

BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF HAWAII

In The Matter of the Application of )  
 )  
HAWAIIAN ELECTRIC COMPANY, INC., ) DOCKET NO. 2015-0389  
HAWAII ELECTRIC LIGHT COMPANY, INC. )  
MAUI ELECTRIC COMPANY, LIMITED )  
 )  
For Approval to Establish a Rule to Implement )  
a Community-Based Renewable Energy Program, )  
and Other Related Matters. )  
\_\_\_\_\_ )

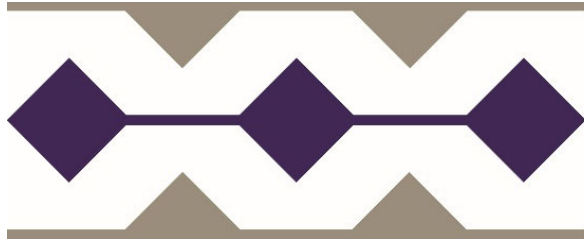
**THE HAWAIIAN ELECTRIC COMPANIES'**  
**COMMUNITY BASED RENEWABLE ENERGY (CBRE) - PHASE 2**  
**DRAFT TARIFF AND APPENDICES, AND RFPS AND**  
**MODEL CONTRACTS FOR LMI CUSTOMERS, MOLOKAI AND LANAI**

**BOOK 3 OF 3**

**Filed July 9, 2020**

## EXHIBIT 10

CBRE Large RDG PPA (Large projects) (PV+storage only)



**Maui  
Electric**

*Draft*  
*CBRE Model*  
*Power Purchase Agreement*  
*For*  
*Renewable Dispatchable Generation*  
*(PV + BESS)*

**July 9, 2020 Version**

This document indicates, for information purposes only, the terms and conditions that may be negotiated in a contract for the sale of renewable dispatchable generation by a CBRE project to be executed by Maui Electric Company, Limited. The terms and conditions that may be offered by Maui Electric Company, Limited in a renewable dispatchable generation power purchase agreement may be modified to reflect factors such as different renewable technologies, project specifics, changes in applicable rules, guidance from the Public Utilities Commission in proceedings concerning the approval or negotiation of such power purchase agreements, results of an interconnection requirements study and other negotiated terms and conditions. This document also assumes that the proposed generation facility will be paired with a battery energy storage system ("BESS"), and therefore, contains terms and conditions with respect to the BESS. If a generation only proposal is selected for the RFP's final award group, the BESS specific provisions will be removed for the power purchase agreement for such project proposal.

[NOTE: TEXT WITHIN THIS DOCUMENT THAT APPEARS IN BOLD AND/OR BRACKETS INDICATES A PROVISION THAT MAY REQUIRE REVISION TO CONFORM TO A SPECIFIC PROJECT.]

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CBRE POWER PURCHASE AGREEMENT FOR RENEWABLE DISPATCHABLE  
GENERATION

THIS CBRE POWER PURCHASE AGREEMENT FOR RENEWABLE DISPATCHABLE GENERATION ("Agreement") is made this \_\_\_\_ day of \_\_\_\_\_, 20\_\_ (the "Execution Date"), by and between Maui Electric Company, Limited, a Hawai'i corporation (hereinafter called the "Company") and \_\_\_\_\_ (hereinafter called the "Subscriber Organization").

WHEREAS, Company is an operating electric public utility on the Island of Maui, subject to the Hawai'i Public Utilities Law (Hawai'i Revised Statutes, Chapter 269) and the rules and regulations of the Hawai'i Public Utilities Commission (hereinafter called the "PUC"); and

WHEREAS, the Company System is operated as an independent power grid and must both maximize system reliability for its customers by ensuring that sufficient generation is available and meet the requirements for voltage stability, frequency stability, and reliability standards; and

WHEREAS, Company desires to minimize fluctuations in its purchased energy costs by acquiring renewable dispatchable generation at a fixed Unit Price; and

WHEREAS, Subscriber Organization is an "approved Subscriber Organization," as defined in the Company's Community-Based Renewable Energy ("CBRE") Program Phase 2 Tariff ("CBRE Tariff"), and desires to construct and operate a renewable energy generation system ("RE System") that is classified as an eligible resource under Hawai'i's Renewable Portfolio Standards Statute (codified as Hawai'i Revised Statutes (HRS) 269-91 through 269-95) and qualifies for the CBRE Program [**together with a safe, reliable and operationally flexible battery energy storage system ("BESS")**] so as to provide the Company System with those benefits and services associated with renewable energy generation [**and energy storage services**], as defined herein; and

WHEREAS, Subscriber Organization understands the need to use all commercially reasonable efforts to maximize the overall reliability of the Company System; and

WHEREAS, Facility will be located at \_\_\_\_\_, Island of Maui, State of Hawai'i and is more fully described in Attachment A (Description of Generation, Conversion and Storage



Facility) and Attachment B (Facility Owned by Subscriber Organization) attached hereto and made a part hereof; and

WHEREAS, Subscriber Organization desires to sell to Company, and Company agrees to purchase upon the terms and conditions set forth herein, (i) the Actual Output produced by the Facility and delivered to the Point of Interconnection; (ii) the availability of the BESS; and (iii) the availability of the Facility's Net Energy Potential for Company Dispatch in accordance with this Agreement.

NOW, THEREFORE, in consideration of the premises and the respective promises herein, Company and Subscriber Organization hereby agree as follows:

#### DEFINITIONS

When the capitalized terms set forth in the Schedule of Defined Terms are used in this Agreement, such terms shall have the meanings set forth in such Schedule.

ARTICLE 1  
PARALLEL OPERATION

Company agrees to allow Subscriber Organization to interconnect and operate the Facility to provide renewable dispatchable generation and energy in parallel with the Company System; provided, however, that such interconnection and operation shall not: (i) adversely affect Company's property or the operations of its customers and customers' property; (ii) present safety hazards to the Company System, Company's property or employees or Company's customers or the customers' property or employees; or (iii) otherwise fail to comply with this Agreement. Such parallel operation shall be contingent upon the satisfactory completion, as determined solely by Company, of the Acceptance Test and, to the extent applicable, the Control System Acceptance Test, in accordance with Good Engineering and Operating Practices.

ARTICLE 2  
PURCHASE AND SALE OF ENERGY AND DISPATCHABILITY;  
RATE FOR PURCHASE AND SALE; BILLING AND PAYMENT

- 2.1 Purchase and Sale of Electric Energy, Dispatchability of Facility and Availability of the BESS. Subject to the other provisions of this Agreement, Company shall, by a Lump Sum Payment, pay for: (i) the Actual Output produced by the Facility and delivered to the Point of Interconnection in response to Company Dispatch of the Facility; (ii) the availability of the Facility's Net Energy Potential for Company Dispatch in accordance with this Agreement; and (iii) the availability of the BESS. Included in such purchase and sale are all of the Environmental Credits associated with the electric energy. Company will not reimburse Subscriber Organization for any taxes or fees imposed on Subscriber Organization including, but not limited to, State of Hawai'i general excise tax.
- 2.2 [Reserved]
- 2.3 Lump Sum Payment. Commencing on the Commercial Operations Date, Company shall make a monthly Lump Sum Payment as provided in Section 2 (Lump Sum Payment for Purchase of Dispatchability) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement. As more fully set forth in Section 3 (Calculation of Lump Sum Payment) of said Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS), the monthly Lump Sum Payment shall be calculated and adjusted to reflect changes in the estimate of the Facility's Net Energy Potential as such estimate is revised from time to time as more fully set forth in Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement. For purposes of calculating the monthly Lump Sum Payment, the monthly Lump Sum Payment shall be adjusted downward to account for the time the PV Systems inverter(s) are not available for Company Dispatch because of a Force Majeure condition (i) at the Facility or (ii) that otherwise delays or prevents the Subscriber Organization from making the inverter(s) in question available for Company Dispatch, as more fully set forth in Section 3.iv of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement.

2.4 Assurance of Capability of Facility to Deliver Net Energy Potential and Availability of BESS.

- (a) Design, Operation and Maintenance to Achieve Required Performance Metrics; Charging of BESS. In order to provide Company with reasonable assurance that, subject to the Renewable Resource Variability, the Facility's Net Energy Potential will be available for Company Dispatch: (i) the PV System Equivalent Availability Factor Performance Metric shall be used to evaluate the availability of the PV System for dispatch by Company; (ii) the Guaranteed Performance Ratio ("GPR") Performance Metric shall be used to evaluate the efficiency of the PV System; (iii) the BESS Capacity Performance Metric shall be used to confirm the capability of the BESS to discharge continuously for four (4) hours at Maximum Rated Output or to discharge continuously for a total energy (MWh) equal to the BESS Contract Capacity if the test is conducted at less than Maximum Rated Output; (iv) the BESS EAF Performance Metric shall be used to determine whether the BESS is meeting its expected availability; (v) the BESS EFOF Performance Metric shall be used to evaluate whether the BESS is experiencing excessive unplanned outages; and (vi) the RTE Performance Metric shall be used to evaluate the storage efficiency of the BESS. Whenever the PV System potential output is in excess of the Company Dispatch, the excess energy from the PV System shall be used to maximize the BESS State of Charge so long as this does not conflict with the operating parameters of the BESS set forth in Section 9(d) (Battery Energy Storage System) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement. Subscriber Organization shall design, operate and maintain the Facility in a manner consistent with the standard of care reasonably expected of an experienced owner/operator with the desire and financial resources necessary to design, operate and maintain the Facility to achieve the Performance Metrics. The foregoing is without limitation to Subscriber Organization's other obligations under this Agreement, including the obligation to operate the Facility in accordance with Good Engineering and Operating Practices. The Performance Metrics set forth in Section 2.5 (PV System Equivalent Availability Factor; Liquidated Damages; Termination Rights) through Section

2.10 (BESS Round Trip Efficiency Test; Liquidated Damages; Termination Rights) of this Agreement shall be interpreted consistent with the North American Electric Reliability Corporation Generating Availability Data System ("NERC GADS") Data Reporting Instructions.

(b) [Reserved]

2.5 PV System Equivalent Availability Factor; Liquidated Damages; Termination Rights.

(a) Calculation of the PV System Equivalent Availability Factor. Following the end of each LD Period, the PV System Equivalent Availability Factor shall be calculated for such LD Period as follows:

$$\begin{array}{l} \text{PV System Equivalent} \\ \text{Availability} \\ \text{Factor} \end{array} = 100\% \times \frac{\text{AH} - \text{EPDH} - \text{EUDH}}{\text{PH}}$$

where:

Period Hours (PH) is the total number of hours in the LD Period counting twenty-four (24) hours per day. In a normal year, PH = 8,760, and in a leap year PH = 8,784.

Available Hours (AH) is the number of hours that the PV System is not on Outage. It is the sum of all Service Hours (SH) + Reserve Shutdown Hours (RSH).

An "Outage" exists whenever the entire PV System is not online producing electric energy and is not in a Reserve Shutdown state, resulting from Subscriber Organization-Attributable Non-Generation.

Service Hours (SH) is the number of hours during the LD Period the PV System is online and producing electric energy to meet Company Dispatch and/or to maintain the BESS State of Charge.

Reserve Shutdown Hours (RSH) is the number of hours the PV System was available to the Company System but not providing electric energy or is offline for reasons other than Subscriber Organization-Attributable Non-Generation, or is offline due to insufficient irradiance levels based on the inverter manufacturer's minimum

irradiance level for production. All hours between 7:00 pm and 6:00 am will be considered RSH. The PV System will be considered RSH in these hours, even if the system would otherwise be in an outage or derated state.

A "Deration" exists if the Facility is available for Company Dispatch, but at less than full potential output for the given irradiance conditions. Derations include only periods of Subscriber Organization-Attributable Non-Generation and derations by Company pursuant to Section 8.3 (Company Rights of Dispatch). Each individual Deration is transformed into equivalent full outage hour(s). For Derations due to inverter outages, this is calculated by multiplying the actual duration of the derating (hours) by the number of inverters in the PV System offline and dividing by the total number of inverters in the PV System. For Derations by Company pursuant to Section 8.3 (Company Rights of Dispatch), this is calculated by the size of the Deration (in MW) divided by the Contract Capacity. For avoidance of doubt, if the Facility is in an Outage it cannot also be in a Deration.

Equivalent Planned Derated Hours (EPDH) includes Planned Derations (PD) and Maintenance Derations (D4). A Planned Deration is when the PV System experiences a Deration scheduled well in advance and for a predetermined duration. A Maintenance Deration is a Deration that can be deferred beyond the end of the next weekend (Sunday at midnight or before Sunday turns into Monday) but requires a reduction in capacity before the next Planned Deration (PD). Each individual Deration is transformed into equivalent full outage hour(s). These equivalent hour(s) are then summed.

Equivalent Unplanned Derated Hours (EUDH): An Unplanned Deration (Forced Deration) occurs when the PV System experiences a Deration that requires a reduction in availability before the end of the nearest following weekend. Unplanned Derations include those due to Subscriber Organization-Attributable Non-Generation. Each individual Unplanned Deration is transformed into equivalent full outage hour(s). These equivalent hour(s) are then summed.

The effect of Force Majeure is taken into account in calculating the PV System Equivalent Availability Factor over the 12 calendar month LD Period as follows: When an LD Period contains any hours in a month during which the PV System or a portion of the PV System is unavailable due to Force Majeure, then such month shall be excluded from the LD Period and the LD Period shall be extended back in time to include the next previous month during which there was no such unavailability of the PV System or a portion thereof due to Force Majeure. This means the PV System Equivalent Availability Factor would not change from that determined in the month directly preceding a month containing Forced Majeure.

EXAMPLE: The following is an example of a PV System Equivalent Availability Factor calculation and is included for illustrative purposes only. Assume the following:

1. PV System has 10 inverters.
2. LD Period = first 12 calendar months of the Agreement (non-leap year).
3. PV System was online and producing electric energy for 4,000 hours and was available but not producing electric energy due to lack of sufficient irradiance for production (i.e., not Subscriber Organization-Attributable Non-Generation) for 500 hours.
4. 3 Inverters were offline for 100 hours due to a Planned Deration between the hours of 6 am and 7 pm.
5. 2 Inverters were offline for 50 hours due to an Unplanned Deration between the hours of 6 am and 7 pm (Subscriber Organization-Attributable Non-Generation).

The PV System Equivalent Availability Factor would be calculated as follows:

$$PH = 8,760 \text{ hours in 12 calendar months} = 8,760 \text{ hours}$$

$$SH = 4,000 \text{ hours}$$

$$RSH = 500 \text{ hours} + (11 \text{ hours/day} \times 365 \text{ days}) = 4,515 \text{ hours}$$

$$AH = SH + RSH = 4,000 \text{ hours} + 4,515 \text{ hours} = 8,515 \text{ hours}$$

$$EPDH = 100 \text{ hours} \times \left( \frac{3 \text{ inverters}}{10 \text{ inverters}} \right) = 30 \text{ hours}$$

$$EUDH = 50 \text{ hours} \times \left( \frac{2 \text{ inverters}}{10 \text{ inverters}} \right) = 10 \text{ hours}$$

$$EAF = 100\% \times \frac{8,515 - 30 - 10}{8,760} = 96.7\%$$

- (b) PV System Equivalent Availability Factor Performance Metric and Liquidated Damages. For each LD Period, a PV System Equivalent Availability Factor shall be calculated as provided in accordance with Section 2.5(a) (Calculation of PV System Equivalent Availability Factor) of this Agreement. In the event the PV System Equivalent Availability Factor is less than 98% (the "PV System Equivalent Availability Factor Performance Metric") for any LD Period, Subscriber Organization shall be subject to liquidated damages as set forth in this Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages). For avoidance of doubt, because the PV System Equivalent Availability Factor is calculated over an LD Period of 12 calendar months, the first month for which liquidated damages would be calculated under this Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages) would be the last calendar month of the initial Contract Year. If the PV System Equivalent Availability Factor for a LD Period is less than the PV System Equivalent Availability Factor Performance Metric, Subscriber Organization shall pay, and Company shall accept, as liquidated damages for Subscriber Organization's failure to achieve the PV System Equivalent Availability Factor Performance Metric for such LD Period, an amount calculated in accordance with the following formula:

<u>PV System Equivalent Availability Factor</u>	<u>Amount of Liquidated Damages Per Calendar Month</u>
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**97.9%** and below For each one-tenth of one percent (0.001) by which the PV System Equivalent Availability Factor for such LD Period falls below the PV System Equivalent Availability Factor Performance Metric, an amount equal to 0.001917 of the Applicable Period Lump Sum Payment for the last calendar month of such LD Period.

For purposes of determining liquidated damages under the preceding formula, the amount by which the PV System Equivalent Availability Factor for the LD Period in question falls below the applicable threshold shall be rounded to the nearest one-tenth of one percent (0.001). Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve the PV System Equivalent Availability Factor Performance Metric for a LD Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

EXAMPLE: The following is an example calculation of liquidated damages for the PV System Equivalent Availability Factor Performance Metric and is included for illustrative purposes only. Assume the monthly Lump Sum Payment is \$1,000,000 and the PV System Equivalent Availability Factor is 96.9% as calculated in the example in Section 2.5(a) (Calculation of the PV System Equivalent Availability Factor) above.

The liquidated damages would be calculated as follows:

Applicable Period Lump Sum Payment = \$1,000,000

$\$1,000,000 \times .001917 = \$1,917$

$98.0\% - 96.9\% = 1.1\%$

$1.1\%/0.1\% = 11$

$\$1,917 \times 11 = \$21,087$

(c) PV System Equivalent Availability Factor Termination Rights. The Parties acknowledge that, although the intent of the liquidated damages payable under Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages) is to compensate Company for the damages that Company would incur if the Subscriber Organization fails to achieve the PV System Equivalent Availability Factor Performance Metric for a LD Period, such liquidated damages are not intended to compensate Company for the damages that Company would incur if a pattern of underperformance establishes a reasonable expectation that the PV System is likely to continue to substantially underperform the PV System Equivalent Availability Factor Performance Metric. Accordingly, and without limitation to Company's rights under said Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages) for those LD Periods during which the Subscriber Organization failed to achieve the PV System Equivalent Availability Factor Performance Metric, the failure of the Facility to achieve a PV System Equivalent Availability Factor of not less than **84%** for each of three consecutive Contract Years shall constitute an Event of Default under Section 15.1(b) of this Agreement for which Company shall have the rights (including but not limited to the termination rights) set forth in Article 15 (Events of Default) and Article 16 (Damages in the Event of Termination by Company).

2.6 Measured Performance Ratio; Liquidated Damages; Termination Rights.

(a) Calculation of Measured Performance Ratio.

(i) The Measured Performance Ratio ("MPR") represents the PV System's measured AC power output compared to its theoretical DC power output as adjusted for the plane of array irradiance conditions measured at the Site [**Drafting Note: May require revision for DC output**]. The gross PV System output in MW and MVAR will be measured at such point mutually agreed to by the Parties on the Facility's single-line diagram attached hereto as Attachment E (Single-Line Drawing and Interface Block Diagram).

(ii) Following the end of each MPR Assessment Period, the MPR shall be calculated for such MPR Assessment Period (using the previous 12 months of data) as follows:

$$MPR_{corr} = \frac{\sum_i P_{AC\_i}}{\sum_i \left[ P_{DCSTC} \left( \frac{G_{POA_i}}{G_{STC}} \right) \left( 1 - \frac{\delta}{100} (T_{cell\_type\_avg} - T_{cell\_i}) \right) \right]}$$

Where:

$i$  = each 15-minute interval during the MPR Assessment Period where the inverter input voltage exceeds the PV System inverters minimum level for production

$P_{AC_i}$  is the measured AC power output of the PV System measured at the inverters averaged over time period  $i$  in MW

$G_{STC}$  = plane of array irradiance at the standard condition of 1,000  $W/m^2$

$P_{DCSTC}$  is the DC rated capacity of the PV System at the standard test conditions of 1,000  $W/m^2$  and 25°C (MW), (i.e., the DC power rating of the PV panels at standard test conditions multiplied by the number of PV panels in the Facility);

$G_{POA}$  is the measured plane of array irradiance averaged over time period  $i$  ( $W/m^2$ );

$T_{cell\_i}$  = cell temperature computed from measured meteorological data (°C) averaged over time period  $i$ .

$T_{cell\_type\_avg}$  = average cell temperature computed from one year of weather data using the project weather file (°C)

$\delta$  = temperature coefficient for power (%/°C, negative in sign) that corresponds to the installed modules

$$T_{cell\_i} = G_{POA} * e^{(a+b*WS)} + T_a$$

Where:

$G_{POA}$  = POA irradiance from calibrated reference cells [W/m2]

$T_a$  = ambient temperature [ $^{\circ}\text{C}$ ]

$WS$  = the measured wind speed corrected to a measurement height of 10 meters [m/s]

$a$  = empirical constant reflecting the increase of module temperature with sunlight

$b$  = empirical constant reflecting the effect of wind speed on the module temperature [s/m]

$e$  = Euler's constant and the base for the natural logarithm.

<b>Table 2. Empirical Convective Heat Transfer Coefficients Module Type</b>	<b>Mount</b>	<b>a</b>	<b>b</b>
Glass/cell/glass	Open rack	-3.47	-0.0594
Glass/cell/glass	Close-roof mount	-2.98	-0.0471
Glass/cell/polymer sheet	Open rack	-3.56	-0.0750
Glass/cell/polymer sheet	Insulated back	-2.81	-0.0455
Polymer/thin-film/steel	Open rack	-3.58	-0.1130

(iii) The time periods used in the foregoing calculation shall be only periods during which, for the entire 15-minute interval, the PV System output is allowed to convert all irradiance to gross AC power and is not offline due to insufficient irradiance levels based on the inverter minimum requirements for production. Data points that will be excluded are limited to data points where: (A) the  $G_{POA}$  is below minimum threshold, (B)  $G_{POA}$  above the maximum threshold (C) the PV System is in RSH, (D) when there is a EUDH or EPDH, (E) the PV System was not allowed to convert the full DC output to AC energy; or (F) when there is any other Outage. The aforementioned 15-minute intervals are fixed intervals that commence, in sequence, at the top of each hour and at 15, 30 and 45 minutes past the hour. At the end of each month, Subscriber Organization shall provide Company a report that

lists all hours when such excluded data points occur (from the Facility's SCADA system as necessary) to validate the exclusion of any data points from the calculation set forth in Section 2(a)(ii) above. This information shall be validated on a monthly basis.

- (iv) MPR Test. In the event that the set of operational data points under Section 2.6(a)(iii) that is available for any month to calculate the MPR cannot be validated to Company's reasonable satisfaction or in the event there were not at least 16 such data points during such month that could be used to calculate the MPR, the Company shall have the right to perform a test ("MPR Test") to collect the data points for such month to be used to calculate the MPR in lieu of the use of operational data for such month. The Company shall retain sole discretion as to when to conduct the MPR Test and the MPR Test may be conducted at any point during the month following the month for which Company was either unable to validate the set of operational data points for such month or there were not at least 16 data points available during such month, provided that Company will provide Subscriber Organization three (3) Business Days' notice prior to conducting the MPR Test. The MPR Test shall have a minimum duration of four (4) hours and shall run until at least 16 data points are collected that meet the criteria set forth in Section 2(a)(iii), subject to the limitation set forth in the last sentence of this Section 2.6(a)(iv). To the extent possible, the Company shall schedule the MPR Test for a period where all inverters in the PV System are available and weather conditions are expected to be optimum allowing the PV System to generate at full capacity for the duration of the MPR Test (if possible). However, if Company chooses a period where inverter(s) are unavailable,  $P_{DCSTC}$  shall be adjusted to remove the expected contribution of the unavailable inverter(s).
- (v) For each MPR Assessment Period that includes one or more months for which a MPR Test was performed, the data points collected during said MPR Test for such month(s) shall be used together with the data points

for months for which an MPR Test was not conducted to calculate the MPR for the MPR Assessment Period in question using the formula set forth in Section 2(a)(ii) above. The result of the calculation based on the MPR Test shall be the MPR for the MPR Assessment Period in question.

(vi) EXAMPLE: The following is an example of a Measured Performance Ratio calculation and is included for illustrative purposes only. Assume the following:

1. Facility with 120,000 panels with a standard test condition rating of 300 W
2.  $P_{DCSTC} = 120,000 \times 300 \text{ W} = 36 \text{ MW}$
3. For illustrative purposes only, 4 hours of data which met the criteria specified in 2.6(a)(iii) have been recorded over the MPR Assessment Period. It should be noted that all available operational data that meets the criteria specified in Section 2.6(a)(iii) shall be included in the actual calculation.:

Time Period	Average Measured Plane of Array Irradiance (W/m <sup>2</sup> )	Average Measured Gross AC Power at Inverters (MW)	Average Measured Ambient Temperature (°C)	Average Measured Wind Speed (m/s)
1	690	16	27	3
2	350	11	26	8
...	...	...	...	...
i	750	19	29	7

$$MPR_{corr} = \frac{\sum_i P_{AC,i}}{\sum_i \left[ P_{DCSTC} \left( \frac{G_{POA_i}}{G_{STC}} \right) \left( 1 - \frac{\delta}{100} (T_{cell\_type\_avg} - T_{cell\_i}) \right) \right]}$$

where:

$$T_{cell\_i} = G_{POA} \times e^{(a+b \times WS)} + T_a$$

Assuming:

A temperature coefficient of the installed modules of  $-0.4\%/^{\circ}\text{C}$

An average cell temperature of  $28^{\circ}\text{C}$

The installed modules are a glass/cell/polymer sheet module type using an open rack mount. ( $a = -3.56$ ;  $b = -0.0750$ )

$$\sum_i P_{AC,i} = 16 \text{ MW} + 11 \text{ MW} + \dots + 19 \text{ MW} = \mathbf{305\text{MW}}$$

$$\begin{aligned} \sum_i \left[ P_{DCSTC} \left( \frac{G_{POA_i}}{G_{STC}} \right) \left( 1 - \frac{\delta}{100} (T_{cell,type,avg} - T_{cell,i}) \right) \right] &= 36 \text{ MW} \times \\ & [ (690/1000) \times (1 - (0.4/100) \times (28 - \\ & ((690/1000) \times e^{(-3.56 - 0.075 \times 3) + 27})) + \\ & (350/1000) \times (1 - (0.4/100) \times (28 - \\ & ((350/1000) \times e^{(-3.56 - 0.075 \times 8) + 26})) + \\ & \dots + \\ & (750/1000) \times (1 - (0.4/100) \times (28 - \\ & ((750/1000) \times e^{(-3.56 - 0.075 \times 7) + 29})) ) ] \\ &= \mathbf{374.76 \text{ MW}} \end{aligned}$$

$$\text{MPR} = 305 \text{ MW} / 374.76 \text{ MW} = \mathbf{0.814}$$

(b) Determination of GPR Performance Metric.

- (i) Upon Commencement of Commercial Operations. If a copy of the IE Energy Assessment Report together with the supporting data (plane of array irradiance and corresponding power output) is not provided to Company in accordance with Section 1(c) (NEP IE Estimate and Company-Designated NEP Estimate) of Attachment U (Calculation and Adjustment of Net Energy Potential), the GPR Performance Metric for the period commencing on the Commercial Operations Date through the end of the calendar month during which the Initial OEPR is issued shall be **0.85**. If a copy of the IE Energy Assessment Report together with the supporting data (plane of array irradiance and corresponding power output) is provided to Company in accordance with Section 1(c) (NEP IE Estimate and Company-Designated NEP Estimate) of Attachment U (Calculation and Adjustment of Net Energy Potential), the GPR Performance Metric shall be the GPR set forth in the IE Energy Assessment Report, provided that such GPR is justified by such supporting data and consistent with the manufacturer's minimum irradiance level for

production and point of power measurement specified in Section 2.6(a)(ii). In the event that the IE Assessment Report includes the supporting data (plane of array irradiance and corresponding power output) relied upon in arriving at the NEP IE Estimate, but does not set forth a GPR, the GPR Performance Metric shall be calculated using such supporting data and the Measured Performance Ratio formula in Section 2.6(a)(ii) of this Agreement. Within 30 Days of Company's receipt of the IE Energy Assessment Report together with the aforementioned supporting data, Company shall provide written notice to Subscriber Organization of either (aa) the GPR Performance Metric derived from such supporting data or (bb) Company's inability to reasonably derive a GPR Performance Metric from such supporting data, in which case the GPR Performance Metric shall be **0.85**.

(ii) Commencing With Initial OEPR. For the period commencing with the first Day of the calendar month following the establishment of the NEP OEPR Estimate for the Initial OEPR (as provided in Section 2 (Initial OEPR) and Sections 4(g) (Review of the First OEPR Evaluator Report) and (h) (Review of the Second OEPR Evaluator Report) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement) through the end of the calendar month during which the NEP OEPR Estimate for the first Subsequent OEPR is established as provided in Section 3 (Subsequent OEPRs) and Sections 4(g) (Review of the First OEPR Evaluator Report) and (h) (Review of the Second OEPR Evaluator Report) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement, the GPR Performance Metric shall be the GPR as established through the Initial OEPR process as aforementioned. If no GPR has been established through the Initial OEPR process, the GPR Performance Metric shall be **0.85**.

(iii) Commencing With the First Subsequent OEPR and Thereafter. Commencing with the establishment of the NEP OEPR Estimate for the first Subsequent OEPR as provided in Section 3 (Subsequent OEPRs) and Sections 4(g) (Review of the First OEPR Evaluator



Report) and (h) (Review of the Second OEPR Evaluator Report) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement, for each period commencing with the first Day of the calendar month following the establishment of the NEP OEPR Estimate for a Subsequent OEPR (including but not limited to the first Subsequent OEPR) through the end of the calendar month during which the NEP OEPR Estimate is established for the next Subsequent OEPR, the GPR Performance Metric shall be the GPR established for the applicable Subsequent OEPR. If no GPR has been established through the then applicable Subsequent OEPR process, the GPR Performance Metric shall be **0.85**.

- (c) GPR Performance Metric and Liquidated Damages. For each MPR Assessment Period, a Measured Performance Ratio shall be calculated as provided in Section 2.6(a) (Calculation of Measured Performance Ratio) of this Agreement. In the event the MPR is less than **95%** of the GPR Performance Metric as adjusted by the degradation factor set forth below, Subscriber Organization shall pay, and Company shall accept, as liquidated damages for Subscriber Organization's failure to achieve the GPR Performance Metric for such MPR Assessment Period, an amount calculated in accordance with the following formula:

<u>Tier</u>	<u>Measured Performance Ratio</u>	<u>Amount of Liquidated Damages Per MPR Assessment Period</u>
<b>Tier 1</b>	<b>GPR Performance Metric x DF x 0.95 &gt; Measured Performance Ratio ≥ GPR Performance Metric x DF x 0.90</b>	For each one-tenth of one percent (0.001) by which the Measured Performance Ratio for such MPR Assessment Period falls below the upper limit of the bandwidth specified in this subparagraph, an amount equal to one-tenth of one percent (0.001) of the MPR Assessment Period Lump Sum Payment. The upper end of the

aforementioned bandwidth is equal to the product of the GPR Performance Metric, the applicable degradation factor (DF), and 95%. The lower limit of the aforementioned bandwidth consists of and includes the product of the GPR Performance Metric, the applicable degradation factor (DF), and 90%; plus

**Tier**  
**2**

**GPR Performance Metric x DF x 0.90 > Measured Performance Ratio ≥ GPR Performance Metric x DF x 0.80**

For each one-tenth of one percent (0.001) by which the Measured Performance Ratio for such MPR Assessment Period falls below the upper limit of the bandwidth specified in this subparagraph, an amount equal to two-tenths of one percent (0.002) of the MPR Assessment Period Lump Sum Payment. The upper end of the aforementioned bandwidth is equal to the product of the GPR Performance Metric, the applicable degradation factor (DF), and 90%. The lower limit of the aforementioned bandwidth consists of and includes the product of the GPR Performance Metric, the applicable degradation factor (DF), and 80%; plus

**Measured Performance Ratio < GPR Performance Metric x DF x 0.80**

For each one-tenth of one percent (0.001) by which the Measured Performance Ratio for such MPR Assessment Period falls below the product of the GPR Performance Metric, the

applicable degradation factor (DF), and 80%, an amount equal to four-tenths of one percent (0.004) of the MPR Assessment Period Lump Sum Payment.

For purposes of the foregoing calculations under this Section 2.6(c) (GPR Performance Metric and Liquidated Damages), the degradation factor (DF) is calculated for each Contract Year (e.g., second Contract Year, third Contract Year, fourth Contract Year, etc.) as follows:  $DF = 1 - 0.005 * (\text{Applicable Contract Year} - 1)$ . For purposes of the foregoing formula, the "Applicable Contract Year" is the Contract Year within which the calendar month in question falls. If all of the months of an MPR Assessment Period fall within the same Contract Year, the Contract Year is the "Applicable Contract Year." For example, if all of the months of MPR Assessment Period fall within the third Contract Year, the value assigned to the "Applicable Contract Year" would be "3" and the formula for calculating the DF for such LD Period would be:  $DF = 1 - 0.005 * (3 - 1)$ . However, because the MPR Assessment Period is a rolling 12-month period, the MPR Assessment Period will often straddle two consecutive Contract Years. In such cases, all of the months falling within the same Contract Year will be assigned the value for such Contract Year and the value assigned to the "Applicable Contract Year" for purposes of the foregoing formula shall be the average of the assigned monthly values for such 12-month MPR Assessment Period. For example, for an MPR Assessment Period which has four months in the third Contract Year and eight months in the fourth Contract Year, the value assigned to the "Applicable Contract Year" for such MPR Assessment Period would be 3.67, as calculated as follows:

$$\frac{(3 \times 4) + (4 \times 8)}{12}$$

and the formula for calculating the DF for such MPR Assessment Period would be  $DF = 1 - 0.005 * (3.67 - 1)$ . For purposes of determining liquidated damages under this Section 2.6(c) (GPR Performance Metric and Liquidated Damages), the amount by which the Measured Performance

Ratio for the MPR Assessment Period in question falls below the applicable threshold shall be rounded to the nearest one-tenth of one percent (0.001). Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve the GPR Performance Metric for a MPR Assessment Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

EXAMPLE: The following is an example calculation of liquidated damages for the GPR Performance Metric and is included for illustrative purposes only. Assume the following facts:

The MPR Assessment Period has five months in the second Contract Year and seven months in the third Contract Year.

The GPR for the Facility as determined by the OEPR is 0.9.

The MPR has been calculated to be 0.694.

Applicable Contract Year =  $[(5 \times 2) + (7 \times 3)]/12 = 2.58$

DF =  $1 - 0.005 * (2.58 - 1) = 0.9921$

Upper limit of the Tier 1 bandwidth =  $0.9 \times 0.9921 \times 0.95 = 0.848$

Lower limit of the Tier 1 bandwidth/Upper limit of the Tier 2 bandwidth =  $0.9 \times 0.9921 \times 0.9 = 0.804$

Lower limit of the Tier 2 bandwidth =  $0.8 \times 0.9921 \times 0.9 = 0.714$

LD =  $[(0.848 - 0.804) \times 1) + ((0.804 - 0.714) \times 2) + ((0.714 - 0.694) \times 4)] \times \text{MPR Assessment Period Lump Sum Payment}$   
=  $0.304 \times \text{MPR Assessment Period Lump Sum Payment}$

- (d) MPR Termination Rights. The Parties acknowledge that, although the intent of the liquidated damages payable under Section 2.6(c) (GPR Performance Metric and

Liquidated Damages) is to compensate Company for the damages that Company would incur if the Subscriber Organization fails to achieve the GPR Performance Metric for a MPR Assessment Period, such liquidated damages are not intended to compensate Company for the damages that Company would incur if a pattern of underperformance establishes a reasonable expectation that the Facility is likely to continue to substantially underperform the GPR Performance Metric. Accordingly, and without limitation to Company's rights under said Section 2.6(c) (GPR Performance Metric and Liquidated Damages) for those MPR Assessment Periods during which the Subscriber Organization failed to achieve the GPR Performance Metric, the failure of the PV System to achieve, for each of three consecutive Contract Years, a Measured Performance Ratio of not less than the Tier 2 Bandwidth for such Contract Year shall constitute an Event of Default under Section 15.1(c) of this Agreement for which Company shall have the rights (including but not limited to the termination rights) set forth in Article 15 (Events of Default) and Article 16 (Damages in the Event of Termination by Company).

2.7 BESS Capacity Test; Liquidated Damages; Termination Rights.

- (a) BESS Capacity Test and Liquidated Damages. For each BESS Measurement Period following the Commercial Operations Date, the BESS shall be required to complete a BESS Capacity Test, as more fully set forth in Attachment W (BESS Tests) to this Agreement. For each BESS Measurement Period for which the BESS fails to demonstrate that it satisfies the BESS Capacity Performance Metric, Subscriber Organization shall pay, and Company shall accept, as liquidated damages for such shortfall, the amount set forth in the following table (on a progressive basis) upon proper demand at the end the BESS Measurement Period in question:

<b>BESS Capacity Ratio</b>	<b>Liquidated Damage Amount</b>
Tier 1 95.0% - 99.9%	For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is below 100% and is equal to or greater than 95.0%, an

	amount equal to one-tenth of one percent (0.001) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus
Tier 2 85.0% - 94.9%	For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is below 95% and is above 84.9%, an amount equal to one and a half-tenths of one percent (0.0015) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus
Tier 3 75.0% - 84.9%	For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is below 85% and is above 74.9%, an amount equal to two-tenths of one percent (0.002) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus
Tier 4 60.0% - 74.9%	For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is below 75% and is above 59.9%, an amount equal to two and a half-tenths of one percent (0.0025) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus
Tier 5 50.0% - 59.9%	For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is

	below 60% and is above 49.9%, an amount equal to three-tenths of one percent (0.003) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus
Tier 6 49.9% and below ("Lowest BESS Capacity Bandwidth")	For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is below 50%, an amount equal to three and a half-tenths of one percent (0.0035) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question.

For purposes of determining liquidated damages under this Section 2.7(a) (BESS Capacity Test and Liquidated Damages), the starting and end points for the duration of the period that the BESS discharges shall be rounded to the nearest MWh. Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve the BESS Capacity Performance Metric for a BESS Measurement Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

EXAMPLE: The following is an example calculation of liquidated damages for the BESS Capacity Performance Metric and is included for illustrative purposes only. Assume the following:

The Maximum Rated Output for the BESS is 25 MW.

A BESS Capacity Test was conducted and the BESS was measured to have discharged 65 MWh

BESS Contract Capacity = 25 MW x 4 hours = 100 MWh  
 BESS Capacity Ratio = MWh Discharged/BESS Contract Capacity = 65 MWh/100 MWh = 0.65

$LD = [(1 - 0.950) \times 1] + [(0.950 - 0.850) \times 1.5] + [(0.850 - 0.750) \times 2] + [(0.750 - 0.65) \times 2.5] \times \text{BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question}$   
= 0.65 x BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question

- (b) BESS Capacity Test Termination Rights. The Parties acknowledge that, although the intent of the liquidated damages payable under Section 2.7(a) (BESS Capacity Test and Liquidated Damages) is to compensate Company for the damages that Company would incur if the BESS fails to demonstrate satisfaction of the BESS Capacity Performance Metric during a BESS Measurement Period, such liquidated damages are not intended to compensate Company for the damages that Company would incur if a pattern of underperformance establishes a reasonable expectation that the BESS is likely to continue to substantially underperform the Company's expectations. Accordingly, and without limitation to Company's rights under said Section 2.7(a) (BESS Capacity Test and Liquidated Damages) for those BESS Measurement Periods during which the BESS fails to demonstrate satisfaction of the BESS Capacity Performance Metric, substantial underperformance shall give rise to a termination right as set forth in this Section 2.7(b) (BESS Capacity Test Termination Rights). If the BESS is in the Lowest BESS Capacity Bandwidth for any two BESS Measurement Periods during a 12-month period, an 18-month cure period (the "BESS Capacity Cure Period") will commence on the Day following the close of the second such BESS Measurement Period. For each BESS Measurement Period during such BESS Capacity Cure Period, BESS Capacity Tests shall continue to be conducted as set forth in Attachment W (BESS Tests) and liquidated damages paid and accepted as set forth in Section 2.7(a) (BESS Capacity Test and Liquidated Damages); provided, however, that if the Subscriber Organization fails to demonstrate satisfaction of the BESS Capacity Performance Metric prior to the expiration of the BESS Capacity Cure Period, such failure shall constitute an Event of Default under Section 15.1(d) of this Agreement for which Company shall have the rights (including but not limited to the termination rights) set forth in Article



15 (Events of Default) and Article 16 (Damages in the Event of Termination by Company).

2.8 BESS Annual Equivalent Availability Factor; Liquidated Damages; Termination Rights.

(a) BESS Annual Equivalent Availability Factor and Liquidated Damages. For each BESS Measurement Period following the Commercial Operations Date, a BESS Annual Equivalent Availability Factor shall be calculated as set forth in Attachment X (BESS Annual Equivalent Availability Factor). If the BESS Annual Equivalent Availability Factor for such BESS Measurement Period is less than **97%** (the "BESS EAF Performance Metric"), Subscriber Organization shall pay, and Company shall accept, as liquidated damages for such shortfall, the amount set forth in the following table (on a progressive basis) upon proper demand at the end the current BESS Measurement Period:

<b>BESS Annual Equivalent Availability Factor</b>	<b>Liquidated Damage Amount</b>
<p style="text-align: center;">Tier 1</p> <p style="text-align: center;">85.0% - 96.9%</p>	<p>For each one-tenth of one percent (0.001) by which the BESS Annual Equivalent Availability Factor falls below 97% but equal to or above 85%, an amount equal to one-tenth of one percent (0.001) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus</p>
<p style="text-align: center;">Tier 2</p> <p style="text-align: center;">80.0% - 84.9%</p>	<p>For each one-tenth of one percent (0.001) by which the BESS Annual Equivalent Availability Factor falls below 85% but equal to or above 80%, an amount equal to two-tenths of one percent (0.002) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in</p>

	question; plus
Tier 3 75.0% - 79.9%	For each one-tenth of one percent (0.001) by which the BESS Annual Equivalent Availability Factor falls below 80% but equal to or above 75%, an amount equal to three-tenths of one percent (0.003) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus
Tier 4 Below 75.0%	For each one-tenth of one percent (0.001) by which the BESS Annual Equivalent Availability Factor falls below 75%, an amount equal to four-tenths of one percent (0.004) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question.

Such liquidated damages shall be due within thirty (30) Days after the first to occur of the end of such BESS Measurement Period or the end of Term. In the event Subscriber Organization fails to pay Company amounts of liquidated damages due under this Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages) within thirty (30) Days of receipt of Company's written demand, Company may, without limitation to any other remedy Company may have, set-off such amounts due against payments it is otherwise obligated to make under this Agreement.

For purposes of determining liquidated damages under this Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages), the BESS Annual Equivalent Availability Factor for the BESS Measurement Period in question shall be rounded to the nearest one-tenth of one percent (0.001). Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve

the BESS EAF Performance Metric for a BESS Measurement Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

- (b) BESS Annual Equivalent Availability Factor Termination Rights. The Parties acknowledge that, although the intent of the liquidated damages payable under Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages) is to compensate Company for the damages that Company would incur if the Subscriber Organization fails to achieve the BESS EAF Performance Metric for a BESS Measurement Period, such liquidated damages are not intended to compensate Company for the damages that Company would incur if a pattern of underperformance establishes a reasonable expectation that the BESS is likely to continue to substantially underperform the BESS EAF Performance Metric. Accordingly, and without limitation to Company's rights under said Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages) for those BESS Measurement Periods during which the Subscriber Organization failed to achieve the BESS EAF Performance Metric, the failure of the Subscriber Organization to achieve, for each of four consecutive BESS Measurement Periods, a BESS Annual Equivalent Availability Factor of not less than **75%** shall constitute an Event of Default under Section 15.1(e) of this Agreement for which Company shall have the rights (including but not limited to the termination rights) set forth in Article 15 (Events of Default) and Article 16 (Damages in the Event of Termination by Company); provided, however, that if a BESS Measurement Period for which the aforementioned 75% threshold is not achieved falls within a BESS Capacity Cure Period, such BESS Measurement Period shall be excluded from the calculation of the aforementioned "four consecutive BESS Measurement Periods" if the failure to achieve the aforementioned 75% threshold was the result of unavailability caused by the process of carrying out the repairs to or replacements of the BESS necessary to remedy the failure of the BESS to achieve the BESS Capacity Performance Metric.

2.9 BESS Annual Equivalent Forced Outage Factor; Liquidated Damages.

For each BESS Measurement Period following the Commercial Operations Date, the BESS shall maintain a BESS Annual Equivalent Forced Outage Factor of not more than 4% (the "BESS EFOF Performance Metric") as calculated as set forth in Attachment Y (BESS Annual Equivalent Forced Outage Factor). If the BESS Annual Equivalent Forced Outage Factor for such BESS Measurement Period exceeds the BESS EFOF Performance Metric, Subscriber Organization shall pay, and Company shall accept, as liquidated damages for exceeding the BESS EFOF Performance Metric, the amount set forth in the following table (on a progressive basis) upon proper demand by the Company at the end of the BESS Measurement Period in question:

<b>BESS Annual Equivalent Forced Outage Factor</b>	<b>Liquidated Damage Amount</b>
0.0% - 4.0%	-0-
4.1% - 6.9%	For each one-tenth of one percent (0.001) that the BESS Annual Equivalent Forced Outage Factor is above 4.0% but less than 7.0%, an amount equal to two-tenths of one percent (0.002) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus
7.0% and above	For each one-tenth of one percent (0.001) that the BESS Annual Equivalent Forced Outage Factor is above 6.9%, an amount equal to four-tenths of one percent (0.004) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question

Such liquidated damages shall be due within thirty (30) Days after the first to occur of the end of such BESS Measurement

Period or the end of Term. In the event Subscriber Organization fails to pay Company amounts of liquidated damages due under this Section 2.9 (BESS Annual Equivalent Forced Outage Factor; Liquidated Damages) within thirty (30) Days of receipt of Company's written demand, Company may set-off such amounts due against payments it is otherwise obligated to make under this Agreement.

For purposes of determining liquidated damages under this Section 2.9 (BESS Annual Equivalent Forced Outage Factor; Liquidated Damages), the BESS Annual Equivalent Forced Outage Factor for the BESS Measurement Period in question shall be rounded to the nearest one-tenth of one percent (0.001). Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve the BESS EFOF Performance Metric for a BESS Measurement Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

For example, if the BESS Equivalent Annual Forced Outage Factor was 4.1% as calculated in the example in Attachment Y (BESS Annual Equivalent Forced Outage Factor) attached hereto and the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question is \$1,000,000, the liquidated damages would be \$2,000, calculated as follows:

$$\begin{aligned} 4.1\% - 4.0\% &= 0.1\% \\ 0.1\%/0.1 &= 1 \\ \$1,000,000 \times .002 &= \$2,000 \\ \$2,000 \times 1 &= \$2,000 \end{aligned}$$

2.10 BESS Round Trip Efficiency Test; Liquidated Damages; Termination Rights.

- (a) RTE Test and Liquidated Damages. For each BESS Measurement Period following the Commercial Operations Date, the BESS shall be required to complete a RTE Test or otherwise demonstrate satisfaction of the RTE Performance Metric, as more fully set forth in Attachment W (BESS Tests) to this Agreement. For each BESS Measurement Period for which the BESS fails to demonstrate that it satisfies the RTE Performance Metric, Subscriber Organization shall pay, and Company shall accept, as liquidated damages for such shortfall, in the amount to be calculated as provided in this

Section 2.10(a) (RTE Test and Liquidated Damages), upon proper demand at the end the BESS Measurement Period in question.

The RTE Performance Metric is [REDACTED] % as measured at the Point of Interconnection. **[DRAFTING NOTE: PERCENTAGE TO BE TAKEN FROM RESPONSE TO RFP.]**

The liquidated damages threshold ("LDT") is equal to the RTE Performance Metric minus 2 percentage points.

The Selected RTE Test is the RTE Test that came closest to satisfying the RTE Performance Metric during the BESS Measurement Period in question.

Subscriber Organization shall be liable for liquidated damages if:

$$(PM - RTE Ratio) * 100 > 2\%$$

Where:

PM = RTE Performance Metric stated as percentage

RTE Ratio = RTE Ratio from Selected RTE Test stated as percentage

For each percentage point by which the RTE Ratio is below the LDT, Subscriber Organization shall pay, and Company shall accept, liquidated damages in an amount equal to two-tenths of one percent (0.002) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question.

Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve the RTE Performance Metric for a BESS Measurement Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

- (b) RTE Test Termination Rights. The Parties acknowledge that, although the intent of the liquidated damages payable under Section 2.10(a) (RTE Test and Liquidated Damages) is to compensate Company for the damages that Company would incur if the BESS fails to demonstrate

satisfaction of the RTE Performance Metric during a BESS Measurement Period, such liquidated damages are not intended to compensate Company for the damages that Company would incur if a pattern of underperformance establishes a reasonable expectation that the BESS is likely to continue to substantially underperform the Company's expectations. Accordingly, and without limitation to Company's rights under said Section 2.10(a) (RTE Test and Liquidated Damages) for those BESS Measurement Periods during which the BESS fails to demonstrate satisfaction of the RTE Performance Metric, substantial underperformance shall give rise to a termination right as set forth in this Section 2.10(b) (RTE Test Termination Rights). If the RTE Ratio for the Selected RTE Test for the BESS Measurement Period in question is more than 15 percentage points below the RTE Performance Metric for any two BESS Measurement Periods during a 12-month period, an **18-month** cure period (the "RTE Cure Period") will commence on the Day following the close of the second such BESS Measurement Period. For each BESS Measurement Period during such RTE Cure Period, RTE Tests shall continue to be conducted as set forth in Attachment W (BESS Tests) and liquidated damages paid and accepted as set forth in Section 2.10(a) (RTE Test and Liquidated Damages); provided, however, that if the Subscriber Organization fails to demonstrate satisfaction of the RTE Performance Metric prior to the expiration of the RTE Cure Period, such failure shall constitute an Event of Default under Section 15.1(f) of this Agreement for which Company shall have the rights (including but not limited to the termination rights) set forth in Article 15 (Events of Default) and Article 16 (Damages in the Event of Termination by Company).

2.11 Payment of Liquidated Damages for Failure to Achieve Performance Metrics; Limitation on Liquidated Damage.

- (a) Payment of Performance Metrics LDs by Subscriber Organization. With respect to the liquidated damages payable under Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages), Section 2.6(c) (GPR Performance Metric and Liquidated Damages), Section 2.7(a) (BESS Capacity Test and Liquidated Damages), Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages),

Section 2.9 (BESS Annual Equivalent Forced Outage Factor; Liquidated Damages) and Section 2.10 (BESS Round Trip Efficiency Test; Liquidated Damages; Termination Rights) (collectively, the "Performance Metrics LDs"), Company shall have the right, at any time on or after the LD Assessment Date for the liquidated damages in question, at Company's option, to set-off such liquidated damages from the amounts to be paid to Subscriber Organization for the Unsubscribed RDG or, to draw such liquidated damages from the Operating Period Security, as follows:

- (i) if the BESS fails to achieve the BESS Capacity Performance Metric for a BESS Measurement Period, the Company shall have the right to set-off or draw the amount owed for such failure as calculated as provided in Section 2.7(a) (BESS Capacity Test and Liquidated Damages); and
- (ii) if the Monthly Report for the calendar month, MPR Assessment Period, or BESS Measurement Period in question, as applicable, shows a failure to achieve one or more of the Performance Metrics required for the LD Period in question, the MPR Measurement Period in question, or the BESS Measurement Period in question, as applicable, and Company does not submit a Notice of Disagreement with respect to such Monthly Report, the Company shall have the right to set-off or draw the amount of liquidated damages owed for such failure as calculated as provided in Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages), Section 2.6(c) (GPR Performance Metric and Liquidated Damages), Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages), Section 2.9 (BESS Annual Equivalent Forced Outage Factor; Liquidated Damages) and Section 2.10 (BESS Round Trip Efficiency Test; Liquidated Damages; Termination Rights), as applicable;
- (iii) in all cases in which Company submits a Notice of Disagreement for a given Monthly Report, Company shall have the right to set-off or draw all or any portion of the amount of liquidated damages for the calendar month in question, MPR Assessment Period



in question, or BESS Measurement Period in question, as applicable, as calculated on the basis of the shortfall(s) in the achievement of the Performance Metric(s) in question, as shown in such Notice of Disagreement; and

(iv) in the event of any disagreement as to the liquidated damages owed under clause (i) and (iii) above:

(aa) if the amount set-off or drawn by the Company exceeds the amount of liquidated damages for such calendar month, BESS Measurement Period or MPR Assessment Period that are eventually found to be payable for the LD Period in question as determined under Section 2 (Monthly Report Disagreements) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement, Company shall promptly (and in no event more than forty-five (45) Business Days from the date of such determination) repay such excess to Subscriber Organization together with, unless the Parties otherwise agree in writing, interest from the date of Company's set-off or draw until the date that such excess is repaid to Subscriber Organization at the average Prime Rate for such period; and

(bb) if Company does not exercise its rights to set-off or draw liquidated damages for such calendar month, BESS Measurement Period or MPR Assessment Period, or does not set-off or draw the full amount of the liquidated damages for such calendar month, BESS Measurement Period or MPR Assessment Period that are eventually found to be payable for the LD Period, BESS Measurement Period or MPR Assessment Period in question as determined under Section 2 (Monthly Report Disagreements) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement, Subscriber Organization shall promptly, upon such determination as aforesaid, pay to Company the amount of liquidated damages that are found to be owing together with, unless

otherwise agreed by the Parties in writing, interest on the amount of such liquidated damages that went unpaid from the applicable LD Assessment Date for such liquidated damages until the date such liquidated damages are paid to Company in full at the average Prime Rate for such period, and Company shall have the right, at its option, to set-off such interest from the amounts to be paid to Subscriber Organization for the Unsubscribed RDG or to draw from the Operating Period Security.

Any delay by Company in exercising its rights to set-off liquidated damages and/or interest from the amounts to be paid to Subscriber Organization for the Unsubscribed RDG or to draw such liquidated damages and/or interest from the Operating Period Security shall not constitute a waiver by Company of its right to do so.

- (b) Limitation on Liquidated Damages. Notwithstanding any other provision of this Agreement to the contrary, the aggregate liquidated damages paid by Subscriber Organization during each Contract Year for the Performance Metrics LDs, such payments by Subscriber Organization to include but not be limited to any set-offs or draws made by Company during such Contract Year pursuant to Section 2.11(a) (Payment of Liquidated Damages), shall not exceed the total of the twelve (12) monthly Lump Sum Payments payable during such Contract Year pursuant to Section 2.3 (Lump Sum Payment) and Section 2.16 (Payment Procedures). For avoidance of doubt: A monthly Lump Sum Payment that is invoiced by Subscriber Organization to Company pursuant to Section 2.15 (Subscriber Organization's Preparation of the Monthly Invoice) for, e.g., the twelfth (12<sup>th</sup>) calendar month of Contract Year N but is paid during Contract Year N+1 as provided in Section 2.16 (Payment Procedures) shall, for purposes of determining the limitation on Performance Metrics LDs under this Section 2.11(b) (Limitation on Liquidated Damages), be included in the total of the twelve (12) monthly Lump Sum Payments payable during Contract Year N+1. As a result of the foregoing, the total of the monthly Lump Sum Payments used to establish the limitation on Performance Metrics LDs for the initial Contract Year under this

Section 2.11(b) (Limitation on Liquidated Damages) will be less than twelve (12). The Parties acknowledge that, because the monthly Lump Sum Payment is subject to adjustment (including downward adjustment) as provided in Section 2.3 (Lump Sum Payment), it is possible that a downward adjustment in some or all of the monthly Lump Sum Payments payable during a Contract Year might cause the Performance Metrics LDs paid by Subscriber Organization during the course of such Contract Year to exceed the limitation on the Performance Metrics LDs for such Contract Year established at the close of such Contract Year pursuant to the first sentence of this Section 2.11(b) (Limitation on Liquidated Damages). In such case, Company shall promptly upon the determination that the Performance Metrics LDs paid during the course of such Contract Year exceeded the limitation on Performance Metrics LDs for such Contract Year (and in no event more than forty-five (45) Business Days from the end of such Contract Year) repay such excess amount to Subscriber Organization without interest.

- (c) Payment of Shortfall Performance Metrics LDs by Reduction of Bill Credits.
- (i) If Performance Metrics LDs remain unpaid after Company has exercised its rights under Section 2.11(a) (Payment of Performance Metrics LDs by Subscriber Organization) of this Agreement to set off such liquidated damages from the amounts to be paid to Subscriber Organization and to draw such liquidated damages from the Operating Period Security, the Company shall have the right to pay such unpaid Performance Metrics LDs ("Shortfall Performance Metrics LDs") by reducing Bill Credits in the aggregate amount of such unpaid Shortfall Performance Metrics LDs. The reduction in Bill Credits shall be proportionate so that the burden of paying the Shortfall Performance Metrics LDs is shared equitably among the Subscribers.
- (ii) In the event of any disagreement under Section 2.11(a) (Payment of Performance Metrics LDs by Subscriber Organization) of this Agreement as to the amount of liquidated damages owing:

- (aa) upon the resolution of such disagreement pursuant to Section 2 (Monthly Report Disagreements) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement, if such resolution has the effect of reducing the Shortfall Performance Metrics LDs, and if such reduction in the Shortfall Performance Metrics LDs has the effect of causing the reduction in Bill Credits previously implemented by Company under Section 2.11(c)(i) to exceed the actual amount of the Shortfall Performance Metrics LDs (the amount of such excess being referred to herein on the "Excess Reduction in Bill Credits"), Company shall promptly (and in no event later than the second billing cycle for each Subscriber following the date of the resolution of such disagreement as aforesaid) afford to such Subscriber a Bill Credit (referred to herein as a "Compensatory Bill Credit") in an amount equivalent to the total of (i) such Subscriber's proportionate share of the Excess Reduction in Bill Credits and (ii), unless the Company and Subscriber Organization otherwise agree in writing as provided in Section 2.11(a)(iv)(aa), interest on the amount of the Excess Reduction in Bill Credits from the date Company implemented such Excess Reduction in Bill Credits with respect to such Subscriber until the date that Company applies the Compensatory Bill Credit against such Subscriber's retail electric service bill, at the average Prime Rate for such period; and
- (bb) upon the resolution of such disagreement pursuant to Section 2 (Monthly Report Disagreements) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement, if Company has not previously exercised its rights to set-off or draw liquidated damages pursuant to Section 2.11(a) (Payment of Performance Metrics LDs by Subscriber Organization), or has not previously set-off or drawn the full amount of the liquidated damages that are eventually found to be payable as a result of the resolution of

such disagreement, upon the resolution of such disagreement as aforesaid, Company shall have the right to pay such Shortfall Performance Metrics LDs based on the unpaid amount of liquidated damages that are found to be owing, by reducing Bill Credits in an amount equal to the total of (i) such Shortfall Performance Metrics LDs and (ii) unless otherwise agreed by Company and Subscriber Organization in writing as provided in Section 2.11(a)(iv)(bb), interest on the amount of such Shortfall Performance Metrics LDs from the applicable LD Assessment Date for the liquidated damages in question until the date Company implements a reduction in Bill Credits in payment of such Shortfall Performance Metrics LDs, at the average Prime Rate for such period.

- 2.12 No Payments Prior to Commercial Operations Date. Prior to the Commercial Operations Date, Company may accept test energy delivered by Subscriber Organization in accordance with Section 4 (Test Energy) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS). Company shall not be obligated to pay for any test energy accepted prior to the Commercial Operations Date.
- 2.13 Sales of Electric Energy by Company to Subscriber Organization. Sales of electric energy by Company to Subscriber Organization shall be governed by an applicable rate schedule filed with the PUC and not by this Agreement, except with respect to the reactive amount adjustment (if any) referred to in Attachment B (Facility Owned by Subscriber Organization).
- 2.14 [Reserved]
- 2.15 Subscriber Organization's Preparation of the Monthly Invoice. By the tenth (10<sup>th</sup>) Business Day of each calendar month, Subscriber Organization shall submit to Company an invoice that separately states the following for the preceding calendar month: (i) the Actual Output during the preceding calendar month; (ii) the monthly Lump Sum Payment for the preceding calendar month; (iii) a computation, based on the updated Monthly Subscriber Information for such preceding calendar month as provided pursuant to Section 4 (Updating Monthly Subscriber Information Used to Calculate

Bill Credits and Other Matters) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement, of each Subscriber's Subscriber Allocation for the preceding month stated as a percentage of Contract Capacity; (iv) the Unsubscribed RDG for the preceding calendar month stated as a percentage of Contract Capacity; (v) a computation, based on each Subscriber's Subscriber Allocation, of the dollar amount of the Bill Credit to which each Subscriber is entitled for the monthly Lump Sum Payment for the preceding calendar month; (vi) the dollar amount owing to Subscriber Organization for its share of the monthly Lump Sum Payment for the preceding calendar month; and (vii) as a credit against the amount owing to the Subscriber Organization, the amounts payable by Subscriber Organization under Article 7 (Subscriber Organization Payments) of this Agreement and any other applicable Subscriber Organization Fees as set forth in Section 11 (Subscriber Organization Fees) of Attachment Q (Facility CBRE Program) to this Agreement. The dollar amount payable to the Subscriber Organization shall be subject to adjustment as provided in Section 5 (Adjusting Payment to Subscriber Organization) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement.

2.16 Payment Procedures.

(a) Payments to Subscriber Organization.

- (i) By the twentieth (20<sup>th</sup>) Business Day of each calendar month following the month during which the invoice was submitted (i.e., by the twentieth (20<sup>th</sup>) Business Day of the second calendar month following the calendar month covered by the invoice in question), (but, except as otherwise provided in subparagraph (ii) of this Section 2.16(a) (Payments to Subscriber Organization), no later than the last Business Day of that month if there are less than twenty (20) Business Days in that month), Company shall, make payment to Subscriber Organization of the amount payable for the Unsubscribed RDG shown on such invoice, or provide to Subscriber Organization an itemized statement of its objections to all or any portion of such invoice and pay Subscriber Organization its share of any undisputed amount. Any such payment to the

Subscriber Organization shall be subject to adjustment as provided in Section 5 (Adjusting Payment to Subscriber Organization) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement, and shall also be subject to Company's right to set-off liquidated damages as provided in Section 2.11 (Payment of Liquidated Damages for Failure to Achieve Performance Metrics; Limitation on Liquidated Damages) of this Agreement.

- (ii) Notwithstanding the foregoing, the Day by which the Company shall make payment to Subscriber Organization hereunder shall be increased by one (1) Day for each Day that Subscriber Organization is delinquent in providing to the Company either: (i) the Monthly Report for the calendar month in question pursuant to Section 1 (Monthly Report) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement; or (ii) the information required under Section 2.15 (Subscriber Organization's Preparation of the Monthly Invoice) of this Agreement.

(b) Bill Credits.

- (i) The sole means of payment for each Subscriber Allocation for the calendar month covered by the invoice shall be by a Bill Credit on such Subscriber's retail electric bill. The Bill Credit shall be calculated on the undisputed amount of Subscriber Organization's invoice, pursuant to Section 2.16(a)(i) of this Agreement. Because not all of Company's customers have the same billing cycle, the timing of the appearance of the Bill Credit will vary with the Subscriber's billing cycle, but Company shall cause the Bill Credit to appear on each Subscriber's retail electric bill no later than the next billing cycle for such Subscriber following the due date for Company's payment to Subscriber Organization for the Unsubscribed RDG on the corresponding invoice. The calendar month upon which the Bill Credit is based shall not necessarily match the billing period for the retail electric service bill in which the Bill Credit is applied.

(ii) For purposes of applying the Bill Credit to each Subscriber's retail electric bill, the Company shall be entitled to rely exclusively on the Monthly Subscription Information as timely entered by the Subscriber Organization via the CBRE Online Portal as set forth in Section 4 (Updating Monthly Subscriber Information Used to Calculate Bill Credits and Other Matters) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement.

(iii) If there is a breach, error or changed circumstances resulting in some portion of the monthly Lump Sum Payment being assigned to a Subscriber in excess of such Subscriber's allowable Subscriber Allocation under the CBRE Tariff, then the Company may treat this excess as an "overpayment" of the Subscriber Allocation and reduce the Bill Credit(s) to such Subscriber for the flowing calendar month for overpayment in proportion to the excess allocation received in error. Payment to the Subscriber Organization for such Unsubscribed RDG shall only occur if no corresponding Bill Credit is made to a Subscriber, or if already allocated, if such allocation is corrected and withdrawn from such Subscriber, the intent of the Parties herein is to ensure that no portion of the Lump Sum Payment from the CBRE Facility is double-counted to any Subscriber and/or Subscriber Organization.

2.17 Late Payments. Notwithstanding all or any portion of such invoice in dispute, and subject to the provisions of Section 2.11(a)(iii) of this Agreement (to the extent applicable), interest shall accrue on any invoiced amount that remains unpaid following the twentieth (20<sup>th</sup>) Business Day of each calendar month (or the last Business Day of that month if there are less than twenty Business Days in that month), or following the due date for such payment if extended pursuant to Section 2.16 (Payment Procedures), at the average daily Prime Rate for the period commencing on the Day following the Day such payment is due until the invoiced amounts (or amounts due to Subscriber Organization if determined to be less than the invoiced amounts) are paid in full. Partial payments shall be applied first to outstanding interest and then to outstanding invoice amounts.



- 2.18 Adjustments to Invoices After Payment. In the event adjustments are required to correct inaccuracies in an invoice after payment, the Party requesting adjustment shall recompute and include in the Party's request the principal amounts due during the period of the inaccuracy together with the amount of interest from the date that such invoice was payable until the date that such recomputed amount is paid at the average daily Prime Rate for the period. The difference between the amount paid and that recomputed for the invoice, along with the allowable amount of interest, shall either be (i) paid to Subscriber Organization or set-off by Company, as appropriate, in the next invoice payment to Subscriber Organization, or (ii) objected to by the Party responsible for such payment within thirty (30) Days following its receipt of such request. If the Party responsible for such payment objects to the request, then the Parties shall work together in good faith to resolve the objection. If the Parties are unable to resolve the objection, the matter shall, except to the extent otherwise provided in Section 28.3 (Exclusions), be resolved pursuant to Article 28 (Dispute Resolution). All claims for adjustments shall be waived for any amounts that were paid or should have been payable more than thirty-six (36) months preceding the date of receipt of any such request.
- 2.19 Company's Billing Records. Subscriber Organization, after giving reasonable advance written notice to Company, shall have the right to review all billing, metering and related records necessary to verify the accuracy of payments relating to the Facility during Company's normal working hours on Business Days. Company shall maintain such records for a period of not less than thirty-six (36) months.

ARTICLE 3  
FACILITY OWNED AND/OR OPERATED BY SUBSCRIBER ORGANIZATION;  
FACILITY'S CBRE PROGRAM

- 3.1 The Facility. Subscriber Organization agrees to furnish, install, operate, and maintain the Facility in accordance with the provisions of this Agreement, including, without limitation, the operating procedures and performance standards as more fully described in Attachment B (Facility Owned by Subscriber Organization) and Attachment C (Methods and Formulas for Measuring Performance Standards). After the Commercial Operations Date, Subscriber Organization agrees that no changes or additions to the Facility shall be made without prior written approval by Company and amendment to the Agreement unless such changes or additions to the Facility could not reasonably be expected to have a material effect on the assumptions used in performing the IRS.
- 3.2 Allowed Capacity. The net instantaneous MW output from the Facility may not exceed the Allowed Capacity. Subscriber Organization shall take all necessary affirmative action to limit Actual Output to no more than the Allowed Capacity. Company may take appropriate action to limit the Actual Output pursuant to, but not limited to, Article 8 (Company Dispatch), Article 9 (Personnel and System Safety), Article 25 (Good Engineering and Operating Practices), and Attachment B (Facility Owned by Subscriber Organization). Company shall not be required to pay for any Actual Output of the Facility which exceeds the Allowed Capacity.
- 3.3 Point of Interconnection. The Point of Interconnection is shown on Attachment E (Single-Line Drawing and Interface Block Diagram), as provided in Section 1(a)(i) (Single-Line Drawing, Interface Block Diagram, Relay List, Relay Settings and Trip Scheme) of Attachment B (Facility Owned by Subscriber Organization). The Point of Interconnection will be at the voltage level of the Company System. If it is necessary to step up the voltage at which Subscriber Organization's electric energy is delivered to Company System, the Point of Interconnection will be on the high voltage side of the step-up transformer.
- 3.4 Renewable Portfolio Standards.
- (a) Renewable Portfolio Standards. If, as a result of any RPS Amendment, the electric energy delivered from the Facility should no longer qualify as "renewable

electrical energy," Subscriber Organization shall, at the request of Company, develop and recommend to Company within a reasonable period of time following Company's request, but in no event more than 90 Days after Subscriber Organization's receipt of such request (or such other period of time as Company and Subscriber Organization may agree in writing) reasonable measures to cause the electric energy delivered from the Facility to come within such revised definition of "renewable electrical energy" ("Subscriber Organization's RPS Modifications Proposal").

- (b) Subscriber Organization's RPS Modifications Proposal. Upon receipt of Subscriber Organization's RPS Modifications Proposal, Company will evaluate Subscriber Organization's RPS Modifications Proposal. Subscriber Organization shall assist Company in performing such evaluation as and to the extent reasonably requested by Company (including, but not limited to, providing such additional information as Company may reasonably request and participating in meetings with Company as Company may reasonably request).
- (c) RPS Modifications Document. If, following Company's evaluation of Subscriber Organization's RPS Modifications Proposal, Company desires to consider the implementation by Subscriber Organization of the changes recommended in Subscriber Organization's RPS Modifications Proposal, Company shall provide Subscriber Organization with written notice to that effect, such notice to be issued to Subscriber Organization within 180 Days of receipt of Subscriber Organization's RPS Modifications Proposal, and Company and Subscriber Organization shall proceed to negotiate in good faith a document setting forth the specific changes to the Agreement that are necessary to implement such RPS Modifications Proposal (the "RPS Modifications Document"). A decision by Company to initiate negotiations with Subscriber Organization as aforesaid shall not constitute an acceptance by Company of any of the details set forth in Subscriber Organization's RPS Modifications Proposal, including but not limited to the RPS Modifications and the RPS Pricing Impact. Any adjustment to the Contract Pricing pursuant to such RPS Modifications Document shall be limited to the RPS Pricing Impact. The time periods set forth in such RPS Modifications Document as to the effective date for the

RPS Modifications shall be measured from the date the PUC order with respect to such RPS Modifications becomes non-appealable as provided in Section 3.4(e) (PUC RPS Order).

- (d) Failure to Reach Agreement. If Company and Subscriber Organization are unable to agree upon and execute a RPS Modifications Document within 180 Days of Company's written notice to Subscriber Organization pursuant to Section 3.4(c) (RPS Modifications Document), Company shall have the option of declaring the failure to reach agreement on and execute such Document to be a dispute and submit such dispute to an Independent Evaluator for the conduct of a determination pursuant to Section 3.4(h) (Dispute) of this Agreement. Any decision of the Independent Evaluator rendered as a result of such dispute shall include a form of a RPS Modifications Document as described in Section 3.4(c) (RPS Modifications Document).
- (e) PUC RPS Order. No RPS Modifications Document shall constitute an amendment to the Agreement unless and until a PUC order issued with respect to such document has become non-appealable ("PUC RPS Order"). Once the condition of the preceding sentence has been satisfied, such RPS Modifications Document shall constitute an amendment to this Agreement. To be "non-appealable" under this Section 3.4(e) (PUC RPS Order), such PUC RPS Order shall be either (i) not subject to appeal to any Circuit Court of the State of Hawai'i or the Supreme Court of the State of Hawai'i, because the thirty (30) Day period (accounting for weekends and holidays as appropriate) permitted for such an appeal has passed without the filing of notice of such an appeal, or (ii) affirmed on appeal to any Circuit Court of the State of Hawai'i or the Supreme Court, or the Intermediate Appellate Court upon assignment by the Supreme Court, of the State of Hawai'i, or affirmed upon further appeal or appellate process, and is not subject to further appeal, because the jurisdictional time permitted for such an appeal (and/or further appellate process such as a motion for reconsideration or an application for writ of certiorari) has passed without the filing of notice of such an appeal (or the filing for further appellate process).

- (f) Company's Rights. The rights granted to Company under Section 3.4(c) (RPS Modifications Document) and Section 3.4(d) (Failure to Reach Agreement) above are exclusive to Company. Subscriber Organization shall not have a right to initiate negotiations of a RPS Modifications Document or to initiate dispute resolution under Section 3.4(h) (Dispute), as a result of a failure to agree upon and execute any RPS Modifications Document.
- (g) Limited Purpose. This Section 3.4 (Renewable Portfolio Standards) is intended to specifically address the implementation of reasonable measures to cause the electric energy delivered from the Facility to come within the revised definition of "renewable electrical energy" under any RPS Amendment and is not intended for either Party to provide a means for renegotiating any other terms of this Agreement. Revisions to this Agreement in accordance with the provisions of this Section 3.4 (Renewable Portfolio Standards) are not intended to increase Subscriber Organization's risk of non-performance or default.
- (h) Dispute. If Company decides to declare a dispute as a result of the failure to reach agreement and execute a RPS Modifications Document pursuant to Section 3.4(d) (Failure to Reach Agreement), it shall provide written notice to that effect to Subscriber Organization. Within 20 Days of delivery of such notice Subscriber Organization and Company shall agree upon an Independent Evaluator to resolve the dispute regarding a RPS Modifications Document. The Independent Evaluator shall be reasonably qualified and expert in renewable energy power generation, matters relating to the Performance Standards, financing, and power purchase agreements. If the Parties are unable to agree upon an Independent Evaluator within such 20-Day period, Company shall apply to the PUC for the appointment of an Independent Evaluator. If an Independent Observer retained under the Competitive Bidding Framework is qualified and willing and available to serve as Independent Evaluator, the PUC shall appoint one of the persons or entities qualified to serve as an Independent Observer to be the Independent Evaluator; if not, the PUC shall appoint another qualified person or entity to serve as Independent Evaluator. In its application, Company shall ask the PUC to appoint an Independent Evaluator within 30 Days of the application.

- (1) Promptly upon appointment, the Independent Evaluator shall request the Parties to address the following matters within the next 15 Days:
  - (a) The reasonable measures required to be taken by Subscriber Organization to cause the electric energy delivered from the Facility to come within such revised definition of "renewable electrical energy" under the RPS Amendment in question;
  - (b) How Subscriber Organization would implement such measures;
  - (c) Reasonably expected net costs and/or lost revenues associated with such measures so the energy delivered by the Facility complies with such revised definition of "renewable electrical energy" under the RPS Amendment in question;
  - (d) The appropriate level, if any, of RPS Pricing Impact in light of the foregoing; and
  - (e) Contractual consequences for non-performance that are commercially reasonable under the circumstances.
- (2) Within 90 Days of appointment, the Independent Evaluator shall render a decision unless the Independent Evaluator determines it needs to have additional time, not to exceed 45 Days, to render a decision.
- (3) The Parties shall assist the Independent Evaluator throughout the process of preparing its review, including making key personnel and records available to the Independent Evaluator, but neither Party shall be entitled to participate in any meetings with personnel of the other Party or review of the other Party's records. However, the Independent Evaluator will have the right to conduct meetings, hearings or oral arguments in which both Parties are represented. The Parties may meet with each other during the review process to explore means of resolving the matter on mutually acceptable terms.

- (4) The following standards shall be applied by the Independent Evaluator in rendering his or her decision: (i) if it is not technically or operationally feasible for Subscriber Organization to implement reasonable measures required to cause the electric energy delivered from the Facility to come within such revised definition of "renewable electrical energy" under the RPS Amendment in question, the Independent Evaluator shall determine that the Agreement shall not be amended to comply with such changes in RPS (unless the Parties agree otherwise); (ii) if it is technically or operationally feasible for Subscriber Organization to implement reasonable measures required to cause the electric energy delivered from the Facility to come within such revised definition of "renewable electrical energy" under RPS, the Independent Evaluator shall incorporate such required changes into a RPS Modifications Document including (aa) Subscriber Organization's RPS Modifications, (bb) pricing terms that incorporate the RPS Pricing Impact, and (cc) contract terms and conditions that are commercially reasonable under the circumstances, especially with respect to the consequences of non-performance by Subscriber Organization as to the RPS Modifications. In addition to the RPS Modifications Document, the Independent Evaluator shall render a decision which sets forth the positions of the Parties and Independent Evaluator's rationale for his or her decisions on disputed issues.
- (5) The fees and costs of the Independent Evaluator shall be paid by Company up to the first \$30,000 of such fees and costs; above those amounts, the Party that is not the prevailing Party shall be responsible for any such fees and costs; provided, if neither Party is the prevailing Party, then the fees and costs of the Independent Evaluator above \$30,000, shall be borne equally by the Parties. The Independent Evaluator in rendering his or her decision shall also state which Party prevailed over the other Party, or that neither Party prevailed over the other.

3.5 Facility's CBRE Program. Subscriber Organization shall comply with the provisions of Attachment Q (Facility's CBRE Program).



ARTICLE 4  
COMPANY-OWNED INTERCONNECTION FACILITIES

The terms and conditions related to the Company-Owned Interconnection Facilities are set forth in Attachment G (Company-Owned Interconnection Facilities) of this Agreement. In accordance with Section 8 (Transfer of Ownership/Title) of Attachment G (Company-Owned Interconnection Facilities), on the Transfer Date, Subscriber Organization shall convey title to the Company-Owned Interconnection Facilities that were designed and constructed by or on behalf of Subscriber Organization by executing a Bill of Sale and Assignment document substantially in the form set forth in Attachment H (Form of Bill of Sale and Assignment). In addition, in accordance with Section 8 (Transfer of Ownership/Title) of Attachment G (Company-Owned Interconnection Facilities) on the Transfer Date, Subscriber Organization shall deliver to Company any and all executed documents required to assign all Land Rights necessary to operate and maintain the Company-Owned Interconnection Facilities on and after the Transfer Date to Company, which documents shall be substantially in the form set forth in Attachment I (Form of Assignment of Lease and Assumption).

ARTICLE 5  
MAINTENANCE RECORDS AND SCHEDULING

5.1 Operating Records.

- (a) Subscriber Organization's Logs. Subscriber Organization shall maintain, at least daily, a log in which it shall record all pertinent data that will indicate whether the Facility is being operated in accordance with Good Engineering and Operating Practices. These data logs shall include, but not be limited to, all maintenance and inspection work performed at the Facility, circuit breaker trip operations, relay operations including target indications, megavar and megawatt recording charts (and/or equivalent computer records), all unusual conditions experienced or observed and any reduced capability and the reasons therefor and duration thereof. For each inverter, the data reported shall include planned derated hours, unplanned derated hours, average derated kW during the derated hours, scheduled maintenance hours, average derated kW during scheduled maintenance hours, hours on-control and hours on-line. Company shall have the right, upon reasonable notice and during regular Business Day hours to review and copy such data logs; provided, that if such logs reveal any inconsistency with Company's records, Company may request and review Subscriber Organization's supporting records, correspondence, memoranda and other documents or electronically recorded data associated with such logs related to the operation and maintenance of the Facility in order to resolve such inconsistency.
- (b) Company Access to Subscriber Organization's Logs. Subscriber Organization shall provide Company access to Subscriber Organization's records which identify the priority, as internally assigned by Subscriber Organization, of specific preventive or corrective maintenance activities. These records shall include items for which Subscriber Organization has deferred the inspection or corrective action to a future scheduled plant outage. In addition, Subscriber Organization shall provide copies of applicable correspondence between Subscriber Organization and its insurer(s) for the Facility equipment pertaining to Subscriber Organization's maintenance practices and Subscriber Organization's procedures and scheduling (including deferral) of maintenance at the Facility.

- (c) Time Period for Maintaining Records. Any and all records, correspondence, memoranda and other documents or electronically recorded data related to the operation and maintenance of the Facility shall be maintained by Subscriber Organization for a period of not less than six (6) years.

5.2 Maintenance Records.

- (a) Subscriber Organization's Summary of Maintenance and Inspection Performed. Prior to February 1 of each calendar year, Subscriber Organization shall submit to Company for inspection at the Site, a summary in a format similar to the example provided in Attachment V (Summary of Maintenance and Inspection Performed in Prior Calendar Year) of all maintenance and inspection work performed in the prior calendar year, and of all conditions experienced or observed during such calendar year that may have a material adverse effect on or may materially impair the short-term or long-term operation of the Facility at the operational levels contemplated by this Agreement. The summary shall present the requested data in a meaningful and informative manner consistent with the cooperative exchange of information between the Parties. If available and practicable, such summary shall be provided in electronic format with sufficient software so that Company can group activities for specific process areas of the Facility and be able to view the maintenance history of a specific equipment item. Such summary shall also include Subscriber Organization's proposals for correcting or preventing recurrences of identified equipment problems and for performing such other maintenance and inspection work as is required by Good Engineering and Operating Practices.
- (b) Company's Written Recommendations. Within sixty (60) Days of receiving such summary, and after any reasonable inspection desired by Company of the Facility and consultation with Subscriber Organization, in the event there are issues identified that may have a material adverse effect on or may materially impair the short-term or long-term operation of the Facility at the operational levels contemplated by this Agreement, for purposes of addressing such issues, Company may provide written recommendations for specific operation or maintenance actions or for changes in the operation or maintenance program of the Facility. Company's making

or failing to make such recommendations shall not be construed as endorsing the operation and maintenance thereof or as any warranty of the safety, durability or reliability of the Facility nor as a waiver of any Company right. If Subscriber Organization agrees with Company, Subscriber Organization shall, within a reasonable time after Company makes such recommendations, not to exceed ninety (90) Days (or such longer period as reasonably agreed to by the Parties), implement Company's recommendations. If Subscriber Organization disagrees with Company, it shall within ten (10) Days inform Company of alternatives it will take to accomplish the same intent, or provide Company with a reasonable explanation as to why no action is required by Good Engineering and Operating Practices. If Company disagrees with Subscriber Organization's position, and if, for each of the three preceding Contract Years, the PV System Equivalent Availability Factor was less than **94%** and/or the MPR was less than the Tier 1 Bandwidth for such Contract Year, then the parties shall commission a study by a Qualified Independent Consultant selected from among the entities listed in Section 4(j) (Acceptable Person and Entities) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement and the Qualified Independent Consultant will make a recommendation to remedy the situation. Subscriber Organization shall abide by the Qualified Independent Consultant's recommendation contained in such study. Both Parties shall equally share in the cost for the Qualified Independent Consultant. However, Subscriber Organization shall pay all costs associated with implementing the recommendation contained in the Independent Consultant's report. Notwithstanding the foregoing, Subscriber Organization shall not be required to comply with any recommendations that, in Subscriber Organization's reasonable judgment, will violate or void any warranties of equipment that is a part of, or used in connection with, the Facility or violate any long-term service agreement, or conflict with any written requirements, specifications or operating parameters of the manufacturer, with respect to such equipment, in which case Subscriber Organization shall promptly notify Company thereof, and Subscriber Organization and Company shall endeavor to reach a mutually satisfactory resolution of the matter in question.

- 5.3 Subscriber Organization's Quarterly Maintenance Schedule. By each March 1<sup>st</sup>, June 1<sup>st</sup>, September 1<sup>st</sup> and December 1<sup>st</sup> (as applicable, subsequent to the Commercial Operations Date), Subscriber Organization shall provide to Company in writing a projection of maintenance outages and reductions in capacity for the next calendar quarter, including the estimated MW that is anticipated to be off-line for each projected maintenance event. Subscriber Organization shall provide Company with prompt written notice of any deviation from its quarterly maintenance schedule, but in any case Subscriber Organization shall provide such written notice not less than one (1) week prior to commencing any such rescheduled maintenance event. During any scheduled or rescheduled maintenance event, Subscriber Organization shall provide updates to Company's operating personnel in the event there are any delays or changes to the proposed schedule, and shall promptly respond to any requests from Company for updates regarding the status of such maintenance event.
- 5.4 Subscriber Organization's Annual Maintenance Schedule. In addition, Subscriber Organization shall submit to Company a written schedule of maintenance outages which will reduce the capacity of the Facility by **[Drafting Note: the lower of five (5) MW or 25% of the Allowed Capacity]** or more for the next two-year period, beginning with January of the following year, in writing to Company each year by June 30. The schedule shall state the proposed dates and durations of scheduled maintenance, including the scope of work for the maintenance requiring shutdown or reduction in output of the Facility and the estimated MW that is anticipated to be off-line for each projected maintenance event. Company shall review the maintenance schedule for the two-year period and inform Subscriber Organization in writing no later than December 1 of the same year of Company's concurrence or requested revisions; provided, however, that Subscriber Organization shall not be required to agree to any proposed revisions that, in Subscriber Organization's judgment, will void or violate any warranties of equipment that is part of, or used in connection with, the Facility or violate any long-term service agreement with respect to such equipment, in which case Subscriber Organization shall promptly notify Company thereof, and Subscriber Organization and Company shall endeavor to reach a mutually satisfactory resolution of the matter in question. With respect to such agreed upon revisions, Subscriber Organization shall revise its schedule for timing and duration of scheduled shutdowns and scheduled

reductions of output of the Facility to accommodate Company's revisions, unless such revisions would not be consistent with Good Engineering and Operating Practices, and make all commercially reasonable efforts, consistent with Good Engineering and Operating Practices, to accommodate any subsequent changes in such schedule reasonably requested by Company.

- 5.5 Subscriber Organization's Notification Obligations. When Subscriber Organization learns that any of its equipment will be removed from or returned to service, and any such removal or return may affect the ability of the Facility to deliver electric energy to Company, Subscriber Organization shall notify Company as soon as practicable. This requirement to notify shall include, but not be limited to, notice to Company of Subscriber Organization's intention to shut down any solar photovoltaic generator plus inverter unit. Any unit shut-down shall be coordinated with Company in advance to the extent practicable to allow a reasonable amount of time for Company to make generation adjustments required by the loss of availability from a unit shut-down.
- 5.6 Operating and Maintenance Manuals. Not later than the Commercial Operation Date, Subscriber Organization shall provide Company with (i) any and all manufacturer's equipment manuals and recommendations for maintenance and with any updates or supplements thereto within three (3) Business Days after Subscriber Organization's receipt of same and (ii) a copy of the operating and maintenance manual and shall thereafter provide Company with any amendments thereto within three (3) Business Days after such amendment is adopted.

ARTICLE 6  
FORECASTING

- 6.1 Data for Company Forecasts and Monitoring. Subscriber Organization shall provide to Company the meteorological and production data and the Site description information required by Company in order for Company to (i) provide situational awareness to Company System Operator, (ii) monitor equipment availability and performance, (iii) produce a real-time forecast for operations as well as a Day-ahead forecast and hourly forecasts for all variable generation facilities on the Company System and (iv) monitor Subscriber Organization's compliance with the Performance Standards set forth in Section 3 (Performance Standards) of the Attachment B (Facility Owned by Subscriber Organization).
- 6.2 Monitoring and Communication Equipment. Subscriber Organization shall install and maintain appropriate equipment (the "Monitoring and Communication Equipment") for the purposes of (i) measuring the meteorological and production data required under Section 6.1 (Data for Company Forecasts and Monitoring) with an accuracy of not less than that specified for each such data parameter in Section 8 (Data and Forecasting) of Attachment B (Facility Owned by Subscriber Organization) and, if the monitoring equipment is part of the Company-Owned Interconnection Facilities, as set forth in Attachment G (Company-Owned Interconnection Facilities), and (ii) recording and transferring such data to Company in real time. Subscriber Organization shall maintain at the Site sufficient replacement parts to avoid or otherwise minimize any shutdown of the Facility pursuant to Section 6.4 (Shutdown For Lack of Reliable Real Time Data) of this Agreement while any of the Monitoring and Communication Equipment is being repaired, replaced or re-calibrated.
- 6.3 Calibrations, Maintenance and Repairs.
- (a) Documentation Requirement. Subscriber Organization shall provide to Company (i) the manufacturer's recommended schedule for the calibration and maintenance of each component of the Monitoring and Communication Equipment and (ii) subject to the limitation set forth in Section 1(a)(ii) (As-Builts) of Attachment B (Facility Owned by Subscriber Organization) of this Agreement, documentation of the performance of all such calibration and maintenance per manufacturer specifications. Although Company is to receive from

Subscriber Organization the aforesaid recommended schedules for calibration and maintenance, as well documentation of the performance of all such calibration and maintenance, Company shall have no responsibility to monitor Subscriber Organization's compliance with such calibration and maintenance schedules. Accordingly, any failure by Company to bring Subscriber Organization's attention any apparent failure by Subscriber Organization to perform such recommended calibration and maintenance shall neither relieve Subscriber Organization of its obligations under this Agreement to perform such calibration and maintenance nor constitute a waiver of Company's rights under this Agreement with respect to such failure in performance by Subscriber Organization.

(b) Corrective Measures. In the event of a pattern of material inconsistencies in the data stream provided by the Monitoring and Communication Equipment, Subscriber Organization shall perform, at Subscriber Organization's expense, such corrective measures as Company may reasonably require, such as the recalibration of all field measurement device components of the Monitoring and Communication Equipment.

(c) Repairs. In the event of any failure in the Monitoring and Communication Equipment, Subscriber Organization shall repair or replace such equipment within fifteen (15) Days of such failure, or within such longer period as may be reasonably agreed to by the Parties.

6.4 Shutdown For Lack of Reliable Real Time Data. Because the availability to the Company System Operator of reliable meteorological and production information in real time via SCADA is necessary in order for Company to effectively optimize the benefit of its right of Company Dispatch, Company shall have the right to direct Subscriber Organization to shutdown the Facility due to the unavailability of such reliable real time meteorological and/or production data. In addition, in the event of the performance of corrective measures (including recalibration) and/or repairs to any Monitoring and Communication Equipment pursuant to Section 6.3(b) (Corrective Measures) or Section 6.3(c) (Repairs), Company shall have the right to direct Subscriber Organization to shutdown the Facility and the Facility shall remain shutdown until such corrective action is completed. In the event the cause for any shutdown in



this Section 6.4 (Shutdown For Lack of Reliable Real Time Data) falls within the definition of Subscriber Organization-Attributable Non-Generation, such period of time shall be allocated as such for purposes of calculating the PV System Equivalent Availability Factor under Section 2.5(a) (Calculation of PV System Equivalent Availability Factor) of this Agreement until such time as the successful completion of such corrective measures and/or repairs has been communicated by Subscriber Organization to Company. If, after such communication, Company attempts to dispatch the Facility and determines that such corrective measures and/or repairs were not successfully completed, all time from the notice of successful completion to actual successful completion shall be revised as continuance of the deration or outage. Notwithstanding the foregoing, if Subscriber Organization requests in writing for confirmation that the Facility's data is available to Company, then Company shall use reasonable efforts to respond to such request within three (3) Business Days in writing (with email being acceptable) confirming that either (1) the Facility's data is available to Company (at which point no additional time after such request shall count as Subscriber Organization-Attributable Non-Generation), or (2) the Facility's data is not available so that Subscriber Organization can take further appropriate corrective actions.

6.5 Subscriber Organization Day-Ahead Forecasts of Actual Output.

(a) Forecasts. Each Day during the Term commencing on the Commercial Operations Date, Subscriber Organization shall submit to Company Subscriber Organization's Day-ahead hourly forecasts of the Facility's Actual Output produced by a commercially available forecasting service or by the Subscriber Organization's documented methodology (i.e., climatology, persistence forecasting) for providing a forecast for the Facility's Actual Output for the next 24 hour period. Hourly Day-ahead forecasts shall be submitted to Company by 1200 Hawai'i Standard Time on each Day immediately preceding a Day on which electric energy from the Facility is to be delivered. Subscriber Organization shall provide Company with an hourly forecast of Actual Output for each hour of the next Day. Subscriber Organization shall update such forecast and provide unit availability updates any time information becomes available indicating a change in the forecast of Actual Output from the Facility. The forecasts called for by this Agreement shall be

substantially in the form reasonably requested by Company.

- (b) Accuracy of Forecasts. Company acknowledges that the Subscriber Organization's Day-ahead forecasts are based on forecast estimates and not guarantees. Such limitation notwithstanding, Subscriber Organization shall exercise commercially reasonable efforts to ensure the accuracy of the Day-ahead forecasts required hereunder for validation purposes and to support Company's forecasts. This includes a detailed description of the methodology used by Subscriber Organization for forecasting. For example, Subscriber Organization shall prepare such forecasts and updates by utilizing a solar power forecast or other service that is (i) commercially available or proprietary to Subscriber Organization, (ii) comparable in accuracy to models or services commonly used in the solar energy industry and that reflect equipment availability, and (iii) is satisfactory to Company in the exercise of its reasonable discretion.
- (c) Company's Forecasting System. Company currently subscribes to a forecasting service. Subscriber Organization, may, if it chooses, subscribe to the same forecasting service that Company does, at Subscriber Organization's cost. If Subscriber Organization so chooses to subscribe to such forecasting service and elects to use such service in lieu of creating its own forecast, Subscriber Organization shall not be required to provide Day-ahead forecasts pursuant to this Section 6.5 (Subscriber Organization Day-Ahead Forecasts of Actual Output). If Company changes its forecasting service and Subscriber Organization elects not to subscribe to the same forecasting service, then the provisions of Section 6.5(a) (Forecasts) and Section 6.5(b) (Accuracy of Forecasts) shall apply.
- 6.6 Reports, Studies and Assessment. Prior to the Execution Date, Subscriber Organization has provided Company with Subscriber Organization's explanation of the methodology and underlying information used to derive the NEP RFP Projection, including the preliminary design of the Facility and the typical meteorological year file used to estimate the Renewable Resource Baseline. The independent consultant was selected from among the entities listed in Section 4(j) (Acceptable Person and Entities) of Attachment U (Calculation

and Adjustment of Net Energy Potential) to this Agreement. Throughout the Term, Subscriber Organization shall, for purposes of facilitating Company's forecasting, deliver to Company, promptly upon Subscriber Organization's receipt of same, any reports, studies or assessments prepared for the benefit of the Subscriber Organization by an independent engineer of (i) the electric energy producing potential of the Site or (ii) the Facility.

ARTICLE 7  
SUBSCRIBER ORGANIZATION PAYMENTS

Subscriber Organization shall pay to Company (i) all amounts pursuant to Attachment G (Company-Owned Interconnection Facilities), (ii) all amounts pursuant to Section 10.1 (Meters) and Section 10.2 (Meter Testing), (iii) a monthly metering charge of \$25.00 per month, which is in addition to any charges due Company pursuant to the applicable rate schedule pursuant to Section 2.13 (Sales of Electric Energy By Company to Subscriber Organization) of this Agreement and (iv) such other costs to be incurred by Company and reimbursed by Subscriber Organization as set forth in this Agreement.

ARTICLE 8  
COMPANY DISPATCH

- 8.1 General. Company shall have the right to dispatch all available real and reactive power delivered from the Facility to the Company System and to start up and shut down Subscriber Organization's generating units, as it deems appropriate in its reasonable discretion, subject only to Company Dispatch and Subscriber Organization's maintenance schedule determined in accordance with Article 5 (Maintenance Records and Scheduling). Because the Facility must be available to respond to Company Dispatch, the Facility may not consume any energy generated by the Facility. Company shall not pay for reactive power.
- 8.2 Company Dispatch. Dispatch will either be by Subscriber Organization's manual control under the direction of the Company System Operator or by remote computerized control by the EMS provided in Section 1(g) (Active Power Control Interface) of Attachment B (Facility Owned by Subscriber Organization), in each case at Company's reasonable discretion.
- 8.3 Company Rights of Dispatch. Company may require deration or outage in response to the Facility's failure to comply with Company Dispatch or to any conditions of Subscriber Organization-Attributable Non-Generation. A deration or outage required by Company pursuant to the preceding sentence shall be considered "unplanned" and, until the conditions that led to the deration or outage are resolved by Subscriber Organization and Subscriber Organization notifies Company of the same, any such deration shall "count against" Subscriber Organization for purposes of calculating the Measured Performance Ratio, and any such outage shall "count against" Subscriber Organization for the purpose of calculating the PV System Equivalent Availability Factor. If, after such notification, Company attempts to dispatch the Facility and determines that such conditions that led to the deration or outage are not resolved, all time from the notice of resolution to actual resolution shall be revised as continuance of the deration or outage until the conditions that led to such outage or deration are resolved by Subscriber Organization to Company's reasonable satisfaction. If Subscriber Organization requests confirmation from Company that Subscriber Organization's actions to resolve such conditions that led to the deration or outage were successfully completed, then Company shall

use reasonable efforts to respond to such request within three (3) Business Days in writing (with email being acceptable) to allow Subscriber Organization the opportunity to take further appropriate corrective actions if needed. Nothing in this Section 8.3 (Company Rights of Dispatch) shall relieve Subscriber Organization of its obligation under the terms of this Agreement to make available the full capability of the Facility for Company Dispatch.

- 8.4 Monthly Report. Commencing with the month during which the Commercial Operations Date is achieved, and for each calendar month thereafter during the Term, Subscriber Organization shall prepare and provide to Company a Monthly Report by the tenth (10<sup>th</sup>) Business Day of the following month in accordance with Section 1 (Monthly Report) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) of this Agreement. Beginning with the Monthly Report for the last calendar month of the initial Contract Year, Subscriber Organization shall include calculations of, as applicable, (a) the PV System Equivalent Availability Factor for the LD Period, (b) the Measured Performance Ratio for the MPR Assessment Period, (c) any of the BESS Capacity Ratio, the RTE Ratio, the BESS Annual Equivalent Availability Factor or the BESS Equivalent Forced Outage Factor for the BESS Measurement Period (if any), as well as (d) any liquidated damages to be assessed, as set forth in the form of Monthly Report set forth in Section 1 (Monthly Report) of said Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator). The rights and obligations of the Parties with respect to each Monthly Report and any disagreements arising out of any Monthly Report are set forth in Section 1 (Monthly Report) and Section 2 (Monthly Report Disagreements) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement.

ARTICLE 9  
PERSONNEL AND SYSTEM SAFETY

Notwithstanding any other provisions of this Agreement, if at any time Company reasonably determines that the Facility may endanger Company's personnel, and/or the continued operation of the Facility may endanger the integrity of the Company System or have an adverse effect on Company's other customers' electric service, Company shall have the right to disconnect the Facility from the Company System, as determined in the sole discretion of the Company System Operator. The Facility shall immediately comply with the dispatch instruction, which may be initiated through remote control, and shall remain disconnected (and in Subscriber Organization-Attributable Non-Generation status if so determined), until such time as Company is satisfied that the condition(s) referred to above have been corrected. If Company disconnects the Facility from the Company System for personnel or system safety reasons, it shall as soon as practicable notify Subscriber Organization by telephone, and thereafter make reasonable efforts to confirm, in writing (with email being acceptable), within three (3) Days of the disconnection, the reasons for the disconnection. If the reason for the disconnection constitutes Subscriber Organization-Attributable Non-Generation, Company will notify Subscriber Organization (1) whether the conditions resulting in such disconnection have been resolved (in which case no additional time after such confirmation shall count as Subscriber Organization-Attributable Non-Generation); or (2) that conditions resulting in such disconnection have not been resolved so that Subscriber Organization can take such appropriate corrective actions. Subscriber Organization shall notify Company in writing when such corrective action has been completed; provided, however, that Subscriber Organization shall remain in Subscriber Organization-Attributable Non-Generation until Company is satisfied that the condition resulting in the disconnection has been corrected. Company shall use reasonable efforts to inspect such corrective measures (if necessary) and confirm the resolution of such condition within three (3) Business Days after Subscriber Organization's notification.

ARTICLE 10  
METERING

- 10.1 Meters. Company shall purchase, own, install and maintain the Revenue Metering Package suitable for measuring the export of electric energy from the Facility sold to Company in kilowatts and kilowatt-hours on a time-of-day basis and of reactive power flow in kilovars and true root mean square kilovar-hours. The metering point shall be as close as possible to the Point of Interconnection as allowed by Company. Subscriber Organization shall make available a mutually agreeable location for the Revenue Metering Package. Subscriber Organization shall install, own and maintain the infrastructure and other related equipment associated with the Revenue Metering Package, including but not limited to all enclosures (meter cabinets, meter pedestals, meter sockets, pull boxes, and junction boxes, along with their grounding/bonding connections), CT/PT mounting structures, conduits and ductlines, enclosure support structures, ground buses, pads, test switches, terminal blocks, isolation relays, telephone surge suppressors, and analog phone lines (one per meter), subject to Company's review and approval, as further described in Section 1(e) (Other Equipment) of Attachment B (Facility Owned by Subscriber Organization). The Subscriber Organization shall install this infrastructure such that it meets the requirements set forth in Chapter Six (IPP Metering) of the latest edition of the Company's Electric Service Installation Manual (ESIM). Company shall test such revenue meter prior to installation and shall test such revenue meter every fifth (5<sup>th</sup>) year. Subscriber Organization shall reimburse Company for all reasonably incurred costs for the procurement, installation, maintenance (including maintenance replacements) and testing work associated with the Revenue Metering Package.
- 10.2 Meter Testing. Company shall provide at least twenty-four (24) hours' notice to Subscriber Organization prior to any test it may perform on the revenue meters or metering equipment. Subscriber Organization shall have the right to have a representative present during each such test. Subscriber Organization may request, and Company shall perform, if requested, tests in addition to the every fifth-year test and Subscriber Organization shall pay the cost of such tests. Company may, in its sole discretion, perform tests in addition to the fifth year test and Company shall



pay the cost of such tests. If any of the revenue meters or metering equipment is found to be inaccurate at any time, as determined by testing in accordance with this Section 10.2 (Meter Testing), Company shall promptly cause such equipment to be made accurate, and the period of inaccuracy, as well as an estimate for correct meter readings, shall be determined in accordance with Section 10.3 (Corrections).

- 10.3 Corrections. If any test of revenue meters or metering equipment conducted by Company indicates that the revenue meter readings are in error by one percent (1%) or more, the revenue meters or meter readings shall be corrected as follows: (i) determine the error by testing the revenue meter at approximately ten percent (10%) of the rated current (test amperes) specified for such revenue meter; (ii) determine the error by testing the revenue meter at approximately one hundred percent (100%) of the rated current (test amperes) specified for the revenue meter; (iii) the average meter error shall then be computed as the sum of (aa) one-fifth (1/5) of the error determined in the foregoing clause "(i)" and (bb) four-fifths (4/5) of the error determined in the foregoing clause "(ii)". The average meter error shall be used to adjust the invoices in accordance with Section 2.18 (Adjustment to Invoices After Payment) for the amount of electric energy supplied to Company for the previous six (6) months from Facility, unless records of Company conclusively establish that such error existed for a greater or lesser period, in which case the correction shall cover such actual period of error.

ARTICLE 11

GOVERNMENTAL APPROVALS, LAND RIGHTS AND COMPLIANCE WITH LAWS

- 11.1 Governmental Approvals for Facility. Subscriber Organization shall obtain, at its expense, any and all Governmental Approvals required for the construction, ownership, operation and maintenance of the Facility and the interconnection of the Facility to the Company System. Under no circumstance shall Subscriber Organization commence any construction, operation or maintenance of the Facility or interconnection of the Facility to the Company System, without first obtaining the required, applicable Governmental Approvals.
- 11.2 Land Rights for Facility. Subscriber Organization shall obtain, at its expense, any and all Land Rights required for the construction, ownership, operation and maintenance of the Facility on the Site and the interconnection of the Facility to the Company System. Subscriber Organization shall provide to Company:
- (a) No later than the Execution Date, copies of the documents, recorded, if required by Company (including but not limited to any agreements with landowners) evidencing Subscriber Organization's Land Rights establishing the right of Subscriber Organization to construct, own, operate and maintain the Facility on the Site, whether by fee simple ownership of the Site, leasehold interest of the Site for a term at least as long as the Term of this Agreement or, in the alternative for actual fee simple or leasehold interest in the Site, a binding, executed letter of intent establishing the right of Subscriber Organization to enter into a lease for the Site subject only to reasonable conditions related to PUC approval of this Agreement and such conditions that shall not affect the ability of the Subscriber Organization to execute such lease.
  - (b) Within six (6) months of the Execution Date, Subscriber Organization shall provide to Company a current survey (dated no earlier than the Execution Date) for the Site and any other property identified by Subscriber Organization as requiring Land Rights. Within four (4) months of the Execution Date, Subscriber Organization shall provide to Company (i) a preliminary title report

(dated no earlier than the Execution Date) for the Site and any other property identified by Subscriber Organization as requiring Land Rights, (ii) copies of all Land Rights already obtained, and (iii) a current list identifying all Land Rights required for the construction, ownership, operation and maintenance of the Facility and the interconnection of the Facility to the Company System, including Subscriber Organization's status as to whether such Land Rights have been obtained, have been negotiated or not yet pursued and if so, an estimated date when such Land Rights would be pursued;

- (c) Within three (3) months of Subscriber Organization's identification of such additional necessary Land Rights, copies of such completed Land Rights, if any;

provided, however, that under no circumstance shall Subscriber Organization commence any construction, operation or maintenance of the Facility or interconnection of the Facility to the Company System, or require or permit Company to commence any such construction, without Subscriber Organization first obtaining the required, applicable Land Rights.

Subscriber Organization shall bear complete responsibility for all delays in construction, operation and maintenance of the Facility or the interconnection of the Facility to the Company System resulting from Subscriber Organization's failure to identify and/or timely obtain necessary Land Rights. In each case, such Land Rights documents may be redacted but only to the extent required to prevent disclosure of confidential or proprietary information of Subscriber Organization or the counterparty to such agreement. Under no circumstances shall such redactions conceal information that is necessary for the Company to determine whether such documents establish the Land Rights of Subscriber Organization to construct, own, operate and maintain the Facility on the Site and the interconnection of the Facility to the Company System in accordance with the terms of this Agreement.

- 11.3 Company-Owned Interconnection Facilities. If the Company-Owned Interconnection Facilities are to be constructed by Company, Subscriber Organization shall, prior to commencement of construction thereof, provide the necessary Governmental Approvals and Land Rights for the construction, ownership, operation and maintenance of Company-Owned

Interconnection Facilities. If the Company-Owned Interconnection Facilities are to be constructed by Subscriber Organization, then Subscriber Organization shall provide the necessary Governmental Approvals and Land Rights required for the commencement of construction and, prior to the start of each subsequent phase of construction, Subscriber Organization shall provide the necessary and appropriate Governmental Approvals and Land Rights necessary for such related construction activity. Regardless of whether Company or Subscriber Organization constructs the Company-Owned Interconnection Facilities, Subscriber Organization shall provide Company with an accounting of all necessary Governmental Approvals (in a list or spreadsheet) at the commencement of construction including relevant information regarding status and estimated completion. Subscriber Organization shall update Company on the status of all necessary Governmental Approvals, including the addition of any new Governmental Approvals that may be discovered and required, in Subscriber Organization's Monthly Progress Report submitted to Company. Notwithstanding the above, to the extent not already provided to Company, all required Governmental Approvals for the Company-Owned Interconnection Facilities shall be provided to Company on the Transfer Date in accordance Section 9 (Governmental Approvals for Company-Owned Interconnection Facilities) of Attachment G (Company-Owned Interconnection Facilities). Land Rights for Company-Owned Interconnection Facilities, whether provided at the commencement of construction if to be constructed by Company, or thereafter, if to be constructed by Subscriber Organization, shall be obtained and its status updated by Subscriber Organization to Company in accordance with Section 10 (Land Rights) of Attachment G (Company-Owned Interconnection Facilities). Notwithstanding the above, under no circumstance shall Subscriber Organization commence any construction, operation or maintenance of the Company-Owned Interconnection Facilities, or require or permit Company to commence any such construction, without first obtaining the required, applicable Governmental Approvals and Land Rights. Subscriber Organization shall bear complete responsibility for all delays in construction, operation and maintenance of the Company-Owned Interconnection Facilities resulting from Subscriber Organization's failure to identify and/or timely obtain necessary Governmental Approvals and Land Rights for such Company-Owned Interconnection Facilities.

11.4 Compliance With Laws. Subscriber Organization shall at all times comply with all applicable Laws and shall be responsible for all costs and expenses associated therewith.

ARTICLE 12  
TERM OF AGREEMENT AND COMPANY'S  
OPTION TO PURCHASE AT END OF TERM

- 12.1 Term. Subject to Section 12.2 (Effectiveness of Obligations) of this Agreement, the initial term of this Agreement shall commence upon the Execution Date of this Agreement and, unless terminated sooner as provided in this Agreement, shall remain in effect for [twenty **(20)** Contract Years] following the Commercial Operations Date (the "Initial Term"). This Agreement shall automatically terminate upon expiration of the Initial Term. If the Parties desire, the Parties may negotiate terms and conditions of an extension term ("Extended Term"), including reduced Contract Pricing in recognition that Subscriber Organization will have recovered its capital and financing costs, which terms and conditions (i) shall be submitted to the PUC by Company for approval no later than one (1) year prior to the expiration of the Initial Term and (ii) shall have no effect without PUC approval.
- 12.2 Effectiveness of Obligations. Only Article 3 (Facility Owned and/or Operated by Subscriber Organization), Article 12 (Term of Agreement and Company's Option to Purchase at End of Term), Article 14 (Credit Assurance and Security) as it relates to Development Period Security, Article 17 (Indemnification), Article 19 (Transfers, Assignments, and Facility Debt), Article 22 (Warranties and Representations), Article 24 (Financial Compliance), Article 28 (Dispute Resolution), Article 29 (Miscellaneous), Section 3 (Subscriber Organization Payment To Company for Company-Owned Interconnection Facilities and Review Of Facility) of Attachment G (Company-Owned Interconnection Facilities) and the Defined Terms of this Agreement shall become effective on the Execution Date. Except where obligations of the Parties are explicitly stated as being effective before the Effective Date, all other portions of this Agreement shall become effective on the Effective Date.
- 12.3 PUC Approval.
- (a) This Agreement is subject to approval by the PUC in the form of a satisfactory PUC Approval Order and the Parties' respective obligations hereunder are conditioned upon receipt of such approval, except as specifically provided otherwise herein. Upon the Execution Date of this Agreement, the Parties shall use

good faith efforts to obtain, as soon as practicable, a PUC Approval Order that satisfies the requirements of Section 29.20(a) (PUC Approval Order). Company shall submit to the PUC an application for a satisfactory PUC Approval Order but does not extend any assurances that a PUC Approval will ultimately be obtained. Subscriber Organization will provide reasonable cooperation to expedite obtaining a PUC Approval Order including timely providing information requested by Company to support its application, including information for Company and its consultant to conduct a greenhouse gas emissions analysis for the PUC application, as well as information requested by the PUC and parties to the PUC proceeding in which approval is being sought. Subscriber Organization understands that lack of cooperation may result in Company's inability to file an application with the PUC and/or a failure to receive a PUC Approval Order. For the avoidance of doubt, Company has no obligation to seek reconsideration, appeal, or other administrative or judicial review of any Unfavorable PUC Order. The Parties agree that neither Party has control over whether or not a PUC Approval Order will be issued and each Party hereby assumes any and all risks arising from, or relating in any way to, the inability to obtain a satisfactory PUC Approval Order and hereby releases the other Party from any and all claims relating thereto.

- (b) Subscriber Organization shall seek participation without intervention in the PUC docket for approval of this Agreement pursuant to applicable rules and orders of the PUC. The scope of Subscriber Organization's participation shall be determined by the PUC. However, Subscriber Organization expressly agrees to seek participation for the limited purpose and only to the extent necessary to assist the PUC in making an informed decision regarding the approval of this Agreement. If the Subscriber Organization chooses not to seek participation in the docket, then Subscriber Organization expressly agrees and knowingly waives any right to claim, before the PUC, in any court, arbitration or other proceeding, that the information submitted and the arguments offered by Company in support of the application requesting the PUC Approval Order are insufficient to meet Company's burden of justifying that the terms of this Agreement are just and reasonable and in the public interest, or otherwise

deficient in any manner for purposes of supporting the PUC's approval of this Agreement. Subscriber Organization shall not seek in the docket and Company shall not disclose any confidential information to Subscriber Organization that would provide Subscriber Organization with an unfair business advantage or would otherwise harm the position of others with respect to their ability to compete on equal and fair terms.

12.4 Interconnection Requirements Study. If this Agreement is executed prior to completion of the Interconnection Requirements Study, then following the completion of the IRS:

- (a) The Parties shall, no later than the PPA Amendment Deadline, execute a formal amendment to this Agreement substituting new versions of Attachment B (Facility Owned by Subscriber Organization), Attachment E (Single-Line Drawing and Interface Block Diagram), Attachment F (Relay List and Trip Scheme), Attachment G (Company-Owned Interconnection Facilities), Attachment K (Guaranteed Project Milestones), Attachment K-1 (Subscriber Organization's Conditions Precedent and Company Milestones) and Attachment L (Reporting Milestones) (the "Interconnection Requirements Amendment") to reflect the results of the IRS. If the Interconnection Requirements Amendment is not executed by the PPA Amendment Deadline, either Party may, by written notice delivered to the other Party, declare the Agreement null and void; or
- (b) If Subscriber Organization is dissatisfied with the results of the IRS, Subscriber Organization shall have the option, by written notice delivered to Company no later than the Termination Deadline, to declare this Agreement null and void. Failure of Subscriber Organization to declare this Agreement null and void pursuant to the preceding sentence shall not obligate Subscriber Organization to execute the Interconnection Requirements Amendment.

12.5 Prior to Effective Date. Company may, by written notice delivered prior to the Effective Date, declare the Agreement null and void if any one or more of the following conditions applies:



- (a) Subscriber Organization implements a material change to the Facility without following the requirements of Section 5(g) of Attachment A (Description of Generation, Conversion and Storage Facility).
- (b) Subscriber Organization is in material breach of any of its representations, warranties and covenants under the Agreement, including, but not limited to, (i) the provisions of Section 22.2(c) and Section 22.2(d) requiring Subscriber Organization to have all Land Rights and Governmental Approvals as provided therein; and (ii) the provisions of Section 3(b)(ii) (Company-Owned Interconnection Facilities Prepayment) of Attachment G (Company-Owned Interconnection Facilities) requiring the payment by Subscriber Organization to Company of the amounts specified within the time periods provided therein.
- (c) Subscriber Organization, subsequent to making the payment to Company required under Section 3(b)(ii) (Company-Owned Interconnection Facilities Prepayment) of Attachment G (Company-Owned Interconnection Facilities), or subsequent to making the payment to Company to pay for the IRS, requests in writing that Company stop or otherwise delay the performance of the work for which Company received such payment.
- (d) Any of the IRS Letter Agreements are terminated pursuant to the terms thereof prior to the completion of the Interconnection Requirements Study.

12.6 Time Periods for PUC Submittal Date and PUC Approval.

- (a) Time Period for PUC Submittal Date. If the PUC Submittal Date has not occurred within 120 Days of the Execution Date, or such longer period as Company and Subscriber Organization may agree to by a subsequent written agreement, Company may, by written notice delivered within thirty (30) Days of the expiration of such period, declare the Agreement null and void if the reason the application has not been filed is (i) any one or more of the conditions set forth in Section 12.5 (Prior to Effective Date) or (ii) Subscriber Organization's failure to provide in a timely manner information reasonably requested by Company to support such application.

(b) Time Period for PUC Approval. If the Commission issues an Unfavorable PUC Order or if a PUC Approval Order is not issued within twelve (12) months of the PUC Submittal Date, or within such longer period as Company and Subscriber Organization may agree to by a written agreement ("PUC Approval Time Period"), then Company or Subscriber Organization may, by written notice delivered within one hundred and eighty (180) Days of (i) in the case that an Unfavorable PUC Order has been issued, the date the Unfavorable PUC Order becomes non-appealable or (ii) in the case that a PUC Approval Order is not issued within twelve (12) months of the PUC Submittal Date, or the expiration of the PUC Approval Time Period, as applicable, declare this Agreement null and void. If a PUC Approval Order or an Unfavorable PUC Order is issued within the PUC Approval Time Period but that order is appealed, and a Non-appealable PUC Approval Order is not obtained within twenty-four (24) months of the PUC Submittal Date, or within such longer period as Company and Subscriber Organization may agree to by a subsequent written agreement (the "PUC Order Appeal Period"), then Company or Subscriber Organization may, by written notice delivered within ninety (90) Days after the expiration of the PUC Order Appeal Period, declare this Agreement null and void.

12.7 Agreement Null and Void. If the Agreement is declared null and void pursuant to Section 12.4 (Interconnection Requirements Study), Section 12.5 (Prior to Effective Date), Section 12.6 (Time Periods for PUC Submittal Date and PUC Approval), or Section 1(d) (NEP IE Estimate, Liquidated Damages and Subscriber Organization's Null and Void Right) of said Attachment U (Calculation and Adjustment of Net Energy Potential), the Parties hereto shall thereafter be free of all obligations hereunder except as set forth in this Section 12.7 (Agreement Null and Void) and Section 14.3 (Return of Development Period Security), and shall pursue no further remedies against one another; provided, however, that if in response to Subscriber Organization's request and Subscriber Organization's offer of adequate assurance of reimbursement, Company agrees in writing to incur costs associated with Company-Owned Interconnection Facilities prior to the Non-appealable PUC Approval Order Date or completion of the IRS, Subscriber Organization shall pay Company the actual costs and cost obligations incurred by Company as of the date the Agreement is declared null and void for Company-Owned Interconnection Facilities and any

reasonable costs incurred thereafter and Company shall refund to Subscriber Organization any amounts advanced by Subscriber Organization in excess of such costs. A declaration that this Agreement is null and void pursuant to Section 12.4 (Interconnection Requirements Study), Section 12.5 (Prior to Effective Date), Section 12.6 (Time Periods for PUC Submittal Date and PUC Approval), or Section 1(d) (NEP IE Estimate, Liquidated Damages and Subscriber Organization's Null and Void Right) of said Attachment U (Calculation and Adjustment of Net Energy Potential), shall not affect the following provisions, which shall remain in full force and effect: Section 12.2 (Effectiveness of Obligations), this Section 12.7 (Agreement Null and Void), Section 24.2 (Confidentiality), Article 28 (Dispute Resolution), Section 29.3 (Notices), Section 29.8 (Governing Law, Jurisdiction and Venue), Section 29.14 (Settlement of Disputes), Section 29.19 (Computation of Time), Section 29.23 (No Third Party Beneficiaries), Section 29.24 (Hawai'i General Excise Tax), and Section 7 (Land Restoration) of Attachment G (Company-Owned Interconnection Facilities).

- 12.8 Termination Rights. Notwithstanding any of the foregoing, the right of Company or Subscriber Organization to terminate the Agreement at any time upon the occurrence of any Event of Default described in Article 15 (Events of Default) shall remain in full force and effect.
- 12.9 Option to Purchase Facility and Right of First Negotiation. Company shall have the right of first negotiation prior to the end of the Term and option to purchase the Facility at the end of the Term, as provided in Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

ARTICLE 13  
GUARANTEED PROJECT MILESTONES  
INCLUDING COMMERCIAL OPERATIONS

**[COMPANY TO DECIDE, FOLLOWING COMPLETION OF IRS, IF ANY GUARANTEED PROJECT MILESTONES ARE NECESSARY IN ADDITION TO THOSE LISTED IN ATTACHMENT K AND, IF SO, WHAT ARE THE CONSEQUENCES OF MISSING SUCH OTHER GUARANTEED PROJECT MILESTONES.]**

- 13.1 Time is of the Essence. Time is of the essence of this Agreement, and Subscriber Organization's ability to achieve the Construction Milestones is critically important.
- 13.2 Failure to Meet Reporting Milestones. If Subscriber Organization does not meet a Reporting Milestone, in each case as set forth in Attachment L (Reporting Milestones), Subscriber Organization shall submit to Company, within ten (10) Business Days of any such missed Reporting Milestone, a remedial action plan which shall provide a detailed description of Subscriber Organization's course of action and plan to achieve (i) the missed Reporting Milestone date within ninety (90) Days of the missed Reporting Milestone and (ii) all subsequent Construction Milestones, provided that delivery of any remedial action plan shall not relieve Subscriber Organization of its obligation to meet any subsequent Construction Milestones.
- 13.3 Guaranteed Project and Reporting Milestone Dates. Subscriber Organization shall achieve each Guaranteed Project Milestone Date or Reporting Milestone Date, subject (to the extent applicable) to the following extensions:
- (a) if the PUC Approval Order Date occurs more than one hundred eighty (180) Days after the Execution Date, Subscriber Organization and Company shall be entitled to an extension of the Guaranteed Project Milestone Dates, Reporting Milestone Dates equal to the number of Days that elapse between the end of the aforesaid 180-Day period and the PUC Approval Order Date; provided, that in no event will the Guaranteed Commercial Operations Date be extended beyond                      **[Note - outside date to be inserted based on type of proposal]**; or
  - (b) if the failure to achieve a Construction Milestone by the applicable Guaranteed Project Milestone Date or Reporting Milestone Date is the result of Force Majeure (which, for purposes of this Section 13.3(b) excludes

any delay in obtaining the PUC Approval Order because that contingency is addressed in Section 13.3(a) above), and if and so long as the conditions set forth in Section 21.4 (Satisfaction of Certain Conditions) are satisfied, such Guaranteed Project Milestone Date or Reporting Milestone Date shall be extended by a period equal to the lesser of three hundred sixty-five (365) Days or the duration of the delay caused by the Force Majeure; or

- (c) if the failure to achieve a Guaranteed Project Milestone by the applicable Guaranteed Project Milestone Date is the result of any failure by Company in the timely performance of its obligations under this Agreement, including achievement of its Company Milestones by the Company Milestone Dates as set forth on Attachment K-1 (Subscriber Organization's Conditions Precedent and Company Milestones), as such dates may be extended in accordance with Section 13.3 (Guaranteed Project and Reporting Milestone Dates) and Section 13.8 (Company Milestones), Subscriber Organization shall, provided Subscriber Organization has satisfied the Subscriber Organization's Conditions Precedent set forth in Attachment K-1 (Subscriber Organization's Conditions Precedent and Company Milestones) by the respective Subscriber Organization's Conditions Precedent Date set forth in said Attachment K-1, be entitled to an extension of such Guaranteed Project Milestone Date equal to the duration of the period of delay directly caused by such failure in Company's timely performance. Such extension on the terms described above shall be Subscriber Organization's sole remedy for any such failure by Company. For purposes of this Section 13.3(c), Company's performance will be deemed to be "timely" if it is accomplished within the time period specified in this Agreement with respect to such performance or, if no time period is specified, within a reasonable period of time. If the performance in question is Company's review of plans, the determination of what is a "reasonable period of time" will take into account Company's past practices in reviewing and commenting on plans for similar facilities.

#### 13.4 Damages and Termination.

- (a) Daily Delay Damages.

- (1) If a Guaranteed Project Milestone (other than Commercial Operations) has not been achieved by the applicable Guaranteed Project Milestone Date as extended as provided in Section 13.3 (Guaranteed Project and Reporting Milestone Dates), Company shall collect and Subscriber Organization shall pay liquidated damages in the amount of [REDACTED] for each Day ("Daily Delay Damages") following the applicable Guaranteed Project Milestone Date, as extended in accordance with Section 13.3 (Guaranteed Project and Reporting Milestone Dates); provided, however, that the number of Days for which Company shall collect and Subscriber Organization shall pay Daily Delay Damages for a failure to achieve a Guaranteed Project Milestone by the Guaranteed Project Milestone Date shall not exceed sixty (60) Days for each such missed Guaranteed Project Milestone Date (the "Construction Delay LD Period"). **[Note: Contract Capacity x \$50/kW ÷ 180 Days = Daily Delay Damages.]**
- (2) If the Commercial Operations Date has not been achieved by the Guaranteed Commercial Operations Date as extended as provided in Section 13.3 (Guaranteed Project and Reporting Milestone Dates), in addition to any Daily Delay Damages collected pursuant to Section 13.4(a)(1), Company shall collect and Subscriber Organization shall pay Daily Delay Damages following the Guaranteed Commercial Operations Date, as such date may be extended in accordance with Section 13.3 (Guaranteed Project and Reporting Milestone Dates), provided that the number of Days for which Company shall collect and Subscriber Organization shall pay Daily Delay Damages for failing to achieve the Guaranteed Commercial Operations Date shall not exceed one hundred eighty (180) Days (the "COD Delay LD Period").
- (b) Termination and Termination Damages for Failure to Achieve a Guaranteed Project Milestone Date. If, upon the expiration of the Construction Delay LD Period or the COD Delay LD Period, as applicable, Subscriber Organization has not achieved the applicable Guaranteed Project Milestone, Company shall have the right, notwithstanding any other provision of this Agreement to

the contrary, to terminate this Agreement with immediate effect by issuing a written termination notice to Subscriber Organization designating the Day such termination is to be effective, provided that Company shall issue such notice no later than thirty (30) Days following the expiration of the Construction Delay LD Period or the COD Delay LD Period, as applicable. The effective date of such termination shall be not later than the date that is thirty (30) Days after such notice is deemed to be received by Subscriber Organization, and not earlier than the later to occur of the Day such notice is deemed to be received by Subscriber Organization or the Day following the expiration of the Construction Delay LD Period or the COD Delay LD Period, as applicable. If the Agreement is terminated by Company pursuant to this Section 13.4 (Damages and Termination), Company shall have the right to collect Termination Damages, which shall be calculated in accordance with Article 16 (Damages in the Event of Termination by Company) of this Agreement.

- 13.5 Payment of Daily Delay Damages. Company shall draw upon the Development Period Security on a monthly basis for payment of the total Daily Delay Damages incurred by Subscriber Organization during the preceding calendar month. If the Development Period Security is at any time insufficient to pay the amount of the draw to which Company is then entitled, Subscriber Organization shall pay any such deficiency to Company promptly upon demand.
- 13.6 Liquidated Damages Appropriate. Subscriber Organization's inability to achieve Commercial Operations by the Guaranteed Commercial Operations Date may cause Company to not meet applicable RPS requirements and require Company to devote substantial additional resources for administration and oversight activities. As such, Company may incur financial consequences for failure to meet such requirements. Consequently, each Party agrees and acknowledges that (i) the damages that Company would incur due to delay in achieving Commercial Operations by the Guaranteed Commercial Operations Date (subject to the extensions provided in Section 13.3 (Guaranteed Project and Reporting Milestone Dates)) would be difficult or impossible to calculate with certainty, (ii) the Daily Delay Damages set forth in Section 13.4 (Damages and Termination) are an appropriate approximation of such damages and (iii) the Daily Delay Damages are the sole and exclusive remedies for Subscriber

Organization's failure to achieve Commercial Operations by the Guaranteed Commercial Operations Date.

- 13.7 Monthly Progress Reports. Commencing upon the Execution Date of this Agreement, Subscriber Organization shall submit to Company, on the tenth (10<sup>th</sup>) Business Day of each calendar month until the Commercial Operations Date is achieved, a progress report for the prior month in a form set forth on Attachment S (Form of Monthly Progress Report) (the "Monthly Progress Report"). These progress reports shall notify Company of the current status of each Construction Milestone. Subscriber Organization shall include in such report a list of all letters, notices, applications, filings and Governmental Approvals sent to or received from any Governmental Authority and shall provide any such documents as may be reasonably requested by Company. In addition, Subscriber Organization shall advise Company as soon as reasonably practicable of any problems or issues of which it is aware which may materially impact its ability to meet the Construction Milestones. Subscriber Organization shall provide Company with any requested documentation to support the achievement of Construction Milestones within ten (10) Business Days of receipt of such request from Company. Upon the occurrence of a Force Majeure, Subscriber Organization shall also comply with the requirements of Section 21.4 (Satisfaction of Certain Conditions) to the extent such requirements provide for communications to Company beyond those required under this Section 13.7 (Monthly Progress Reports).
- 13.8 Company Milestones. Company's obligation to achieve the Company Milestones is contingent upon Subscriber Organization completing the Subscriber Organization's Conditions Precedent set forth in Attachment K-1 (Company Milestones and Subscriber Organization's Conditions Precedent). Company shall achieve each of the Company Milestones by the date set forth for such Company Milestones in Attachment K-1 (Subscriber Organization's Conditions Precedent and Company Milestones) of this Agreement (each such date, a "Company Milestone Date"), as such date may be extended in accordance with Section 13.3 (Guaranteed Project and Reporting Milestone Dates) and this Section 13.8 (Company Milestones); provided, however in the event Subscriber Organization does not complete a Subscriber Organization's Condition Precedent on or before the applicable date set forth in Attachment K-1 (Subscriber Organization's Conditions Precedent and Company Milestones),



subject to the extensions set forth in Section 13.3 (Guaranteed Project and Reporting Milestone Dates), Company shall be entitled to an extension as follows: (i) for the commencement of Acceptance Testing, the new Company Milestone Date shall be as set forth in clause "(gg)" of Section 2(f)(i) of Attachment G (Company-Owned Interconnection Facilities); and (ii) for any other Company Milestone Date, the extension shall be for the period of time reasonably necessary to meet any such Company Milestone Date adversely affected by Subscriber Organization's failure but no shorter than a day-for-day extension.

ARTICLE 14  
CREDIT ASSURANCE AND SECURITY

- 14.1 General. Subscriber Organization is required to post and maintain Development Period Security and Operating Period Security based on the requirements of this Article 14 (Credit Assurance and Security).
- 14.2 Development Period Security. To guarantee undertaking the performance of Subscriber Organization's obligations under the Agreement for the period prior to the Commercial Operations Date (including but not limited to Subscriber Organization's obligation to meet the Guaranteed Commercial Operations Date), Subscriber Organization shall provide 50% of the Development Period Security to Company within ten (10) Days of Execution Date of the Agreement and the remaining 50% of the Development Period Security within ten (10) Business Days of the execution of the Interconnection Requirements Amendment.
- 14.3 Return of Development Period Security. The Development Period Security shall be returned to Subscriber Organization, subject to Company's right to draw from the Development Period Security as set forth in Section 14.7 (Company's Right to Draw from Security Funds), in the following circumstances: (i) this Agreement is declared null and void pursuant to any of Section 12.4 (Interconnection Requirements Study), Section 12.5 (Prior to Effective Date), Section 12.6 (Time Periods for PUC Submittal Date and PUC Approval) or Section 1(d) (NEP IE Estimate, Liquidated Damages and Subscriber Organization's Null and Void Right) of said Attachment U (Calculation and Adjustment of Net Energy Potential); (ii) the PUC issues an order denying approval for an application for a PUC Approval Order, which does not become subject to appeal; (iii) the PUC issues an Unfavorable PUC Order, which does not become subject to appeal; (iv) a Non-Appealable PUC Approval Order is not obtained within the time periods specified in Section 12.6(b) (Time Period for PUC Approval); or (v) following Company's receipt of Operating Period Security pursuant to Section 14.4 (Operating Period Security) of this Agreement.
- 14.4 Operating Period Security. To guarantee the performance of Subscriber Organization's obligations under the Agreement for the period starting from the Commercial Operations Date to the expiration or termination of this Agreement, Subscriber Organization shall provide satisfactory operating

period security to Company in the amount of \$75/kW based on the Contract Capacity (the "Operating Period Security"). Subscriber Organization shall provide such Operating Period Security to Company within five (5) Business Days after the Commercial Operations Date, provided that, at all times, some form of Security Funds shall be in place and available to Company, whether Development Period Security or Operating Period Security.

- 14.5 Form of Security. Subscriber Organization shall supply the Development Period and Operating Period Security required in the form of an irrevocable standby letter of credit with no documentation requirement substantially in the form attached to this Agreement as Attachment M (Form of Letter of Credit) from a bank chartered in the United States with a credit rating of "A-" or better. If the rating (as measured by Standard & Poor's) of the bank issuing the standby letter of credit falls below A-, Company may require Subscriber Organization to replace, within thirty (30) Days' notice by Company, the standby letter of credit with a standby letter of credit from another bank chartered in the United States with a credit rating of "A-" or better. Such letter of credit shall be issued for a minimum term of one (1) year. Furthermore, at the end of each year the security shall be renewed for an additional one (1) year term so that at the time of such renewal, the remaining term of any such security shall not be less than one (1) year. The letter of credit shall include a provision for at least thirty (30) Days advance notice to Company and Subscriber Organization of any expiration or earlier termination of the letter of credit so as to allow Company sufficient time to exercise its rights under said security if Subscriber Organization fails to extend or replace the security. In all cases, the reasonable costs and expenses of establishing, renewing, substituting, canceling, increasing, reducing, or otherwise administering the letter of credit shall be borne by Subscriber Organization. In the event Company receives notice from the issuing bank that a letter of credit for the Development Period Security or Operating Period Security will be cancelled or is set to expire and will not be extended, Company shall endeavor, but shall not be obligated, to provide Subscriber Organization with notice of such cancellation or termination. Company shall not be responsible for any lack of notice to Subscriber Organization of such letter of credit's cancellation or termination and the events resulting therefrom, provided, however, that if Company draws upon the then full amount

remaining under the letter of credit, the provisions of Section 14.8 (Failure to Renew or Extend Letter of Credit) and Section 14.9 (L/C Proceeds Escrow) shall apply. In the event the letter of credit for Development Period Security or Operating Period Security ever expires or is terminated without Company drawing on such full amount remaining under the letter of credit prior to its expiration, and Subscriber Organization has not been afforded the opportunity to replace the letter of credit prior to its expiration or termination because of lack of notice, Subscriber Organization shall be provided a grace period of five (5) Business Days from any notice of such expiration or termination of the letter of credit to obtain and provide to Company a substitute letter of credit meeting the requirements of this Article 14 (Credit Assurance and Security).

14.6 Security Funds. The Development Period Security and Operating Period Security, including L/C Proceeds therefrom (collectively referred to as the "Security Funds") established, funded, and maintained by Subscriber Organization pursuant to the provisions of this Article 14 (Credit Assurance and Security) shall provide security for the performance of Subscriber Organization's obligations under this Agreement and shall be available to be drawn on by Company as provided in Section 14.7 (Company's Right to Draw from Security Funds). Subscriber Organization shall maintain the Security Funds at the contractually-required level throughout the Term of this Agreement. Subscriber Organization shall replenish the Security Funds to such required level within fifteen (15) Business Days after any draw on the Security Funds by Company or any reduction in the value of Security Funds below the required level for any other reason. Notwithstanding the foregoing, Subscriber Organization's obligation to replenish the Development Period Security shall not exceed in total three (3) times the original amount of the Development Period Security required under Section 14.2 (Development Period Security) of this Agreement.

14.7 Company's Right to Draw from Security Funds. In addition to any other remedy available to it, Company may, before or after termination of this Agreement, draw from the Security Funds such amounts as are necessary to recover amounts Company is owed pursuant to this Agreement or the IRS Letter Agreements, including, without limitation, any damages due Company, any interconnection costs owed pursuant to

Attachment G (Company-Owned Interconnection Facilities) and any amounts for which Company is entitled to indemnification under this Agreement. Company may, in its sole discretion, draw all or any part of such amounts due Company from any of the Security Funds to the extent available pursuant to this Article 14 (Credit Assurance and Security), and from all such forms, and in any sequence Company may select. Any failure to draw upon the Security Funds or other security for any damages or other amounts due Company shall not prejudice Company's rights to recover such damages or amounts in any other manner.

14.8 Failure to Renew or Extend Letter of Credit. If the letter of credit is not renewed or extended at least thirty (30) Days prior to its expiration or earlier termination, Company shall have the right to draw immediately upon the full amount of the letter of credit and to place the proceeds of such draw (the "L/C Proceeds"), at Subscriber Organization's cost, in an escrow account in accordance with Section 14.9 (L/C Proceeds Escrow), until and unless Subscriber Organization provides a substitute letter of credit meeting the requirements of this Article 14 (Credit Assurance and Security).

14.9 L/C Proceeds Escrow. If Company draws on the letter of credit pursuant to Section 14.8 (Failure to Renew or Extend Letter of Credit), and so long as a substitute letter of credit meeting the requirements of this Article 14 (Credit Assurance and Security) is not obtained and provided to Company, Company shall, in order to avoid comingling the L/C Proceeds, have the right but not the obligation to place the L/C Proceeds in an escrow account as provided in this Section 14.9 (L/C Proceeds Escrow) with a reputable escrow agent acceptable to Company ("Escrow Agent"). Without limitation to the generality of the foregoing, a federally-insured bank shall be deemed to be a "reputable escrow agent." Company shall have the right to apply the L/C Proceeds as necessary to recover amounts Company is owed pursuant to this Agreement or the IRS Letter Agreements, including, without limitation, any damages due Company, any interconnection costs owed pursuant to Attachment G (Company-Owned Interconnection Facilities) and any amounts for which Company is entitled to indemnification under this Agreement. To that end, the documentation governing such escrow account shall be in form and content satisfactory to Company and shall give Company the sole authority to draw from the account. Subscriber Organization shall not be a

party to such documentation and shall have no rights to the L/C Proceeds. Upon full satisfaction of Subscriber Organization's obligations under this Agreement, including recovery by Company of amounts owed to it under this Agreement, Company shall instruct the Escrow Agent to remit to the bank that issued the letter of credit that was the source of the L/C Proceeds the remaining balance (if any) of the L/C Proceeds. If there is more than one escrow account with L/C Proceeds, Company may, in its sole discretion, draw on such accounts in any sequence Company may select. Any failure to draw upon the L/C Proceeds for any damages or other amounts due Company shall not prejudice Company's rights to recover such damages or amounts in any other manner. If a substitute letter of credit satisfying the requirements of this Article 14 (Credit Assurance and Security) is obtained and provided to Company, the net L/C Proceeds remaining as of the date that such substitute letter of credit is provided, shall be returned to Subscriber Organization, or as Subscriber Organization directs in writing.

- 14.10 Release of Security Funds. Promptly following the end of the Term, and the complete performance of all of Subscriber Organization's obligations under this Agreement, including but not limited to the obligation to pay any and all amounts owed by Subscriber Organization to Company under this Agreement, Company shall release the Security Funds to Subscriber Organization.

ARTICLE 15  
EVENTS OF DEFAULT

- 15.1 Events of Default by Subscriber Organization. The occurrence of any of the following shall constitute an Event of Default by Subscriber Organization:
- (a) if at any time during the Term, Subscriber Organization delivers or attempts to deliver to the Point of Interconnection for sale under this Agreement electric energy that was not generated by the Facility;
  - (b) if at any time subsequent to the Commercial Operations Date, the PV System Equivalent Availability Factor is less than **84%** for each of three consecutive Contract Years;
  - (c) if at any time subsequent to the Commercial Operations Date, the Measured Performance Ratio for each of three consecutive Contract Years falls below the Tier 2 Bandwidth for such Contract Year;
  - (d) if at any time subsequent to the Commercial Operations Date, the Subscriber Organization fails to demonstrate satisfaction of the BESS Capacity Performance Metric prior to the expiration of the BESS Capacity Cure Period;
  - (e) if at any time subsequent to the Commercial Operations Date, the Subscriber Organization fails to achieve a BESS Annual Equivalent Availability Factor of not less than **75%** for each of four (4) consecutive BESS Measurement Periods as provided in Section 2.8(b) (BESS Guaranteed Availability Termination Date);
  - (f) if at any time subsequent to the Commercial Operations Date, the Subscriber Organization fails to demonstrate satisfaction of the RTE Performance Metric prior to the expiration of the RTE Cure Period;
  - (g) if at any time subsequent to the Commercial Operations Date, the Facility is unavailable to provide electric energy in response to Company Dispatch for a period of three hundred sixty-five (365) or more consecutive Days;
  - (h) if at any time during the Term, Subscriber Organization fails to satisfy the requirements of Article 14 (Credit Assurance and Security) of this Agreement;

- (i) if at any time during the Term, Subscriber Organization fails to comply with the requirements of Section 19.1 (Sale of Facility) and Attachment P (Sale of Facility by Subscriber Organization);
- (j) if at any time during the Term, Subscriber Organization fails to comply with the requirements of Attachment Q (Facility's CBRE Program); or
- (k) if at any time subsequent to the Commercial Operations Date, Subscriber Organization fails to install, operate, maintain, or repair the Facility in accordance with Good Engineering and Operating Practices if such failure is not cured within thirty (30) Days after written notice of such failure from Company unless such failure cannot be cured within said thirty (30) Day period and Subscriber Organization is making commercially reasonable efforts to cure such failure, in which case Subscriber Organization shall have a cure period of three hundred sixty-five (365) Days after Company's written notice of such failure.

15.2 Events of Default by a Party. The occurrence of any of the following during the Term of the Agreement shall constitute an Event of Default by the Party responsible for the failure, action or breach in question:

- (a) The failure to make any payment required pursuant to this Agreement when due if such failure is not cured within ten (10) Business Days after written notice is received by the Party failing to make such payment;
- (b) Any representation or warranty made by such Party herein is false and misleading in any material respect when made;
- (c) Such Party becomes insolvent, or makes an assignment for the benefit of creditors (other than an assignment to a Facility Lender pursuant to the Financing Documents) or fails generally to pay its debts as they become due; or such Party shall have an order for relief in an involuntary case under the bankruptcy laws as now or hereafter constituted entered against it, or shall commence a voluntary case under the bankruptcy laws as now or hereafter constituted, or shall file any petition or answer seeking for itself any arrangement, composition, adjustment, liquidation, dissolution or



similar relief to which it may be entitled under any present or future statute, law or regulation, or shall file any answer admitting the material allegations of any petition filed against it in such proceeding; or such Party seeks or consents to or acquiesces in the appointment of or taking possession by, any custodian, trustee, receiver or liquidator of it or of all or a substantial part of its properties or assets; or such Party takes action looking to its dissolution or liquidation; or within ninety (90) Days after commencement of any proceedings against such Party seeking any arrangement, composition, adjustment, liquidation, dissolution or similar relief under any present or future statute, law or regulation, such proceedings shall not have been dismissed; or within ninety (90) Days after the appointment of, or taking possession by, any custodian, trustee, receiver or liquidator of any or of all or a substantial part of the properties or assets of such Party, without the consent or acquiescence of such Party, any such appointment or possession shall not have been vacated or terminated;

- (d) Such Party engages in or is the subject of a transaction requiring the prior written consent of the other Party under Section 19.2 (Assignment by Subscriber Organization) or Section 19.7 (Assignment By Company) (as applicable) without having obtained such consent;
- (e) Such Party fails to comply with either (i) decision under Article 28 (Dispute Resolution), (ii) or an Independent Evaluator's decision under Article 23 (Process for Addressing Revisions to Performance Standards), in either case within thirty (30) Days after such decision becomes binding on the Parties in accordance with Article 28 (Dispute Resolution) or within thirty (30) Days of the issuance of such decision under Article 23 (Process for Addressing Revisions to Performance Standards), as applicable, or, if such decision cannot be complied with within thirty (30) Days, such Party fails to have commenced commercially reasonable efforts designed to achieve compliance within such thirty (30) Days and diligently continue such commercially reasonable efforts until compliance is attained; or
- (f) A Party, by act or omission, materially breaches or defaults on any material covenant, condition or other

provision of this Agreement, other than the provisions specified in Section 15.1 (Events of Default by Subscriber Organization) and Section 15.2(a) through Section 15.2(e), if such breach or default is not cured within thirty (30) Days after written notice of such breach or default from the other Party; provided, however, that if it is objectively impossible to cure the breach or default in question within said thirty (30) Day period (i.e., if the breach or default in question is one that could not be cured within said thirty (30) Day period by an experienced independent power producer or electric utility, as applicable, willing and able to exert commercially reasonable efforts to achieve such cure within said thirty (30) Day period), then, for so long as the Non-performing Party is making the same effort to cure such breach or default as would be expected of an experienced independent power producer or electric utility, as applicable, willing and able to exert commercially reasonable efforts to achieve such cure, the Non-performing Party shall have a cure period equal to the shorter of (i) the duration of the period within which a cure could reasonably be expected to be achieved by an experienced independent power producer or electric utility, as applicable, willing and able to exert commercially reasonable efforts to achieve such cure or (ii) a period of three hundred sixty five (365) Days beginning on the date of written notice of such breach or default; provided, further, that if the material breach in question involves Subscriber Organization's failure to meet the operational and performance standards set forth in Attachment B (Facility Owned by Subscriber Organization), the provisions of Section 1(j) (Demonstration of Facility) of Attachment B (Facility Owned by Subscriber Organization) for consultant's study and Subscriber Organization implementation of such study's recommendation shall apply in lieu of the extended cure period provided under the preceding proviso.

15.3 Cure/Grace Periods. Before becoming an Event of Default, the occurrences set forth in Section 15.1 (Events of Default by Subscriber Organization) and Section 15.2 (Events of Default by a Party) are subject to the following cure/grace periods:

- (a) If the occurrence is not the result of Force Majeure, the Non-performing Party shall be entitled to a cure

period to the limited extent expressly set forth in the applicable provision of Section 15.1 (Events of Default by Subscriber Organization) or Section 15.2 (Events of Default by a Party); or

- (b) If the occurrence is the result of Force Majeure, and if and so long as the conditions set forth in Section 21.4 (Satisfaction of Certain Conditions) are satisfied, the Non-performing Party shall be entitled to a grace period as provided in Section 21.6 (Termination for Force Majeure), which shall apply in lieu of any cure periods provided in Section 15.1 (Events of Default by Subscriber Organization) and Section 15.2 (Events of Default by a Party).

15.4 Rights of the Non-defaulting Party; Forward Contract. If an Event of Default shall have occurred and be continuing, the Party who is not the Defaulting Party ("Non-defaulting Party") shall have the right (i) to terminate this Agreement by sending written notice to the Defaulting Party as provided in this Section 15.4 (Rights of the Non-defaulting Party; Forward Contract); (ii) to withhold any payments due to the Defaulting Party under this Agreement; (iii) suspend performance; and (iv) exercise any other right or remedy available at law or in equity to the extent permitted under this Agreement. A notice terminating this Agreement pursuant to this Section 15.4 (Rights of the Non-defaulting Party; Forward Contract) shall designate the Day such termination is to be effective which Day shall be no later than thirty (30) Days after such notice is deemed to be received by the Defaulting Party and not earlier than the first to occur of the Day such notice is deemed to be received by the Defaulting Party or the Day following the expiration of any period afforded the Defaulting Party under Section 15.1 (Events of Default by Subscriber Organization) and Section 15.2 (Events of Default by a Party) to cure the default in question. If the Agreement is terminated by Company because of one or more of the Events of Default by Subscriber Organization, Company shall have the right, in addition to the rights set forth above in this Section 15.4 (Rights of the Non-defaulting Party; Forward Contract), to collect Termination Damages, in accordance with Article 16 (Damages in the Event of Termination by Company). Without limitation to the generality of the foregoing provisions of this Section 15.4 (Rights of the Non-Defaulting Party; Forward Contract), the Parties agree that, under 11 U.S.C. §362(b)(6), this Agreement is a "forward contract" and the

Company is a "forward contract merchant" such that upon the occurrence of an Event of Default by Subscriber Organization under Section 15.1 (Events of Default by Subscriber Organization) or Section 15.2 (Events of Default by a Party), this Agreement may be terminated by Company as provided in this Agreement notwithstanding any bankruptcy petition affecting Subscriber Organization.

- 15.5 Force Majeure. To the extent a Non-performing Party is entitled to defer certain liabilities pursuant to Article 21 (Force Majeure) of the Agreement, the permitted period of deferral shall be governed by Section 21.6 (Termination for Force Majeure) in lieu of this Article 15 (Events of Default).
- 15.6 Guaranteed Project Milestones Including Guaranteed Commercial Operations Date. Notwithstanding any other provision of this Article 15 (Events of Default) to the contrary, any failure of Subscriber Organization to achieve any of the Guaranteed Project Milestones by the applicable Guaranteed Project Milestone Date, including Commercial Operations by the Guaranteed Commercial Operations Date, shall be governed by Article 13 (Guaranteed Project Milestones Including Commercial Operations) in lieu of this Article 15 (Events of Default).
- 15.7 Equitable Remedies. Subscriber Organization acknowledges that Company is a public utility and is relying upon Subscriber Organization's performance of its obligations under this Agreement, and that Company and/or its customers may suffer irreparable injury as a result of the failure of Subscriber Organization to perform any of such obligations, whether or not such failure constitutes an Event of Default or otherwise gives rise to one or more of the remedies set forth in Section 15.4 (Rights of the Non-defaulting Party; Forward Contract). Accordingly, the remedies set forth in Section 15.4 (Rights of the Non-defaulting Party; Forward Contract) shall not limit or otherwise affect Company's right to seek specific performance injunctions or other available equitable remedies for Subscriber Organization's failure to perform any of its obligations under this Agreement, irrespective of whether such failure constitutes an Event of Default.

ARTICLE 16  
DAMAGES IN THE EVENT OF TERMINATION BY COMPANY

- 16.1 Termination Due to Failure to Meet a Guaranteed Project Milestone Date. If the Agreement is terminated by Company pursuant to Section 13.4 (Damages and Termination), Company shall be entitled to Termination Damages calculated by multiplying the Contract Capacity by \$50/kW.
- 16.2 Termination Due to an Event of Default. If the Agreement is terminated by Company in accordance with this Agreement after the Commercial Operations Date due to an Event of Default where Subscriber Organization is the Defaulting Party, Company shall be entitled to Termination Damages calculated by multiplying the Contract Capacity by \$75/kW.
- 16.3 Liquidated Damages Appropriate. Each Party agrees and acknowledges that (i) the damages that Company would incur due to early termination of the Agreement pursuant to either Section 13.4 (Damages and Termination) or Section 15.4 (Rights of the Non-defaulting Party; Forward Contract) would be difficult or impossible to calculate with certainty, (ii) the Termination Damages are an appropriate approximation of such damages, and (iii) payment of Termination Damages does not relieve Subscriber Organization of liability for costs and balances incurred prior to the effective date of such termination. The Termination Damages are the sole and exclusive remedy for Company's losses arising out of the termination of this Agreement. The Termination Damages are not intended to limit Company's rights or remedies, or Subscriber Organization's liabilities or duties, with respect to losses arising independent of the termination of this Agreement, including, without limitation, Company's right to recover under Section 17.1 (Indemnification of Company).
- 16.4 Consequential Damages. Neither Party shall be liable for damages incurred by the other Party for any loss of profit or revenues, loss of product, loss of use of products or services or associated equipment, interruption of business, cost of capital, downtime costs, increased operating costs, or for any special, consequential, incidental, indirect or punitive damages; provided, however, that nothing in this Section 16.4 (Consequential Damages) shall limit any of (i) the indemnification obligations of either Party under Article 17 (Indemnification) of this Agreement, (ii) the liability of either Party for liquidated damages as set

forth in this Agreement, (iii) the liability of either Party for direct damages for breach of this Agreement as and to the extent such damages have not been liquidated as set forth in this Agreement or (iv) the liability of either Party for gross negligence or intentional misconduct.

ARTICLE 17  
INDEMNIFICATION

17.1 Indemnification of Company.

- (a) Indemnification Against Third Party Claims. Subscriber Organization shall indemnify, defend, and hold harmless Company, its successors, permitted assigns, affiliates, controlling persons, directors, officers, employees, agents, contractors, subcontractors and the employees of any of them (collectively referred to as an "Indemnified Company Party"), from and against any Losses suffered, incurred or sustained by any Indemnified Company Party due to any Claim (whether or not well founded, meritorious or unmeritorious) by a third party not controlled by, or under common ownership and/or control with, Company relating to (i) Subscriber Organization's development, permitting, construction, ownership, operation and/or maintenance of the Facility and Company-Owned Interconnection Facilities (excluding the ownership, operation and/or maintenance of the Company-Owned Interconnection Facilities following the Transfer Date); or (ii) any actual or alleged personal injury or death or damage to property, in any way arising out of, incident to, or resulting directly or indirectly from the acts or omissions of any Indemnified Subscriber Organization Party, except as and to the extent that such Loss is attributable to the negligence or willful misconduct of an Indemnified Company Party.
- (b) Compliance with Laws. Any Losses incurred by an Indemnified Subscriber Organization Party for noncompliance by Subscriber Organization or an Indemnified Subscriber Organization Party with applicable Laws shall not be reimbursed by Company but shall be the sole responsibility of Subscriber Organization. Subscriber Organization shall indemnify, defend and hold harmless each Indemnified Company Party from and against any and all Losses in any way arising out of, incident to, or resulting directly or indirectly from the failure of Subscriber Organization to comply with any Laws.
- (c) Notice. If Subscriber Organization shall obtain knowledge of any Claim subject to Section 17.1(a) (Indemnification Against Third Party Claims), Section 17.1(b) (Compliance with Laws) or otherwise under this

Agreement, Subscriber Organization shall give prompt notice thereof to Company, and if Company shall obtain any such knowledge, Company shall give prompt notice thereof to Subscriber Organization.

(d) Indemnification Procedures.

- (1) In case any Claim subject to Section 17.1(a) (Indemnification Against Third Party Claims) or Section 17.1(b) (Compliance with Laws) or otherwise under this Agreement, shall be brought against an Indemnified Company Party, Company shall notify Subscriber Organization of the commencement thereof and, provided that Subscriber Organization has acknowledged in writing to Company its obligation to an Indemnified Company Party under this Section 17.1 (Indemnification of Company), Subscriber Organization shall be entitled, at its own expense, acting through counsel acceptable to Company, to participate in and, to the extent that Subscriber Organization desires, to assume and control the defense thereof; provided, however, that Subscriber Organization shall not compromise or settle a Claim against an Indemnified Company Party without the prior written consent of Company which consent shall not be unreasonably withheld or delayed.
- (2) Subscriber Organization shall not be entitled to assume and control the defense of any such Claim subject to Section 17.1(a) (Indemnification Against Third Party Claims), Section 17.1(b) (Compliance with Laws) or otherwise under this Agreement, if and to the extent that, in the sole opinion of Company, such Claim involves the potential imposition of criminal liability on an Indemnified Company Party or a conflict of interest between an Indemnified Company Party and Subscriber Organization, in which case Company shall be entitled, at its own expense, acting through counsel acceptable to Subscriber Organization to participate in any Claim, the defense of which has been assumed by Subscriber Organization. Company shall supply, or shall cause an Indemnified Company Party to supply, Subscriber Organization with such information and documents requested by Subscriber Organization as are necessary or advisable for Subscriber Organization to possess in connection



with its participation in any Claim to the extent permitted by this Section 17.1(d)(2). Company shall not enter, and shall restrict any Indemnified Company Party from entering, into any settlement or other compromise with respect to any Claim without the prior written consent of Subscriber Organization, which consent shall not be unreasonably withheld or delayed.

- (3) Upon payment of any Losses by Subscriber Organization, pursuant to this Section 17.1 (Indemnification of Company) or other similar indemnity provisions contained herein, to or on behalf of Company, Subscriber Organization, without any further action, shall be subrogated to any and all claims that an Indemnified Company Party may have relating thereto.
- (4) Company shall fully cooperate and cause all Company Indemnified Parties to fully cooperate, in the defense of or response to, any Claim subject to Section 17.1 (Indemnification of Company).

17.2 Indemnification of Subscriber Organization.

- (a) Indemnification Against Third Party Claims. Company shall indemnify, defend, and hold harmless Subscriber Organization, its successors, permitted assigns, affiliates, controlling persons, directors, officers, employees, servants and agents, contractors, subcontractors and the employees of any of them (collectively referred to as an "Indemnified Subscriber Organization Party"), from and against any Losses suffered, incurred or sustained by any Indemnified Subscriber Organization Party due to any Claim (whether or not well founded, meritorious or unmeritorious) by a third party not controlled by or under common ownership and/or control with Subscriber Organization relating to (i) the ownership, operation and/or maintenance of the Company-Owned Interconnection Facilities following the Transfer Date, and (ii) any actual or alleged personal injury or death or damage to property, in any way arising out of, incident to, or resulting directly or indirectly from the acts or omissions of any Indemnified Company Party, except to the extent that any such Loss is attributable to the negligence or willful misconduct of an Indemnified Subscriber Organization Party.

- (b) Compliance with Laws. Any Losses incurred by an Indemnified Company Party for noncompliance by Company or an Indemnified Company Party with applicable Laws shall not be reimbursed by Subscriber Organization but shall be the sole responsibility of Company. Company shall indemnify, defend and hold harmless each Indemnified Subscriber Organization Party from and against any and all Losses in any way arising out of, incident to, or resulting directly or indirectly from the failure of Company to comply with any Laws.
- (c) Notice. If Company shall obtain knowledge of any Claim subject to Section 17.2(a) (Indemnification Against Third Party Claims), Section 17.2(b) (Compliance with Laws) or otherwise under this Agreement, Company shall give prompt notice thereof to Subscriber Organization, and if Subscriber Organization shall obtain any such knowledge, Subscriber Organization shall give prompt notice thereof to Company.
- (d) Indemnification Procedures.
- (1) In case any Claim subject to Section 17.2(a) (Indemnification Against Third Party Claims), Section 17.2(b) (Compliance with Laws), or otherwise under this Agreement, shall be brought against an Indemnified Subscriber Organization Party, Subscriber Organization shall notify Company of the commencement thereof and, provided that Company has acknowledged in writing to Subscriber Organization its obligation to an Indemnified Subscriber Organization Party under this Section 17.2 (Indemnification of Subscriber Organization), Company shall be entitled, at its own expense, acting through counsel acceptable to Subscriber Organization, to participate in and, to the extent that Company desires, to assume and control the defense thereof; provided, however, that Company shall not compromise or settle a Claim against an Indemnified Subscriber Organization Party without the prior written consent of Subscriber Organization which consent shall not be unreasonably withheld or delayed.
  - (2) Company shall not be entitled to assume and control the defense of any such Claim subject to Section 17.2(a) (Indemnification Against Third Party

Claims), Section 17.2(b) (Compliance with Laws), or otherwise under this Agreement, if and to the extent that, in the opinion of Subscriber Organization, such Claim involves the potential imposition of criminal liability on an Indemnified Subscriber Organization Party or a conflict of interest between an Indemnified Subscriber Organization Party and Company, in which case Subscriber Organization shall be entitled, at its own expense, acting through counsel acceptable to Company, to participate in any Claim the defense of which has been assumed by Company. Subscriber Organization shall supply, or shall cause an Indemnified Subscriber Organization Party to supply, Company with such information and documents requested by Company as are necessary or advisable for Company to possess in connection with its participation in any Claim, to the extent permitted by this Section 17.2(d)(2). Subscriber Organization shall not enter, and shall restrict any Indemnified Subscriber Organization Party from entering, into any settlement or other compromise with respect to any Claim without the prior written consent of Company, which consent shall not be unreasonably withheld or delayed.

- (3) Upon payment of any Losses by Company pursuant to this Section 17.2 (Indemnification of Subscriber Organization) or other similar indemnity provisions contained herein to or on behalf of Subscriber Organization, Company, without any further action, shall be subrogated to any and all claims that an Indemnified Subscriber Organization Party may have relating thereto.
- (4) Subscriber Organization shall fully cooperate and cause all Subscriber Organization Indemnified Parties to fully cooperate, in the defense of, or response to, any Claim subject to Section 17.2 (Indemnification of Subscriber Organization).

ARTICLE 18  
INSURANCE

- 18.1 Required Coverage. Subscriber Organization, and anyone acting under its direction or control or on its behalf, shall, at its own expense, acquire and maintain, or cause to be maintained in full effect, commencing with the start of construction of the Facility, as applicable, and continuing throughout the Term, as applicable, the minimum insurance coverage set forth in Attachment R (Required Insurance), or such higher amounts as the Subscriber Organization and/or the Facility Lender reasonably determines to be necessary during construction and operation of the Facility. Subscriber Organization's indemnity and other obligations shall not be limited by the foregoing insurance requirements.
- 18.2 Waiver of Subrogation. Subscriber Organization, and anyone acting under its direction or control or on its behalf, shall cause its insurers to waive all rights of subrogation which Subscriber Organization or its insurers may have against Company, Company's agents, or Company's employees.
- 18.3 Additional Insureds. The insurance policies specified in Section 2 (General Liability Insurance) and Section 3 (Automobile Liability Insurance) of Attachment R (Required Insurance) shall name Company as an additional insured, as its interests may appear, with respect to any and all third party bodily injury and/or property damage claims, including completed operations, arising from Subscriber Organization's performance of this Agreement, and Subscriber Organization shall submit to Company a copy of such additional insured endorsement with evidence of insurance as required herein. Subscriber Organization shall promptly, and in no event later than five (5) Days after such cancellation, modification or non-renewal, provide written notice to Company should any of the insurance policies required under this Agreement be cancelled, materially modified, or not renewed upon expiration. Company acknowledges that the Facility Lender shall be entitled to receive and distribute any and all loss proceeds as stipulated by any Financing Documents related to any policy described in this Article 18 (Insurance) and Attachment R (Required Insurance).
- 18.4 Evidence of Policies Provided to Company. Evidence of insurance for the coverage specified in this Article 18 (Insurance) shall be provided to Company within thirty (30)

Days after the Effective Date or prior to the start of construction, whichever shall first occur. Within 30 Days of any change of any policy and upon renewal of any policy, Subscriber Organization shall provide certificates of insurance to Company. During the Term, Subscriber Organization, upon Company's reasonable request, shall make available to Company for its inspection at Subscriber Organization's designated location, certified copies of the insurance policies described in this Article 18 (Insurance) and Attachment R (Required Insurance). Receipt of any evidence of insurance showing less coverage than requested is not a waiver of Subscriber Organization's obligations to fulfill the requirements.

- 18.5 Deductibles. Company acknowledges that any policy required herein may contain reasonable deductibles or self-insured retentions, the amounts of which will be reviewed for acceptance by Company. Acceptance will not be unreasonably withheld. Any deductible shall be the responsibility of Subscriber Organization.
- 18.6 Application of Proceeds from All Risk Property/Comprehensive Boiler and Machinery Insurance. Subscriber Organization shall use commercially reasonable efforts to obtain provisions in the Financing Documents, on reasonable terms, providing for the insurance proceeds from All Risk Property/Comprehensive Boiler and Machinery Insurance to be applied to repair of the Facility.
- 18.7 Annual Review by Company. The coverage limits shall be reviewed annually by Company and if, in Company's discretion, Company determines that the coverage limits should be increased to ensure commercially reasonable limits are maintained, Company shall so notify Subscriber Organization. Subscriber Organization shall, within thirty (30) Days of notice from Company, increase the coverage as directed in such notice and the costs of such increased coverage limits shall be borne by Subscriber Organization. If the increase in coverage limits is not reasonably available and commercially feasible in the commercial insurance market, Subscriber Organization shall provide notice to Company, accompanied by a letter from an independent insurance advisor of recognized national standing, certifying that such insurance is not reasonably available and commercially feasible in the commercial insurance market for electric generating locations of similar type, geographic location, and capacity.

- 18.8 No Representation of Coverage Adequacy. By requiring insurance herein, Company does not represent that coverage and limits will necessarily be adequate to protect Subscriber Organization, and such coverage and limits shall not be deemed as a limitation on Subscriber Organization's liability under the indemnities granted to Company in this Agreement.
- 18.9 Subcontractors. Subscriber Organization shall ensure that each of its EPC contractor and other major subcontractors are either (a) named as an additional insured under the insurance policies procured by Subscriber Organization; or (b) separately covered by insurance policies equivalent in type and monetary limits as those required of Subscriber Organization. All such insurance shall be provided at the sole cost of Subscriber Organization or subcontractor.
- 18.10 General Insurance Requirements.
- (a) Each policy shall be specifically endorsed by blanket or otherwise to provide that Subscriber Organization's insurance is primary. Any other insurance carried by Company will be excess only and not contribute with this insurance.
  - (b) Each policy is to be written by an insurer with a rating by A.M. Best Company, Inc. of "A-VII" or better.
  - (c) If any policy required herein is written on a claims-made basis, the Subscriber Organization warrants that any retroactive date applicable to coverage under the policy precedes the Execution Date; and that continuous coverage will be maintained or an extended discovery period will be exercised for a period of three (3) years beginning from the end of Term.
  - (d) If the limits of available liability coverage required herein become substantially reduced as a result of claim payments, Subscriber Organization shall promptly, and in no event later than thirty (30) Days after such substantial reduction, at its own expense, purchase additional liability insurance (if such coverage is available at commercially reasonable rates) to increase the amount of available coverage to the limits of liability coverage required herein.

ARTICLE 19  
TRANSFERS, ASSIGNMENTS, AND FACILITY DEBT

- 19.1 Sale of the Facility. Subscriber Organization shall comply with the requirements of Attachment P (Sale of Facility by Subscriber Organization) before Subscriber Organization's right, title or interest in the Facility, in whole or in part, including a Change in Control, may be disposed of (other than the disposition of equipment in the ordinary course of operating and maintaining the Facility). Any attempt by Subscriber Organization to make any such disposition or Change in Control without fulfilling the requirements of Attachment P (Sale of Facility by Subscriber Organization) shall be deemed null and void and shall constitute an Event of Default pursuant to Article 15 (Events of Default).
- 19.2 Assignment by Subscriber Organization. This Agreement may not be assigned by Subscriber Organization without the prior written consent of Company (such consent not to be unreasonably withheld, conditioned or delayed), provided that Subscriber Organization shall have the right, without the consent of Company, to assign its interest in this Agreement (i) to a wholly-owned subsidiary or to an affiliated company under common control with **[Note - insert appropriate parent entity]**, provided that such assignment does not impair the ability of Subscriber Organization to perform its obligations under this Agreement; and (ii) as collateral security for purposes of arranging or rearranging debt and/or equity financing for the Facility, or for sale-leaseback financing, to assign all or any part of its rights or benefits, but not its obligations, to any lender providing debt financing for the Facility. Subscriber Organization shall promptly provide written notice to Company of any assignment of all or part of this Agreement and Subscriber Organization shall provide to Company information about the assignee and the assignee's operational experience reasonably requested by Company. Company shall not be required to incur any duty or obligation as a result of, or in connection with, such assignment made without its consent beyond those duties and obligations set forth in this Agreement, unless otherwise agreed to by Company in writing.
- 19.3 Company's Acknowledgment. In connection with any assignment relating to the Facility Debt pursuant to Section 19.2 (Assignment by Subscriber Organization), Company shall, if

requested by Subscriber Organization and if its costs (including reasonable attorneys' fees of outside counsel) in responding to such request are paid by Subscriber Organization: (i) execute and/or provide such Hawai'i-law governed documents as may be reasonably requested by the Facility Lender and reasonably acceptable to Company, including, (aa) to acknowledge (1) such assignment and/or pledge/mortgage, (2) the right of the Facility Lender to receive copies of notices of Events of Default where the Subscriber Organization is the Defaulting Party and (3) the Facility Lender's reasonable opportunity to cure such Events of Default and to exercise remedies to assume Subscriber Organization's obligations under this Agreement, and (bb) estoppel certificates as to Subscriber Organization's and Company's compliance with the terms and conditions of this Agreement; and (ii) provide a legal opinion as to the due authorization of such Company acknowledgment and estoppels.

19.4 Financing Document Requirements. Subscriber Organization shall include in the terms of the Financing Documents as provisions for Company's benefit that provide that as a condition to the Facility Lender, or any purchaser, successor, assignee and/or designee of the Facility Lender ("Subsequent Owner"), succeeding to ownership or possession of the Facility as a result of the exercise of remedies under the Financing Documents, and thereafter operating the Facility to generate electric energy, such Facility Lender or Subsequent Owner shall, prior to operating the Facility for such purpose, have provided to Company, evidence reasonably acceptable to Company that such Subsequent Owner has (a) the qualifications, or has contracted with an entity having the qualifications, to operate the Facility in a manner consistent with the terms and conditions of this Agreement; and (b) assumed all of Subscriber Organization's rights and obligations under this Agreement.

19.5 [Reserved]

19.6 Reimbursement of Company Costs. Subscriber Organization shall reimburse Company for costs and expenses incurred by Company (including reasonable attorneys' fees of outside counsel) in responding to Facility Lender's requests or as a result of any event of default by Subscriber Organization under the Financing Documents, including but not limited to any assumption of Subscriber Organization's obligations under Section 19.4 (Financing Document Requirements).



- 19.7 Assignment By Company. This Agreement shall not be assigned by Company without the prior written consent of Subscriber Organization (which consent shall not be unreasonably withheld, conditioned or delayed); provided, however, that Company shall have the right, without the consent of Subscriber Organization, to assign its interest in this Agreement to any affiliated company owned in whole or in part by Hawaiian Electric Industries, Inc. ("HEI") so long as such assignee (a) shall have assumed all obligations of Company under this Agreement; and (b) is a utility regulated by the PUC.
- 19.8 Consequences for Failure to Comply. Any attempt to make any pledge, mortgage, grant of a security interest or collateral assignment for which consent is required under Section 19.2 (Assignment by Subscriber Organization) or Section 19.7 (Assignment By Company) (as applicable), without fulfilling the requirements of this Article 19 (Transfers, Assignments, and Facility Debt) shall be null and void and shall constitute an Event of Default pursuant to Article 15 (Events of Default).

ARTICLE 20  
SALE OF ENERGY TO THIRD PARTIES

Subscriber Organization shall not sell energy from the Facility to any Third Party.

ARTICLE 21  
FORCE MAJEURE

21.1 Definition of Force Majeure. The term "Force Majeure", as used in this Agreement, means any occurrence that:

- (a) In whole or in part delays or prevents a Party's performance under this Agreement;
- (b) Is not the direct or indirect result of the fault or negligence of that Party;
- (c) Is not within the control of that Party notwithstanding such Party having taken all reasonable precautions and measures in order to prevent or avoid such event; and
- (d) The Party has been unable to overcome by the exercise of due diligence.

21.2 Events That Could Qualify as Force Majeure. Subject to the foregoing, events that could qualify as Force Majeure include, but are not limited to, the following:

- (a) acts of God, flooding, lightning, landslide, earthquake, fire, drought, explosion, epidemic, quarantine, storm, hurricane, tornado, volcano, other natural disaster or unusual or extreme adverse weather-related events;
- (b) war (declared or undeclared), riot or similar civil disturbance, acts of the public enemy (including acts of terrorism), sabotage, blockade, insurrection, revolution, expropriation or confiscation; or
- (c) except as set forth in Section 21.3(j), strikes, work stoppage or other labor disputes (in which case the affected Party shall have no obligation to settle the strike or labor dispute on terms it deems unreasonable).

21.3 Exclusions From Force Majeure. Force Majeure does not include:

- (a) any acts or omissions of any Third Party, including, without limitation, any vendor, materialman, customer, or supplier of Subscriber Organization, unless such acts or omissions are themselves excused by reason of Force Majeure;

- (b) any full or partial reduction in the electric output of Facility that is caused by or arises from (i) a mechanical or equipment breakdown or (ii) other mishap or events or conditions attributable to normal wear and tear or defects, unless such mishap is caused by Force Majeure;
- (c) changes in market conditions that affect the cost of Subscriber Organization's supplies, or that affect demand or price for any of Subscriber Organization's products, or that otherwise render this Agreement uneconomic or unprofitable for Subscriber Organization;
- (d) Subscriber Organization's inability to obtain Governmental Approvals or Land Rights for the construction, ownership, operation and maintenance of Facility and the Company-Owned Interconnection Facilities, or Subscriber Organization's loss of any such Governmental Approvals or Land Rights once obtained;
- (e) the lack of wind, sun or any other resource of an inherently intermittent nature;
- (f) Subscriber Organization's inability to obtain sufficient fuel, power or materials to operate its Facility, except if Subscriber Organization's inability to obtain sufficient fuel, power or materials is caused solely by an event of Force Majeure;
- (g) Subscriber Organization's failure to obtain additional funds, including funds authorized by a state or the federal government or agencies thereof, to supplement the payments made by Company pursuant to this Agreement;
- (h) a Forced Outage except where such Forced Outage is caused by an event of Force Majeure;
- (i) litigation or administrative or judicial action pertaining to the Agreement, the Site, the Facility, the Land Rights, the acquisition, maintenance or renewal of financing or any Governmental Approvals, or the design, construction, ownership, operation or maintenance of the Facility, the Company-Owned Interconnection Facilities or the Company System;
- (j) a strike, work stoppage or labor dispute limited only to any one or more of the Indemnified Subscriber

Organization Parties or any other third party employed by Subscriber Organization to work on the Project; or

- (k) any full or partial reduction in the availability of the Facility to produce and deliver to the Point of Interconnection electric energy in response to Company Dispatch which is caused by any Third Party including, without limitation, any vendor or supplier of Subscriber Organization or Company, except to the extent due to Force Majeure.

21.4 Satisfaction of Certain Conditions. Section 21.5 (Guaranteed Project Milestones Including Commercial Operations), Section 21.6 (Termination for Force Majeure) and Section 21.7 (Effect of Force Majeure) defer or limit certain liabilities of a Party for delay and/or failure in performance to the extent such delay or failure is the result of conditions or events of Force Majeure; provided, however, that a Non-performing Party is only entitled to such limitations or deferrals of liabilities as and to the extent the following conditions are satisfied:

- (a) the Non-performing Party gives the other Party, within five (5) Days after the Non-performing Party becomes aware or should have become aware of the Force Majeure condition or event, but in any event no later than thirty (30) Days after the Force Majeure condition or event begins, written notice (the "Force Majeure Notice") stating that the Non-performing Party considers such condition or event to constitute Force Majeure and describing the particulars of such Force Majeure condition or event, including the date the Force Majeure commenced;
- (b) the Non-performing Party gives the other Party, within fourteen (14) Days after the Force Majeure Notice was or should have been provided, a written explanation of the Force Majeure condition or event and its effect on the Non-performing Party's performance, which explanation shall include evidence reasonably sufficient to establish that the occurrence constitutes Force Majeure;
- (c) the suspension of performance is of no greater scope and of no longer duration than is required by the condition or event of Force Majeure;

- (d) the Non-performing Party exercises commercially reasonable efforts to remedy its inability to perform and provides written weekly progress reports to the other Party describing actions taken to end the Force Majeure; and
  - (e) when the condition or event of Force Majeure ends and the Non-performing Party is able to resume performance of its obligations under this Agreement, that Party shall give the other Party written notice to that effect.
- 21.5 Guaranteed Project Milestones Including Commercial Operations. The Parties shall have the rights and obligations set forth in Article 13 (Guaranteed Project Milestones Including Commercial Operations) in the event a condition or event of Force Majeure affects the achievement of a Guaranteed Project Milestone Date, including the Guaranteed Commercial Operations Date.
- 21.6 Termination for Force Majeure. If Force Majeure delays or prevents a Party's performance for more than three hundred sixty-five (365) Days from the occurrence or inception of the Force Majeure, as stated in the Force Majeure Notice, and such delay or failure of performance would have otherwise constituted an Event of Default under Article 15 (Event of Default), the other Party shall have the right to terminate this Agreement by written notice. Such notice shall designate the date such termination is to be effective, which date shall be no later than thirty (30) Days after such notice is deemed to be received by the Party whose performance has been delayed or prevented. In the event of termination pursuant to this Section 21.6 (Termination for Force Majeure), neither Party shall be liable for any damages or have any obligations to the other, except as provided in Section 29.25 (Survival of Obligations) other than as provided in Section 29.25(b).
- 21.7 Effect of Force Majeure. Other than as provided in Section 21.5 (Guaranteed Project Milestones Including Commercial Operations) and Section 21.6 (Termination for Force Majeure), neither Party shall be responsible or liable for any delays or failures in its performance under this Agreement as and to the extent (i) such delays or failures are substantially caused by conditions or events of Force Majeure, and (ii) the conditions of Section 21.4 (Satisfaction of Certain Conditions) are satisfied.

- 21.8 No Relief of Other Obligations. Except as otherwise expressly provided for in this Agreement, the existence of a condition or event of Force Majeure shall not relieve the Parties of their obligations under this Agreement (including, but not limited to, payment obligations) to the extent that performance of such obligations is not precluded by the condition or event of Force Majeure.
- 21.9 No Extension of the Term. In no event will any delay or failure of performance caused by any conditions or events of Force Majeure extend this Agreement beyond its stated Term.

ARTICLE 22  
WARRANTIES AND REPRESENTATIONS

22.1 By the Parties. Both Company and Subscriber Organization represent, warrant, and covenant, as of the Execution Date and for the extent of the Term, respectively, that:

- (a) Each respective Party has all necessary right, power and authority to execute, deliver and perform this Agreement.
- (b) The execution, delivery and performance of this Agreement by each respective Party will not result in a violation of any Laws, or conflict with, or result in a breach of, or cause a default under, any agreement or instrument to which such Party is also a party or by which it is bound. No consent of any person or entity not a Party to this Agreement, including any Governmental Authority (other than agencies whose approval is necessary for the development, construction, operation and maintenance of the Facility and the Company-Owned Interconnection Facilities or the PUC), is required for such execution, delivery and performance by either Party.

22.2 By Subscriber Organization. Subscriber Organization represents, warrants, and covenants that:

- (a) As of the Execution Date and for the extent of the Term, it is an entity in good standing with the Hawai'i Department of Commerce and Consumer Affairs and shall provide Company with a certified copy of a certificate of good standing by the Execution Date.
- (b) As of the Execution Date, Subscriber Organization is a subsidiary of [\_\_\_\_\_], a company with extensive experience developing, constructing, owning and operating utility-scale renewable energy generation facilities.
- (c) Subscriber Organization has obtained or will obtain Land Rights within the time periods set forth in Section 11.2 (Land Rights for Facility) and Section 11.3 (Company-Owned Interconnection Facilities).
- (d) At the time legally required, Subscriber Organization shall have obtained (i) all Governmental Approvals for the construction, ownership, operation and maintenance



of the Company-Owned Interconnection Facilities and  
(ii) all Governmental Approvals necessary for the  
construction, ownership, operation and maintenance of  
the Facility.

- (e) As of the Commercial Operations Date, the Facility will  
be a qualified renewable resource under RPS in effect as  
of the Effective Date.

22.3 Facility's CBRE Program. The Subscriber Organization's  
representations, warranties and covenants set forth in the  
various provisions of Attachment Q (Facility's CBRE Program)  
are incorporated into this Article 22 (Warranties and  
Representations) as if fully set forth in this Section 22.3  
(Facility's CBRE Program).

ARTICLE 23  
PROCESS FOR ADDRESSING  
REVISIONS TO PERFORMANCE STANDARDS

- 23.1 Revisions to Performance Standards. The Parties acknowledge that, during the Term, certain Performance Standards and Telemetry and Control interfaces may be revised or added to facilitate necessary improvements in integrating intermittent variable energy resources and/or energy storage resources into the Company System and operations. Such revisions or additions may be attributable to, without limitation, the following: changes in penetration levels of intermittent renewable resources on the Company System, changes in the Company System, changes in communications and control platforms, changes in system protection requirements, changes to the state of commercially available technology, changes to Company-owned generation resources, changes in customer electrical usage (such as changes in average hourly load profiles), and changes in Laws (e.g., new environmental constraints, which may limit Company's ability to start/stop its generators in response to integration of intermittent generation, or constraints impacting the power quality standards for the Company System, such as constraints imposed by HERA or by the PUC under the HERA Law). Changes in Facility characteristics achieved through control system configuration, settings, or other tunable parameters shall not be considered a revision to performance standards. These types of changes should be implemented by the Subscriber Organization in response to Company request unless it can be shown that the changes negatively impact the Subscriber Organization's ability to meet its obligations under this Agreement.
- 23.2 Performance Standards Information Request. If Company concludes that a Performance Standards Revision is necessary or important for the operation of the Company System and is capable of being complied with by Subscriber Organization, Company shall have the right to issue to Subscriber Organization a Performance Standards Information Request with respect to such Performance Standards Revision. Subscriber Organization shall, within a reasonable period of time following Subscriber Organization's receipt of such Performance Standards Information Request, but in no event more than 90 Days after Subscriber Organization's receipt of such Request (or such other period of time as Company and Subscriber Organization may agree in writing), submit to Company a Performance Standards Proposal responsive to the

Performance Standards Revision proposed in such Performance Standards Information Request.

- 23.3 Performance Standards Proposal. Upon receipt of a Performance Standards Proposal submitted in response to a Performance Standards Information Request, Company will evaluate such Performance Standards Proposal and Subscriber Organization shall assist Company in performing such evaluation as and to the extent reasonably requested by Company (including, but not limited to, providing such additional information as Company may reasonably request and participating in meetings with Company as Company may reasonably request). Company shall have no obligation to evaluate a Performance Standards Proposal submitted at Subscriber Organization's own initiative.
- 23.4 Performance Standards Revision Document. If, following Company's evaluation of a Performance Standards Proposal, Company desires to consider implementing the Performance Standards Revision addressed in such Proposal, Company shall provide Subscriber Organization with written notice to that effect, such notice to be issued to Subscriber Organization within 180 Days of receipt of the Performance Standards Proposal, and Company and Subscriber Organization shall proceed to negotiate in good faith a Performance Standards Revision Document setting forth the specific changes to the Agreement that are necessary to implement such Performance Standards Revision. A decision by Company to initiate negotiations with Subscriber Organization as aforesaid shall not constitute an acceptance by Company of any of the details set forth in Subscriber Organization's Performance Standards Proposal for the Performance Standards Revision in question, including but not limited to the Performance Standards Modifications and the Performance Standards Pricing Impact. Any adjustment to the Contract Pricing pursuant to such Performance Standards Revision Document shall be limited to the Performance Standards Pricing Impact (other than with respect to the financial consequences of non-performance as to a Performance Standards Revision). The time periods set forth in such Performance Standards Revision Document as to the effective date for the Performance Standards Revision shall be measured from the date the PUC Performance Standards Revision Order becomes non-appealable as provided in Section 23.6 (PUC Performance Standards Revision Order).

- 23.5 Failure to Reach Agreement. If Company and Subscriber Organization are unable to agree upon and execute a Performance Standards Revision Document within 180 Days of Company's written notice to Subscriber Organization pursuant to Section 23.4 (Performance Standards Revision Document), Company shall have the option of declaring the failure to reach agreement on and execute such Performance Standards Revision Document to be a dispute and submit such dispute to an Independent Evaluator for the conduct of a determination pursuant to Section 23.10 (Dispute) of this Agreement. Any decision of the Independent Evaluator, rendered as a result of such dispute shall include a form of a Performance Standards Revision Document as described in Section 23.4 (Performance Standards Revision Document).
- 23.6 PUC Performance Standards Revision Order. No Performance Standards Revision Document shall constitute an amendment to the Agreement unless and until a PUC Performance Standards Revision Order issued with respect to such Document has become non-appealable. Once the condition of the preceding sentence has been satisfied, such Performance Standards Revision Document shall constitute an amendment to this Agreement. To be "non-appealable" under this Section 23.6 (PUC Performance Standards Revision Order), such PUC Performance Standards Revision Order shall be either (i) not subject to appeal to any Circuit Court of the State of Hawai'i or the Supreme Court of the State of Hawai'i, because the thirty (30) Day period (accounting for weekends and holidays as appropriate) permitted for such an appeal has passed without the filing of notice of such an appeal, or (ii) affirmed on appeal to any Circuit Court of the State of Hawai'i or the Supreme Court, or the Intermediate Appellate Court upon assignment by the Supreme Court, of the State of Hawai'i, or affirmed upon further appeal or appellate process, and is not subject to further appeal, because the jurisdictional time permitted for such an appeal (and/or further appellate process such as a motion for reconsideration or an application for writ of certiorari) has passed without the filing of notice of such an appeal (or the filing for further appellate process).
- 23.7 Company's Rights. The rights granted to Company under Section 23.4 (Performance Standards Revision Document) and Section 23.5 (Failure to Reach Agreement) above are exclusive to Company. Subscriber Organization shall not have a right to initiate negotiations of a Performance Standards Revision Document or to initiate dispute resolution under

Section 23.10 (Dispute), as a result of a failure to agree upon and execute any Performance Standards Revision Document.

- 23.8 Subscriber Organization's Obligation. Notwithstanding any provision of this Article 23 (Process for Addressing Revisions to Performance Standards) to the contrary, Subscriber Organization shall have no obligation to respond to more than one Performance Standards Information Request during any 12-month period.
- 23.9 Limited Purpose. This Article 23 (Process for Addressing Revisions to Performance Standards) is intended to specifically address necessary revisions to the Performance Standards and Telemetry and Control interfaces to enhance integration of intermittent resources and energy storage resources onto Company System, or to comply with future Laws which may be driven in part by higher integration of intermittent resources and/or energy storage resources, and is not intended for either Party to provide a means for renegotiating any other terms of this Agreement. Revisions to the Performance Standards in accordance with the provisions of this Article 23 (Process for Addressing Revisions to Performance Standards) are not intended to materially increase Subscriber Organization's risk of non-performance or default.
- 23.10 Dispute. If Company decides to declare a dispute as a result of the failure to reach agreement and execute a Performance Standards Revision Document pursuant to Section 23.5 (Failure to Reach Agreement), it shall provide written notice to that effect to Subscriber Organization. Within 20 Days of delivery of such notice Subscriber Organization and Company shall agree upon an Independent Evaluator to resolve the dispute regarding a Performance Standards Revision Document. The Independent Evaluator shall be reasonably qualified and expert in renewable energy power generation, matters relating to the Performance Standards, financing, and power purchase agreements. If the Parties are unable to agree upon an Independent Evaluator within such 20-Day period, Company shall apply to the PUC for the appointment of an Independent Evaluator. If an Independent Observer retained under the Competitive Bidding Framework is qualified and willing and available to serve as Independent Evaluator, the PUC shall appoint one of the persons or entities qualified to serve as an Independent Observer to be the Independent Evaluator; if not, the PUC shall appoint

another qualified person or entity to serve as Independent Evaluator. In its application, Company shall ask the PUC to appoint an Independent Evaluator within 30 Days of the application.

- (a) Promptly upon appointment, the Independent Evaluator shall request the Parties to address the following matters within the next 15 Days:
  - (1) The Performance Standard Revision(s);
  - (2) The technical feasibility of complying with the Performance Standard Revision(s) and likelihood of compliance;
  - (3) How Subscriber Organization would comply with the Performance Standard Revision(s);
  - (4) Reasonably expected net costs and/or lost revenues associated with the Performance Standards Revision(s);
  - (5) The appropriate level, if any, of Performance Standards Pricing Impact in light of the foregoing; and
  - (6) Contractual consequences for non-performance that are commercially reasonable under the circumstances.
- (b) Within 90 Days of appointment, the Independent Evaluator shall render a decision unless the Independent Evaluator determines it needs to have additional time, not to exceed 45 Days, to render a decision.
- (c) The Parties shall assist the Independent Evaluator throughout the process of preparing its review, including making key personnel and records available to the Independent Evaluator, but neither Party shall be entitled to participate in any meetings with personnel of the other Party or review of the other Party's records. However, the Independent Evaluator will have the right to conduct meetings, hearings or oral arguments in which both Parties are represented. The Parties may meet with each other during the review process to explore means of resolving the matter on mutually acceptable terms.

- (d) The following standards shall be applied by the Independent Evaluator in rendering his or her decision: (i) if it is not technically or operationally feasible for Subscriber Organization to comply with a Performance Standard Revision, the Independent Evaluator shall determine that the Agreement shall not be amended to incorporate such Performance Standard Revision (unless the Parties agree otherwise); (ii) if it is technically or operationally feasible for Subscriber Organization to comply with a Performance Standard Revision, the Independent Evaluator shall incorporate such Performance Standard Revision into a Performance Standards Revision Document including (aa) Subscriber Organization's Performance Standards Modifications, (bb) pricing terms that incorporate the Performance Standards Pricing Impact, and (cc) contract terms and conditions that are commercially reasonable under the circumstances, especially with respect to the consequences of non-performance by Subscriber Organization as to Performance Standards Revision(s). In addition to the Performance Standards Revision Document, the Independent Evaluator shall render a decision which sets forth the positions of the Parties and Independent Evaluator's rationale for his or her decisions on disputed issues.
- (e) The fees and costs of the Independent Evaluator shall be paid by Company up to the first \$30,000 of such fees and costs; above those amounts, the Party that is not the prevailing Party shall be responsible for any such fees and costs; provided, if neither Party is the prevailing Party, then the fees and costs of the Independent Evaluator above \$30,000, shall be borne equally by the Parties. The Independent Evaluator in rendering his or her decision shall also state which Party prevailed over the other Party, or that neither Party prevailed over the other.

23.11 HERA Law. The provisions of this Article 23 (Process for Addressing Revisions to Performance Standards) are without limitation to the obligations of the Parties under the HERA Law and the reliability standards and interconnection requirements developed and adopted by the PUC pursuant to the HERA Law.

ARTICLE 24  
FINANCIAL COMPLIANCE

- 24.1 Financial Compliance. Subscriber Organization shall provide or cause to be provided to Company on a timely basis, as reasonably determined by Company, all information, including but not limited to information that may be obtained in any audit referred to below (the "Financial Compliance Information"), reasonably requested by Company for purposes of permitting Company and its parent company, HEI, to comply with the requirements (initial and on-going) of (i) the accounting principles of Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") 810, Consolidation ("FASB ASC 810"), (ii) FASB ASC 842, Leases, (iii) Section 404 of the Sarbanes-Oxley Act of 2002 ("SOX 404"), and (iv) all clarifications, interpretations and revisions of and regulations implementing FASB ASC 810, SOX 404, and FASB ASC 842 issued by the FASB, Securities and Exchange Commission, the Public Company Accounting Oversight Board, Emerging Issues Task Force or other Governmental Authorities. In addition, if required by Company in order to meet its compliance obligations, Subscriber Organization shall allow Company or its independent auditor to audit, to the extent reasonably required, Subscriber Organization's financial records, including its system of internal controls over financial reporting; provided, however, that Company shall be responsible for all costs associated with the foregoing, including but not limited to Subscriber Organization's reasonable internal costs. Company shall limit access to such Financial Compliance Information to persons involved with such compliance matters and restrict persons involved in Company's monitoring, dispatch or scheduling of Subscriber Organization and/or Facility, or the administration of this Agreement, from having access to such Financial Compliance Information (unless approved in writing in advance by Subscriber Organization).
- 24.2 Confidentiality. Company shall, and shall cause HEI to, maintain the confidentiality of the Financial Compliance Information as provided in this Article 24 (Financial Compliance). Company may share the Information on a confidential basis with HEI and the independent auditors and attorneys for HEI. (Company, HEI, and their respective independent auditors and attorneys are collectively referred to in this Article 24 (Financial Compliance) as "Recipient".) If either Company or HEI, in the exercise of their respective reasonable judgments, concludes that



consolidation or financial reporting with respect to Subscriber Organization and/or this Agreement is necessary, Company and HEI each shall have the right to disclose such of the Financial Compliance Information as Company or HEI, as applicable, reasonably determines is necessary to satisfy applicable disclosure and reporting or other requirements and give Subscriber Organization prompt written notice thereof (in advance to the extent practicable under the circumstances). If Company or HEI disclose Financial Compliance Information pursuant to the preceding sentence, Company and HEI shall, without limitation to the generality of the preceding sentence, have the right to disclose Financial Compliance Information to the PUC and the Division of Consumer Advocacy of the Department of Commerce and Consumer Affairs of the State of Hawai'i ("Consumer Advocate") in connection with the PUC's rate making activities for Company and other HEI affiliated entities, provided that, if the scope or content of the Financial Compliance Information to be disclosed to the PUC exceeds or is more detailed than that disclosed pursuant to the preceding sentence, such Financial Compliance Information will not be disclosed until the PUC first issues a protective order to protect the confidentiality of such Financial Compliance Information. Neither Company nor HEI shall use the Financial Compliance Information for any purpose other than as permitted under this Article 24 (Financial Compliance).

- 24.3 Required Disclosure. In circumstances other than those addressed in Section 24.2 (Confidentiality), if any Recipient becomes legally compelled under applicable Laws or by legal process (e.g., deposition, interrogatory, request for documents, subpoena, civil investigative demand or similar process) to disclose all or a portion of the Financial Compliance Information, such Recipient shall undertake reasonable efforts to provide Subscriber Organization with prompt notice of such legal requirement prior to disclosure so that Subscriber Organization may seek a protective order or other appropriate remedy and/or waive compliance with the terms of this Article 24 (Financial Compliance). If such protective order or other remedy is not obtained, or if Subscriber Organization waives compliance with the provisions at this Article 24 (Financial Compliance), Recipient shall furnish only that portion of the Financial Compliance Information which it is legally required to so furnish and to use reasonable efforts to

obtain assurance that confidential treatment will be accorded to any disclosed material.

- 24.4 Exclusions from Confidentiality. The obligation of nondisclosure and restricted use imposed on each Recipient under this Article 24 (Financial Compliance) shall not extend to any portion(s) of the Financial Compliance Information which (i) was known to such Recipient prior to receipt, or (ii) without the fault of such Recipient is available or becomes available to the general public, or (iii) is received by such Recipient from a Third Party not bound by an obligation or duty of confidentiality.
- 24.5 Consolidation. Company does not want to be subject to consolidation as set forth in FASB ASC 810, as issued and amended from time to time by FASB. Company represents that, as of the Execution Date, it is not required to consolidate Subscriber Organization into its financial statements in accordance with relevant accounting guidance under U.S. generally accepted accounting principles ("GAAP"). If, due to a change in applicable law or accounting guidance under U.S. GAAP, or as a result of a material amendment to the Agreement, in each case, after the Execution Date, Company determines, in its sole but good faith discretion, that it is required to consolidate Subscriber Organization into its financial statements in accordance with relevant accounting guidance in accordance with U.S. GAAP, then Subscriber Organization, upon Company's written request, shall, as soon as reasonably practicable (but in no event longer than fifteen (15) Days) provide audited financial statements (including footnotes) in accordance with U.S. GAAP (and as of the reporting periods Company is required to report thereafter) in order for Company to consolidate and file its financial statements within the reporting deadlines of the Securities and Exchange Commission; provided, however, that if Subscriber Organization does not normally prepare audited financial statements for the periods requested, Company shall reimburse Subscriber Organization fifty percent (50%) of the reasonable costs of having necessary audits performed and preparation of the audited financial statement; provided, further that the foregoing reimbursement shall only apply if Subscriber Organization normally prepares financial statements on an annual basis. Notwithstanding the foregoing requirement that Subscriber Organization provide audited financial statements to Company, the Parties will take all commercially reasonable steps, which may include modification of this Agreement to eliminate the

consolidation treatment, while preserving the economic "benefit of the bargain" to both Parties. If the Parties are unable to eliminate the consolidation treatment by other means, the Parties shall effectuate a sale of the Facility to Company at (i) if the sale occurs before the end of the thirteenth (13<sup>th</sup>) Contract Year, the greater of the Make Whole Amount determined pursuant to Section 6 (Make Whole Amount) of Attachment P (Sale of Facility of Subscriber Organization) or the fair market value determined pursuant to Section 3 (Procedure to Determine Fair Market Value of the Facility) of Attachment P (Sale of Facility by Subscriber Organization), or (ii) if the sale occurs on or after the beginning of the fourteenth (14<sup>th</sup>) Contract Year, the fair market value determined pursuant to Section 3 (Procedure to Determine Fair Market Value of the Facility) of Attachment P (Sale of Facility by Subscriber Organization), but not less than the Financial Termination Costs determined pursuant to Section 6 (Make Whole Amount) of Attachment P (Sale of Facility by Subscriber Organization), in either case under a Purchase and Sale Agreement to be negotiated based on the terms and conditions set forth in Section 4 (Purchase and Sale Agreement) of Attachment P (Sale of Facility by Subscriber Organization).

ARTICLE 25  
GOOD ENGINEERING AND OPERATING PRACTICES

- 25.1 General. Each Party agrees to install, operate and maintain its respective equipment and facility and to perform all obligations required to be performed by such Party under this Agreement in accordance with Good Engineering and Operating Practices and applicable Laws.
- 25.2 Specifications, Determinations and Approvals. Wherever in this Agreement Company has the right to give specifications, determinations or approvals, such specifications, determinations or approvals shall be given in accordance with Company's standard practices, policies and procedures and shall not be unreasonably withheld.
- 25.3 No Endorsement, Warranty or Waiver. Any such specifications, determinations, or approvals shall not be deemed to be an endorsement, warranty, or waiver of any right of Company.
- 25.4 Consultants List. Prior to the Commercial Operations Date, the Parties shall agree on a list of names of engineering firms to be attached as Attachment D (Consultants List) in accordance with Section 4 (Maintenance of Subscriber Organization-Owned Interconnection Facilities) of Attachment B (Facility Owned by Subscriber Organization).

ARTICLE 26  
EQUAL EMPLOYMENT OPPORTUNITY

- 26.1 Equal Employment Opportunity. (Applicable to all contracts of \$10,000 or more in the whole or aggregate. 41 CFR 60-1.4 and 41 CFR 60-741.5.) Subscriber Organization is aware of and is fully informed of Subscriber Organization's responsibilities under Executive Order 11246 (reference to which include amendments and orders superseding in whole or in part) and shall be bound by and agrees to the applicable provisions as contained in Section 202 of said Executive Order and the Equal Opportunity Clause as set forth in 41 CFR 60-1.4 and 41 CFR 60-741.5(a), which clauses are hereby incorporated by reference.
- 26.2 Equal Opportunity For Disabled Veterans, Recently Separated Veterans, Other Protected Veterans and Armed Forces Service Medal Veterans. Applicable to (i) contracts of \$25,000 or more entered into before December 31, 2003 (41 CFR 60-250.4) or (ii) each federal government contract of \$100,000 or more, entered into or modified on or after December 31, 2003 (41 CFR 60-300.4) for the purchase, sale or use of personal property or nonpersonal services (including construction.) If applicable to Subscriber Organization under this Agreement, Subscriber Organization agrees that it is, and shall remain, in compliance with the rules and regulations promulgated under The Vietnam Era Veterans Readjustment Assistance Act of 1974, as amended by the Jobs for Veterans Act of 2002, including the requirements of 41 CFC 60-250.5(a) (for orders/contracts entered into before December 31, 2003) and 41 CFR 60-300.5(a) (for orders/contracts entered into or modified on or after December 31, 2003) which are incorporated into this Agreement by reference.

ARTICLE 27  
SET OFF

Company shall have the right to set off any payment due and owing by Subscriber Organization, including but not limited to any payment under this Agreement and any payment due under any award made under Article 28 (Dispute Resolution), against Company's payments of subsequent monthly invoices as necessary.

ARTICLE 28  
DISPUTE RESOLUTION

- 28.1 Good Faith Negotiations. Except as otherwise expressly set forth in this Agreement, before submitting any claims, controversies or disputes ("Dispute(s)") under this Agreement to the Dispute Resolution Procedures set forth in Section 28.2 (Dispute Resolution Procedures, Mediation), the presidents, vice presidents, or authorized delegates from both Subscriber Organization and Company having full authority to settle the Dispute(s), shall personally meet in Hawai'i and attempt in good faith to resolve the Dispute(s) (the "Management Meeting").
- 28.2 Dispute Resolutions Procedures, Mediation. Except as otherwise expressly set forth in this Agreement and subject to Section 28.1 (Good Faith Negotiations), any and all Dispute(s) arising out of or relating to this Agreement, (i) which remain unresolved for a period of 20 Days after the Management Meeting takes place or (ii) for which the Parties fail to hold a Management Meeting within 60 Days of the date that a Management Meeting was requested by a Party, may upon the agreement of the Parties, first be submitted to confidential mediation in Honolulu, Hawai'i pursuant to the administration by, and in accordance with the Mediation Rules, Procedures and Protocols of, Dispute Prevention & Resolution, Inc. (or its successor) or, in their absence, the American Arbitration Association ("DPR") then in effect. If the Parties agree to submit the dispute to confidential mediation, the parties shall each pay 50% of the cost of the mediation (i.e., the fees and expenses charged by the mediator and DPR) and shall otherwise each bear their own mediation costs and attorneys' fees. If the Parties do not submit the Dispute(s) to mediation, or if they do submit the Dispute(s) to mediation but settlement of the Dispute(s) is not reached within 60 Days after commencement of the mediation, either Party may initiate legal proceedings in a court of competent jurisdiction in the State of Hawai'i.
- 28.3 Exclusions. The provisions of this Article 28 (Dispute Resolution) shall not apply to any disputes within the authority of any of (i) an Independent Evaluator under Article 23 (Process for Addressing Revisions to Performance Standards), (ii) an Independent AF Evaluator under Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) or (iii) an OEPR Evaluator under

Attachment U (Calculation and Adjustment of Net Energy Potential).

- 28.4 Document Retention. If either party initiates dispute resolution under this Article 28 (Dispute Resolution), then each Party must retain and preserve all records, including documents, which may be relevant to such Dispute, in accordance with applicable Laws until such Dispute is resolved.



ARTICLE 29  
MISCELLANEOUS

29.1 Amendments. Any amendment or modification of this Agreement or any part hereof shall not be valid unless in writing and signed via manual signature by the Parties. Any waiver hereunder shall not be valid unless in writing and signed via manual signature by the Party against whom waiver is asserted. Notwithstanding the foregoing, administrative changes mutually agreed by Company and Subscriber Organization in writing, such as changes to settings shown in Attachment E (Single-Line Drawing and Interface Block Diagram) and Attachment F (Relay List and Trip Scheme) and changes to numerical values of Performance Standards in Section 3 (Performance Standards) of Attachment B (Facility Owned by Subscriber Organization) shall not be considered amendments to this Agreement requiring PUC approval.

29.2 Binding Effect. This Agreement shall be binding upon and inure to the benefit of the Parties hereto and their respective successors, legal representatives, and permitted assigns.

29.3 Notices.

- (a) All notices, consents and waivers under this Agreement shall be in writing and will be deemed to have been duly given when (i) delivered by hand, (ii) sent by electronic mail ("E-mail") (provided receipt thereof is confirmed via E-mail or in writing by recipient), (iii) sent by certified mail, return receipt requested, or (iv) when received by the addressee, if sent by a nationally recognized overnight delivery service (receipt requested), in each case to the appropriate addresses and E-mail Addresses set forth below (or to such other addresses and E-mail addresses as a Party may designate by notice to the other Party):

Company:

By Mail:

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Delivered By Hand or Overnight Delivery:

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By E-mail:

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With a copy to:

By Mail:

Hawaiian Electric Company, Inc.  
Legal Division  
P.O. Box 2750  
Honolulu, Hawai'i 96840

By E-mail:

Hawaiian Electric Company, Inc.  
Legal Division  
Email: legalnotices@hawaiianelectric.com

**Subscriber Organization:** The contact information listed in Attachment A (Description of Generation, Conversion and Storage Facility) hereto.

- (b) Notice sent by mail shall be deemed to have been given on the date of actual delivery or at the expiration of the fifth Day after the date of mailing, whichever is earlier. Any Party hereto may change its address for written notice by giving written notice of such change to the other Party hereto.
- (c) Any notice delivered by E-mail shall request a receipt thereof confirmed by E-mail or in writing by the recipient and followed by personal or mail delivery of such correspondence any attachments as may be requested by the recipient, and the effective date of such notice shall be the date of receipt, provided such receipt has been confirmed by the recipient.

- (d) The Parties may agree in writing upon additional means of providing notices, consents and waivers under this Agreement in order to adapt to changing technology and commercial practices.
- 29.4 Effect of Section and Attachment Headings. The Table of Contents and paragraph headings of the various sections and attachments have been inserted in this Agreement as a matter of convenience for reference only and shall not modify, define or limit any of the terms or provisions hereof and shall not be used in the interpretation of any term or provision of this Agreement.
- 29.5 Non-Waiver. Except as otherwise provided in this Agreement, no delay or forbearance of Company or Subscriber Organization in the exercise of any remedy or right will constitute a waiver thereof, and the exercise or partial exercise of a remedy or right shall not preclude further exercise of the same or any other remedy or right.
- 29.6 Relationship of the Parties. Nothing in this Agreement shall be deemed to constitute either Party hereto as partner, agent or representative of the other Party or to create any fiduciary relationship between the Parties. Subscriber Organization does not hereby dedicate any part of Facility to serve Company, Company's customers or the public.
- 29.7 Entire Agreement. This Agreement and the IRS Letter Agreements (together with any confidentiality or non-disclosure agreements entered into by the Parties during the process of negotiating this Agreement and/or discussing the specifications of the Facility) constitutes the entire agreement between the Parties relating to the subject matter hereof, superseding all prior agreements, understandings or undertakings, oral or written. Each of the Parties confirms that in entering into this Agreement, it has not relied on any statement, warranty or other representations (other than those set out in this Agreement) made or information supplied by or on behalf of the other Party.
- 29.8 Governing Law, Jurisdiction and Venue. Interpretation and performance of this Agreement shall be in accordance with, and shall be controlled by, the laws of the State of Hawai'i, other than the laws thereof that would require reference to the laws of any other jurisdiction. By entering into this Agreement, Subscriber Organization

submits itself to the personal jurisdiction of the courts of the State of Hawai'i and agrees that the proper venue for any civil action arising out of or relating to this Agreement shall be Honolulu, Hawai'i.

- 29.9 Limitations. Nothing in this Agreement shall limit Company's ability to exercise its rights as specified in Company's Tariff as filed with the PUC, or as specified in General Order No. 7 of the PUC's Standards for Electric Utility Service in the State of Hawai'i, as either may be amended from time to time.
- 29.10 Further Assurances. If either Party determines in its reasonable discretion that any further instruments, assurances or other things are necessary or desirable to carry out the terms of this Agreement, the other Party will execute and deliver all such instruments and assurances and do all things reasonably necessary or desirable to carry out the terms of this Agreement.
- 29.11 Electronic Signatures and Counterparts. The parties agree that this Agreement and any subsequent writings, including amendments, may be executed and delivered by exchange of executed copies via E-mail or other acceptable electronic means, and in electronic formats such as Adobe PDF or other formats mutually agreeable between the parties which preserve the final terms of this Agreement or such writing. A party's signature transmitted by facsimile, E-mail, or other acceptable electronic means shall be considered an "original" signature which is binding and effective for all purposes of this Agreement. This Agreement may be executed in counterparts, each of which shall be deemed an original, and all of which shall together constitute one and the same instrument binding all Parties notwithstanding that all of the Parties are not signatories to the same counterparts. For all purposes, duplicate unexecuted and unacknowledged pages of the counterparts may be discarded and the remaining pages assembled as one document.
- 29.12 Definitions. Capitalized terms used in this Agreement and not otherwise defined in the context in which they first appear are defined in the Definitions Section.
- 29.13 Severability. If any term or provision of this Agreement, or the application thereof to any person, entity or circumstances is to any extent invalid or unenforceable, the remainder of this Agreement, or the application of such term

or provision to persons, entities or circumstances other than those as to which it is invalid or unenforceable, shall not be affected thereby, and each term and provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law, and the Parties will take all commercially reasonable steps, including modification of the Agreement, to preserve the economic "benefit of the bargain" to both Parties notwithstanding any such aforesaid invalidity or unenforceability.

- 29.14 Settlement of Disputes. Except as otherwise expressly provided, any dispute or difference arising out of this Agreement or concerning the performance or the non-performance by either Party of its obligations under this Agreement shall be determined in accordance with the dispute resolution procedures set forth in Article 28 (Dispute Resolution) of this Agreement.
- 29.15 Environmental Credits and RPS. To the extent not prohibited by law, Company shall have the sole and exclusive right to use the electric energy purchased hereunder to meet RPS and any Environmental Credit shall be the property of Company; provided, however, that such Environmental Credits shall be to the benefit of Company's ratepayers in that the value must be credited "above the line". Subscriber Organization shall use all commercially reasonable efforts to ensure such Environmental Credits are vested in Company, and shall execute all documents, including, but not limited to, documents transferring such Environmental Credits, without further compensation; provided, however, that Company agrees to pay for all reasonable costs associated with such efforts and/or documentation.
- 29.16 Schedule of Defined Terms and Attachments. The Schedule of Defined Terms and each Attachment to this Agreement constitute essential and necessary parts of this Agreement.
- 29.17 Proprietary Rights. Subscriber Organization agrees that in fulfilling its responsibilities under this Agreement, it will not use any process, program, design, device or material that infringes on any United States patent, trademark, copyright or trade secret ("Proprietary Rights"). Subscriber Organization agrees to indemnify, defend and hold harmless the Indemnified Company Party from and against all losses, damages, claims, fees and costs, including but not limited to reasonable attorneys' fees and costs, arising from or incidental to any suit or proceeding brought against

the Indemnified Company Party for infringement of Third Party Proprietary Rights arising out of Subscriber Organization's performance under this Agreement, including but not limited to patent infringement due to the use of technical features of the Facility to meet the Performance Standards specified in the Agreement.

29.18 Negotiated Terms. The Parties agree that the terms and conditions of this Agreement are the result of negotiations between the Parties and that this Agreement shall not be construed in favor of or against any Party by reason of the extent to which any Party or its professional advisors participated in the preparation of this Agreement.

29.19 Computation of Time. In computing any period of time prescribed or allowed under this Agreement, the Day of the act, event or default from which the designated period of time begins to run shall not be included. If the last Day of the period so computed is not a Business Day, then the period shall run until the end of the next Day which is a Business Day.

29.20 PUC Approval.

(a) PUC Approval Order. The term "PUC Approval Order" means an order from the PUC that does not contain terms and conditions deemed to be unacceptable by Company, and is in a form deemed to be reasonable by Company, in its sole, but nonarbitrary, discretion, ordering that:

- (1) this Agreement is approved;
- (2) Company is authorized to include the purchased energy costs (and related revenue taxes) that Company incurs under this Agreement in Company's Energy Cost Recovery Clause, or equivalent, to the extent such costs are not included in Base Rates for the Term;
- (3) Company is authorized to include the Lump Sum Payment that Company incurs under this Agreement in Company's Purchase Power Adjustment Clause, to the extent such costs are not included in Base Rates for the Term;
- (4) the purchased energy costs and the Lump Sum Payment to be incurred by Company as a result of this Agreement are reasonable; and

- (5) Company's purchased power arrangements under this Agreement, pursuant to which Company will purchase [energy and **(Only if PPA has energy payment)**] renewable dispatchable generation from Subscriber Organization, are prudent and in the public interest.
- (b) Non-appealable PUC Approval Order. The term "Non-appealable PUC Approval Order" means a PUC Approval Order (i) that is not subject to appeal to any Circuit Court of the State of Hawai'i, Intermediate Court of Appeals of the State of Hawai'i, or the Supreme Court of the State of Hawai'i, because the period permitted for such an appeal (the "Appeal Period") has passed without the filing of notice of such an appeal, or (ii) that was affirmed on appeal to any Circuit Court of the State of Hawai'i, Intermediate Court of Appeals of the State of Hawai'i, or the Supreme Court of the State of Hawai'i, or was affirmed upon further appeal or appellate process, and that is not subject to further appeal, because the jurisdictional time permitted for such an appeal and/or further appellate process such as a motion for reconsideration or an application for writ of certiorari has passed without the filing of notice of such an appeal or the filing for further appellate process.
- (c) Company's Written Statement. Not later than thirty-five (35) Days after the issuance of a PUC order approving this Agreement, Company shall provide Subscriber Organization with a copy of such order together with a written statement as to whether the conditions set forth in Section 29.20(a) (PUC Approval Order) have been met and the order constitutes a PUC Approval Order. If Company's written statement declares that the conditions set forth in Section 29.20(a) (PUC Approval Order) have been satisfied, the date of the issuance of the PUC Approval Order shall be the "PUC Approval Order Date".
- (d) Non-appealable PUC Approval Order Date. If Company provides the written statement referred to in Section 29.20(c) (Company's Written Statement) to the effect that the conditions referred to in Section 29.20(a) (PUC Approval Order) have been satisfied, the term "Non-appealable PUC Approval Order Date" shall be defined as follows:

- (1) If a PUC Approval Order is issued and is not made subject to a motion for reconsideration or clarification filed with the PUC or an appeal, the Non-appealable PUC Approval Order Date shall be the date one Day after the expiration of the Appeal Period following the issuance of the PUC Approval Order, or the date of Company's written statement as required under Section 29.20(c) (Company's Written Statement), whichever is later;
  - (2) If the PUC Approval Order became subject to a motion for reconsideration or clarification, and the motion for reconsideration or clarification is denied or the PUC Approval Order is affirmed after reconsideration or clarification, and such order is not made subject to an appeal, the Non-appealable PUC Approval Order Date shall be deemed to be the date one Day after the expiration of the Appeal Period following the order denying reconsideration of or clarification of, or affirming, the PUC Approval Order; or
  - (3) If the PUC Approval Order, or an order denying reconsideration or clarification of the PUC Approval Order or affirming approval of the PUC Approval Order after reconsideration or clarification, becomes subject to an appeal, then the Non-appealable PUC Approval Order Date shall be the date upon which the PUC Approval Order becomes a non-appealable order within the meaning of the definition of a Non-Appealable PUC Approval Order in Section 29.20(b) (Non-appealable PUC Approval Order).
- (e) Unfavorable PUC Order. The term "Unfavorable PUC Order" means an order from the PUC concerning this Agreement that: (i) dismisses Company's application; (ii) denies Company's application; or (iii) approves Company's application but contains terms and conditions deemed unacceptable by Company in its sole discretion and therefore does not meet the definition of a PUC Approval Order as set forth in Section 29.20(a) (PUC Approval Order).

#### 29.21 Community Outreach.



- (a) The Parties acknowledge that, prior to the Execution Date, Subscriber Organization provided to Company a comprehensive community outreach and communications plan to work with and inform neighboring communities and stakeholders to gain their support for the Project ("Community Outreach and Engagement Plan"). Subscriber Organization agrees to work with neighboring communities and stakeholders and provide them timely information during all phases of the Project, including but not limited to the following information: Project description, Project stakeholders, community concerns and Subscriber Organization's efforts to address such concerns, Project benefits, government approvals, Project schedule, and a Community Outreach and Engagement Plan. Subscriber Organization's Community Outreach and Engagement Plan is a public document and shall remain available to members of the community on the Subscriber Organization's website for the Term of this Agreement and upon request. Subscriber Organization shall also provide Company with links to its Project website and Community Outreach and Engagement Plan.
- (b) The Parties also acknowledge that, prior to the Execution Date, Subscriber Organization provided reasonable advance notice and hosted a public meeting for community and neighborhood groups in and around the vicinity of the Project site that provided neighboring community, stakeholders, and the general public with: (i) a reasonable opportunity to learn about the proposed Project; (ii) an opportunity to engage in a dialogue about concerns, mitigation measures, and potential community benefits of the proposed Project; and (iii) information concerning the process and/or intent for the public's input and engagement, including advising attendees that they will have thirty (30) Days from the date of said public meeting to submit written comments to Company and/or Subscriber Organization for inclusion in the Company's submission to the PUC of its application for a satisfactory PUC Approval Order. Subscriber Organization shall collect all public comments, and then provide Company copies of all comments received in their original, unedited form, along with copies of all comments with personal information redacted and ready for filing. Subscriber Organization agrees that Company may submit any and all

public comments (presented in its original, unedited form) as part of its PUC application for this Project.

- (c) Subscriber Organization acknowledges and agrees that subsequent to the PUC Submittal Date and prior to the date when the Parties' statements of position are to be filed in the docketed PUC proceeding for this Project, Subscriber Organization will solicit public comments concerning the Project a second time. Subscriber Organization will submit to the PUC as part of the docketed PUC proceeding for this Project, any and all public comments (presented in its original, unedited form) received by Company and/or Subscriber Organization regarding the Project that are not received in time to include as part of the Company's application for a satisfactory PUC Approval Order.
- (d) The Parties acknowledge and agree that Subscriber Organization is responsible for community outreach and engagement for the Project, and that the public meeting and comment solicitation process described in this Section 29.21 (Community Outreach) do not represent the only community outreach and engagement activities that can or should be performed by Subscriber Organization. Without limitation to the generality of the preceding sentence, Subscriber Organization agrees to take into account the Project's potential impacts on historical and cultural resources and, at a minimum, Subscriber Organization shall describe: (i) any valued cultural, historical, or natural resources in the area in question, including the extent to which traditional and customary native Hawaiian rights are exercised in the area; (ii) the extent to which those resources - including traditional and customary native Hawaiian rights - will be affected or impaired by the Project; and (iii) the feasible action, if any, to be taken to reasonably protect native Hawaiian rights if they are found to exist. Subscriber Organization shall determine and implement such additional means as may be reasonably necessary to share information with and involve the community and neighborhood groups in and around the vicinity of the Facility during the Project planning and development process through the Term of this Agreement, and shall timely inform Company of its plans and activities in this regard.

- (e) Upon the Execution Date and at all times during the Term of this Agreement, Subscriber Organization shall designate an individual as the "Subscriber Organization's Community Representative." The Subscriber Organization's Community Representative shall be the primary contact between the community and the Subscriber Organization and shall be available during the Term of this Agreement to receive and answer questions from the community. As of the Execution Date, the Subscriber Organization's Community Representative shall be:

Name: [name of Subscriber Organization's Community Representative]

Contact Information: [email address]

Subscriber Organization shall notify Company in writing upon designation of any new Subscriber Organization's Community Representative.

29.22 Change in Standard System or Organization.

- (a) Consistent With Original Intent. If, during the Term, any standard, system or organization referenced in this Agreement should be modified or replaced in the normal course of events, such modification or replacement shall from that point in time be used in this Agreement in place of the original standard, system or organization, but only to the extent such modification or replacement is generally consistent with the original spirit and intent of this Agreement.
- (b) Eliminated or Inconsistent With Original Intent. If, during the Term, any standard system or organization referenced in this Agreement should be eliminated or cease to exist, or is modified or replaced and such modification or replacement is inconsistent with the original spirit and intent of this Agreement, then in such event the Parties will negotiate in good faith to amend this Agreement to a standard, system or organization that would be consistent with the original spirit and intent of this Agreement.

29.23 No Third Party Beneficiaries. Nothing expressed or referred to in this Agreement will be construed to give any person or entity other than the Parties any legal or equitable right,

remedy, or claim under or with respect to this Agreement or any provision of this Agreement. This Agreement and all of its provisions and conditions are for the sole and exclusive benefit of the Parties and their successors and permitted assigns.

29.24 Hawai'i General Excise Tax. Subscriber Organization shall, when making payments to Company under this Agreement, pay such additional amount as may be necessary to reimburse Company for the Hawai'i general excise tax on gross income and all other similar taxes imposed on Company by any Governmental Authority with respect to payments in the nature of gross receipts tax, sales tax, privilege tax or the like (including receipt of any payment made under this Section 29.24 (Hawai'i General Excise Tax)), but excluding federal or state net income taxes. By way of example and not limitation, as of the Execution Date, all payments subject to the Hawai'i general excise tax on Maui (totaling 4.0% as of the Execution Date) would include an additional 4.1666% so that the underlying payment will be net of such tax liability.

29.25 Survival of Obligations. The rights and obligations that are intended to survive a termination of this Agreement are all of those rights and obligations that this Agreement expressly provides shall survive any such termination and those that arise from Subscriber Organization's or Company's covenants, agreements, representations, and warranties applicable to, or to be performed, at or during any time prior to or as a result of the termination of this Agreement, including, without limitation:

- (a) The obligation to pay Daily Delay Damages under Section 13.4 (Damages and Termination);
- (b) The obligation to pay Termination Damages under Article 16 (Damages in the Event of Termination by Company);
- (c) The indemnity obligations under Article 17 (Indemnification) and Section 29.17 (Proprietary Rights);
- (d) The dispute resolution provisions of Article 28 (Dispute Resolution);
- (e) Section 29.3 (Notices), Section 29.5 (Non-Waiver), Section 29.8 (Governing Law, Jurisdiction and Venue),

Section 29.9 (Limitations), Section 29.13 (Severability), Section 29.14 (Settlement of Disputes), Section 29.15 (Environmental Credits and RPS), Section 29.17 (Proprietary Rights), Section 29.19 (Computation of Time), Section 29.23 (No Third Party Beneficiaries), Section 29.24 (Hawai'i General Excise Tax), Section 29.25 (Survival of Obligations), Section 7 (Land Restoration) of Attachment G (Company-Owned Interconnection Facilities) and Section 1(d) (Subscriber Organization's Right to Transfer) and Section 2(d) (Right of First Refusal) of Attachment P (Sale of Facility by Subscriber Organization); and

- (f) Subscriber Organization's obligations under Section 3 (Subscriber Organization Payment To Company for Company-Owned Interconnection Facilities and Review Of Facility) of Attachment G (Company-Owned Interconnection Facilities) to pay interconnection costs and Section 4 (Ongoing Operation and Maintenance Charges) of Attachment G (Company-Owned Interconnection Facilities) to pay operation and maintenance costs incurred up to the date of termination of the Agreement.

29.26 Certain Rules of Construction. For purposes of this Agreement:

- (a) "Including" and any other words or phrases of inclusion will not be construed as terms of limitation, so that references to "included" matters will be regarded as non-exclusive, non-characterizing illustrations.
- (b) "Copy" or "copies" means that the copy or copies of the material to which it relates are true, correct and complete.
- (c) When "Article," "Section," "Schedule," or "Attachment" is capitalized in this Agreement, it refers to an article, section, schedule or attachment to this Agreement.
- (d) "Will" has the same meaning as "shall" and, thus, connotes an obligation and an imperative and not a futurity.
- (e) Titles and captions of or in this Agreement, the cover sheet and table of contents of this Agreement, and language in parenthesis following Section references are

inserted only as a matter of convenience and in no way define, limit, extend or describe the scope of this Agreement or the intent of any of its provisions.

- (f) Whenever the context requires, the singular includes the plural and plural includes the singular, and the gender of any pronoun includes the other genders.
- (g) Any reference to any statutory provision includes each successor provision and all applicable Laws as to that provision.

29.27 Agreement is Not a Design or Construction Contract. This Agreement is not a design or construction contract. The Parties acknowledge and agree that Subscriber Organization will finance and develop the Facility for Subscriber Organization to own and operate. Subscriber Organization is not a design professional or a contractor. Subscriber Organization is not hereby undertaking to perform and is not holding itself out or offering to perform any work for which a professional or contractor's license may be required under the laws of the State of Hawai'i. Notwithstanding anything to the contrary, all work related to the design, engineering, and construction of the Facility shall be performed by design professionals and contractors who hold the appropriate licenses issued by the State of Hawai'i and intend to develop the Facility in full compliance with all applicable state laws. For the avoidance of doubt, in all instances where this Agreement refers to Subscriber Organization performing the acts of constructing, building or installing, said language shall be interpreted to mean that such work will be performed by duly licensed contractors properly retained by Subscriber Organization in accordance with laws of the State of Hawai'i.

**[Signatures for PPA for Renewable Dispatchable Generation  
appear on the following page]**

IN WITNESS WHEREOF, Company and Subscriber Organization have executed this Agreement as of the day and year first above written.

**MAUI ELECTRIC COMPANY, LIMITED**

By \_\_\_\_\_  
Name:  
Its:

By \_\_\_\_\_  
Name:  
Its:

("Company")

**[NAME OF PROJECT ENTITY]**

By \_\_\_\_\_  
Name:  
Its:

By \_\_\_\_\_  
Name:  
Its:

("Subscriber Organization")

SCHEDULE OF DEFINED TERMS

For the purposes of this Agreement, the following capitalized terms shall have the meanings set forth below:

"Acceptance Notice": Shall have the meaning set forth in Section 1(a)(ii) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Acceptance Test": A test conducted by Subscriber Organization and witnessed by Company, within thirty (30) Days of completion of all Interconnection Facilities and in accordance with criteria and test procedures determined by Company and Subscriber Organization as set forth in Section 2(f) (Acceptance Test Procedure) of Attachment G (Company-Owned Interconnection Facilities), to determine conformance with Article 3 (Facility Owned and/or Operated by Subscriber Organization) and Attachment G (Company-Owned Interconnection Facilities) and Good Engineering and Operating Practices. Attachment N (Acceptance Test General Criteria) provides general criteria to be included in the written protocol for the Acceptance Test. Successful completion of the Acceptance Test shall be a condition precedent for the performance of the Control System Acceptance Test and the Commercial Operations Date.

"Account Holder": The primary account holder for each physical residence or business address on the island serviced by the Company, as identified in Company's records. An Account Holder is not a Subscriber until such Account Holder has been successfully enrolled in Facility's CBRE Program.

"Active Power Control Interface": Shall have the meaning set forth in Section 1(g) (Active Power Control Interface) of Attachment B (Facility Owned by Subscriber Organization) of this Agreement.

"Actual Output": The total quantity of electric energy (measured in kilowatt hours) produced by the Facility over a given time period and delivered to the Point of Interconnection, as measured by the revenue meter. "Actual Output" is the equivalent of "Net Energy."

"Agreement": Shall have the meaning set forth in the preamble to this Agreement.

"Allowed Capacity": Shall have the meaning set forth in Section 5(e) of Attachment A (Description of Generation, Conversion and Storage Facility) to this Agreement.



"Appeal Period": Shall have the meaning set forth in Section 29.20(b) (Non-appealable PUC Approval Order) of this Agreement.

"Applicable Period Lump Sum Payment": For each applicable period, the total amount of Lump Sum Payment payable during such period, as such amount may be calculated and adjusted from time to time as set forth in Section 2.3 (Lump Sum Payment) of this Agreement and/or Section 3 (Calculation of Lump Sum Payment) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement, including but not limited to any downward adjustment made pursuant to Section 3.iv of said Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS), but excluding any set-off of liquidated damages under Section 2.11 (Payment of Liquidated Damages for Failure to Achieve Performance Metrics; Limitation on Liquidated Damages). For purposes of calculating liquidated damages under Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages), the "Applicable Period Lump Sum Payment" is the monthly Lump Sum Payment payable for the last calendar month of the LD Period in question. For purposes of calculating liquidated damages under Section 2.6(c) (GPR Performance Metric and Liquidated Damages), the "Applicable Period Lump Sum Payment" is the monthly Lump Sum Payments payable for the last calendar month of the MPR Assessment Period in question. For purposes of calculating liquidated damages under Section 2.7(a) (BESS Capacity Test and Liquidated Damages), Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages) and Section 2.9 (BESS Annual Equivalent Forced Outage Factor; Liquidated Damages) and Section 2.10(a) (RTE Test and Liquidated Damages), the "Applicable Period Lump Sum Payment" is the total of the monthly Lump Sum Payments payable for the three months of the BESS Measurement Period in question.

"Applicable NEP Verification Date": For the Initial OEPR, the Initial NEP Verification Date. For any Subsequent OEPR, the first Day of the calendar month following the calendar month during which there occurs the first anniversary of the event (e.g., completion of equipment replacement) which occasioned the preparation of such Subsequent OEPR.

"Appraised Fair Market Value of the Facility": Shall have the meaning set forth in Section 3(d) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Baseline SO Payment": For each calendar month, the balance of the monthly Lump Sum Payment remaining after deducting the dollar value of all Bill Credits.

"Battery Energy Storage System" or "BESS": The battery energy storage system as described in Section 5 (Equipment) of Attachment A (Description of Generation, Conversion and Storage Facility) to this Agreement, together with all other equipment, devices, and associated appurtenances owned, controlled, operated and managed by Subscriber Organization in connections, with or to facilitate, the storage, transmission, delivery or furnishing by Subscriber Organization to Company of the electric energy stored in the BESS.

"BESS Allocated Portion of the Lump Sum Payment": For each BESS Measurement Period and for any other applicable period, an amount equal to fifty percent (50%) of the total of the three monthly Lump Sum Payments for such period without taking into account any set-offs against such monthly Lump Sum Payments.

"BESS Annual Equivalent Availability Factor": Shall be as described in Attachment X (BESS Annual Equivalent Availability Factor) to this Agreement.

"BESS Annual Equivalent Forced Outage Factor": Shall have the meaning set forth in Attachment Y (BESS Annual Equivalent Forced Outage Factor) to this Agreement.

"BESS Capacity Performance Metric": Shall have the meaning set forth in Attachment W (BESS Tests) to this Agreement.

"BESS Capacity Cure Period": Shall have the meaning set forth in Section 2.7(b) (BESS Capacity Test Termination Rights).

"BESS Capacity Ratio": Shall have the meaning set forth in Attachment W (BESS Tests) to this Agreement.

"BESS Capacity Test": Shall have the meaning set forth in Attachment W (BESS Tests) to this Agreement.

"BESS Contract Capacity": The storage capacity, in MWh, of the BESS, or        MWh.

"BESS EAF Performance Metric": Shall have the meaning set forth in Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages).

"BESS EFOF Performance Metric": Shall have the meaning set forth in Section 2.9 (BESS Annual Equivalent Forced Outage Factor; Liquidated Damages).

"BESS Measurement Period": Shall mean, in any Contract Year, the following periods of three calendar months each: (i) the period beginning on the first day of the first calendar month of such Contract Year and extending through the last day of the third calendar month of such Contract Year; (ii) the period beginning on the first day of the fourth calendar month of such Contract Year and extending through the last day of the sixth calendar month of such Contract Year; (iii) the period beginning on the first day of the seventh calendar month of such Contract Year and extending through the last day of the ninth calendar month of such Contract Year; and (iv) the period beginning on the first day of the tenth calendar month of such Contract Year and extending through the last day of the twelfth calendar month of such Contract Year.

"BESS Measurement Period Report": For each BESS Measurement Period, the report of the data necessary for calculation of the Performance Metrics for such BESS Measurement Period to be provided by Subscriber Organization to Company in the form set forth in Section 1 (Monthly Report) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement or such other form as the Company may approve in writing.

"Bill Credit" The dollar amount credited by the Company to each Subscriber on the Subscriber's retail electric service bill, which represents the Subscriber's beneficial share of the Contract Capacity by which renewable energy is produced by the Facility and exported to the Company, and offsetting Subscriber's current renewable energy usage on such service bill.

"Bill of Material": A list of equipment to be installed at the Facility including, but not necessarily limited to, items such as relays, breakers, and switches.

"Business Day": Any calendar day that is not a Saturday, a Sunday, or a federal or Hawai'i state holiday.

"CBRE Framework": The Phase 1 CBRE Framework, as amended and supplemented by the Phase 2 CBRE Framework.

"CBRE IO": The Independent Observer appointed by the PUC to carry out the responsibilities assigned to the Independent Observer under the CBRE Framework.

"CBRE Online Portal" is the interactive, internet website-based interface maintained by or on behalf of the Company through which the Subscriber Organization may establish qualifications, provide information and complete documents necessary for acceptance in the CBRE Program, and may enter or change the Monthly Subscription Information reflecting updated information for each Subscriber, including any changes to any Subscriber's name, account number, address, and Subscriber Allocation.

"CBRE Program": The program established under the CBRE Tariff to allow developers of renewable energy projects to provide Account Holders with an opportunity to avail themselves of the benefits of the CBRE Tariff.

"CBRE Project": A community-based renewable energy project subject to the CBRE Tariff.

"CBRE Tariff": The Hawaii Community-Based Renewable Energy approved by the PUC as Tariff Rule 29, on \_\_\_\_\_ based on the PUC's Phase 2 CBRE Framework.

"Change in Control": Shall have the meaning set forth in Section 1(b) (Change in Ownership Interests and Control of Subscriber Organization) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Claim": Any claim, suit, action, demand or proceeding.

"Claiming Entity": Shall mean Subscriber Organization and any direct or indirect owner of a membership interest in Subscriber Organization which is eligible to claim a Refundable Tax Credit or Non-Refundable Tax Credit in a given year.

"COD Delay LD Period": Shall have the meaning set forth in Section 13.4(a)(2).

"Commercial Operations": Upon satisfaction of the following conditions, the Facility shall be considered to have achieved Commercial Operations on the Day specified in Subscriber Organization's written notice described below: (i) the Acceptance Test has been passed, (ii) all generating units have passed Control System Acceptance Tests, (iii) the Transfer Date has

occurred, (iv) Subscriber Organization has (1) provided to Company the Required Models (as defined in Section 6(a) (Subscriber Organization's Obligation to Provide Models) of Attachment B (Facility Owned by Subscriber Organization)) in the form of Source Code, (2) placed the current version of the Source Code for the Required Models with the Source Code Escrow Agent as required in Section 6(b)(i)(A) (Establishment of Source Code Escrow) of Attachment B (Facility Owned by Subscriber Organization), or (3) if Subscriber Organization is unable to arrange for the placement of the appropriate Source Code into the Source Code Escrow account, placed the required funds with the Monetary Escrow Agent as required in Section 6(b)(ii)(A) (Establishment of Monetary Escrow) of Attachment B (Facility Owned by Subscriber Organization), and (v) Subscriber Organization provides Company with written notice that (aa) Subscriber Organization is ready to declare the Commercial Operations Date and (bb) the Commercial Operations Date will occur within 24 hours (i.e., the next Day).

"Commercial Operations Date" or "COD": The date on which Facility first achieves Commercial Operations.

"Company": Shall have the meaning set forth in the preamble to this Agreement.

"Company-Designated NEP Estimate": The estimated Net Energy Potential of the Facility as designated by Company pursuant to Section 1(c) (NEP IE Estimate and Company-Designated NEP Estimate) of Attachment U (Calculation and Adjustment of Net Energy Potential) this Agreement.

"Company Dispatch": Company's right, through supervisory equipment or otherwise, to direct or control both the capacity and the energy output of the Facility from its minimum output rating to its maximum output rating consistent with this Agreement (including, without limitation, Good Engineering and Operating Practices and the requirements set forth in Section 3 (Performance Standards) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement), which dispatch shall include real power, reactive power, voltage, frequency, the determination to cycle a unit off-line or to restart a unit, the droop control setting, the ramp rate setting, and other characteristics of such electric energy output whose parameters are normally controlled or accounted for in a utility dispatching system.

"Company Milestones": Each of the milestones identified as such in Attachment K-1 (Subscriber Organization's Conditions Precedent and Company Milestones).

"Company-Owned Interconnection Facilities": Shall have the meaning set forth in Section 1(a) (General) of Attachment G (Company-Owned Interconnection Facilities).

"Company System": The electric system owned and operated by Company (to include any non-utility owned facilities) consisting of power plants, transmission and distribution lines, and related equipment for the production and delivery of electric power to the public.

"Company System Operator": The authorized representative of Company who is responsible for carrying out Company dispatch and curtailment of electric energy generation interconnected to the Company System.

"Company's Recommendations": Shall have the meaning set forth in Section 4(c) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.

"Competitive Bidding Framework": The Framework for Competitive Bidding contained in Decision and Order No. 23121 issued by the Public Utilities Commission on December 8, 2006, and any subsequent orders providing for modifications from those set forth in Order No. 23121 issued December 8, 2006.

"Construction Delay LD Period": Shall have the meaning set forth in Section 13.4(a)(1).

"Construction Financing Closing Milestone": Shall have the meaning set forth in Attachment K (Guaranteed Project Milestones).

"Construction Milestones": The Reporting Milestones set forth in Attachment L (Reporting Milestones) and the Guaranteed Project Milestones set forth in Attachment K (Guaranteed Project Milestones).

"Consultants List": Shall have the meaning set forth in Section 4(e) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.

"Consumer Advocate": Shall have the meaning set forth in Section 24.2 (Confidentiality).

"Contract Capacity": Shall have the meaning set forth in Section 5(b) of Attachment A (Description of Generation, Conversion and Storage Facility) to this Agreement.

"Contract Pricing": The total of the Energy Payment (if any) and the Lump Sum Payment.

"Contract Year": A twelve (12) calendar month period commencing on either: (i) the Commercial Operations Date (if the Commercial Operations Date occurs on the first Day of a calendar month) and thereafter on each anniversary of the Commercial Operations Date; or (ii) the first Day of the calendar month following the month during which the Commercial Operations Date occurs, and thereafter on each anniversary of the first Day of such month; provided, however, that, in the latter case, the initial Contract Year shall also include the Days from the Commercial Operations Date to the first Day of the succeeding calendar month.

"Contractors": Shall have the meaning set forth in Section 2(a)(i) of Attachment G (Company-Owned Interconnection Facilities) to this Agreement.

"Control System Acceptance Test(s)" or "CSAT": A test or tests performed on the centralized and collective control systems and Active Power Control Interface of the Facility, which includes successful completion of the Control System Telemetry and Control List, in accordance with procedures set forth in Section 1(h) (Control System Acceptance Test Procedures) of Attachment B (Facility Owned by Subscriber Organization). Attachment O (Control System Acceptance Test Criteria) provides general criteria to be included in the written protocol for the Control System Acceptance Test.

"Control System Telemetry and Control List": The Control System Telemetry and Control List includes, but is not limited to, all of the Facility's equipment and generation performance/quality parameters that will be monitored, alarmed and/or controlled by Company's Energy Management System (EMS) throughout the Term of this Agreement.

Examples of the Control System Telemetry and Control List include:

- Subscriber Organization's substation/equipment status - breaker open/closed status, equipment normal/alarm operating status, etc.
- Subscriber Organization's generation data (analog values) - number of generators available/online, voltage, current, MW, MVAR, etc.
- Subscriber Organization's generation performance (status and/or analog values) - ramp rate, generator frequency, etc.
- Active Power control interface - dispatch MW setpoint, etc.
- Voltage control interface - voltage kV setpoint, etc.
- Power factor control interface - power factor setpoint, etc.

"Daily Delay Damages": Shall have the meaning set forth in Section 13.4(a) (Daily Delay Damages) of this Agreement.

"Day": A calendar day.

"Defaulting Party": The Party whose failure, action or breach of its obligations under this Agreement results in an Event of Default under Article 15 (Events of Default) of this Agreement.

"Development Period Security": An amount equal to \$50/kW of the Contract Capacity.

"Disconnection Event": Shall have the meaning set forth in Section 4(a) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.

"Dispute": Shall have the meaning set forth in Section 28.1 (Good Faith Negotiations).

"DPR": Shall have the meaning set forth in Section 28.2 (Dispute Resolution Procedures, Mediation).

"E-mail": Shall have the meaning set forth in Section 29.3 (Notices).

"Effective Date": Shall mean the last to occur of (i) the Non-appealable PUC Approval Order Date and (ii) the date that the Interconnection Requirements Amendment (if required pursuant to Section 12.4(a) of this Agreement) is executed and delivered as



such date is set forth in the Interconnection Requirements Amendment.

"EMS" or "Energy Management System": The real-time, computer-based control system, or any successor thereto, used by Company to manage the supply and delivery of electric energy to its consumers. It provides the Company System Operator with an integrated set of manual and automatic functions necessary for the operation of the Company System under both normal and emergency conditions. The EMS provides the interfaces for the Company System Operator to perform real-time monitoring and control of the Company System, including but not limited to monitoring and control of the Facility for system balancing, supplemental frequency control and economic dispatch as prescribed in this Agreement.

"Energy Cost Recovery Clause": The provision in Company's rate schedules that allows Company to pass through to its customers Company's costs of fuel and purchased power.

"Energy Payment": The amount (if any) that Company will pay for electric energy delivered to Company in accordance with the terms and conditions of this Agreement on a monthly basis as set forth in Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement.

"Engineering and Design Work": Shall have the meaning set forth in Section 3(a) (Subscriber Organization Payment to Company) of Attachment G (Company-Owned Interconnection Facilities).

"Enhanced Residential Threshold": A specific percentage of Contract Capacity in excess of 40% committed to by Subscriber Organization in its proposal as the percentage to be represented by Subscriber Allocations for Residential Subscribers. The Enhanced Residential Threshold for this Agreement is     %.

**[Drafting note: If there is no Enhanced Residential Threshold enter "N/A" in the blank.]**

"Environment": Shall have the meaning set forth in Section 1(b)(iii)(G)(iii) (Malware) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.

"Environmental Credits": Any environmental credit, offset, or other benefit allocated, assigned or otherwise awarded by any Governmental Authority, international agency, or non-governmental renewable energy certificate accounting and verification

organization to Company or Subscriber Organization based in whole or in part on the fact that the Facility is a non-fossil fuel facility. Such Environmental Credits shall include, without limitation, the non-energy attributes of renewable energy including, but not limited to, any avoided emissions of pollutants to the air, soil, or water such as sulfur dioxide, nitrogen oxides, carbon monoxide, particulate matter, and hazardous air pollutants; any other pollutant that is now or may in the future be regulated under the pollution control laws of the United States; and avoided emissions of carbon dioxide and any other greenhouse gas, along with the renewable energy certificate reporting rights to these avoided emissions, but in all cases shall not mean tax credits.

"EPC Contractor": Shall mean Subscriber Organization's engineering, procurement and construction contractor for the Facility.

"Escrow Agent": Shall have the meaning set forth in Section 14.9 (L/C Proceeds Escrow).

"Event of Default": Shall have the meaning set forth in Article 15 (Events of Default) of this Agreement.

"Excess Energy Conditions": An operating condition on the Company System that may occur when Company has more energy available than is required to meet the load on the Company System at any point in time and the generating assets interconnected with the Company System are operating at or near their minimum levels, taking into consideration factors such as the need to maintain system reliability and stability under changing system conditions and configurations, the need for downward regulating reserves, the terms and conditions of power purchase agreements for base-loaded firm capacity or scheduled energy, and the normal minimum loading levels of such units.

"Exclusive Negotiation Period": Shall have the meaning set forth in Section 2(b) (Negotiations) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Execution Date": The date designated as such on the first page of this Agreement or, if no date is so designated, the date the Parties exchanged executed signature pages to this Agreement.

"Exempt Sales": Shall have the meaning set forth in Section 1(c) (Exempt Sales) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Extended Term": Shall have the meaning set forth in Section 12.1 (Term) of this Agreement.

"Facility": Subscriber Organization's renewable electric energy facility that is the subject of this Agreement, including the PV System, the BESS, all Subscriber Organization-Owned Interconnection Facilities and all other equipment, devices, associated appurtenances owned, controlled, operated and managed by Subscriber Organization in connection with, or to facilitate, the production, generation, storage, transmission, delivery or furnishing of electric energy by Subscriber Organization to Company and required to interconnect with the Company System.

"Facility Debt": The obligations of Subscriber Organization and its affiliates to any lender pursuant to the Financing Documents, including without limitation, principal of, premium and interest on indebtedness, fees, expenses or penalties, amounts due upon acceleration, prepayment or restructuring, swap or interest rate hedging breakage costs and any claims or interest due with respect to any of the foregoing.

"Facility Lender": Any lender(s) or tax equity financing party providing any Facility Debt and any successor(s) or assigns thereto, collectively.

"Facility's CBRE Program": The program offered by Subscriber Organization whereby Account Holders are afforded the opportunity to qualify for the benefits of the CBRE Tariff by acquiring a beneficial share in the Contract Capacity by which renewable energy is produced by the Facility and exported to Company. The Facility's CBRE Program includes the entire process of marketing and sales of the Subscriber Allocations, enrolling Account Holders, providing Company with the information necessary to afford each Subscriber the Bill Credit to which such Subscriber is entitled, responding to Subscriber inquiries, facilitating the transfer of Subscriber interests and buying back Subscriber interests. The Facility's CBRE Program shall have a duration of 20 years commencing on the Commercial Operations Date.

"FASB": Shall have the meaning set forth in Section 24.1 (Financial Compliance).

"FASB ASC 810": Shall have the meaning set forth in Section 24.1 (Financial Compliance).

"Federal Non-Refundable Tax Credit": Shall mean any U.S. federal tax credit for which the federal government is not required to refund any tax credit which exceeds the tax payments due to the federal government by the Claiming Entity or to provide a cash rebate in lieu of such credit to the Claiming Entity.

"Federal Refundable Tax Credit": Shall mean any U.S. federal tax credit for which the federal government is required to refund any tax credit which exceeds the tax payments due to the federal government by the Claiming Entity or to provide a cash rebate in lieu of such credit to the Claiming Entity.

"Final Non-appealable Order from the PUC": Shall have the meaning set forth in Section 5(d) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Financial Compliance Information": Shall have the meaning set forth in Section 24.1 (Financial Compliance).

"Financial Termination Costs": Shall have the meaning set forth in Section 6 (Make Whole Amount) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Financing Documents": The loan and credit agreements, notes, bonds, indentures, security agreements, lease financing agreements, mortgages, deeds of trust, interest rate exchanges, swap agreements and other documents relating to the development, bridge, construction and/or permanent debt financing for the Facility, including any credit enhancement, credit support, working capital financing, tax equity financing or refinancing documents, and any and all amendments, modifications, or supplements to the foregoing that may be entered into from time to time by and at the discretion of Subscriber Organization and/or its affiliates in connection with financing for the development, construction, ownership, leasing, operation or maintenance of the Facility.

"Financing Purposes": Shall have the meaning set forth in Section 1(c) (Exempt Sales) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"First Benchmark Period": The period commencing on the Commercial Operations Date and ending on the last Day of the calendar month

during which an OEPR Evaluator issues the Initial OEPR. During the First Benchmark Period, the First NEP Benchmark shall be the estimate of Net Energy Potential that is used to calculate the Lump Sum Payment as provided in Section 3.i (Lump Sum Payment During First Benchmark Period) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement.

"First NEP Benchmark": The estimate of Net Energy Potential that is used to calculate the Lump Sum Payment during the First Benchmark Period as provided in Section 3.i (Lump Sum Payment During First Benchmark Period) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement. The "First NEP Benchmark" shall consist of whichever of the following is applicable as of the Commercial Operation Date, as more fully provided in Section 1(c) (NEP IE Estimate and Company-Designated NEP Estimate) and Section 1(d) (NEP IE Estimate, Liquidated Damages and Subscriber Organization's Null and Void Right) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement: (i) NEP RFP Projection, (ii) NEP IE Estimate, (iii) Company-Designated NEP Estimate or (iv) such other amount as the Parties may agree in writing.

"First OEPR": Shall have the meaning set forth in Section 4(f) (Timeline and Fees) of this Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement.

"Force Majeure": An event that satisfies the requirements of Section 21.1 (Definition of Force Majeure), Section 21.2 (Events That Could Qualify as Force Majeure) and Section 21.3 (Exclusions From Force Majeure).

"Forced Outage": A start failure or unplanned outage reported consistently with the principles in the NERC GADS REPORTING INSTRUCTIONS for SF, U1, U2 and U2 events. This may be a startup failure, a condition resulting in immediate shutdown or trip, or an outage which requires removal from the in-service state before the end of the next weekend (Sunday at 2400 or before Sunday turns into Monday). This type of outage can only occur while the resource is in service.

"Full Dispatch": A time period during which all inverters are available and there are no technical restrictions or limitations affecting generation imposed to meet Company Dispatch.

"GAAP": Shall have the meaning set forth in Section 24.5 (Consolidation).

"Good Engineering and Operating Practices": The practices, methods and acts engaged in or approved by a significant portion of the electric utility industry for similarly situated U.S. facilities, considering Company's isolated island setting, that at a particular time, in the exercise of reasonable judgment in light of the facts known or that reasonably should be known at the time a decision is made, would be expected to accomplish the desired result in a manner consistent with law, regulation, reliability for an island system, safety, environmental protection, economy and expedition. With respect to the Facility, Good Engineering and Operating Practices include, but are not limited to, taking reasonable steps to ensure that:

- (a) Adequate materials, resources and supplies, are available to meet the Facility's needs under normal conditions and reasonably foreseeable abnormal conditions.
- (b) Sufficient operating personnel are available and are adequately experienced and trained to operate the Facility properly, efficiently and within manufacturer's guidelines and specifications and are capable of responding to emergency conditions.
- (c) Preventive, routine and non-routine maintenance and repairs are performed on a basis that ensures reliable long-term and safe operation, and are performed by knowledgeable, trained and experienced personnel utilizing proper equipment, tools, and procedures.
- (d) Appropriate monitoring and testing is done to ensure equipment is functioning as designed and to provide assurance that equipment will function properly under both normal and reasonably foreseeable abnormal conditions.
- (e) Equipment is operated in a manner safe to workers, the general public and the environment and in accordance with equipment manufacturer's specifications, including, without limitation, defined limitations such as temperature, current, frequency, polarity, synchronization, control system limits, etc.

"Governmental Approvals": All permits, licenses, approvals, certificates, entitlements and other authorizations issued by Governmental Authorities, as well as any agreements with Governmental Authorities, required for the construction, ownership, operation and maintenance of the Facility and the Company-Owned Interconnection Facilities, and all amendments, modifications, supplements, general conditions and addenda thereto.

"Governmental Authority": Any federal, state, local or municipal governmental body; any governmental, quasi-governmental, regulatory or administrative agency, commission, body or other authority exercising or entitled to exercise any administrative, executive, judicial, legislative, policy, regulatory or taxing authority or power; or any court or governmental tribunal.

"GPR": Shall have the meaning set forth in Section 2.4(a) (Design, Operation and Maintenance to Achieve Required Performance Metrics; Charging of BESS).

"GPR Performance Metric": Shall be as determined under Section 2.6(b) (Determination of GPR Performance Metric) of this Agreement.

"Guaranteed Commercial Operations Date": The date specified as such in Attachment K (Guaranteed Project Milestones) of this Agreement, by which Subscriber Organization guarantees that it will achieve the Commercial Operations Date.

"Guaranteed Procurement Payment Date": The date specified in Attachment K (Guaranteed Project Milestones) that Subscriber Organization shall make payment to Company of the amount required under Section 3(b)(iii) (Balance of Company-Owned Interconnection Facilities Prepayment) of Attachment G (Company-Owned Interconnection Facilities).

"Guaranteed Project Milestone": Each of the milestone events identified in Attachment K (Guaranteed Project Milestones) of this Agreement.

"Guaranteed Project Milestone Date": Each of the milestone dates identified in Attachment K (Guaranteed Project Milestones) of this Agreement.

"Hawai'i Investment Tax Credit": Shall mean a credit against Hawai'i source income for which Subscriber Organization is

eligible on the Commercial Operations Date or thereafter because of investment in renewable energy technologies incorporated into the Facility.

"Hawai'i Non-Refundable Tax Credit": Shall mean any Hawai'i Investment Tax Credit for which the State of Hawai'i is not required to refund any tax credit which exceeds the tax payments due to the State of Hawai'i by the Claiming Entity or to provide a cash rebate in lieu of such credit to the Claiming Entity.

"Hawai'i Production Tax Credit": Shall mean a credit against Hawai'i source income for which Subscriber Organization is eligible on the Commercial Operations Date or thereafter because of the energy produced by the Facility.

"Hawai'i Refundable Tax Credit": Shall mean any Hawai'i Investment Tax Credit for which the State of Hawai'i is required to refund any tax credit which exceeds the tax payments due to the State of Hawai'i by the Claiming Entity or to provide a cash rebate in lieu of such credit to the Claiming Entity.

"Hawai'i Renewable Energy Tax Credit": The Hawai'i Investment Tax Credit and the Hawai'i Production Tax Credit.

"HEI": Shall have the meaning set forth in Section 19.7 (Assignment By Company).

"HERA": The Hawai'i Electricity Reliability Administrator.

"HERA Law": Act 166 (Haw. Leg. 2012), which was passed by the 27th Hawai'i Legislature in the form of S.B. No. 2787, S.D. 2, H.D.2, C.D.1 on May 2, 2012 and signed by the Governor on June 27, 2012. The effective date for the law is July 1, 2012. The HERA Law authorizes (i) the PUC to develop, adopt, and enforce reliability standards and interconnection requirements, (ii) the PUC to contract for the performance of related duties with a party that will serve as the HERA, and (iii) the collection of a Hawai'i electricity reliability surcharge to be collected by Hawai'i's electric utilities and used by the HERA. Reliability standards and interconnection requirements adopted by the PUC pursuant to the HERA Law will apply to any electric utility and any user, owner, or operator of the Hawai'i electric system. The PUC also is provided with the authority to monitor and compel the production of data, files, maps, reports, or any other information concerning any electric utility, any user, owner or operator of the Hawai'i electric system, or other person, business, or entity,



considered by the commission to be necessary for exercising jurisdiction over interconnection to the Hawai'i electric system, or for administering the process for interconnection to the Hawai'i electric system.

"IE Energy Assessment Report": The bankable energy assessment report (including but not limited to an assessment of the Facility's Net Energy Potential) prepared for the Facility Lender by an independent engineer as part of the Facility Lender's due diligence leading up to the Facility Lender's legally binding commitment to provide a specific amount of financing for the Project as evidenced by the Facility Lender's execution of the Financing Documents.

"Indemnified Company Party": Shall have the meaning set forth in Section 17.1(a) (Indemnification Against Third Party Claims) of this Agreement.

"Indemnified Subscriber Organization Party": Shall have the meaning set forth in Section 17.2(a) (Indemnification Against Third Party Claims) of this Agreement.

"Independent Evaluator": A person empowered, pursuant to Section 23.5 (Failure to Reach Agreement) and Section 23.10 (Dispute) of this Agreement, to resolve disputes due to failure of the Parties to agree on a Performance Standards Revision Document.

"Independent AF Evaluator": A person empowered, pursuant to Section 2(e) (Appointment of Independent AF Evaluator) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to resolve disagreements due to failure of the Parties to resolve a Monthly Report Disagreement.

"Independent Tax Expert": Shall mean a person (i) with experience and knowledge in the field of tax equity project finance for utility-scale electric generating facilities and in the field of the Hawai'i Renewable Energy Tax Credit and (ii) who is neutral, impartial and not predisposed to favor either Party.

"Initial NEP OEPR Estimate": The NEP OEPR Estimate set forth in or derived from the Initial OEPR, as more fully set forth in Section 4(e) (Terms of Engagement) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement.

"Initial NEP Verification Date": The first Day of the calendar month following the fifteenth (15<sup>th</sup>) calendar month after the Commercial Operations Date.

"Initial OEPR": The OEPR to be prepared pursuant in Section 2 (Initial OEPR) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement.

"Initial Term": Shall have the meaning set forth in Section 12.1 (Term).

"Interconnection Facilities": The equipment and devices required to permit the Facility to operate in parallel with, and deliver electric energy to, the Company System and provide reliable and safe operation of, and power quality on, the Company System (in accordance with applicable provisions of the PUC's General Order No. 7, Company tariffs, operational practices, interconnection requirements studies, and planning criteria), such as, but not limited to, transmission and distribution lines, transformers, switches, and circuit breakers.

"Interconnection Requirements Amendment": Shall have the meaning set forth in Section 12.4(a) of this Agreement.

"Interconnection Requirements Study" or "IRS": A study, performed in accordance with the terms of the IRS Letter Agreements to determine, among other things, (a) the system requirements and equipment requirements to interconnect the Facility with the Company System, (b) the Performance Standards for the Facility, and (c) an estimate of interconnection costs and project schedule for interconnection of the Facility.

"IRS Letter Agreements": The system impact study and Facility study letter agreements and any written, signed amendments thereto, between Company and Subscriber Organization that collectively describe the scope, schedule, and payment arrangements for the Interconnection Requirements Study.

"Interface Block Diagram": The visual representation of the signals between Subscriber Organization and Company, including but not limited to, Telemetry and Control points, digital fault recorder settings, telecommunications and protection signals.

"kV": Kilovolt.

"kW": Kilowatt. Unless expressly provided otherwise, all kW values stated in this Agreement are alternating current values and not direct current values.

"Land Rights": All easements, rights of way, licenses, leases, surface use agreements and other interests or rights in real estate.

"Laws": All federal, state and local laws, rules, regulations, orders, ordinances, permit conditions and other governmental actions.

"L/C Proceeds": Shall have the meaning set forth in Section 14.8 (Failure to Renew or Extend Letter of Credit).

"LD Assessment Date": For the last month of each LD Period, the Day following the expiration of the 10-Business Day period provided for Company to submit a Notice of Disagreement pursuant to Section 2(a) (Notice of Disagreement With Monthly Report) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement.

"LD Period": A rolling period of twelve (12) calendar months each. At the end of each calendar month, the LD Period rolls forward to include the next calendar month. The initial "LD Period" shall consist of the 12 full calendar months of the initial Contract Year.

"LDT": Shall have the meaning set forth in Section 2.10(a) (RTE Test and Liquidated Damages).

"LMI Minimum Threshold": A specific percentage of Contract Capacity committed to by Subscriber Organization in its proposal as the percentage to be represented by Subscriber Allocations for LMI Subscribers. The Minimum LMI Threshold for this Agreement is     %. **[Drafting note: The percentage shall be taken from Subscriber Organization's proposal if that proposal included a LMI Minimum Threshold. If there is no LMI Minimum Threshold enter "N/A" in the blank. For dedicated LMI projects, the LMI Minimum Threshold is 100%.]**

"LMI Subscriber": A Subscriber who satisfies the LMI requirements set forth in Section 15 (LMI Subscribers) of Attachment J (Facility's CBRE Program) to this Agreement

"Losses": Any and all direct, indirect or consequential damages, fines, penalties, deficiencies, losses, liabilities (including settlements and judgments), costs, expenses (including reasonable attorneys' fees and court costs) and disbursements.

"Lowest BESS Capacity Bandwidth": Shall have the meaning set forth in Section 2.7(a) (BESS Capacity Test and Liquidated Damages).

"Lump Sum Payment": The payment to be made by Company in exchange for (i) the Actual Output produced by the Facility and delivered to the Point of Interconnection in response to Company's Dispatch of the Facility, (ii) the availability of the Facility's Net Energy Potential for Company Dispatch in accordance with this Agreement and (iii) the availability of the BESS. When necessary to account for the availability of some but not all of the PV System's inverters, the amount of the monthly Lump Sum Payment is to be allocated pro rata to each inverter and shall be calculated and adjusted as provided in Section 3 (Calculation of Lump Sum Payment) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement.

"Make Whole Amount": Shall have the meaning set forth in Section 6 (Make Whole Amount) of Attachment P (Sale of Facility by Subscriber Organization).

"Malware": means computer software, code or instructions that: (a) intentionally, and with malice intent by a third party, adversely affect the operation, security or integrity of a computing, telecommunications or other digital operating or processing system or environment, including without limitation, other programs, data, databases, computer libraries and computer and communications equipment, by altering, destroying, disrupting or inhibiting such operation, security or integrity; (b) without functional purpose, self-replicate without manual intervention; (c) purport to perform a useful function but which actually performs either a destructive or harmful function, or perform no useful function other than utilize substantial computer, telecommunications or memory resources with the intent of causing harm; or (d) without authorization collect and/or transmit to third parties any information or data; including such software, code or instructions commonly known as viruses, Trojans, logic bombs, worms, adware and spyware.

"Management Meeting": Shall have the meaning set forth in Section 28.1 (Good Faith Negotiations).

"Maximum Rated Output": Net maximum output of the BESS in MW, which shall not exceed the Allowed Capacity.

"Measured Performance Ratio" or "MPR": Shall have the meaning set forth in Section 2.6(a) (Calculation of Measured Performance Ratio) of this Agreement.

"MMS": Meteorological monitoring station.

"Monitoring and Communication Equipment": Shall have the meaning set forth in Section 6.2 (Monitoring and Communication Equipment) of this Agreement.

"Monthly Progress Report": Shall have the meaning set forth in Section 13.7 (Monthly Progress Report).

"Monthly Report": The report of the data (for the calendar month and the LD Period, the MPR Assessment Period and the BESS Measurement Period ending with such calendar month) necessary for the calculation of the Performance Metrics to be provided by Subscriber Organization to Company as set forth in Section 1 (Monthly Report) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement. Without limitation to the generality of the preceding sentence, references to the Monthly Report for a month that constitutes the last month of a BESS Measurement Period shall be deemed to include the BESS Measurement Period Report for such BESS Measurement Period.

"Monthly Report Disagreement": Any disagreement arising out of the same Monthly Report.

"Most Recent Prior NEP Benchmark": In the event a Subsequent OEPR is prepared for an OEPR Period of Record ending on or after the commencement of the fourth (4<sup>th</sup>) Contract Year, the "Most Recent Prior NEP Benchmark" shall be (i) for the first such Subsequent OEPR, the Second NEP Benchmark that was used to calculate the Lump Sum Payment for the last month of the Second Benchmark Period pursuant to Section 3.iii.a of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement and (ii) for all Subsequent OEPRs prepared after the aforementioned first Subsequent OEPR, the NEP OEPR Estimate obtained from the immediately preceding Subsequent OEPR.

"MPR": Shall have the meaning set forth in Section 2.6(a)(i) of this Agreement.

"MPR Assessment Period": Shall mean, for purposes of demonstrating a Measured Performance Ratio, a rolling period of twelve (12) calendar months each. At the end of each calendar month, the MPR Assessment Period rolls forward to include the next calendar month. The initial "MPR Assessment Period" shall consist of the 12 full calendar months of the initial Contract Year.

"MPR Assessment Period Lump Sum Payment": For each MPR Assessment Period, the monthly Lump Sum Payment for the twelfth month of such MPR Assessment Period after deducting the amounts (if any) payable as liquidated damages under Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages) for the same calendar month in question.

"MPR Test": Shall have the meaning set forth in Section 2.6(a)(v) (MPR Test) of this Agreement.

"MW": Megawatt. Unless expressly provided otherwise, all MW values stated in this Agreement are alternating current values and not direct current values.

"NEP IE Estimate": The estimated Net Energy Potential of the Facility to which the IE Energy Assessment Report assigns a P-Value of 95 for a ten-year period.

"NEP OEPR Estimate": For each OEPR, the estimated Net Energy Potential of the Facility to which such OEPR assigns a P-Value of 95 for a ten-year period.

"NEP RFP Projection": The Net Energy Potential of the Facility to which the Subscriber Organization in Subscriber Organization's RFP Proposal assigns a P-Value of 95 for a ten-year period.

"NERC GADS": Shall have the meaning set forth in Section 2.4(a) (Design, Operation and Maintenance to Achieve Required Performance Metrics; Charging of BESS).

"Net Amount": Shall mean, with respect to any Hawai'i Renewable Tax Credit, the amount remaining after deducting any documented and reasonable financial, legal, administrative and other costs and expenses of applying for, pursuing, monetizing and receiving the applicable Hawai'i Renewable Tax Credit, and all payments to or reserves required by Subscriber Organization's lenders or other

financing parties in connection with the application for or receipt of such Hawai'i Renewable Tax Credit.

"Net Energy": The total quantity of electric energy (measured in kilowatt hours) produced by the Facility over a given time period and delivered to the Point of Interconnection, as measured by the revenue meter. "Net Energy" the equivalent of "Actual Output."

"Net Energy Potential": The estimated single number with a P-Value of 95 for the annual Net Energy that could be produced by the Facility based on the estimated long-term monthly and annual total of such production over a ten-year period. The Net Energy Potential is subject to adjustment as provided in Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement, but in no circumstances shall the Net Energy Potential exceed the NEP RFP Projection.

"Non-appealable PUC Approval Order": Shall have the meaning set forth in Section 29.20(b) (Non-appealable PUC Approval Order) of this Agreement.

"Non-appealable PUC Approval Order Date": Shall have the meaning set forth in Section 29.20(d) (Non-appealable PUC Approval Order Date) of this Agreement.

"Non-defaulting Party": Shall have the meaning set forth in Section 15.4 (Rights of Non-Defaulting Party; Forward Contract) of this Agreement.

"Non-performing Party": The Party who is in breach of, or is otherwise failing to perform, its obligations under this Agreement.

"Notice of Disagreement": Shall have the meaning set forth in Section 2(a) (Notice of Disagreement With Monthly Report) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement.

"OEPR": An Operational Energy Production Report, including the Initial OEPR and each Subsequent OEPR.

"OEPR Conference": Shall have the meaning set forth in Section 4(g) (Review of the First OEPR Evaluator Report) of this Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement.

"OEPR Consultants List": The engineering firms listed in Section 4(j) (Acceptable Persons and Entities) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement, as such list may be expanded or contracted by the Parties as provided in Section 4(b) (Eligibility for Appointment as OEPR Evaluator) of said Attachment U (Calculation and Adjustment of Net Energy Potential) or Section 2(f) (Eligibility for Appointment as Independent AF Evaluator) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement.

"OEPR Evaluator": Shall have the meaning set forth in Section 4(a) (Selection of OEPR Evaluator) of Attachment U (Calculation and Adjustment of Net Energy Potential) of this Agreement.

"OEPR Period of Record": For each OEPR, the twelve-month period preceding the Applicable NEP Verification Date for such OEPR.

"Offer Date": Shall have the meaning set forth in Section 1(a)(i) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Offer Materials": Shall have the meaning set forth in Section 1(a)(i) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Offer Notice": Shall have the meaning set forth in Section 1(a)(i) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Offer Price": Shall have the meaning set forth in Section 1(a)(i) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Operating Period Security": Shall have the meaning set forth in Section 14.4 (Operating Period Security).

"P-Value": The probability of exceedance.

"Parties": Subscriber Organization and Company, collectively.

"Party": Each of Subscriber Organization or Company.

"Performance Metrics": Each of the PV System Equivalent Availability Factor Performance Metric, the GPR Performance Metric, the BESS Capacity Performance Metric, the BESS EAF



Performance Metric, the BESS EFOF Performance Metric, and the RTE Performance Metric.

"Performance Metrics LDs": Shall have the meaning set forth in Section 2.11(a) (Payment of Liquidated Damages).

"Performance Standards": The various performance standards for the operation of the Facility and the delivery of electric energy from the Facility to Company specified in Section 3 (Performance Standards) of Attachment B (Facility Owned by Subscriber Organization), as such standards may be revised from time to time pursuant to Article 23 (Process for Addressing Revisions to Performance Standards) of this Agreement.

"Performance Standards Information Request": A written notice from Company to Subscriber Organization proposing revisions to one or more of the Performance Standards then in effect and requesting information from Subscriber Organization concerning such proposed revision(s).

"Performance Standards Modifications": For each Performance Standards Revision, any capital improvements, additions, enhancements, replacements, repairs or other operational modifications to the Facility and/or to changes in Subscriber Organization's operations or maintenance practices necessary to enable the Facility to achieve the performance requirements of such Performance Standards Revision.

"Performance Standards Pricing Impact": Any adjustment in Contract Pricing necessary to specifically reflect the recovery of the net costs and/or net lost revenues specifically attributable to any Performance Standards Modification necessary to comply with a Performance Standard Revision, which shall consist of the following: (i) recovery of, and return on, any capital investment (aa) made over a cost recovery period starting after the Performance Standards Revision is made effective following a PUC Performance Standards Revision Order through the end of the Initial Term and (bb) based on a proposed capital structure that is commercially reasonable for such an investment and the return on investment is at market rates for such an investment or similar investment); (ii) recovery of reasonably expected net additional operating and maintenance costs; and (iii) an adjustment in pricing necessary to compensate Subscriber Organization for reasonably expected reductions, if any, in the delivery of electric energy to Company under this Agreement, which shall consist of (yy) an increase in payments necessary to compensate

Subscriber Organization for expected reduced electric energy payments under this Agreement; and (zz) to the extent applicable, an increase in payments necessary to compensate Subscriber Organization for reasonably expected reductions in receipt of production tax credits (pursuant to Section 45 of the Internal Revenue Code) calculated on an after-tax basis.

"Performance Standards Proposal": A written communication from Subscriber Organization to Company detailing the following with respect to a proposed Performance Standards Revision: (i) a statement as to whether Subscriber Organization believes that it is technically feasible to comply with the Performance Standards Revision and the basis therefor; (ii) the Performance Standards Modifications proposed by Subscriber Organization to comply with the Performance Standards Revision; (iii) the capital and incremental operating costs of any necessary technical improvements, and any other incremental net operating or maintenance costs associated with any necessary operational changes, and any expected lost revenues associated with expected reductions in electric energy delivered to Company; (iv) the Performance Standards Pricing Impact of such costs and/or lost revenues; (v) information regarding the effectiveness of such technical improvements or operational modifications; (vi) proposed contractual consequences for failure to comply with the Performance Standard Revision that would be commercially reasonable under the circumstances; and (vii) such other information as may be reasonably required by Company to evaluate Subscriber Organization's proposals. A Performance Standards Proposal may be issued either in response to a Performance Standards Information Request or on Subscriber Organization's own initiative.

"Performance Standards Revision": A revision, as specified in a Performance Standards Information Request or a Subscriber Organization-initiated Performance Standards Proposal, to the Performance Standards in effect as of the date of such Request or Proposal.

"Performance Standards Revision Document": A document specifying one or more Performance Standards Revisions and setting forth the changes to the Agreement necessary to implement such Performance Standards Revision(s). A Performance Standards Revision Document may be either a written agreement executed by Company and Subscriber Organization or as directed by the Independent Evaluator pursuant to Section 23.10 (Dispute) of this Agreement, in the absence of such written agreement.

"Permitted Lien": Shall have the meaning set forth in Section 4 (Purchase and Sale Agreement) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"Phase 1 CBRE Framework" That certain "Community-Based Renewable Energy - A Program Framework" issued by the PUC and attached as Attachment A to that certain Decision and Order No. 35137, filed December 22, 2017, in Docket No. 2015-0389, portions of which are applicable to Phase 2 of the CBRE Program as specified in the CBRE Tariff.

"Phase 2 CBRE Framework" That certain Order No. 37070, filed April 9, 2020, in Docket No. 2015-0389. The Phase 2 CBRE Framework provides the basis and framework for Phase 2 of the CBRE Program and is implemented by the CBRE Tariff.

"Point of Interconnection" or "POI": The point of delivery of electric energy and/or capacity supplied by Subscriber Organization to Company, where the Facility owned by the Subscriber Organization interconnects with the Company System. The Subscriber Organization shall own and maintain the facilities from the Facility to the Point of Interconnection, excluding any Company-Owned Interconnection Facilities located on the Site. The Company shall own and maintain the facilities from the Point of Interconnection to the Company's system. The Point of Interconnection will be identified in the IRS and set forth on the Single-Line Drawing and Interface Block Diagram in Attachment E (Single-Line Drawing and Interface Block Diagram).

"Power Possible": The calculated potential maximum power production of the Facility reported in megawatts (MW) at the Point of Interconnection taking into account (i) equipment equivalent availability during the period, (ii) the available energy resource and (iii) the BESS State of Charge. The Power Possible is a telemetered value provided to Company as an analog value (i.e., instantaneous).

"PPA Amendment Deadline": The 75<sup>th</sup> Day following the date the completed IRS is provided to Subscriber Organization, or such later date as Company and Subscriber Organization may agree to by written agreement.

"Prime Rate": The "prime rate" of interest, as published from time to time by The Wall Street Journal in the "Money Rates" section of its Western Edition Newspaper (or the average prime rate if a high

and a low prime rate are therein reported). The Prime Rate shall change without notice with each change in the prime rate reported by The Wall Street Journal, as of the date such change is reported. Any such rate is a general reference rate of interest, may not be related to any other rate, may not be the lowest or best rate actually charged by any lender to any customer or a favored rate and may not correspond with future increases or decreases in interest rates charged by lenders or market rates in general.

"Proceeds": Shall have the meaning set forth in Section 6(b)(ii)(C) (Extend Letter of Credit) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.

"Proceeds Escrow Agent": Shall mean such escrow agent approved by Company.

"Proceeds Escrow Agreement": Shall mean the escrow agreement between Company and the Proceeds Escrow Agent naming Company as beneficiary thereunder, which agreement shall be acceptable in form and substance to Company.

"Project": The Facility as described in Attachment A (Description of Generation, Conversion and Storage Facility).

"Project Documents": This Agreement, any ground lease or other agreement or instrument in respect of the Site and/or the Land Rights, all construction contracts to which Subscriber Organization is or becomes a party thereto, operation and maintenance agreements, and all other agreements, documents and instruments to which Subscriber Organization is or becomes a party thereto in respect of the Facility, other than the Financing Documents, as the same may be modified or amended from time to time in accordance with the terms thereof.

"Proposed Actions": Shall have the meaning set forth in Section 4(c) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.

"Proprietary Rights": Shall have the meaning set forth in Section 29.17 (Proprietary Rights) of this Agreement.

"PSA": Shall have the meaning set forth in Section 4 (Purchase and Sale Agreement) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"PUC": Shall have the meaning set forth in the Recitals.

"PUC Approval Order": Shall have the meaning set forth in Section 29.20(a) (PUC Approval Order) of this Agreement.

"PUC Approval Order Date": Shall have the meaning set forth in Section 29.20(c) (Company's Written Statement) of this Agreement.

"PUC Approval Time Period": Shall have the meaning set forth in Section 12.6(b) (Time Period for PUC Approval).

"PUC Order Appeal Period": Shall have the meaning set forth in Section 12.6(b) (Time Period for PUC Approval).

"PUC Performance Standards Revision Order": The decision and order of the PUC approving the application or motion by the Parties seeking (i) approval of the Performance Standards Revision in question and the associated Performance Standards Revision Document, (ii) finding that the impact of the changes to the Contract Pricing on Company's revenue requirements is reasonable, and (iii) approval to include the costs arising out of pricing changes in Company's Energy Cost Recovery Clause (or equivalent).

"PUC RPS Order": Shall have the meaning set forth in Section 3.4(e) (PUC RPS Order).

"PUC Submittal Date": The date of the submittal of Company's complete application or motion for a satisfactory PUC Approval Order pursuant to Section 12.3 (PUC Approval) of this Agreement.

"PUC's Standards": Standards for Small Power Production and Cogeneration in the State of Hawai'i, issued by the Public Utilities Commission of the State of Hawai'i, Chapter 74 of Title 6, Hawai'i Administrative Rules, currently in effect and as may be amended from time to time.

"PV System": The photovoltaic solar electric generating project as more particularly described in Attachment A (Description of Generation, Conversion and Storage Facility).

"PV System Equivalent Availability Factor Performance Metric": Shall have the meaning set forth in Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages).

"Qualified Consultant": Shall have the meaning set forth in Section 4(e) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.

"Recipient": Shall have the meaning set forth in Section 24.2 (Confidentiality).

"Renewable Portfolio Standards" or "RPS": The Hawai'i law that mandates that Company and its subsidiaries generate or purchase certain amounts of their net electricity sales over time from qualified renewable resources. The RPS requirements in Hawai'i are currently codified as Hawai'i Revised Statutes (HRS) 269-91 through 269-95.

"Renewable Resource Baseline": The estimated renewable resource potential of the Site for a typical meteorological year. For avoidance of doubt, the purpose of this term is to provide a short-hand characterization of the nature of the renewable resource risk assumed by the Subscriber Organization under this Agreement in making its Site selection.

"Renewable Resource Variability": The variations, above and below the Renewable Resource Baseline, of the renewable resource actually available at the Site on a moment-to-moment basis. For avoidance of doubt, the purpose of this term is to provide a short-hand characterization of the nature of the renewable resource risk assumed by the Company under this Agreement in agreeing to make fixed payments in an amount calculated on the basis of the Facility's capability to deliver the Net Energy Potential regardless of whether or not sufficient renewable resource is in fact available at any particular moment.

"Reporting Milestones": Each of the milestones identified as such in Attachment L (Reporting Milestones).

"Required Model" or "Required Models": Shall have the meaning set forth in Section 6(a) (Subscriber Organization's Obligation to Provide Models) of Attachment B (Facility Owned by Subscriber Organization) of this Agreement.

"Residential Subscriber": A subscriber served by Company under any of the following Company rate schedules: Schedule R, TOU-R, TOU-RI, TOU-EV or any other residential option.

"Revenue Metering Package": The revenue meter, revenue metering PTs and CTs, and secondary wiring.

"RFP": Company's Request for Proposals for [\_\_\_\_\_], Island of Maui, issued on [\_\_\_\_\_], 2020.

"RFP Proposal": The documents and submissions comprising Subscriber Organization's proposal selected in the Final Award Group in response to the RFP.

"Right of First Negotiation Period": Shall have the meaning set forth in Section 1(a)(ii) of Attachment P (Sale of Facility by Subscriber Organization) to this Agreement.

"RPS Amendment": Any amendment to the RPS subsequent to Effective Date that revises the definition of "renewable electric energy" under the RPS such that the electric energy delivered from the Facility no longer comes within such revised definition.

"RPS Modifications": Any capital improvements, additions, enhancements, replacements, repairs or other operational modifications to the Facility and/or to changes in Subscriber Organization's operations or maintenance practices necessary to enable the electric energy delivered from the Facility to come within the revised definition of "renewable electrical energy" resulting from a RPS Amendment.

"RPS Modifications Document": Shall have the meaning set forth in Section 3.4(c) (RPS Modifications Document).

"RPS Pricing Impact": Any adjustment in Contract Pricing necessary to specifically reflect the recovery of the net costs and/or net lost revenues specifically attributable to any RPS Modification, which shall consist of the following: (i) recovery of, and return on, any capital investment (aa) made over a cost recovery period starting after the RPS Modification is made effective following a PUC RPS Order through the end of the Initial Term and (bb) based on a proposed capital structure that is commercially reasonable for such an investment and the return on investment is at market rates for such an investment or similar investment); (ii) recovery of reasonably expected net additional operating and maintenance costs; and (iii) an adjustment in pricing necessary to compensate Subscriber Organization for reasonably expected reductions, if any, in the delivery of electric energy to Company under this Agreement, which shall consist of (aa) an increase in payments necessary to compensate Subscriber Organization for expected reduced electric energy payments under this Agreement; and (bb) to the extent applicable, an increase in payments necessary to

compensate Subscriber Organization for reasonably expected reductions in receipt of production tax credits (pursuant to Section 45 of the Internal Revenue Code) calculated on an after-tax basis.

"RTE Cure Period": Shall have the meaning set forth in Section 2.10(b) (RTE Test Termination Rights).

"RTE Performance Metric": Shall have the meaning set forth in Attachment W (BESS Tests) to this Agreement.

"SCADA" or "Supervisory Control And Data Acquisition" The Company system that provides remote control and monitoring of Company's transmission and sub-transmission systems and enables Company to perform real-time control of equipment in the field and to monitor the conditions and status of the Company System.

"Second Benchmark Period": The period commencing on the first Day of the calendar month following the month during which an OEPR Evaluator issues the Initial OEPR and ending with the expiration of the third (3<sup>rd</sup>) Contract Year. For avoidance of doubt, the effect of the foregoing definition is that the Second Benchmark Period will follow immediately upon the expiration of the First Benchmark Period.

"Second NEP Benchmark": For each calendar month during the Second Benchmark Period, the estimate of Net Energy Potential to be used during such calendar month to calculate the Lump Sum Payment pursuant to Section 3.ii.a of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement. For avoidance of doubt, the Second NEP Benchmark may vary during the Second Benchmark Period as and to the extent provided in said Section 3.ii.a.

"Second NUG Contract": Shall have the meaning set forth in Section 1(e) (Revisions to Costs) of Attachment G (Company-Owned Interconnection Facilities) to this Agreement.

"Second OEPR": Shall have the meaning set forth in Section 4(g) (Review of the First OEPR Evaluator Report) of this Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement.

"Second OEPR Evaluator": Shall have the meaning set forth in Section 4(g) (Review of the First OEPR Evaluator Report) of this



Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement.

"Section 5": Shall have the meaning set forth in Section 5(f) of Attachment A (Description of Generation, Conversion and Storage Facility) to this Agreement.

"Security Funds": Shall have the meaning set forth in Section 14.6 (Security Funds).

"Site": The parcel of real property on which the Facility will be constructed and located, together with any Land Rights reasonably necessary for the construction, ownership, operation and maintenance of the Facility. The Site is identified in Attachment A (Description of Generation, Conversion and Storage Facility) to this Agreement.

"Source Code": Shall mean the human readable source code of the Required Models which: (i) will be narrated documentation related to the compilation, linking, packaging and platform requirements and any other materials or software sufficient to enable a reasonably skilled programmer to build, modify and use the code within a commercially reasonable period of time for the purposes of a Source Code Authorized Use; and (ii) can reasonably be compiled by a computer for execution.

"Source Code Authorized Use": Shall have the meaning set forth in Section 6(b)(i)(E) (Authorized Use) of Attachment B (Facility Owned by Subscriber Organization) of this Agreement.

"Source Code Escrow": Shall mean the escrow established with the Source Code Escrow Agent under the terms of the Source Code Escrow Agreement under which Source Code shall be confidentially deposited by a Source Code Owner for safekeeping and, upon the satisfaction of certain conditions, release to the Company.

"Source Code Escrow Agent": Shall mean Iron Mountain Intellectual Property Management, Inc. or such other similar escrow agent approved by Company.

"Source Code Escrow Agreement": Shall mean a multi-party escrow agreement between Company, Source Code Escrow Agent and any and all Source Code Owners depositing Source Code into the Source Code Escrow which, among other matters, names Company as beneficiary thereunder, and is otherwise acceptable in form and substance to Company.

"Source Code Owner": Shall mean the developer and/or owner of the Required Models utilizing Source Code authorized to deposit the Source Code with the Source Code Escrow Agent upon the terms of the Source Code Escrow Agreement.

"SOX 404": Shall have the meaning set forth in Section 24.1 (Financial Compliance).

"Standards": Shall have the meaning set forth in Section 2(c) (Plans) of Attachment G (Company-Owned Interconnection Facilities) to this Agreement.

"Standby Letter of Credit": Shall have the meaning set forth in Section 6(a) (Standby Letter of Credit) of Attachment G (Company-Owned Interconnection Facilities) to this Agreement.

"State of Charge": Energy in the BESS stated as a percentage of BESS Contract Capacity.

"Study": Shall have the meaning set forth in Section 4(e) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.

"Submission Notice": Shall have the meaning set forth in Section 2(e) (Appointment of Independent AF Evaluator) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement.

"Subscriber" Shall mean a retail customer of the Company who owns one or more Subscriptions of a Facility interconnected with the Company System.

"Subscriber Allocation": For each Subscriber during each calendar month, such Subscriber's percentage interest in the Contract Capacity of the Facility, reflecting such Subscriber's allocable portion of the Lump Sum Payment for such month.

"Subscriber Organization": Shall have the meaning set forth in the preamble to this Contract.

"Subscriber Organization Affiliate": Shall have the meaning set forth in Section 6(b)(ii)(A) (Establishment of Monetary Escrow) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.

"Subscriber Organization-Attributable Non-Generation": Time periods during which the inverter in question (or the Facility as a whole) is not dispatched or is derated or shutdown (or the Facility is disconnected) because of any of the following:

- (i) The Facility's failure to comply with any of the Performance Standards, Good Engineering and Operating Practices, Governmental Approvals, applicable Laws or Subscriber Organization's other obligations under this Agreement;
- (ii) Subscriber Organization-Attributable System Conditions;
- (iii) Conditions at or on either side of the Point of Interconnection arising from the acts or omissions of Subscriber Organization or any of its affiliates, employees, agents, contractors, vendors, materialmen, independent contractors or suppliers of Subscriber Organization, acting in such capacity for the benefit of Subscriber Organization ("Subscriber Organization Representatives"), unless such acts or omissions are themselves excused by reasons of Force Majeure pursuant to Article 21 (Force Majeure) of this Agreement;
- (iv) A disconnection initiated by the Company pursuant to Article 9 (Personnel and System Safety) of this Agreement) that is caused by Subscriber Organization or  
;
- (v) The Company has reasonably decided that it is inadvisable for such inverter (or the Facility as a whole) to continue normal operations without a further Control System Acceptance Test as provided in Section 7(a) (Testing Requirements) of Attachment B (Facility Owned by Subscriber Organization);
- (vi) The Facility is deemed to be in Subscriber Organization-Attributable Non-Generation status under any of the following Sections of Attachment B (Facility Owned by Subscriber Organization): Section 1(g)(vi), Section 1(j) (Demonstration of Facility) or Section 4(e); and
- (vii) The Facility is shutdown at the direction of Company as provided in Section 6.4 (Shutdown For Lack of Reliable Real Time Data), and such shutdown is caused by

Subscriber Organization or any Subscriber Organization Representatives.

Each time period of Subscriber Organization-Attributable Non-Generation shall constitute an Outage or Deration, as applicable.

"Subscriber Organization-Attributable System Conditions":  
Conditions on the Company System:

- (i) that result from either (aa) the Facility's generation and delivery of electric power to the Company System or (bb) any condition arising from the acts or omissions of Subscriber Organization or any Subscriber Organization Representative, unless such acts or omissions are themselves excused by reasons of Force Majeure pursuant to Article 21 (Force Majeure) of this Agreement; and
- (ii) caused by or attributable to the Facility or Subscriber Organization or any Subscriber Organization Representatives that Company reasonably determines to either (xx) be inconsistent with Good Engineering and Operating Practices on the Company System or (yy) jeopardize the safety, reliability or stability of the Company System.

For avoidance of doubt, the Company's inability to dispatch the Facility due to the existence of Excess Energy Conditions on the Company System shall not constitute Subscriber Organization-Attributable System Conditions.

"Subscriber Organization-Owned Interconnection Facilities": The Interconnection Facilities constructed and owned by Subscriber Organization.

"Subscriber Organization's RPS Modifications Proposal": Shall have the meaning set forth in Section 3.4(a) (Renewable Portfolio Standards).

"Subscriber's Confidential Account Information" consists of the Subscriber's name, account number, service address, telephone number, email address, web site URL, information on Subscriber participation in other distributed generation serving the premises of the Subscriber, and Subscriber specific Bill Credit(s).

"Subsequent NEP OEPR Estimate": For each Subsequent OEPR, the NEP OEPR Estimate derived from such Subsequent OEPR.

"Subsequent OEPR": Any OEPR prepared pursuant to Section 3 (Subsequent OEPRs) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement.

"Subsequent Owner": Shall have the meaning set forth in Section 19.4 (Financing Document Requirements).

"Telemetry and Control": The interface between Company's EMS and the physical equipment at the Facility.

"Term": Shall mean, collectively, the Initial Term and the Extended Term (if any).

"Termination Damages": Liquidated damages calculated in accordance with Article 16 (Damages in the Event of Termination by Company) of this Agreement.

"Termination Deadline": The 30th Day following the date the completed IRS is provided to Subscriber Organization, or such later date as Company and Subscriber Organization may agree to by a written agreement.

"Third OEPR": Shall have the meaning set forth in Section 4(h) (Review of the Second OEPR Evaluator Report) of this Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement.

"Third OEPR Evaluator": Shall have the meaning set forth in Section 4(h) (Review of the Second OEPR Evaluator Report) of this Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement.

"Third Party": Any person or entity other than Company or Subscriber Organization, and includes, but is not limited to, any subsidiary or affiliate of Subscriber Organization.

"Tier 1 Bandwidth": The Tier 1 bandwidth set forth in Section 2.6(c) (GPR Performance Metric and Liquidated Damages) of this Agreement.

"Tier 2 Bandwidth": The Tier 2 bandwidth set forth in Section 2.6(c) (GPR Performance Metric and Liquidated Damages) of this Agreement.

"Total Actual Interconnection Cost": Actual costs for the Interconnection Facilities, to be designed, engineered and constructed by Company, as provided in Attachment G (Company-Owned Interconnection Facilities) to this Agreement.

"Total Actual Relocation Cost": Shall have the meaning set forth in Section 5(b) of Attachment G (Company-Owned Interconnection Facilities) to this Agreement.

"Total Estimated Interconnection Cost": Estimated costs for the Interconnection Facilities, to be designed, engineered and constructed by Company, as provided in Attachment G (Company-Owned Interconnection Facilities) to this Agreement.

"Total Estimated Relocation Cost": Shall have the meaning set forth in Section 5(a) of Attachment G (Company-Owned Interconnection Facilities) to this Agreement.

"Total Interconnection Cost": Shall have the meaning set forth in Section 3(a)(i) of Attachment G (Company-Owned Interconnection Facilities) to this Agreement.

"Transfer Date": The date, prior to the Commercial Operations Date, upon which Subscriber Organization transfers to Company all right, title and interest in and to Company-Owned Interconnection Facilities to the extent, if any, that such facilities were constructed by Subscriber Organization and/or its contractors.

"Unfavorable PUC Order": Shall have the meaning set forth in Section 29.20(e) (Unfavorable PUC Order).

"Unit Price": \$ [REDACTED] per [REDACTED] MWh of Net Energy Potential annually.  
**[TO BE CALCULATED FROM RESPONSE TO RFP.]**

"Unsubscribed RDG": That portion of the Contract Capacity during a particular calendar month that is not associated with any Subscriber and is therefore not included in any Subscriber Allocation for such month. The Unsubscribed RDG for a particular calendar month is the balance of the Contract Capacity remaining after subtracting the Contract Capacity represented by the total of the Subscriber Allocations for such month.

ATTACHMENT A  
DESCRIPTION OF GENERATION, CONVERSION AND STORAGE FACILITY

1. Name of Facility:

(a) Location: (TMK No. )

(b) Telephone number (for system emergencies):

(c) E-mail Address:

(d) Contact Information for notices pursuant to Section 29.3 (Notices) of the Agreement:

Mailing Address:

Address for Delivery by Hand or Overnight Delivery:

Email Address:

2. Owner (If different from Subscriber Organization):

If Subscriber Organization is not the owner, Subscriber Organization shall provide Company with a certified copy of a certificate warranting that the owner is a corporation, partnership or limited liability company in good standing with the Hawai'i Department of Commerce and Consumer Affairs which shall be attached hereto as Exhibit A-1 (Good Standing Certificates).

3. Operator:

4. Name of person to whom payments are to be made:

(a) Mailing address:

(b) Hawai'i Gross Excise Tax License number:

5. Equipment:

(a) Type of facility and conversion equipment:

[For example: Small power production facility designated as a Qualifying Facility that produces electric energy using \_\_\_\_\_.]

(b) Design and capacity

Total Facility Capacity ("Contract Capacity"):

\_\_\_\_\_ kW

Total Number of Generators:

[number and size of each generator, e.g., one (1) Brand X, 200 kW; one (1) Brand Y, 300 kW]

Description of Equipment:

[For example: Describe the type of energy conversion equipment, capacity, and any special features.]

Individual Unit: [if more than one generator, list information for each generator]

	kW	kVAR Consumed	kVAR Produced
<u>Full load</u>			
<u>Startup</u>			

Generator:

Type \_\_\_\_\_

Rated Power \_\_\_\_\_ kW

Voltage \_\_\_\_\_ V, \_\_\_\_\_ phase

Frequency \_\_\_\_\_ Hz

Class of Protection

Number of Poles

Rated Speed \_\_\_\_\_ rpm



Rated Current \_\_\_\_\_ A

Rated Power Factor See Exhibit B-2

Batteries

Total Number of Energy Storage Units:

- (c) Single or 3 phase:
- (d) Name of manufacturer:
- (e) Description of Facility SCADA and control system(s)
- (f) The "Allowed Capacity" of this Agreement shall be the lower of (i) Contract Capacity or (ii) the net nameplate capacity (net for export) of the Facility installed by the Commercial Operations Date.
- (g) Subscriber Organization may propose revisions to this Section 5 (Equipment) of Attachment A (Description of Generation, Conversion and Storage Facility) ("Section 5") for Company's approval prior to commencement of construction, provided, however, that (i) no such revision to this Section 5 shall change the type of Facility or conversion equipment deployed at the Facility from a solar energy conversion facility using photovoltaic equipment; (ii) Subscriber Organization shall be in compliance with all other terms and conditions of this Agreement; and (iii) such revision(s) shall not change the characteristics of the Facility equipment or the specifications used in the IRS. Any revision to this Section 5 complying with items (i) through (iii) above shall be subject to Company's prior approval, which approval shall not be unreasonably withheld. If Subscriber Organization's proposed revision(s) to this Section 5 otherwise satisfies items (i) and (ii) above but not item (iii) such that Company, in its reasonable discretion, determines that a re-study or revision to all or any part of the IRS is required to accommodate Subscriber Organization's proposed revision(s), Company may, in its sole and absolute

discretion, conditionally approve such revision(s) subject to a satisfactory re-study or revision to the IRS and Subscriber Organization's payment and continued obligation to be liable and responsible for all costs and expenses of re-studying or revising such portions of the IRS and for modifying and paying for all costs and expenses of modification to the Facility, the Company-Owned Interconnection Facilities based on the results of the re-studies or revisions to the IRS. Any changes made to this Attachment A (Description of Generation, Conversion and Storage Facility) or the Agreement as a result of this Section 5(f) of Attachment A (Description of Generation, Conversion and Storage Facility) shall be reflected in a written amendment to the Agreement.

Subscriber Organization understands and acknowledges that Company's review and approval of Subscriber Organization's proposed revisions to this Section 5 and any necessary re-studies or revisions to the IRS shall be subject to Company's then-existing time and personnel constraints. Company agrees to use commercially reasonable efforts, under such time and personnel constraints, to complete any necessary reviews, approvals and/or re-studies or revisions to the IRS.

Any delay in completing, or failure by Subscriber Organization to meet, any subsequent Subscriber Organization milestones under Article 13 (Guaranteed Project Milestones Including Commercial Operations) as a result of any revision pursuant to this Section 5 by Subscriber Organization (whether requiring a re-study or revision to the IRS or not) shall be borne entirely by Subscriber Organization and Company shall not be responsible or liable for any delay or failure to meet any such milestones by Subscriber Organization.

6. Insurance carrier(s): **[SUBSCRIBER ORGANIZATION TO PROVIDE INFORMATION]**
7. If Subscriber Organization is not the operator, Subscriber Organization shall provide a copy of the agreement between Subscriber Organization and the operator which requires the operator to operate the Facility and which establishes the scope of operations by the operator and the respective rights

of Subscriber Organization and the operator with respect to the sale of electric energy from Facility no later than the Commercial Operations Date. In addition, Subscriber Organization shall provide a certified copy of a certificate warranting that the operator is a corporation, partnership or limited liability company in good standing with the Hawai'i Department of Commerce and Consumer Affairs no later than the Commercial Operations Date.

8. Subscriber Organization shall provide a certified copy of a certificate warranting that Subscriber Organization is a corporation, partnership or limited liability company in good standing with the Hawai'i Department of Commerce and Consumer Affairs which shall be attached hereto as Exhibit A-1 (Good Standing Certificates).
9. Subscriber Organization, owner and operator shall provide Company a certificate and/or description of their ownership structures which shall be attached hereto as Exhibit A-2 (Ownership Structure).
10. In the event of a change in ownership or identity of Subscriber Organization, owner or operator, such entity shall provide within 30 Days thereof, a certified copy of a new certificate and a revised ownership structure.

EXHIBIT A-1  
GOOD STANDING CERTIFICATES

EXHIBIT A-2  
OWNERSHIP STRUCTURE

**[ATTACHMENT B WILL BE REVISED TO REFLECT  
THE RESULTS OF IRS]**

ATTACHMENT B  
FACILITY OWNED BY SUBSCRIBER ORGANIZATION

1. The Facility.

(a) Drawings, Diagrams, Lists, Settings and As-Builts.

(i) Single-Line Drawing, Interface Block Diagram, Relay List, Relay Settings and Trip Scheme. A preliminary single-line drawing (including notes), Interface Block Diagram, relay list, relay settings, and trip scheme of the Facility shall, after Subscriber Organization has obtained prior written consent from Company, be attached to this Agreement on the Execution Date as Attachment E (Single-Line Drawing and Interface Block Diagram) and Attachment F (Relay List and Trip Scheme). A final single-line drawing (including notes), Interface Block Diagram, relay list and trip scheme of the Facility shall, after having obtained prior written consent from Company, be labeled the "Final" Single-Line Drawing, the "Final" Interface Block Diagram and the "Final" Relay List and Trip Scheme and shall supersede Attachment E (Single-Line Drawing and Interface Block Diagram) and Attachment F (Relay List and Trip Scheme) to this Agreement and shall be made a part hereof on the Commercial Operations Date. After the Commercial Operations Date, no changes shall be made to the "Final" Single-Line Drawing, the "Final" Interface Block Diagram and the "Final" Relay List and Trip Scheme without the prior written consent of Subscriber Organization and Company. The single-line drawing shall expressly identify the Point of Interconnection of Facility to Company System.

(ii) As-Builts. Subscriber Organization shall provide final as-built drawings of the Subscriber Organization-Owned Interconnection Facilities within 30 Days of the successful completion of the Acceptance Test.

(iii) Modeling. Subscriber Organization shall provide the models as set forth in Exhibit B-1.

(iv) No Material Changes. Subscriber Organization agrees that no material changes or additions to the Facility as reflected in the "Final" Single-Line Drawing (including notes), the "Final" Interface Block Diagram and the "Final" Relay List and Trip Scheme, shall be made without Subscriber Organization first having obtained prior written consent from Company. The foregoing are subject to changes and additions as part of any Performance Standards Modifications. If Company directs any changes in or additions to the Facility, records and operating procedures that are not part of any Performance Standards Modifications, Company shall specify such changes or additions to Subscriber Organization in writing, and, except in the case of an emergency, Subscriber Organization shall have the opportunity to review and comment upon any such changes or additions in advance.

(b) Certain Specifications for the Facility.

(i) Subscriber Organization shall furnish, install, operate and maintain the Facility including breakers, relays, switches, synchronizing equipment, monitoring equipment and control and protective devices approved by Company as suitable for parallel operation of the Facility with Company System. The Facility shall be accessible at all times to authorized Company personnel.

(ii) The Facility shall include:

**[LIST OF THE FACILITY**

**Examples may include, but are not limited to:**

- **Subscriber Organization-Owned Interconnection Facilities**
- **Substation**
- **Control and monitoring facilities**
- **Transformers**
- **Generating and BESS equipment (as described in Attachment A)**

- "Lockable" cabinets or housings suitable for the installation of the Company-Owned Interconnection Facilities located on the Site
- Relays and other protective devices
- Leased telephone line and/or equipment to facilitate microwave communication]

(iii) The Facility shall comply with the following [includes excerpts of language that may be requested by Company]:

- A. Subscriber Organization shall install a \_\_\_\_ kV gang operated, load breaking, lockable disconnect switch and all other items for its switching station (relaying, control power transformers, high voltage circuit breaker). Bus connection shall be made to a manually and automatically (via protective relays) operated high-voltage circuit breaker. The high-voltage circuit breaker shall be fitted with bushing style current transformers for metering and relaying. Downstream of the high-voltage circuit breaker, a structure shall be provided for metering transformers. From the high-voltage circuit breaker, another bus connection shall be made to another pole mounted disconnect switch, with surge protection.
- B. Subscriber Organization shall provide within the Subscriber Organization-Owned Interconnection Facilities a separate, fenced area with separate access for Company. Subscriber Organization shall provide all conduits, structures and accessories necessary for Company to install the Revenue Metering Package. Subscriber Organization shall also provide within such area, space for Company to install its communications, supervisory control and data acquisition ("SCADA") equipment (remote terminal unit or equivalent) and certain relaying if necessary for the interconnection. Subscriber Organization shall also provide AC and DC source lines as specified by Company. Subscriber Organization shall provide a telephone line for Company-owned meters. Subscriber Organization shall



work with Company to determine an acceptable location and size of the fenced-in area. Subscriber Organization shall provide an acceptable demarcation cabinet on its side of the fence where Subscriber Organization and Company wiring will connect/interface.

- C. Subscriber Organization shall ensure that the Subscriber Organization-Owned Interconnection Facilities have a lockable cabinet for switching station relaying equipment. Subscriber Organization shall select and install relaying equipment acceptable to Company. At a minimum, the relaying equipment will provide over and under frequency (81) negative phase sequence (46), under voltage (27), over voltage (59), ground over voltage (59G), over current functions (50/51) and direct transfer trip (if required). The settings shall be consistent with the requirements for over/under frequency and voltage ride-through. Subscriber Organization shall install protective relays that operate a lockout relay (86), which in turn will trip the main circuit breaker and not allow it to be reclosed without reset.
- D. [RESERVED]
- E. Subscriber Organization's equipment also shall provide at a minimum:
  - (i) Interface with Company's Telemetry and Control, or designated communications and control interface, to provide telemetry of electrical quantities such as total Facility net MW, MVar, power factor, voltages, currents, and other quantities as identified by the Company;
  - (ii) Interface with Company's Telemetry and Control, or designated communications and control interface, to provide status for circuit breakers, reactive devices, switches, and other equipment as identified by the Company;

- (iii) Interface with Company's Telemetry and Control, or designated communications and control interface, to provide control to incrementally raise and lower the voltage target at the point of regulation operating in automatic voltage regulation control;
- (iv) Interface with Company's Telemetry and Control, or designated communications and control interface, to provide the active power control requirements of this Agreement. More than one interface may be required if Facility energy components, such as a BESS and variable generation resource are controlled separately by the Company (as in grid-charging BESS);
- (v) Interface with Company's Telemetry and Control, or designated communications and control interface, for the Company to specify control system modes of operation and parameters, for remotely configurable parameters and operating states required under this Agreement;
- (vi) For Variable Energy Facilities: Interface with Company's Telemetry and Control, or designated communications and control interface, to provide telemetry of equipment availability and meteorological and production data required under Section 8 (Data and Forecasting) of this Attachment B (Facility Owned by Subscriber Organization) and the Facility's Power Possible.
- (vii) Provision for Loss of Telemetry and Control: If Company's Telemetry and Control, or designated communications and control interface, is unavailable, due to loss of communication link, Telemetry and Control failure, or other event resulting in loss of the remote control by Company, provision must be made for Subscriber Organization to be able to institute via local controls, within 5 minutes (or such

other period as Company accepts in writing) of the verbal directive by the Company System Operator, such change in voltage regulation target and real power export or import as directed by the Company System Operator.

F. If Subscriber Organization adds, deletes and/or changes any of its equipment, or changes its design in a manner that would change the characteristics of the equipment and specifications used in the IRS, Subscriber Organization shall be required to obtain Company's prior written approval. If an analysis to revise parts of the IRS is required, Subscriber Organization shall be responsible for the cost of revising those parts of the IRS, and modifying and paying for the cost of the modifications to the Facility and/or the Company-Owned Interconnection Facilities based on the revisions to the IRS.

G. Cybersecurity and Critical Infrastructure Protection.

(i) Security Policies and Documentation.

Subscriber Organization shall implement and document security policies and standards in accordance with industry best practices (e.g., aligned with the intent of NERC CIP-003-6 R1) and consistent with Company's security policies and standards. Subscriber Organization shall submit documentation describing the approach, methodology, and design to provide physical and cyber security (i.e., aligned with the intent of NERC CIP-003-6 R2) with its submittal of the design drawings pursuant to Section 1(c) (Design Drawings, Bill of Materials, Relay Settings and Fuse Selection) of Attachment B (Facility Owned by Subscriber Organization) which shall be at least sixty (60) Days prior to the Acceptance Test.

- The design shall meet industry standards and best practices,

consistent with the National Institute of Standards and Technology ("NIST") guidelines as indicated in Special Publication 800-53 Rev. 4 "Security and Privacy Controls for Federal Information Systems and Organizations" and Special Publication 800-82 Rev. 2 "Guide to Industrial Control Systems (ICS) Security". The system shall be designed with the criteria to meet applicable compliance requirements and identify areas that are not consistent with NIST guidelines and recommendations.

- The cybersecurity documentation shall include a block diagram of the control system with all external connections clearly described.
- Subscriber Organization shall provide such additional information as Company may reasonably request as part of a security posture assessment.
- Company shall be notified in advance when there is any condition that would compromise physical or cyber security.
- Subscriber Organization shall, at the request of Company or, in the absence of any request from Company, at least annually, provide Company with updated documentation and diagrams including a record of changes.

(ii) Network and Application Security.  
Subscriber Organization shall implement appropriate network and application security processes and practices

commensurate with the level of risk as determined by periodic risk assessments (i.e., aligned with the intent of NERC CIP-005-5):

- Segment and segregate networks and functions, including physical and logical separation between business networks and control system networks (i.e., aligned with the intent of NERC CIP-005-5 R1).
- Limit unnecessary lateral communications (i.e., aligned with the intent of NERC CIP-005-5 R1).
- Harden network devices (i.e., aligned with the intent of NERC CIP-007-6 R1).
- Secure access to infrastructure devices (i.e., aligned with the intent of NERC CIP-004-6 R4).
- Perform out-of-band (OoB) network management (i.e., aligned with the intent of NERC CIP-005-5 R2).
- Validate integrity of hardware and software (i.e., aligned with the intent of NERC CIP-010-3 R1 and NERC CIP-006-6 R1 Part 10).

(iii) Endpoint and Server Security. Subscriber Organization shall implement appropriate endpoint and server security processes and practices commensurate with the level of risk as determined by periodic risk assessments:

- Mechanisms to identify vulnerabilities and apply security patches in a timely manner (i.e., aligned with the intent of NERC CIP-007-6 R2).

- Malware defense and anti-phishing capabilities (i.e., aligned with the intent of NERC CIP-007-6 R3).
- Access Controls to enforce the least privilege principle and provide access to resources only for authorized users (i.e., aligned with the intent of NERC CIP-004-6 R4).
- Secure authentication mechanisms including multi-factor authentication for systems with higher risk exposure (i.e., aligned with the intent of NERC CIP-007-6 R5 and NERC CIP-005-5 R2).
- Data confidentiality, protection, and encryption technologies for endpoints, servers, and mobile devices (i.e., aligned with the intent of NERC CIP-011-2 R1 and NERC CIP-005-5 R2).

Subscriber Organization shall (consistent with the following sentence) ensure that no malicious software ("Malware") or unauthorized code is introduced into any aspect of the Facility, Interconnection Facilities, the Company Systems interfacing with the Facility and Interconnection Facilities, and any of Subscriber Organization's critical control systems or processes used by Subscriber Organization to provide energy, including the information, data and other materials delivered by or on behalf of Subscriber Organization to Company, (collectively, the "Environment"). Subscriber Organization shall periodically review, analyze and implement improvements to and upgrades of its Malware prevention and detection programs and processes that are commercially reasonable and consistent with the then current

technology industry's standards and, in any case, not less robust than the programs and processes implemented by Subscriber Organization with respect to its own information systems.

- (iv) Cybersecurity Program. Subscriber Organization shall establish and maintain a continuous cybersecurity program (i.e., aligned with the intent of NERC CIP-003-6) that enables the Subscriber Organization (or its designated third party) to:
- (aa) Define the scope and boundaries, policies, and organizational structure of the cybersecurity program.
  - (bb) Conduct periodic risk assessments to identify the specific threats to and vulnerabilities of the Subscriber Organization's Organization consistent with guidance provided in NIST Special Publication 800-30 Rev. 1 "Guide for Conducting Risk Assessments".
  - (cc) Implement appropriate mitigating controls and training programs and manage resources.
  - (dd) Monitor and periodically test the cybersecurity program to ensure its effectiveness. Subscriber Organization shall review and adjust their cybersecurity program as appropriate for any assessed risks.
  - (ee) Applicability is extended to Cloud Service providers and other third-party services the Subscriber Organization may use.
- (v) Security Monitoring and Incident Response. Company and Subscriber Organization shall collaborate on security monitoring and incident response, define points of contact on

both sides, establish monitoring and response procedures, set escalation thresholds, and conduct training (i.e., aligned with the intent of NERC CIP-008-5). Subscriber Organization shall, at the request of Company or, in the absence of any request from Company, at least quarterly, provide Company with a report of the incidents that it has identified and describe measures taken to resolve or mitigate.

In the event that Subscriber Organization discovers or is notified of a breach, potential breach of security, or security incident at Subscriber Organization's Facility or of Subscriber Organization's systems, Subscriber Organization shall immediately (aa) notify Company of such potential, suspected or actual security breach, whether or not such breach has compromised any of Company's confidential information; (bb) investigate and promptly remediate the effects of the breach, whether or not the breach was caused by Subscriber Organization; (cc) cooperate with Company with respect to any such breach or unauthorized access or use; (dd) comply with all applicable privacy and data protection laws governing Company's or any other individual's or entity's data; and (ee) to the extent such breach was caused by Subscriber Organization, provide Company with reasonable assurances satisfactory to Company that such breach, potential breach, or security incident shall not recur. Subscriber Organization shall provide documentation to Company evidencing the length and impact of the breach. Any remediation of any such breach will be at Subscriber Organization's sole expense.

If malicious software or unauthorized code is found to have been introduced into the Environment, Subscriber



Organization will promptly notify Company. Subscriber Organization shall take immediate action to eliminate and remediate the effects of the Malware, at Subscriber Organization's expense. Subscriber Organization shall not modify or otherwise take corrective action with respect to the Company Systems except at Company's request. Subscriber Organization shall promptly report to Company the nature and status of all efforts to isolate and eliminate malicious software or unauthorized code.

(vi) Monitoring and Audit. Subscriber Organization shall provide information on available audit logs and reports relating to cyber and physical and security (i.e., aligned with the intent of NERC CIP-007-6 R4). Company may audit Subscriber Organization's records to ensure Subscriber Organization's compliance with the terms of this Section 1(b)(iii)G (Cybersecurity and Critical Infrastructure Protection) of this Attachment B (Facility Owned by Subscriber Organization), provided that Company has provided reasonable notice to Subscriber Organization and any such records of Subscriber Organization's will be treated by Company as confidential.

(vii) Contingency Plans. Subscriber Organization shall implement and maintain a business continuity plan, a disaster recovery plan, and an incident response plan ("Contingency Plans" - i.e., aligned with the intent of NERC CIP-009-6) appropriate for the level of risk associated with the Work under this Agreement. The Contingency Plans shall be provided to Company upon request. Such Contingency Plans shall be updated to reflect lessons learned from real recovery events.

H. Available Power Production.

- (i) Variable Energy Systems. Subscriber Organization's available power production considering equipment and resource availability (Power Possible) will be determined at any given time using the best-available data and methods for an accurate representation of the amount of active power at the Point of Interconnection.
  
- (ii) Variable Energy Systems Paired with Storage Operated through a Single Active Power Control Interface. For variable energy systems paired with storage operated through a single active power control interface (i.e., charging indirectly controlled through dispatch), Subscriber Organization's available power production considering equipment and resource availability and state of charge of the storage (Power Possible) will be determined at any given time using the best-available data and methods for an accurate representation of the amount of active power at the Point of Interconnection. Telemetry will be provided to indicate state of charge, including available estimated duration at the current dispatch given state of charge and forecast production.
  
- (iii) Storage Directly Controlled by the Company. Subscriber Organization's available power production considering state of charge (Power Possible) will be supplied as an accurate representation of the amount of maximum and minimum (negative) available active power at the Point of Interconnection and the duration available at the current dispatch. If the Facility allows for allocation of capacity to different modes of operation (i.e., reservation of capacity for regulation or contingency response), then the available capacity in each allocated region shall be reported individually and controlled separately through separately designated

dispatch or active power control interface.

- I. For variable resources where Power Possible is derived, in part or in whole, from a measured available variable energy source such as solar or wind: To the extent available, the Parties shall use Subscriber Organization's real time Power Possible communicated to Company through the SCADA System except to the extent that the Potential Energy does not accurately reflect the actual available active power at the Point of Interconnection (plus or minus 0.1 MW). During those periods of time when the SCADA derived Power Possible is unavailable or does not accurately represent the available power production considering equipment and resource availability, the Parties shall use the best available data obtained through commercially reasonable methods to determine the Power Possible. Follow up actions to resolve the discrepancy will be as provided in Section 1(j) (Demonstration of Facility) of this Attachment B (Facility Owned by Subscriber Organization).
- J. Subscriber Organization shall reserve space within the Site for possible future installation of Company-owned meteorological equipment (such as wind speed, direction and relative humidity monitors, SODAR and irradiance monitors) and AC and DC source lines for such equipment as may be required depending on the Facility resource type and location. In the event Company decides to install such meteorological equipment: (i) Subscriber Organization shall work with Company to determine an acceptable location for such equipment and any associated wiring, interface or other components; and (ii) Company shall pay for the needed equipment, and installation of such equipment, unless otherwise agreed to by the Parties. Company and Subscriber Organization shall use commercially reasonable efforts to facilitate installation and minimize interference with the operation of the Facility.

- K. The Facility shall, at a minimum, satisfy the wind load and seismic load requirements of the International Building Code and any more stringent requirements imposed under applicable Laws.
- (c) Design Drawings, Bill of Material, Relay Settings and Fuse Selection. Subscriber Organization shall provide to Company for its review the design drawings, Bill of Material, relay settings and fuse selection for the Facility, and Company shall have the right, but not the obligation, to specify the type of electrical equipment, the interconnection wiring, the type of protective relaying equipment, including, but not limited to, the control circuits connected to it and the disconnecting devices, and the settings that affect the reliability and safety of operation of Company's and Subscriber Organization's interconnected system. Subscriber Organization shall provide the relay settings and protection coordination study, including fuse selection and AC/DC Schematic Trip Scheme (part of design drawings), for the Facility to Company during the 60% design. Company, at its option, may, with reasonable frequency, witness Subscriber Organization's operation of control, synchronizing, and protection schemes and shall have the right to periodically re-specify the settings. Subscriber Organization shall utilize relay settings prescribed by Company, which may be changed over time as Company System requirements change.
- (d) Disconnect Device. Subscriber Organization shall provide a manually operated disconnect device which provides a visible break to separate Facility from Company System. Such disconnect device shall be lockable in the OPEN position and be readily accessible to Company personnel at all times.
- (e) Other Equipment. Subscriber Organization shall install, own and maintain the infrastructure associated with the Revenue Metering Package, including but not limited to all enclosures (meter cabinets, meter pedestals, meter sockets, pull boxes, and junction boxes, along with their grounding/bonding connections), CT/PT mounting structures, conduits and ductlines, enclosure support structures, ground buses, pads, test switches, terminal blocks, isolation relays, telephone surge suppressors,

and analog phone lines (one per meter), subject to Company's review and approval.

- (f) Maintenance Plan. Subscriber Organization shall maintain Subscriber Organization-Owned Interconnection Facilities in accordance with Good Engineering and Operating Practices.
- (g) Active Power Control Interface. **[COMPANY TO REVISE THIS SECTION BASED ON SPECIFICS OF THE PROJECT.]**

- (i) Subscriber Organization shall provide and maintain in good working order all equipment, computers and software associated with the control system (the "Active Power Control Interface") necessary to interface the Facility active power controls with the Company System Operations Control Center for real power control of the Facility by the Company System Operator.

The detailed design will be tailored to the specific resource type and configuration to achieve the functional requirements of the Facility.

The Active Power Control Interface will be used to control the net real power export (or import, as applicable) from the Facility for load following, system balancing, energy arbitrage, and/or supplemental frequency control as required under this Attachment B (Facility Owned by Subscriber Organization).

For variable resources paired with storage: The implementation of the Active Power Control Interface will allow the Company System Operator to control the net real power export (or import, as applicable) from the entire Facility, up to Power Possible, remotely from the Company System Operations Control Center through control signals from the Company System Operations Control Center. The Facility will maintain the power level specified by the Company through the variable resource and BESS available energy, subject to the availability of resource and BESS State of Charge.

For facilities with grid charging storage, the Active Power Control interface may also direct the charging/discharging of energy from the BESS.

The Facility real power output (or import, if storage charging is enabled) will automatically adjust to a change in frequency in accordance with the frequency response requirements provided in this Attachment B (Facility Owned by Subscriber Organization).

- (ii) Company shall review and provide prior written approval of the design for the Active Power Control Interface to ensure compatibility with Company's centralized control systems and use of Facility available energy and storage capabilities. To ensure such continued compatibility, Subscriber Organization shall not materially change the approved design without Company's prior review and written approval. This will include design description and parameters for the Subscriber Organization's control system(s), which determine provision of net real power from the variable resource System (i.e., wind or PV) and/or the BESS storage, and charging of the BESS storage, in response to the Active Power Control signal or signals.
- (iii) The Active Power Control Interface shall include, but not be limited to, a demarcation cabinet, ancillary equipment and software necessary for Subscriber Organization to connect to Company's Telemetry and Control, located in Company's portion of the Facility switching station which shall provide the control signals to the Facility and send feedback status to the Company System Operations Control Center. The control type shall be analog output (set point) or raise/lower controls and will be established by the Company prior to final design approval.
- (iv) The Active Power Control Interface shall also include provision for feedback points from the Facility indicating when active power target in MW for the Active Power Control signal(s). The Facility shall provide the MW target feedback to the Company SCADA system immediately upon

receiving the respective control signal from the Company.

- (v) Subscriber Organization shall provide to the telemetry interface analogs for the gross production of the energy resource(s) at the Facility (for example, DC or AC MW production of the variable resource generator(s), depending on design; gross DC MW of the BESS, etc.). Subscriber Organization shall also provide the total net AC MW production at the Point of Interconnection.
- (vi) The Active Power Control Interface shall provide for remote control of the real power output of the Facility by the Company at all times. If the Active Power Control Interface is unavailable or disabled, the Facility may not export electric energy to Company and the Facility shall be deemed to be in Subscriber Organization-Attributable Non-Generation status, unless the Company, in its sole discretion, agrees on an alternate means of dispatch. If Subscriber Organization fails to provide such remote control capability (whether temporarily or throughout the Term), then, notwithstanding any other provision of this Attachment B (Facility Owned by Subscriber Organization), Company shall have the right to derate or disconnect the entire Facility during those periods that such control capability is not provided and the Facility shall be deemed to be in Subscriber Organization-Attributable Non-Generation status for such periods.
- (vii) The rate at which the Facility changes net real power in response to the active power control shall not be less than the greater of 2 MW per minute or 10% of the Facility capacity per minute, and shall make available through agreed parameters, such faster ramp as the installed equipment can support. The Facility's Active Power Control Interface will be used by Company to control the rate at which electric energy is changed to achieve the active power limit for load-following and regulation. The Facility will respond to the active power control request immediately with an echo of the set point and

measurable change within the 4 second control cycle.

(viii) The Facility shall accept the following controls related to active power and frequency response to or from the Company centralized control system:

- Power Reference Setpoint from Company (based on the input to the Facility, from the Active Power Control Interface): The Facility output shall match this setting from the Variable Resource and/or BESS so long as it can be supported by the variable resource and/or BESS State of Charge (Power Possible does not change). This net output should be accurate within +/- 0.1 MW under normal frequency conditions. This setpoint will be modified as appropriate in the controls by the appropriate frequency response consistent with Section 1(g)(xi) (Active Power - Frequency Response (DROOP)), Section 1(g)(xii) (Dynamic Active Power - Frequency Performance), and **[FOR FACILITIES WITH STORAGE]** Section 1(g)(xiii) (Alternate Active Power / Frequency Response Modes) of this Attachment B (Facility Owned by Subscriber Organization).
- For variable energy resources: The Facility shall include Variable Resource Enable/Disable control. When "Disable" is selected, the Facility shall ramp down, shutdown, and leave offline variable resource generators. When "Enable" is selected, the Facility variable resource generators can start up, ramp up, and remain in normal operations subject to Company active power dispatch.
- From Company: Frequency Response Mode (DROOP, FFR, isochronous) state (where alternate modes of operation are required).
- From Subscriber Organization:



- [For Facilities with a BESS and where required]: Capacity allocation to each mode of operation where ability to allocate capacity to different modes of operation is required (e.g., to allocate a portion of capacity to fast frequency response) and telemetered data and controls necessary to determine state of charge and gross MW and Mvar contribution, etc., operationally required for each segmented use.
- Power Possible (Available maximum capacity): See above, instantaneous limit for available energy, represents max level the Facility can produce under present resource, BESS State of Charge (if applicable) and equipment conditions. This is used as upper limit for Company Dispatch.
- For variable energy resources, maximum level the variable generation resources can produce under present variable resource and equipment conditions.
- Minimum Sustained Limit: Minimum output level the Facility can be reduced to continuously without delay (ecomn). For projects with BESS: If BESS charging from the grid is permitted, and charging capacity is available, this will be a negative value.
- Minimum Transient Limit (for frequency response, regulation) (lfcmn). For projects with BESS: If BESS charging from the grid is permitted, and charging capacity is available, this will be a negative value.
- Maximum Dispatchable Ramp Rate: Controlled ramp rate available for controlled changes in output.

- o For projects with a BESS, Subscriber Organization shall also provide the following:
  - BESS potential (BESS State of Charge and projected number of hours at present dispatch, minimum dispatch, and maximum dispatch).
  - Frequency Response Mode (DROOP, FFR, isochronous) state (where alternate modes of operation are required).
  - Capacity allocation to each mode of operation (to allow FFR and Droop allocation).

(ix) Subscriber Organization shall not override Company's active power controls without first obtaining specific approval to do so from the Company System Operator unless there is a system emergency. Disabling of the remote Active Power Control shall initiate telemetry notification to the Company.

(x) The requirements of the Active Power Control Interface may be modified as mutually agreed upon in writing by the Parties.

**Active Power Communications between Company and Subscriber Organization**

Company will receive and send AGC Set-Point and related data through the communications interface in accordance with Company standards. The data points covered under this Agreement, as described below, may overlap with data requirements described elsewhere.

**AGC Data Points to be sent from Subscriber Organization to Company via SCADA**

The following data points will be transmitted via SCADA from Subscriber Organization to Company and represent Facility level data **[Note: May be modified based on resource type and Facility requirements]**:

<u>Description</u>	<u>Units</u>
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AGC Set-Point (echo)	MW
Power demand	MW
Actual power	MW
Power Possible	MW
Actual reactive power	Mvars
Average Voltage	Kv
Variable Generation potential	MW
[Wind only] Number of turbines online and running	Integer
BESS State of Charge	Pct
[PV only] Inverters online	Integer
Facility duration at current output	HRS
AGC Status	Remote/Local
[For facilities with alternate modes of frequency response] Indication of Frequency Response Mode	Integer FFR, Droop, ISOCH

**Response times and limitations of Facility in regards to Active Power Control**

The following protocols outline the expectations for responding to the AGC Set-Point.

Frequency of Changes. Company may send a new AGC Set-Point to the Facility at up to the AGC control cycle (present 4 seconds).

Range of AGC Set-Point. The range of set point values can be between 0% and 100% of Power Possible. For projects offering grid-charging storage, negative set-point values may be required.

**Backup Communications**

In the event of an AGC failure, Company and Subscriber Organization shall communicate via telephone, or other method mutually agreeable between the Parties, in order to correct the failure.

(xi) Active Power - Frequency Response (DROOP).

The Facility shall provide a primary frequency response with a frequency droop characteristic reacting to system frequency at the Point of Interconnection in both the overfrequency and underfrequency directions except as limited by the minimum and maximum available capacity and energy potential at the time of the event including BESS state of charge. This response must be timely and sustained rather than injected for a short period and then withdrawn. For over-frequency events, response may include absorption through charging (as applicable under the terms of this Agreement). Subscriber Organization shall provide minimum operational limits for each online resource and the Facility for primary frequency response.

Frequency will be calculated over a period of time (e.g., three to six cycles, or other period as specified by Company), and filtered to take control action on the fundamental frequency component of the calculated signal. Calculated frequency may not be susceptible to spikes caused by phase jumps on the Company system.

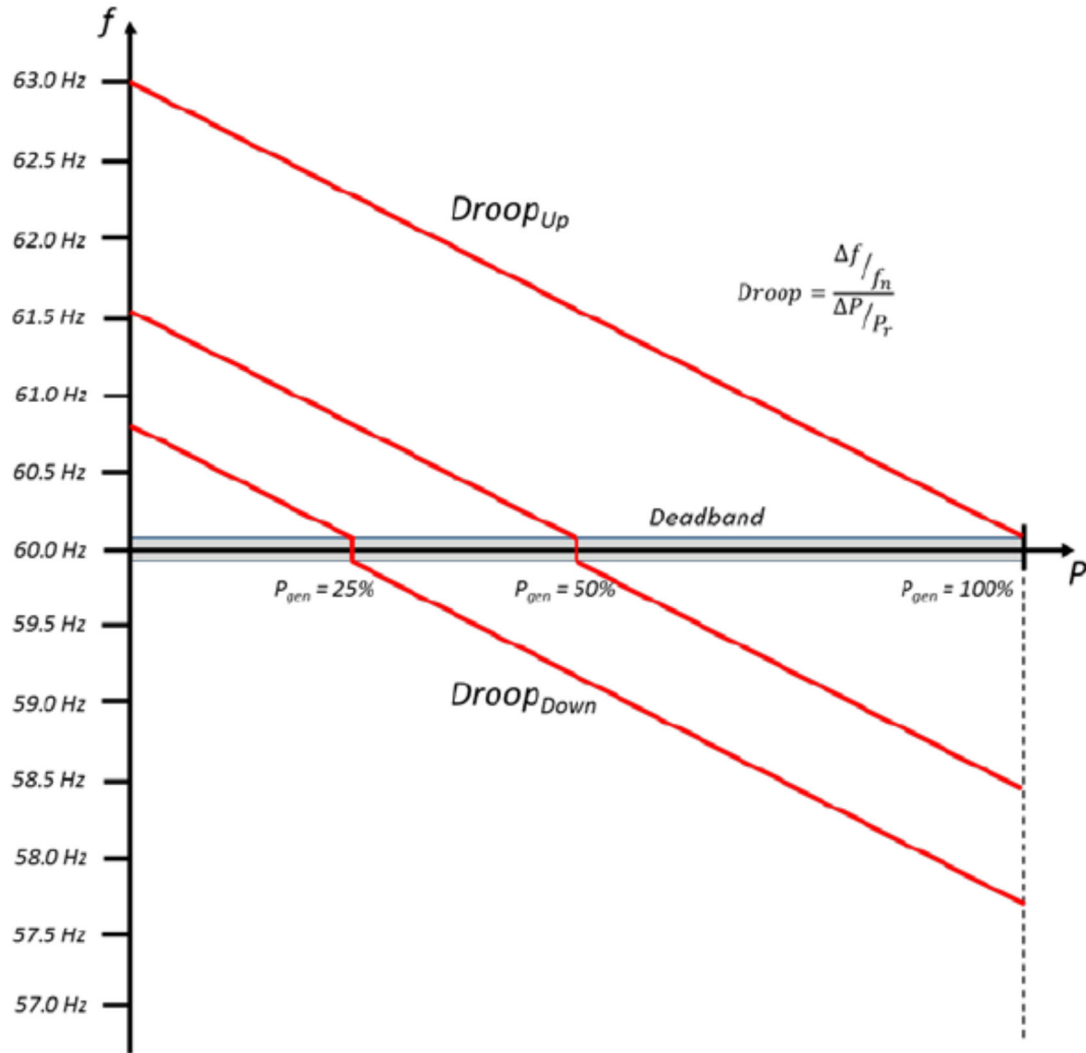
The active power-frequency control system, and overall response of the inverter-based resource (plant), must meet the following performance aspects (see figure below):

The active power-frequency control system shall have an adjustable proportional droop characteristic with a default value of [4%] percent. The droop setting shall permit a setting from 0.1% to 10%. This setting shall be changed upon Company's written request as necessary for grid droop response coordination. The droop setting shall be tunable and may be specified during commissioning. The droop shall be a permanent value based on Pmax (maximum nominal

active power output of the plant) and  $P_{min}$  (typically 0 for an inverter based resource). This keeps the proportional droop constant across the full range of operation. The curve for an inverter-based BESS may include the negative active power quadrant of this curve. The droop response must include the capability to respond in both the upward (underfrequency) and downward (overfrequency) directions. Frequency droop will be based on the difference between maximum nameplate active power output ( $P_{max}$ ) and zero output ( $P_{min}$ ) such that the [REDACTED] percent droop line is always constant for a resource.

Subscriber Organization shall make commercially reasonable efforts to provide frequency response without a deadband, but in any case, not to exceed  $\pm 0.0166$  Hz. If the active power-frequency control system has a deadband, it shall be a nonstep deadband that is adjustable between 0 Hz and the full frequency range of the droop characteristic with a default value not to exceed  $\pm 0.036$  Hz. (Nonstep deadband is where the change in active power output starts from zero deviation on either side of the deadband.) (Frequency deadband is the range of frequencies in which the unit does not change active power output.)

Inverter-based resources may consider a small hysteresis characteristic where linear droop meets any deadband to reduce dithering of inverter output when operating near the edges of the deadband. The hysteresis range may not exceed  $\pm 0.005$  Hz on either side of the deadband. If measurement resolution is not sufficient to measure this frequency, hysteresis may not be used.



**Active Power - Frequency Control Characteristic**

Nominal System Frequency is 60.00 Hz.

The closed-loop dynamic response of the active power-frequency control system of the overall inverter-based resources, as measured at the POI must have the capability to meet or exceed the performance specified in below. Subscriber Organization shall ensure that the models and parameters for the resources and control equipment are consistent with those provided during the IRS process and that any updates have been provided to the Company reflecting currently implemented settings and configuration.

(xii) Dynamic Active Power-Frequency Performance.

For a step change in frequency at the point of measure of the inverter-based resource **[NOTE - MAY BE ADJUSTED AS THE RESULT OF IRS]**:

Reaction time: The time between a step change in frequency and the time when the resource active power output begins responding to the change shall be less than 500 Ms, or as otherwise specified by Company.<sup>1</sup>

Rise time: The time when the resource has reached 90% of the new steady-state (target) active power output shall be less than 4 seconds, or as otherwise specified by Company.<sup>2</sup>

Settling Time: Time in which the resource has entered into, and remains within, the settling band of the new steady-state active power (target) output shall be less than 10 seconds, or as otherwise specified by Company.

Overshoot: Percentage of the rated active power output that the resource can exceed while reaching the settling band shall be less than 5% or as otherwise specified by Company.<sup>3</sup>

Settling Band: Percentage of rated active power output that the resource should settle to within the settling time shall be less than 2.5%.

When operating in parallel with the Company System, the Facility shall operate with its primary frequency response control in automatic operation and in accordance with Company directions. Notification of changes in the status of the frequency response controls and, where applicable, mode of operation must be provided to the Company System Operator immediately through SCADA telemetry indication.

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<sup>1</sup> Time between step change in frequency and the time to 10 percent of new steady-state value can be used as a proxy for determining this time.

<sup>2</sup> Percentage based on final (expected) settling value.

<sup>3</sup> Percentage based on final (expected) settling value.

The Facility frequency response control shall adjust, without intentional delay and without regard to the ramp rate limits in Section 3(c) (Ramp Rates) of this Attachment B (Facility Owned by Subscriber Organization), the Facility's net real power export based on frequency deadband and frequency droop settings specified by the Company.

The Facility frequency response control shall increase the net real power export above the Power Reference Setpoint set under Section 1(g) (viii) of this Attachment B (Facility Owned by Subscriber Organization) or further decrease the net real power export from the Power Reference Limit in its operations in accordance with the frequency response settings.

The Facility frequency response control shall be in continuous operation unless directed otherwise by the Company.

(xiii) **[FOR FACILITIES WITH STORAGE]**. Alternate Active Power/ Frequency Response Modes. The Facility will provide the capability to supply isochronous or fast frequency response modes of operation, in addition to normal droop, which can be set remotely or locally. The control design shall allow for a bumpless transfer between modes of operation.

A. **Fast Frequency Response (FFR)**: This mode of operation will permit the Facility to respond to system frequency disturbances with a fast charge/discharge response in accordance with the frequency response droop settings. In this mode of operation, the Facility frequency response is configured to provide fast frequency response, as an alternative setting to the typical steady-state frequency response. When in this mode of operation, the frequency droop characteristics are configured to charge or discharge with a different set of parameters to allow for a faster and larger proportional charge and discharge in response to frequency changes outside of the configurable deadband. The initial parameter settings will be specified by



Company following the IRS, and additional tuning and adjustment of configurable parameters may be required based on review of response to actual system events. When in FFR mode, when system frequency is within the fast frequency response deadband, the Facility will operate to maintain a percentage state of charge, which is configurable on Company request (i.e., 50%), managed at a charging/discharging rate also specified by Company.

- B. Isochronous / Black Start: The Facility will be capable of operating in a zero droop (isochronous) mode of operation. When in this mode of operation, the frequency droop characteristic will be configured as needed to keep system frequency at a target. In a black start configuration, the target shall be 60 Hz. If isochronous is specified while in operation, the target shall be initialized to the grid frequency and the target increased or decreased from the Company System through the control interface.

(h) Control System Acceptance Test Procedures.

- (i) Conditions Precedent. The following conditions precedent must be satisfied prior to conducting the Control System Acceptance Test:

- Successful completion of the Acceptance Test.
- Facility has been successfully energized.
- All of the Facility's generators (as applicable) have been fully commissioned.
- The control system computer has been programmed for normal operations.
- All equipment that is relied upon for normal operations (including ancillary devices such as capacitors/inductors, energy storage device, statcom, etc.) shall have been commissioned and be operating within normal parameters.

- (ii) Facility Energy Equipment. In the event that all or any portion of the Facility's energy equipment is not available for the duration of the Control System Acceptance Test, the Control System Acceptance Test will have to be re-run from the beginning unless Subscriber Organization demonstrates to the satisfaction of the Company that the test results attained are consistent with the results that would have been attained if all of the equipment had been available for the duration of the test.
- (iii) Procedures. The Control System Acceptance Test will be conducted on Business Days during normal working hours on a mutually agreed upon schedule. No Control System Acceptance Test will be scheduled during the final 21 Days of a calendar year. No later than thirty (30) Days prior to conducting the Control System Acceptance Test, Company and Subscriber Organization shall agree on a written protocol setting out the detailed procedure and criteria for passing the Control System Acceptance Test. Attachment O (Control System Acceptance Test Criteria) provides general criteria to be included in the written protocol for the Control System Acceptance Test. Within fifteen (15) Business Days of completion of the Control System Acceptance Test, Company shall notify Subscriber Organization in writing whether the Control System Acceptance Test(s) has been passed and, if so, the date upon which such Control System Acceptance Test(s) was passed. If any changes have been made to the technical specifications of the Facility or the design of the Facility in accordance with Section 5(f) of Attachment A (Description of Generation, Conversion and Storage Facility), such changes shall be reflected in an amendment to this Agreement, and the written protocol for the Control Systems Acceptance Test shall be based on the Facility as modified. Such amendment shall be executed prior to conducting the Control System Acceptance Test and Company shall have no obligation for any delay in performing the Control Systems Acceptance Test due to the need to complete and execute such amendment.

- (i) Facility Security and Maintenance. Subscriber Organization is responsible for securing the Facility. Subscriber Organization shall have personnel available to respond to all calls related to security incidents and shall take commercially reasonable efforts to prevent any security incidents. Subscriber Organization is also responsible for maintaining the Facility, including vegetation management, to prevent security breaches. Subscriber Organization shall comply with all commercially reasonable requests of Company to update security and/or maintenance if required to prevent security breaches.
- (j) Demonstration of Facility. Company shall have the right at any time, other than during maintenance or other special conditions, communicated by Subscriber Organization, to notify Subscriber Organization in writing of Subscriber Organization's failure, as observed by Company and set forth in such written notice, to meet the operational and performance requirements specified in Section 1(b)(iii)(I), Section 1(g) (Active Power Control Interface) and Section 3 (Performance Standards) of this Attachment B (Facility Owned by Subscriber Organization), and to require documentation or testing to verify compliance with such requirements. Upon receipt of such notice, Subscriber Organization shall promptly investigate the matter, implement corrective action and provide to Company, within thirty (30) Days of such notice, a written report of both the results of such investigation and the corrective action taken by Subscriber Organization; provided, that, if thirty (30) Days is not a reasonable time period to investigate the matter, implement corrective action and provide such written report, Subscriber Organization shall complete the foregoing within such longer commercially reasonable period of time agreed to by the Parties in writing. If the Subscriber Organization's report does not resolve the issue to Company's reasonable satisfaction, the Parties shall promptly commission a study to be performed by one of the engineering firms then included on the Qualified Independent Third-Party Consultants List attached to the Agreement as Attachment D (Consultants List) to evaluate the cause of the non-compliance and to make recommendations to remedy such non-compliance. Subscriber Organization shall pay for the cost of the study. The study shall be completed within ninety (90)

Days, unless the selected consultant determines such study cannot reasonably be completed within ninety (90) Days, in which case, such longer period of time as the selected consultant determines is necessary to complete such study shall apply. The consultant shall send the study to Company and Subscriber Organization. Subscriber Organization (and/or its Third-Party consultants and contractors), at Subscriber Organization's expense, shall take such action as the study shall recommend with the objective of resolving the non-compliance. Such recommendations shall be implemented by Subscriber Organization to Company's reasonable satisfaction no later than forty-five (45) Days from the Day the completed study is issued by the consultant, unless such recommendations cannot reasonably be implemented within forty-five (45) Days, in which case, Subscriber Organization shall implement such recommendations within such longer commercially reasonable period of time agreed to by the Parties in writing. Failure to implement such recommendations within this period shall constitute a material breach of this Agreement. Unless the aforementioned written report and study are being completed, and any recommendations are being implemented, solely to address Subscriber Organization's failure to satisfy the requirements of Section 3(w) (Round Trip Efficiency) of this Attachment B (Facility Owned by Subscriber Organization), the Company shall have the right to declare the Facility derated and in Subscriber Organization-Attributable Non-Generation status until the Subscriber Organization's aforementioned written report has been completed, any subsequent study commissioned by the Parties has been completed and any recommendations to resolve the non-compliance have been implemented to Company's reasonable satisfaction.

2. Operating Procedures. **[NOTE: NUMERICAL SPECIFICATIONS IN THIS SECTION 2 MAY VARY DEPENDING ON THE SPECIFIC PROJECT AND THE RESULTS OF THE PROJECT-SPECIFIC INTERCONNECTION REQUIREMENT STUDY.]**

- (a) Reviews of the Facility. Company may require periodic reviews of the Facility, maintenance records, available operating procedures and policies, and relay settings, and Subscriber Organization shall implement changes Company deems necessary for parallel operation or to protect the Company System

from damages resulting from the parallel operation of the Facility with the Company System.

- (b) Separation. Subscriber Organization must separate from Company System whenever requested to do so by the Company System Operator pursuant to Article 8 (Company Dispatch) and Article 9 (Personnel and System Safety) of the Agreement.
- (c) Subscriber Organization Logs. Logs shall be kept by Subscriber Organization for information on unit availability including reasons for planned and forced outages, circuit breaker trip operations, relay operations, including target initiation, and other unusual events. Company shall have the right to review these logs, especially in analyzing system disturbances. Subscriber Organization shall maintain such records for a period of not less than six (6) years.
- (d) Reclosing and Return to Service. Under no circumstances shall Subscriber Organization, when separated from the Company System for any reason, including tripping during disturbances or due to equipment failure, reclose into the Company System without first obtaining specific approval to do so from the Company System Operator. Ramp rates, behavior and mode of operation upon return to service shall conform to verbal instructions from the System Operator or Active Power control from Company. Following "system black" conditions, the Facility shall not attempt to automatically reconnect to the grid (unless directed by the Company System Operator) so as to not interfere with blackstart procedures.
- (e) Reserved.
- (f) Reserved.
- (g) Critical Infrastructure Protection. Subscriber Organization shall comply with the critical infrastructure protection requirements set forth in Section 1(b) (iii) (G) of this Attachment B (Facility Owned by Subscriber Organization).
- (h) Allowed Operations. Facility shall be allowed to export energy to the Company System only when the [\_\_\_\_\_] circuit is in normal operating

configuration served by breaker [\_\_\_\_\_] at [\_\_\_\_\_] Substation. **[TO BE DETERMINED BY COMPANY BASED ON THE RESULTS AND REQUIREMENTS OF THE IRS]**

3. Performance Standards.

- (a) Reactive Power Control. Subscriber Organization shall control its reactive power by automatic voltage regulation control. Subscriber Organization shall automatically regulate voltage at a point, the point of regulation, between the Subscriber Organization's generator terminal and the Point of Interconnection to be specified by Company, to within 0.5% of a voltage or power factor specified by the Company System Operator to the extent allowed by the Facility reactive power capabilities as defined in Section 3(b) (Reactive Power Characteristics) of this Attachment B (Facility Owned by Subscriber Organization).
- (b) Reactive Power Characteristics. **[THESE REQUIREMENTS MAY BE CHANGED BY COMPANY UPON COMPLETION OF THE IRS.]**
- (i) The Facility must deliver power up to the Allowed Capacity (MW) at a power factor between 95% lagging and 95% leading to the Company System as illustrated in the **[generator capability]** curve(s) attached to this Agreement as Exhibit B-2, which represents the Facility Composite (Generator and Energy Storage Capability Curve(s)). Facilities with a BESS with grid charging can operate with negative active power. These facilities shall provide automatic voltage control within their reactive capability while acting as a load (charging, negative active power generation). The automatic voltage control aspects of a BESS shall be seamless across the transition from acting as a generating resource to acting as a load. The Facility must be capable of automatically adjusting reactive control to maintain the bus voltage at the Point of Interconnection to meet the scheduled voltage set point target specified by the Company System Operator and be capable of supplying reactive power at the leading/lagging 0.95 power factor at all active power outputs down to zero active power. The voltage target will be specified remotely by the Company System Operator through the SCADA/EMS. The Facility's voltage set point target

must reflect the Company voltage set point target controlled from the SCADA/EMS, without delay. The Facility should not normally operate on a fixed var or fixed power factor unless agreed by Company. The voltage setpoint target and present Facility minimum and maximum reactive power limits based on the Facility Composite capability curve shall be provided to the Company EMS through Company's Telemetry and Control.

- (ii) The Facility shall contain equipment able to continuously and actively control the output of reactive power under automatic voltage regulation control reacting to system voltage changes. The response requirements are differentiated for large and small signal disturbance performance characteristics. Small signal disturbances are those that reflect normal variations under non-disturbance conditions, the continuous operation range for voltage ride through:  $0.80 \text{ pu} \leq V \leq 1.00 \text{ pu}$  at the point of interconnection. Large disturbance is where the voltage at the point of interconnection falls outside the continuous operating range.
- 1. For small signal disturbances, reaction time between the step change in voltage and the reactive power change shall be less than 500 msec (no intentional time delay). The automatic voltage regulation response speed at the point of regulation shall be such that at least 90% of the initial voltage correction needed to reach the voltage control target will be achieved within 1 second following a step change. The percentage of rated reactive power output that the resource can exceed while reaching the settling band shall be less than five percent (5%).
- 2. Large disturbances: Large disturbances are characterized by voltage falling outside of the continuous operating range. The Facility shall adhere to the following characteristics for large disturbances:

The response of each generating resource over its full operating range and for all expected grid conditions should be stable. The dynamic

performance of each resource should be tuned to provide this stable response. Company will work with Subscriber Organization to ensure during the interconnection process that each resource supports Company System reliability and provides a stable transient response to grid events. **[Note - The performance specifications described here may need to be modified based on studies performed for specific interconnections to provide a stable response.]**

Inverter-based resources shall operate in closed loop automatic voltage control at all times to support voltage regulation and voltage stability. Either the individual inverters or the plant-level closed loop automatic voltage controller must operate with a relatively fast response characteristic to mitigate steady-state voltage issues from causing dynamic voltage collapse. The plant-level controller may send voltage or reactive power set point changes to the individual inverters relatively fast, or the inverters will respond locally (depending on control architecture).

For a large disturbance step in voltage, measured at the inverter terminals, where voltage falls outside the continuous operating range, the positive sequence component of the inverter reactive current response must meet the performance specifications set forth below. These parameters may be adjusted following additional study and/or operational testing and performance.

Reaction time: Time between the step change in voltage and when the resource reactive power output begins responding to the change. The reaction time shall be less than 16 msec.

Rise time: Time between a step change in control signal input and when the reactive power output changes by 90 percent of its final value. The rise time shall be less than 100 msec.

Overshoot: Percentage of rated reactive current output that the resource can exceed when reaching the settling band. Overshoot will be determined following the IRS such that any overshoot in



reactive power response does not cause Company System voltages to exceed acceptable voltage limits. The magnitude of the dynamic response may be requested to be reduced based on stability studies or actual operational data review.

If the Facility does not operate in accordance with Section 3(b) of this Attachment B (Facility Owned by Subscriber Organization), Company may disconnect all or a part of Facility from Company System until Subscriber Organization corrects its operation (such as by installing supplemental reactive power equipment or additional control modifications, at Subscriber Organization's expense).

(c) Ramp Rates.

Subscriber Organization shall ensure that the ramp rate of the Facility is less 2 MW a minute for all conditions other than those under control of the Company System Operator and/or those due to desired frequency response, including start up, depletion of storage charge and resource, locally controlled startup and shut down.

(d) Ride Through.

Ride-Through requires that the resource continues to inject current within the "No Trip" zone of the voltage and frequency ride-through requirements. Unless approved during the Interconnection Requirements Study analysis, resources should not use "momentary cessation" within the ride-through regions for any of the ride-through requirements in this Attachment B (Facility Owned by Subscriber Organization).

(e) Undervoltage Ride-Through.

The Facility, as a whole, will meet the following undervoltage ride-through requirements during low voltage affecting one or more of the three voltage phases ("V" is the voltage of any three voltage phases at the Point of Interconnection). For alarm conditions the Facility shall not disconnect from the Company System unless the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System. **[THESE VALUES MAY BE CHANGED BY COMPANY UPON COMPLETION OF THE IRS. WITHOUT**

**LIMITATION, FOR A DISTRIBUTION-CONNECTED FACILITY, UPON COMPLETION OF THE IRS THE COMPANY MAY SPECIFY REQUIREMENTS FOR A MANDATORY DISCONNECTION FROM THE COMPANY SYSTEM. ]:**

- 0.80 pu  $\leq$  V  $\leq$  1.00 pu      The Facility remains connected to the Company System and in continuous operation.
- 0.00 pu  $\leq$  V < 0.80 pu      The Facility remains connected to the Company System and in continuous operation for a minimum of 600 milliseconds per event (while "V" remains in this range). The Facility may initiate an alarm if "V" remains in this range for more than 600 milliseconds; the duration of the event is measured from the point at which the voltage drops below 0.80 pu and ends when the voltage is at or above 0.80 pu. The 600 milliseconds represents a delayed clearing time of 30 cycles plus breaker opening time.

Protective Undervoltage Relaying (27) shall be set to alarm only to meet the above ride-through requirements, and shall not initiate a disconnect from the Company System unless Subscriber Organization reasonably determines based upon Good Engineering and Operating Practices that the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System.

Subscriber Organization shall have sufficient capacity to fulfill the above mentioned requirements to ride-through subsequent events 300 cycles or more apart, between which the voltage at the POI recovers above 0.80 pu. **[THE ACTUAL RIDE-THROUGH TIMES WILL BE DETERMINED BY COMPANY IN CONNECTION WITH THE IRS]**

- (f) Over Voltage Ride-Through.

The overvoltage protection equipment at the Facility shall be set so that the Facility will meet the following overvoltage ride-through requirements during high voltage affecting one or more of the three voltage phases (as described below) ("V" is the voltage of any of the three voltage phases at the Point of Interconnection). For alarm conditions the Facility should not disconnect from the Company System unless the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System. **[THESE VALUES MAY BE CHANGED BY THE COMPANY UPON COMPLETION OF THE IRS. WITHOUT LIMITATION, FOR A DISTRIBUTION-CONNECTED FACILITY, UPON COMPLETION OF THE IRS THE COMPANY MAY SPECIFY REQUIREMENTS FOR A MANDATORY DISCONNECTION FROM THE COMPANY SYSTEM AT  $V > 1.2$  pu. RIDE-THROUGH REQUIREMENTS FOR OTHER SYSTEMS WILL BE DETERMINED IN THE IRS.]**:

- |  |   |
|--|---|
| $1.00 \text{ pu} < V \leq 1.10 \text{ pu}$ | The Facility remains connected to the Company System.   |
| $1.10 \text{ pu} < V \leq 1.15 \text{ pu}$ | The Facility remains connected to the Company System and in continuous operation no less than 30 seconds; the duration of the event is measured from the point at which the voltage increases at or above 1.1 pu and ends when voltage is at or below 1.1 pu. |
| $V > 1.15 \text{ pu}$                      | The Facility remains connected to the Company System and in continuous operation for as long as possible as allowed by the equipment operational limitations.   |

Protective Overvoltage Relaying (59) shall be set to alarm only to meet the above ride-through requirements, and shall not initiate a disconnect from the Company System unless Subscriber Organization reasonably determines based upon Good Engineering and Operating Practices that the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System.

(g) Transient Stability Ride-Through.

The Facility shall be designed such that the transient stability of Company System is maintained for normally cleared and secondarily cleared faults. The Facility will be required to remain connected through anticipated rates of change of frequency **[TO BE PROVIDED UPON COMPLETION OF IRS]**

(h) [RESERVED]

(i) Underfrequency Ride-Through.

The Facility shall meet the following underfrequency ride-through requirements during an underfrequency disturbance, and export of power shall continue with output adjusted as appropriate for Facility droop response consistent with Section 1(g)(xi) (Active Power - Frequency Response (DROOP)), Section 1(g)(xii) (Dynamic Active Power - Frequency Performance), and **[FOR FACILITIES WITH STORAGE]** Section 1(g)(xiii) (Alternate Active Power / Frequency Response Modes) of this Attachment B (Facility Owned by Subscriber Organization) (" $f$ " is the Company System frequency at the Point of Interconnection):

$57.0 \text{ Hz} \leq f \leq 60.0 \text{ Hz}$

The Facility remains connected to the Company System and in continuous operation.

$56.0 \text{ Hz} \leq f < 57.0 \text{ Hz}$

The Facility remains connected to the Company System and in continuous operation for at least six (6) seconds per event. The duration of the event is from the point at which the frequency is below 57 Hz and ends when the frequency is at or above 57 Hz. The Facility may initiate an alarm if frequency remains in this range for more than six (6) seconds.

$f < 56.0 \text{ Hz}$

The Facility remains connected to the Company System and in

continuous operation for the duration allowed by the equipment operational limitations. The Facility may initiate an alarm immediately.

Protective Underfrequency Relaying (81U) shall be set to alarm only to meet the above ride-through requirements, and shall not initiate a disconnect from the Company System unless Subscriber Organization reasonably determines based upon Good Engineering and Operating Practices that the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System.

Any tripping on calculated frequency should be based on accurately calculated and filtered frequency measurement over a time frame of minimum six cycles, or other period as specified by the Company, and should not use an instantaneously calculated value.

(j) Overfrequency Ride-Through.

The Facility will behave as specified below for overfrequency conditions, and export of power shall continue with output adjusted as appropriate for Facility droop response consistent with Section 1(g)(xi) (Active Power - Frequency Response (DROOP)), Section 1(g)(xii) (Dynamic Active Power - Frequency Performance), and **[FOR FACILITIES WITH STORAGE]** Section 1(g)(xiii) (Alternate Active Power / Frequency Response Modes) ("f" is the Company System frequency at the Point of Interconnection):

60.0 Hz < f ≤ 61.5 Hz

The Facility remains connected to the Company System and in continuous operation.

61.5 Hz < f ≤ 63.0 Hz

The Facility remains connected to the Company System for at least ten (10) seconds. After ten seconds, the Facility may initiate an alarm and the Facility remains connected and producing power for the duration allowed by the equipment operational

limitations. The duration of condition is from the point at which the frequency is above 61.5 Hz and ends when the frequency is at or below 63.0 Hz.

f > 63.0 Hz

The Facility remains connected to the Company System for the duration allowed by the equipment operational limitations. The Facility may initiate an alarm immediately.

Protective Overfrequency Relaying (810) shall be set to alarm only to meet the above ride-through requirements, and shall not initiate a disconnect from the Company System unless Subscriber Organization reasonably determines based upon Good Engineering and Operating Practices that the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System.

Any tripping on calculated frequency should be based on accurately calculated and filtered frequency measurement over a time frame of minimum six cycles, or other period as specified by the Company, and should not use an instantaneously calculated value.

(k) Successive Faults.

If the resource necessitates tripping to protect from the cumulative effects of those successive faults, in a period of time to ensure safety and equipment integrity, the constraint and time periods should be provided for inclusion in the interconnection study. For all cases, at a minimum, the ride-through requirements shall be met for two ride-through events within two seconds to allow for the Company's transmission automatic reclosing attempt. **[Note - this requirement may be modified based on the results of the IRS.]**

(l) Rate of Change of Frequency ("ROCOF").

The inverter-based resources in the Facility shall not use rate-of-change-of-frequency protection unless an equipment limitation exists that requires the inverter

to trip on high ROCOF. Any ROCOF tripping must be approved by Company.

(m) Phase Angle Shift Ride-Through.

The Facility equipment shall ride through phase angle shift of up to ( ) **[Note - requirements will depend on Facility]**. Inverter phase lock loop (PLL) loss of synchronism shall not cause the inverter to trip or enter momentary cessation within the voltage and frequency ride-through region. Inverters must be capable of riding through temporary loss of synchronism, and regain synchronism, without causing a trip or momentary cessation of the resource.

(n) DC Protection.

If the Facility requires DC reverse current protection, such protection must be coordinated with the inverter equipment module ratings and set to operate for short circuits on the DC side. DC reverse current protection shall not operate for transient overvoltage or for AC-side faults.

(o) Voltage Flicker.

Any voltage flicker on the Company System caused by the Facility shall not exceed the limits stated in IEEE Standard 1453-2011, or latest version "Recommended Practice - Adoption of IEC 61000-4-15:2010, Electromagnetic compatibility (EMC) - Testing and measurement techniques - Flickermeter - Functional and design specifications".

(p) Harmonics.

Harmonic distortion at the Point of Interconnection caused by the Facility shall not exceed the limits stated in IEEE Standard 519-1992, or latest version "Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems". Subscriber Organization shall be responsible for the installation of any necessary controls or hardware to limit the voltage and current harmonics generated from the Facility to defined levels.

(q) Grid Forming Capabilities.

**[NOTE APPLICABILITY BASED ON RESOURCE TYPE AND DESIGN,  
FOR PV INVERTER BASED RESOURCES PAIRED WITH STORAGE]**

Subscriber Organization Facility inverters shall be capable of operating in grid forming mode supporting system operation under normal and emergency conditions without relying on the characteristics of synchronous machines. This includes operation as a current independent ac voltage source during normal and transient conditions (as long as no limits are reached within the inverter) and the ability to synchronize to other voltage sources or operate autonomously if a grid reference is unavailable.

- (i) Subscriber Organization shall operate the Facility in grid forming mode only as directed by the Company System Operator, in its sole discretion. Such mode of operation shall be indicated to the Company System Operator through telemetry.
  - (ii) The Facility shall include safeguards to prevent the unintentional switching of the Facility into and out of grid forming mode. The safeguards shall be approved in writing by the Company and implemented by the Subscriber Organization prior to control system testing.
- (r) Black Start Capability.

**[NOTE - APPLICABILITY BASED ON RESOURCE TYPE AND DESIGN,  
FOR PV INVERTER BASED RESOURCES PAIRED WITH STORAGE]** [For

synchronous machines, require capability to operate in isochronous control and black start.] The BESS shall be capable of grid forming inverter capability so it can generate its own AC waveform rather than relying on a grid voltage to synchronize and maintain frequency. Further, inverter-based resources shall ensure they have sufficient energy storage to maintain power injection to the grid during system restoration (i.e., have power available when and if called upon). Inverter based facilities should be capable of support as a black start cranking path to start synchronous generators for restoration.

- (s) Provision of Synthetic Inertia. [TO BE DETERMINED BASED ON IRS.]
- (t) Generator Step-Up Transformer Impedance.



The generator step-up transformer impedance shall be between [ ] percent and [ ] percent, inclusive, on transformer OA rating. [NOTE: THESE VALUES WILL BE BASED ON THE RESULTS OF THE IRS.]

(u) Control Systems and Auxiliary Equipment.

The power source for control systems and auxiliary equipment required for normal operation of the Facility shall be designed to be immune from system transients in accordance with the Public Utilities Commission of the State of Hawai'i tariff for Maui Electric Company, Ltd. Rule No. 2, Character of Service (Revised Sheet No. 5, effective Oct. 20, 1991) and Section 3.2(A)(6) (Facility Protection and Control Equipment) to meet the performance during under/over voltage and under/over frequency conditions pursuant to Section 3(e) (Undervoltage Ride-Through), Section 3(f) (Over Voltage Ride-Through), Section 3(i) (Underfrequency Ride-Through) and Section 3(j) (Overfrequency Ride-Through) of this Attachment B (Facility Owned by Subscriber Organization).

(v) Frequency Response.

Subscriber Organization shall comply with the requirements of Section 1(g)(xi) (Frequency Response (DROOP)), Section 1(g)(xii) (Dynamic Active Power - Frequency Performance), and **[FOR FACILITIES WITH STORAGE]** Section 1(g)(xiii) (Alternate Active Power / Frequency Response Modes) of this Attachment B (Facility Owned by Subscriber Organization).

(w) Round Trip Efficiency.

The round trip efficiency of the BESS as measured at the POI shall be not less than [ ] percent ([ ]%).  
[Drafting Note: The percentage for round trip efficiency should be taken from Subscriber Organization's response ]

(x) Unintentional Islanding.

A Facility's inverters shall be certified to meet the unintentional islanding requirement stated in IEEE 1547-2018 (or latest version), "IEEE Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power System

Interfaces." Ride through requirements specified herein shall not inhibit the islanding detection performance where a valid unintentional islanding condition exists.

4. Maintenance of Subscriber Organization-Owned Interconnection Facilities.

- (a) Subscriber Organization must address any Disconnection Event (as defined below) according to the requirements of this Section 4 (Maintenance of Subscriber Organization-Owned Interconnection Facilities) of Attachment B (Facility Owned by Subscriber Organization). For the purposes of this Section 4 (Maintenance of Subscriber Organization-Owned Interconnection Facilities), a "Disconnection Event" is the removal of [REDACTED] [or 100% of capacity for facilities with capacity less than 7.5 MW] or more from Company System and/or disconnection of the Facility from the Company's System (i) that is not the result of Company dispatch, frequency droop response, or isolation of the Facility resulting from designed protection fault clearing, and (ii) for which Company does not issue the written notice for failure to meet operational and performance requirements as set forth in Section 1(j) (Demonstration of Facility) of this Attachment B (Facility Owned by Subscriber Organization). Company's election to exercise its rights under Section 1(j) (Demonstration of Facility) shall not relieve Subscriber Organization of its obligation to comply with the requirements of this Section 4 (Maintenance of Subscriber Organization-Owned Interconnection Facilities) for any future Disconnection Event during the pendency of such election or thereafter.
- (b) For every Disconnection Event from the Company System, Subscriber Organization shall investigate the cause. Within three (3) Business Days, Subscriber Organization shall provide, in writing to Company, an incident report that summarizes the sequence of events and probable cause.
- (c) Within forty-five (45) Days of a Disconnection Event, Subscriber Organization shall provide, in writing to Company, Subscriber Organization's findings, data relied upon for such findings, and proposed actions to prevent reoccurrence of a Disconnection Event ("Proposed

Actions"). Company may assist Subscriber Organization in determining the causes of and recommendations to remedy or prevent a Disconnection Event ("Company's Recommendations"). Subscriber Organization shall implement such Proposed Actions (as modified to incorporate the Company's Recommendations, if any) and Company's Recommendations (if any) in accordance with the time period agreed to by the Parties.

- (d) In the event Subscriber Organization and Company disagree as to (i) whether a Disconnection Event occurred, (ii) the sequence of events and/or probable cause of the Disconnection Event, (iii) the Proposed Actions, (iv) Company's Recommendations, and/or (v) the time period to implement the Proposed Actions and/or Company's Recommendations, then the Parties shall follow the procedure set forth in Section 5 (Expedited Dispute Resolution) of this Attachment B (Facility Owned by Subscriber Organization).
- (e) Upon the fourth (4th) Disconnection Event (and each subsequent Disconnection Event) within any Contract Year, the Parties shall follow the procedures set forth in Section 4(a) and Section 4(d) of Attachment B (Facility Owned by Subscriber Organization), to the extent applicable. If after following the procedures set forth in this Section 4 (Maintenance of Subscriber Organization-Owned Interconnection Facilities) of Attachment B (Facility Owned by Subscriber Organization), Subscriber Organization and Company continue to have a disagreement as to (1) the probable cause of the Disconnection Event, (2) the Proposed Actions, (3) the Company's Recommendations, and/or (4) the time period to implement the Proposed Actions and/or the Company's Recommendations, then the Parties shall commission a study to be performed by a qualified independent Third-Party consultant ("Qualified Consultant") chosen from the Qualified Independent Third-Party Consultants List ("Consultants List") attached to the Agreement as Attachment D (Consultants List). Such study shall review the design of, review the operating and maintenance procedures dealing with, recommend modifications to, and determine the type of maintenance that should be performed on Subscriber Organization-Owned Interconnection Facilities ("Study"). Subscriber Organization and Company shall each pay for one-half of the total cost of the Study. The Study

shall be completed within ninety (90) Days from such fourth Disconnection Event (and each subsequent Disconnection Event) within any Contract Year, unless the Qualified Consultant determines the Study cannot reasonably be completed within ninety (90) Days, in which case, such longer period of time as the Qualified Consultant determines is necessary to complete the Study shall apply. The Qualified Consultant shall send the Study to Company and Subscriber Organization. Subscriber Organization (and/or its Third-Party consultants and contractors), at Subscriber Organization's expense, shall change the design of, change the operating and maintenance procedures dealing with, implement modifications to, and/or perform the maintenance on Subscriber Organization-Owned Interconnection Facilities recommended by the Study. Such design changes, operating and maintenance procedure changes, modifications, and/or maintenance shall be completed no later than forty-five (45) Days from the Day the completed Study is issued by the Qualified Consultant, unless such design changes, operating and maintenance procedure changes, modifications, and/or maintenance cannot reasonably be completed within forty-five (45) Days, in which case, Subscriber Organization shall complete the foregoing within such longer commercially reasonable period of time agreed to by the Parties in writing. Company shall have the right to derate the Facility to a level that maintains reliable operations in accordance with Good Engineering and Operating Practices, and the Facility shall be deemed to be in Subscriber Organization-Attributable Non-Generation status, until the study has been completed and the study's recommendations have been implemented by Subscriber Organization to Company's reasonable satisfaction. Nothing in this provision shall affect Company's right to dispatch the Facility as provided for in this Agreement.

- (f) The Consultants List attached hereto as Attachment D (Consultants List) contains the names of engineering firms which both Parties agree are fully qualified to perform the Study. At any time, except when a Study is being conducted, either Party may remove a particular consultant from the Consultants List by giving written notice of such removal to the other Party. However, neither Party may remove a name or names from the Consultants List without approval of the other Party if

such removal would leave the list without any names. Intended deletions shall be effective upon receipt of notice by the other Party, provided that such deletions do not leave the Consultants List without any names. Proposed additions to the Consultants List shall automatically become effective thirty (30) Days after notice is received by the other Party unless written objection is made by such other Party within said thirty (30) Day period. By mutual agreement between the Parties, a new name or names may be added to the Consultants List at any time.

5. Expedited Dispute Resolution.

If there is a disagreement between Company and Subscriber Organization regarding (i) whether a Disconnection Event occurred, (ii) the sequence of events and/or probable cause of the Disconnection Event, (iii) the Proposed Actions, (iv) the Company's Recommendations, and (v) the time period to implement the Proposed Actions and/or the Company's Recommendations, then authorized representatives from Company and Subscriber Organization, having full authority to settle the disagreement, shall meet in Hawai'i (or by telephone conference) and attempt in good faith to settle the disagreement. Unless otherwise agreed in writing by the Parties, the Parties shall devote no more than five (5) Business Days to settle the disagreement in good faith. In the event the Parties are unable to settle the disagreement after the expiration of the time period, then such disagreement shall constitute a Dispute for which either Party may pursue the dispute resolution procedure set forth in Section 28.2 (Dispute Resolution Procedures, Mediation) of this Agreement.

6. Modeling.

- (a) Subscriber Organization's Obligation to Provide Models. Within 30 Days of Company's written request, but no later than the Commercial Operations Date, Subscriber Organization shall provide detailed data regarding the design and location of the Facility, in a form reasonably satisfactory to Company, to allow the modeling of the inverters and any other equipment within the Facility identified in the IRS which utilizes Source Code (such as energy storage system, STATCOM or DVAR equipment), including, but not limited to, integrated and validated power flow and transient stability models

(such as PSS/E models), a short circuit model (such as an ASPEN model), and an electro-magnetic transient model (such as a PSCAD model) of the inverters and any additional equipment identified in the IRS as set forth above, applied assumptions, and pertinent data sets (each a "Required Model" and collectively, the "Required Models"). Thereafter, during the Term, Subscriber Organization shall provide working updates of any Required Model within 30 Days of (i) Company's written request, or (ii) Subscriber Organization obtaining knowledge or notice that any Required Model has been modified, updated or superseded by the Source Code Owner.

- (b) Escrow Establishment. If, pursuant to Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment B (Facility Owned by Subscriber Organization), the Required Models are provided to the Company in a form other than Source Code, Subscriber Organization shall arrange for and ensure that the Source Code for the relevant Required Model is deposited into the Source Code Escrow as set forth below in Section 6(b)(i) (Source Code Escrow) of this Attachment B (Facility Owned by Subscriber Organization) no later than the time periods set forth in Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment B (Facility Owned by Subscriber Organization) for delivery of the Required Models. Subscriber Organization shall be responsible for all costs associated with establishing and maintaining the Source Code Escrow. If, however, Subscriber Organization is unable to deposit the required Source Code into the Source Code Escrow within the time periods set forth in Section 6(a) (Subscriber Organization's Obligation to Provide Models), Subscriber Organization shall, no later than such time periods, instead establish a monetary escrow as set forth below in Section 6(b)(ii) (Monetary Escrow) of this Attachment B (Facility Owned by Subscriber Organization).

(i) Source Code Escrow.

(A) Establishment of Source Code Escrow. If the Required Models are not provided to the Company in the form of Source Code pursuant to Section 6(a) of this Attachment B (Facility Owned by Subscriber Organization), Subscriber Organization shall: (a) arrange for and ensure the

deposit of a copy of the current version of the Source Code and relevant documentation for all Required Models with the Source Code Escrow Agent under the terms and conditions of the Source Code Escrow Agreement, and (b) arrange for and ensure the update of the deposited Source Code and relevant documentation for Major Releases and Minor Releases of the Required Models as soon as reasonably possible after they are made generally available.

(B) Release Conditions. Company shall have the right to obtain from the Source Code Escrow Agent one copy of the escrowed Source Code for the Required Models, under the following conditions upon Company's request:

(i) A receiver, trustee, or similar officer is appointed, pursuant to federal, state or applicable foreign law, for the Source Code Owner;

(ii) Any voluntary or involuntary petition or proceeding is instituted, under (x) U.S. bankruptcy laws or (y) any other bankruptcy, insolvency or similar proceeding outside of the United States, by or against the Source Code Owner; or

(iii) Failure of the Source Code Owner to function as a going concern or operate in the ordinary course; or

(iv) Subscriber Organization and the Source Code Owner fail to provide to Company the Required Models or updated Required Models, or, alternatively, fail to issue a Source Code LC, within the time periods set forth in Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment B (Facility Owned by Subscriber Organization), Company gives written notice of such failure to Subscriber Organization and the Source Code Owner, and Subscriber Organization and Source Code Owner fail to remedy such breach within five (5) Days following receipt of such notice.

(C) Remedies. If Company has the right to obtain from the Source Code Escrow Agent one copy of the escrowed Source Code for the Required Models pursuant to Section 6(b)(i)(B) (Release Conditions) of Attachment B (Facility Owned by Subscriber Organization), and Company finds that Subscriber Organization failed to arrange for and ensure the update the Source Code Escrow with the modified and/or updated Source Code and relevant documentation for

Major Releases and Minor Releases of the Required Models as provided in Section 6(b)(i) (Establishment of Source Code Escrow) of Attachment B (Facility Owned by Subscriber Organization) or that the Source Code for the Required Models is incomplete or otherwise unusable, Subscriber Organization shall be liable to Company for liquidated damages in the amount of \$500 per Day for each Day Subscriber Organization fails to provide such Source Code to Company or such update to the Source Code to Company from the date such Major Release or Minor Release was first made available by the Source Code Owner to customers of the Source Code Owner. Failure to provide the updated Source Code of the Required Models within 30 Days' notice from Company of a breach of Section 6(b)(i)(A) (Establishment of Source Code Escrow) of Attachment B (Facility Owned by Subscriber Organization); provided, that Subscriber Organization has also failed to provide a satisfactory Source Code LC as set forth in Section 6(b)(ii) (Source Code Security) of this Attachment B (Facility Owned by Subscriber Organization) shall constitute an Event of Default pursuant to Section 15.2(f) under the Agreement.

(D) Certification. The Source Code Escrow Agent shall release the Source Code of the Required Models to Company upon receipt of a signed statement by a representative of Company that reads substantially as follows:

The undersigned hereby certifies that (i) I am duly authorized to execute this document on behalf of Maui Electric Company, Limited ("Maui Electric"), and (ii) Maui Electric is entitled to a copy of the Source Code of the Required Models Pursuant to Section 6(b)(i)(B) (Release Conditions) of Attachment B (Facility Owned by Subscriber Organization) of the Power Purchase Agreement dated as of \_\_\_\_\_, between \_\_\_\_\_, and Maui Electric.

(E) Authorized Use. If Company becomes entitled to a release of the Source Code of the Required Models from escrow, Company may thereafter correct, modify, update and enhance the Required Models for the sole purpose of providing itself the support and maintenance it otherwise would have been entitled to if it had been provided the Required Models by Subscriber Organization under Section 6(a)



(Subscriber Organization's Obligation to Provide Models) of this Attachment B (Facility Owned By Subscriber Organization) (the "Source Code Authorized Use").

(F) Confidentiality Obligations. Company shall keep the Source Code of the Required Models confidential pursuant to the confidentiality obligations of the Source Code Escrow Agreement. Company shall restrict access to the Source Code of the Required Models to those employees, independent contractors and consultants of Company who have agreed in writing to be bound by confidentiality and use obligations consistent with those specified in the Escrow Agreement, and who have a need to access the Source Code of the Required Models on behalf of Company to carry out their duties for the Source Code Authorized Use. Promptly upon Subscriber Organization's request, Company shall provide Subscriber Organization with the names and contact information of all individuals who have accessed the Source Code of the Required Models, and shall take all reasonable actions required to recover any such Source Code in the event of loss or misappropriation, or to otherwise prevent their unauthorized disclosure or use.

(ii) Source Code Security.

(A) Establishment of Source Code Security.

If the Required Models and their relevant Source Code are not provided to the Company in the form of Source Code pursuant to Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment B (Facility Owned by Subscriber Organization) and if the Subscriber Organization is unable to arrange for and ensure the deposit of the Source Code into the Source Code Escrow established for the benefit of the Company pursuant to Section 6(b)(i) (Source Code Escrow) of this Attachment B (Facility Owned by Subscriber Organization) then, no later than the time periods set forth in Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment B (Facility Owned by Subscriber Organization) for delivery of the Required Models and Source Code, Subscriber Organization shall provide an irrevocable standby letter of credit (the "Source Code LC") with no documentation requirement in the amount of Two Hundred Fifty Thousand Dollars (\$250,000) per Required Model (and its relevant Source Code) substantially in the form attached to this Agreement as Attachment M (Form of Letter of Credit) from a bank chartered in the United States with a credit rating of "A-" or better from Standard & Poor's or A3

or better from Moody's. Such letter of credit shall be issued for a minimum term of one (1) year. Furthermore, at the end of each year the security shall be renewed for an additional one (1) year term so that at the time of such renewal, the remaining term of any such security shall not be less than one (1) year. The letter of credit shall include a provision for at least thirty (30) Days' advance notice to Company of any expiration or earlier termination of the letter of credit so as to allow Company sufficient time to exercise its rights under said security if Subscriber Organization fails to extend or replace the security. In all cases, the reasonable costs and expenses of establishing, renewing, substituting, canceling, increasing, reducing, or otherwise administering the letter of credit shall be borne by Subscriber Organization.

(B) Release Conditions. Company shall have the right to draw on the letter of credit the funds necessary to develop and recreate the Required Model or Required Models upon Company's request if Subscriber Organization fails to provide the Company the Required Models or updated Required Models within the time periods set forth in Section 6(a) (Subscriber Organization's Obligation to Provide Models) or Section 6(b)(i)(C) (Remedies) of this Attachment B (Facility Owned by Subscriber Organization), Company gives written notice of such failure to Subscriber Organization, and Subscriber Organization fails to remedy such breach within five (5) Days following receipt of such notice for a breach under Section 6(a) (Subscriber Organization's Obligation to Provide Models, or within thirty (30) Days following receipt of such notice for a breach under Section 6(b)(i)(C) (Remedies).

(C) Extend Letter of Credit. If the letter of credit is not renewed or extended no later than thirty (30) Days prior to its expiration or earlier termination, Company shall have the right to draw immediately upon the full amount of the letter of credit and to place the proceeds of such draw (the "Proceeds"), at Subscriber Organization's cost, in an escrow account in accordance with Section 6(b)(ii)(D) (Proceeds Escrow), until and unless Subscriber Organization provides a substitute form of letter of credit meeting the requirements of this Section 6(b)(ii) (Source Code Security) of this Attachment B (Facility Owned by Subscriber Organization).

(D) Proceeds Escrow. If Company draws on the letter of credit pursuant to Section 6(b)(ii)(C) (Extend Letter of Credit) of this Attachment B (Facility Owned by Subscriber Organization), Company shall, in order to avoid comingling the Proceeds, have the right but not the obligation to place the Proceeds in an escrow account as provided in this Section 6(b)(ii)(D) (Proceeds Escrow) of this Attachment B (Facility Owned by Subscriber Organization) with a reputable escrow agent acceptable to Company ("Proceeds Escrow Agent") subject to an escrow agreement acceptable to Company ("Proceeds Escrow Agreement"). Without limitation to the generality of the foregoing, a federally-insured bank shall be deemed to be a "reputable escrow agent." Company shall have the right to apply the Proceeds as necessary to recover amounts Company is owed pursuant to this Section 6 (Modeling) of this Attachment B (Facility Owned by Subscriber Organization). To that end, the Proceeds Escrow Agreement governing such escrow account shall give Company the sole authority to draw from the account. Subscriber Organization shall not be a party to such Proceeds Escrow Agreement and shall have no rights to the Proceeds. Upon full satisfaction of Subscriber Organization's obligations under Section 6 (Modeling) of this Attachment B (Facility Owned by Subscriber Organization), Company shall instruct the Proceeds Escrow Agent to remit to the bank that issued the letter of credit that was the source of the Proceeds the remaining balance (if any) of the Proceeds. If there is more than one escrow account with Proceeds, Company may, in its sole discretion, draw on such accounts in any sequence Company may select. Any failure to draw upon the Proceeds for any damages or other amounts due Company shall not prejudice Company's rights to recover such damages or amounts in any other manner.

(E) Subscriber Organization's Obligation. If the letter of credit is not sufficient to cover Company's associated consultant fees, costs and expenses to develop and recreate the Required Models, Subscriber Organization shall pay to Company the difference within ten (10) Days of Company's written notice to Subscriber Organization.

(F) Model Verification. Subscriber Organization shall work with the Company to validate the new Required Models developed by or on behalf of Company within sixty (60) Days of receiving such new Required Models. Subscriber Organization shall also arrange for and ensure

that Company may obtain new Required Models directly from the Source Code Owner in the event that Subscriber Organization ceases to operate as a going concern or is subject to voluntary or involuntary bankruptcy and is unable or unwilling to obtain the new Required Models from the Source Code Owner.

(G) Certification. The terms of the letter of credit shall provide for a release of the funds, or in the event the funds have been placed into a Proceeds Escrow, the Proceeds Escrow Agent shall release the necessary funds to Company upon receipt of a signed statement by a representative of Company that reads substantially as follows:

The undersigned hereby certifies that (i) I am duly authorized to execute this document on behalf of Maui Electric Company, Limited ("Maui Electric"), and (ii) Maui Electric is entitled to \$ \_\_\_\_\_, pursuant to Section 6(b)(ii)(B) (Release Conditions) of Attachment B (Facility Owned by Subscriber Organization) of the Power Purchase Agreement dated as of \_\_\_\_\_, between \_\_\_\_\_, and Maui Electric.

(H) Authorized Use. If Company becomes entitled to a draw of funds from the Source Code Security or a release of funds from the Proceeds Escrow, Company may thereafter use such funds to develop, recreate, correct, modify, update and enhance the Required Models for the sole purpose of providing itself the support and maintenance it otherwise would have been entitled to if it had been provided the Required Models by Subscriber Organization under Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment B (Facility Owned by Subscriber Organization).

(iii) Supplementary Agreement. The parties stipulate and agree that the escrow provisions in this Section 6(b) (Escrow Establishment) of Attachment B (Facility Owned by Subscriber Organization) and the Source Code Escrow Agreement and Proceeds Escrow Agreement are "supplementary agreements" as contemplated in Section 365(n)(1)(B) of the Code. In any voluntary or involuntary bankruptcy proceeding involving Subscriber Organization, failure by Company to assert its rights to "retain

its rights" to the intellectual property encompassed by the Source Code or the funds in the Proceeds Escrow, pursuant to Section 365(n)(1)(B) of the Code, under an executory contract rejected in a bankruptcy proceeding, shall not be construed as an election to terminate the contract by Company under Section 365(n)(1)(A) of the Code.

7. Testing Requirements.

- (a) Testing Requirements. Once the Control System Acceptance Test has been successfully passed, Subscriber Organization shall not replace and/or change the configuration of the Facility Control, inverter control settings and/or ancillary device controls, without prior written notice to Company. In the event of any such replacement and/or change, the relevant test(s) of the Control System Acceptance Test shall be redone and must be successfully passed before the replacement or altered equipment is allowed to be placed in normal operations. In the event that Company reasonably determines that such replacement and/or change of controls makes it inadvisable for the Facility to continue in normal operations without a further Control Systems Acceptance Test, the Facility shall be deemed to be in Subscriber Organization-Attributable Non-Generation status until the new relevant tests of the Control System Acceptance Test have been successfully passed.
- (b) Periodic Testing. Subscriber Organization shall coordinate periodic testing of the Facility with Company to ensure that the Facility is meeting the performance standards specified under this Agreement.

8. Data and Forecasting.

Subscriber Organization shall provide Site, meteorological and production data in accordance with the terms of Article 6 (Forecasting) of this Agreement and the following requirements:

- (i) Physical Site Data: Subscriber Organization shall provide Company with an accurate description of the physical Site, including but not limited to the following, **[as appropriate to Facility resource type(s) and use of storage]** which may not be changed during the Term without Company's prior written consent:

- A. Location Facility Map showing the layout of the Facility (coverage area or footprint) and the coordinates (latitude and longitude) of generating equipment:

Solar PV: elevation (above ground), orientation angle and direction (north-east-south-west plane) of arrays/concentrators.

Wind Generators: coordinates (latitude and longitude) and height above ground of each wind turbine hub.

- B. Location (latitude and longitude) and elevation (above ground) of each MMT/MMS and elevation (above ground) of each field measurement device for, e.g., air density, ambient air pressure and ambient air temperature, located at each MMT or each field measurement device located on such MMS.
- C. For solar resource inverters: Inverter type, power rating, array configuration to inverters and DC rating of the Facility at the following standard test conditions: irradiance of 1000 W/m<sup>2</sup>, air mass 1.5, and cell temperature 25° C.
- D. Solar generation technology employed at the Facility with temperature dependence, mounting and module type.
- E. Wind generation technology employed at the Facility with representative power curve(s).
- F. BESS technology and related auxiliary equipment, location and type.

(ii) Meteorological and Production Data:

- A. Subscriber Organization shall install and maintain a minimum of two MMS for facilities that have either (i) a DC rating of the Facility of 5 MW or greater or (ii) a coverage area greater than one square kilometer.
- B. Placement of each MMS should account for the microclimate of the area and Facility coverage

area and shall be oriented with respect to the primary wind direction.

- C. Subscriber Organization shall provide to Company, via SCADA communication and protocol acceptable to Company to support operations and forecasting needs at a continuous scan, all meteorological and production data required under this Agreement updated every 2 seconds.
- D. Subscriber Organization shall arrange for a dedicated distribution voltage line to provide separate service from Company, or for such other independent, backup power source as approved by Company in writing, to temporarily store and record the meteorological data from the field measuring devices at the MMSs. Any such backup power source must be capable of providing power for the field measurement devices for a reasonable period of time until primary power is restored. The same backup power source can serve multiple MMSs as needed by the Facility.

(iii) Units and Accuracy:

- A. [For PV] The Table below shows minimum required solar irradiance measurements for various types of solar generation technology. **[DRAFTING NOTE: VALUES NEED TO BE INSERTED INTO TABLE.]** This value may not be derived.

Solar Technology	Direct Normal Irradiance	Global Irradiance (GHI)	Plane of Array Irradiance (POA)
Flat Plate (fixed horizontal, fixed angle, tracking, roof mounted)		X	X

- B. Units and accuracy of measured parameters to be provided to Company in real time shall be as shown in the Table below. These represent the minimum required accuracies.





**Table of Units and Accuracy of  
Meteorological and Production Data (PV)**

Parameter	Data Source	Unit	Range	Accuracy
Global Horizontal Irradiance at MMS	Pyranometer or equivalent	W/m <sup>2</sup>	0 to 1500 W/m <sup>2</sup>	Secondary standard per ISO 9060 or ≤ 3% from 100 W/m <sup>2</sup> to 1500 W/m <sup>2</sup> if using a PV Reference Cell
Plane of Array Irradiance on same axis as array	Pyranometer or equivalent	W/m <sup>2</sup>	0 to 1500 W/m <sup>2</sup>	Secondary standard per ISO 9060 or ≤ 3% from 100 W/m <sup>2</sup> to 1500 W/m <sup>2</sup> if using a PV Reference Cell
Back of Panel temperature at array height	Temperature probe	°C	-20 to +50 °C	+/-1 °C
Power production of Facility	Measured at POI	MW	Up to Capacity	+/-0.1 MW
Inverters Available*	Subscriber Organization's system	digital	Up to the number of installed inverters	
	Ratio of inverters online/number of inverters	%	0 to 100%	
Power Possible*	Subscriber Organization's Model	MW	0 to Allowed Capacity	+/-0.1 MW

**Table of Units and Accuracy of  
Meteorological and Production Data (Wind)**

Parameter	Data Source	Unit	Range	Accuracy
Wind speed at MMT (hub height)	Cup or sonic anemometer	Mph	0 to 134 mph	+/-1 mph
Wind direction at MMT (hub height)	Vane, sonic device or equivalent	Degrees (from True North)	360°	+/-5°
Ambient air temperature at MMT (hub height)	Temperature probe	°C	-20 to +50 °C	+/-1 °C
Ambient air pressure at MMT (hub height)	Piezoresistive transducer, barometer or equivalent	Mbar	150 to 1150 mbar	+/-60 mbar (0 to +50°C)
Power production of Facility	Measured at POI	MW		+/- 0.1 MW
Power Possible	Subscriber Organization's Model	MW	0 to 120% of Allowed Capacity	+/- 0.1 MW

(iv) Status of Generating Equipment:

For each inverter, or wind turbine, Subscriber Organization shall provide to Company, via SCADA communication and protocol acceptable to Company at a continuous scan updated not less frequently than every 2 seconds, a signal as to whether such inverter is available or unavailable, and on or offline.

(v) Data Collection.

**[NOTE COMPANY TO UPDATE REQUIREMENTS; WILL BE SPECIFIC TO FACILITY EQUIPMENT AND RESOURCE TYPE]**

High Resolution Data: Subscriber Organization shall install and make available to the Company time stamped and sequential data recordings for all inverter-based resources (and all generating resources) to perform event analysis and verify Facility performance during steady state and transient disturbance events. This will include a time-synchronized phasor measurement unit at the Facility, and access to multiple sources to provide sufficient clarity as to any abnormal response or behavior within the Facility, including Facility control settings and static values, SCADA data, sequence of events recording (SER) data, dynamic disturbance recorder (DDR) data, and inverter fault codes and inverter-level dynamic recordings. This data will be used to review the Facility response to system dynamics, such as the frequency response (normal droop and FFR), reactive response, etc.

Plant Data: **[Note: specific requirements below are representative of variable energy resources and will be tailored to the Facility resource type(s) and geographic arrangement]**

Subscriber Organization shall install at least three (3) meteorological tower(s), spaced so as to provide the data points set forth below for the entire Facility. At least two months prior to the Commercial Operation Date, Subscriber Organization shall deliver to Company a report showing (i) manufacturer, model and year of all energy equipment (panels, inverters, energy storage devices, turbine generators), and meteorological instrumentation, and (ii) the latitude and longitude of the center of the energy equipment (i.e., solar panels for every inverter, wind turbines) and every meteorological tower. Beginning upon COD, Subscriber Organization shall transmit and provide to Company the real-time data set forth below, refreshed as frequently as allowed

by the SCADA system, not to exceed sixty (60) second intervals:

- Three (3) data points from each inverter or wind turbine:
  - Inverter/turbine generation (MW)
  - Inverter/turbine availability
  - Inverter/turbine on/offline status
- Two (2) data points from each meteorological tower (solar resources):
  - Global horizontal solar irradiance (instantaneous solar intensity, full sky)
  - Plane of array solar irradiance (instantaneous solar intensity at the current angle of the PV array)
- Five data points from each Meteorological Tower (wind resources):
  - Wind Speed \*\* (mps)
  - Wind Direction\*\* (degrees relative to true north)
  - Temperature (Celsius)
  - Pressure (mb)
  - Air Density (kg/m<sup>3</sup>)

In addition to the other requirements for data collection, if required by Company, a Facility with wind turbines shall install, maintain and operate at least one meteorological tower that is installed at hub height and is placed upstream of the prevailing wind path to provide meteorological data through a means agreed by the Company. The data stream from this meteorological tower to the Company's System must be reliable and include battery back-up at the meteorological tower and a local source of electricity to power the data collection and communication from the Facility to Company during transmission outages.

Subscriber Organization shall provide a map and key for each inverter or wind turbine sufficient to allow Company to correlate the data received

through Company's data historian system to each individual resource.

9. Technology Specific Requirements.

(a) [RESERVED]

(b) [RESERVED]

(c) Inverter Systems.

(i) Direct current generators and non-power (i.e., other than 60 Hertz) alternating current generators can only be installed in parallel with the Company System using a non-islanding synchronous inverter unless alternate designs are approved by the Company. The design shall comply with the requirements of IEEE Std 1547-2003 (or latest version), except as described in Section 3 (Performance Standards) of this Attachment B (Facility Owned by Subscriber Organization).

(ii) Self-commutated inverters of the Company-interactive type shall synchronize to the Company System. Line-commutated, thyristor-based inverters are not recommended and will require additional technical study to determine harmonic and reactive power requirements. All interconnected inverter systems shall comply with the harmonic current limits of IEEE Std 519-1992 (or latest version).

(d) Battery Energy Storage System. The operating parameters of the BESS for facilities with paired storage shall be as follows:

(i) For facilities with variable energy and paired storage: The BESS shall directly charge storage from the variable resource when the Company Active Power Dispatch is for less than the available resource energy.

(ii) No more than [ ]% of the BESS energy capacity can be charged from the grid prior to the fifth (5th) anniversary of the Commercial Operations Date. Thereafter, 100% of the BESS energy capacity can be charged from the grid. **[DRAFTING NOTE: 5-YEAR LIMITATION ON GRID CHARGING WILL BE**

**DELETED IF ITC RECAPTURE IS NOT APPLICABLE TO THE BESS.]**

- (iii) The BESS will not be required to discharge more energy than available relative to the available state of charge.
- (iv) For storage used primarily for energy shifting, the BESS shall be designed for an average annual use of 365 cycle(s) (a cycle is a discharge equal to the portion of the BESS Contract Capacity allocated for energy shifting, and sufficient charging to return the BESS to 100% State of Charge)
- (v) For contingency storage, the BESS storage technology shall be procured based on required charging/discharging duty for the provision of disturbance frequency response. This response will require fast response outside of a specified frequency deadband (setable between 0.1 and 0.5 Hz), in accordance with specified droop and time parameters. **(Historical frequency data for 2 second data resolution samples will be provided to bidders.) (Assumptions and associated restrictions on charging/discharging duty to be supplied by bidders).**

10. Operating Committee and Operating Procedures.

Company and Subscriber Organization shall each appoint one representative and one alternate representative to act as the operating committee in matters relating to the Parties' performance obligations under this Agreement and to develop operating arrangements for the generation, delivery and receipt of renewable energy from the Facility.

The operating committee may develop mutually agreeable written operating procedures consistent with the requirements of this Agreement, to address matters such as day-to-day communications; key personnel; operations-center interface; metering, telemetering, telecommunications, and data acquisition procedures; operations and maintenance scheduling and reporting; reports; operations log; testing procedures; and such other matters as may be mutually agreed upon by the operating committee.

The operating committee shall review the requirements for Active Power Control, the data collection and telemetry, and control system parameters from time to time after the date hereof and may agree on modifications thereto to the extent necessary or convenient for operation of the Facility in accordance with this Agreement.

The operating committee shall have authority to act in all technical and day-to-day operational matters relating to performance of this Agreement and to attempt to resolve potential disputes, provided, however, that except as explicitly provided herein, the operating committee shall have no authority to amend or waive any provision of this Agreement.

EXHIBIT B-1  
MODELING REQUIREMENTS

1. Steady State and Dynamic Model Requirements and As-built Data to be provided by Subscriber Organization. The expected steady state power flow and dynamic models will be provided by the Subscriber Organization during the interconnection study process in the format compatible with the analytical tools used by Company. Depending upon Facility design, different representations may be required for steady state and dynamic simulations. Subscriber Organization will work with Company to derive a complex equivalent model if it is required to meet interconnection study needs. The as-built data and models will be provided by Subscriber Organization immediately upon commissioning with sufficient information to demonstrate that the as-built parameters match the model. Any changes to plant settings that affect its response and impact to the Company System are required to be studied prior to those changes taking effect. The modeling will include all necessary control settings such that the correct capabilities, flags, and settings can be represented in a base case. Where such parameters are settable according to this Agreement, the initial models will be configured with parameters mutually agreed with Company for the interconnection study analysis. This includes, but is not limited to:
  - Plant Type: A description of the resource type (e.g., storage, solar PV or wind power resource) used as a flag to ensure that the inverter-based resource is accurately represented in the base case, where applicable.
  - Active and Reactive Capability: The overall plant "composite capability curve" shall be provided by Subscriber Organization for performance purposes. That same curve will be used for accurately modeling the P-Q capability in power flow studies.
  - Plant-Level Voltage Control Settings: Information on the plant voltage control mode to ensure correct voltage control flags and set points are set accordingly in the software tools.
  - The voltage control set point at the POI is provided by the Company. Subscriber Organization shall provide a description of the coordination of any plant-level shunt



compensation (static or dynamic) to ensure it can be accurately represented in the power flow base case.

The models provided by Subscriber Organization should accurately reflect the contractual requirements established under this Agreement.

2. Positive Sequence Stability Modeling. Subscriber Organization shall provide a positive sequence stability model representation which provides sufficient detailed modeling for necessary reliability studies, as specified by Company. **[Note - language to be revised based on proposed Facility.]** For example, the following are typical requirements for plants with inverter equipment:
  - Inverter-Level Controller Model: This represents the overall control of the inverter as an energy or generating resource.
  - Electrical Control Model: This represents the detailed electrical controls of the resource, including large disturbance behavior.
  - Plant-Level Controller Model: This represents control of multiple individual inverters and/or generators within the plant
3. Short Circuit Modeling. Subscriber Organization will provide appropriate and accurate models to Company to support short circuit studies. **[Company to specify requirements based on specific Facility]**
4. Electromagnetic Transient Modeling. Company will require an electromagnetic transient ("EMT") model for the Facility. Subscriber Organization shall provide Company with an EMT model for the IRS and an updated EMT model after the Facility has been commissioned. These models are in addition to the positive sequence stability models required for interconnection-wide modeling purposes. In addition, Subscriber Organization shall provide Company with evidence that the expected (and commissioned) EMT model reasonably matches the positive sequence dynamic models provided. This should include a benchmarking report provided by the inverter OEM.

EXHIBIT B-2  
GENERATOR AND ENERGY STORAGE CAPABILITY CURVE(S)

**[ATTACHMENT C WILL BE REVISED TO REFLECT  
THE RESULTS OF IRS]**

ATTACHMENT C  
METHODS AND FORMULAS FOR MEASURING PERFORMANCE STANDARDS

1. Performance Standards as defined below shall be used, in part, to govern actions by Company to limit the Actual Output of the Facility for purposes of maintaining power quality on Company System. Specific standards are defined for:
  - Ramp Rate (RR)
2. Formulas for measuring the performance standards are presented below, and assume that the power fluctuations will be monitored on the Company's SCADA and EMS systems. These formulas are based on the periodicity at which analog data is retrieved from Telemetry and Control. This periodicity is called the "scan rate". Company presently uses a two-second analog scan rate. The formulas below are based on the two-second scans. The two-second scan rate, characteristics of transducers and Telemetry and Control reporting, and SCADA method of calculation, were considered and included in the proposed values for the performance standards.
3. Ramp Rate Calculation:

$$RR = MW_s - MW_{s-30}$$

Where:

$RR$  = Ramp Rate, may be calculated once every scan

$MW_{s-30}$  = The instantaneous MW analog value 30 scans (60 seconds) prior the present scan

$MW_s$  = The instantaneous MW analog value for the present scan

4. All changes in output shall be implemented as a ramp rate, and not with one or two step changes within the period. It is not acceptable, for example, for a two MW/minute ramp rate compliance, that all values be zero except for a 2 MW change in the last scan value.

ATTACHMENT D  
CONSULTANTS LIST

ATTACHMENT E  
SINGLE-LINE DRAWING AND INTERFACE BLOCK DIAGRAM

(To be attached as per Section 1(a) of Attachment B)

ATTACHMENT F  
RELAY LIST AND TRIP SCHEME

(To be attached as per Section 1(a) of Attachment B.)

**[ATTACHMENT G SHALL BE REVISED TO REFLECT  
THE RESULTS OF IRS]**

ATTACHMENT G  
COMPANY-OWNED INTERCONNECTION FACILITIES

1. Description of Company-Owned Interconnection Facilities.
  - (a) General. Company shall furnish or construct (or may have Subscriber Organization furnish or construct, in whole or in part), own, operate and maintain all Interconnection Facilities required to interconnect Company System with Facility at [REDACTED] volts, up to the Point of Interconnection (collectively, the "Company-Owned Interconnection Facilities").
  - (b) Site. Where any Company-Owned Interconnection Facilities are to be located on the Site, Subscriber Organization shall provide, at no expense to Company, a location and access acceptable to Company for all such Company-Owned Interconnection Facilities, as well as an easement, license or right of entry to access such Company-Owned Interconnection Facilities. If power sources (120/240VAC) are required, Subscriber Organization shall provide such sources, at no expense to Company.
  - (c) IRS. An IRS addressing Facility requirements was completed for the Project in accordance with the IRS Letter Agreements, and the results have been incorporated in Attachment B (Facility Owned by Subscriber Organization) and this Attachment G (Company-Owned Interconnection Facilities) as appropriate.
  - (d) Subscriber Organization's Payment Obligations. Company-Owned Interconnection Facilities, for which Subscriber Organization has agreed to pay, whether designed, engineered and constructed by Subscriber Organization or Company, include **[ADD LIST OF COMPANY-OWNED INTERCONNECTION FACILITIES THAT ARE REQUIRED PURSUANT TO THE RESULTS OF THE IRS. THE FOLLOWING IS AN EXAMPLE OF THE TYPES OF FACILITIES THAT COULD BE LISTED]**:
    - (i) **[Line extension]**;
    - (ii) A manually operated, lockable, group operated switch located on a pole prior to the Facility

switching station. Company will install a \_\_\_\_ kV drop into Subscriber Organization-provided deadend structure.

- (iii) Substation additions and/or modifications of Company's existing structures as necessary. This would include but not be limited to protective relaying and setting changes;
  - (iv) Supervisory control and communications equipment (including but not limited to, SCADA/Telemetry and Control, microwave, satellite, dedicated phone line(s) and/or any other acceptable communications means (determined by Company), fiber optics, copper cabling, installation of batteries and charger system, etc.);
  - (v) Revenue Metering Package as provided in Section 10.1 (Meters) of the Agreement;
  - (vi) Any additional Interconnection Facilities needed to be installed as a result of final determination of Facility switching station site, final design of Facility to enable Company to complete the Interconnection Facilities and be compatible with Good Engineering and Operating Practices.
  - (vii) If equipment that is not standard to Company is utilized, Subscriber Organization shall, at the discretion of Company, provide adequate spares.
- (e) Revisions to Costs. The list of Company-Owned Interconnection Facilities, and engineering and testing costs for Company-Owned Interconnection Facilities, for which Subscriber Organization agrees to pay in accordance with this Attachment G (Company-Owned Interconnection Facilities), are subject to revision if (i) before approving this Agreement, the PUC approves a power purchase agreement for another non-Company owned electric generating facility ("Second NUG Contract") to supply electric energy to Company using the same line to which Facility is to be connected or (ii) the line to which Facility is to be connected and/or the related transformer(s) need(s) to be upgraded and/or replaced as a result of this Agreement and a Second NUG Contract, and the PUC, in approving this Agreement, determines that Subscriber Organization should pay for all or part of the cost of such upgrade and/or replacement.



- (f) Review of the Listing and Costs. If the Commercial Operations Date is not achieved by the Guaranteed Commercial Operations Date, as such date may be extended as provided in Section 13.3 (Guaranteed Project and Reporting Milestone Dates), the listing of the Company-Owned Interconnection Facilities required in this Agreement and the cost-estimates for such Company-Owned Interconnection Facilities are subject to review and revision. Such revision may include, but not be limited to, such items as reconductoring an existing transmission or distribution line, construction of a new line, increase transformer capacity, and alternative relay specifications. In addition, such review and revision may require that the Company re-perform or update the IRS at the Subscriber Organization's expense.
- (g) Responsibility of Subscriber Organization and Company. The general responsibilities of Subscriber Organization and Company for the design, procurement, installation, programming/testing, and maintenance/ownership of equipment at the Facility and the Company-Owned Interconnection Facilities is specified in Matrix G-1 (Substation Responsibilities) and Matrix G-2 (Telecom Responsibilities). **[DRAFTING NOTE: MATRIXES WILL BE**
2. Construction and Support Services By Subscriber Organization.
- (a) Construction and Support Services By Subscriber Organization.
- (i) Subscriber Organization (and/or its Third Party consultants or contractors (collectively, "Contractors")) will design, engineer, construct, test and place in service, at Subscriber Organization's expense:
- A. The items identified in Matrix G-1 (Substation Responsibilities) and Matrix G-2 (Telecom Responsibilities) as being the responsibility of Subscriber Organization to construct; and
- B. **[ANY OTHER COMPANY-OWNED INTERCONNECTION FACILITIES TO BE CONSTRUCTED BY SUBSCRIBER ORGANIZATION]. [NOTE: SUBPARTS "A" AND "B"**

**BETWEEN THEM SHOULD GENERALLY INCLUDE A SUBSET  
OF THE LIST IN SECTION 1(d) ABOVE]**

All design, engineering and construction performed by Subscriber Organization (and/or its Contractors) shall, without limitation, satisfy the wind load and seismic load requirements of the International Building Code and any more stringent requirements imposed under applicable Laws.

(ii) Subscriber Organization shall provide the necessary support for the Company's [REDACTED] kV overhead line extension work, which may include, but not limited to:

- A. Furnish surveyed topographical drawing including contour lines of project areas and beyond as needed in State Plane coordinates with overlay of the Facility and Company pole line route(s) indicating pole locations and anchors in CADD format acceptable to Company.
- B. Staking of Company proposed poles and anchors by surveyor.
- C. Graded access roads including gravel if required by Company to provide sufficient vehicle access to Company poles and anchors by Company trucks and cranes.
- D. Graded level pads to provide vehicle working areas around all Company poles and anchors.
- E. Grading of the areas beneath the Company's overhead lines as needed to provide required ground clearance.
- F. Grubbing and clearing of vegetation within Company's easement area or as required.

(b) Coordination of Construction. Prior to Subscriber Organization engaging the Contractors, Subscriber Organization shall obtain Company's written approval, which approval shall not be unreasonably withheld. Prior to Subscriber Organization and/or its Contractors first starting to work on the construction plans for Company-Owned Interconnection Facilities to be constructed by Subscriber Organization (and/or its Contractors), such

as the civil, structural, and construction drawings, specifications to vendors, vendor approved final drawings and materials lists (collectively, the "Plans"), Subscriber Organization and/or its Contractors shall meet with Company to discuss the construction of such Company-Owned Interconnection Facilities, including but not limited to subjects concerning coordination of construction milestone dates, agreement on areas of interface design, and Company's design/drawing layout and symbols standards, equipment specifications and construction specifications and standards. Company will provide the equipment specifications and construction specifications and standards information so Subscriber Organization can incorporate such information in its bid documents.

- (c) Plans. Subscriber Organization shall provide Company its complete Plans at 30%, 60% and 90% completion. No later than sixty (60) Days before Subscriber Organization and/or its Contractors first start to order materials and equipment for Company-Owned Interconnection Facilities to be constructed by Subscriber Organization and/or its Contractors, Subscriber Organization shall provide Company with the final Plans. The Plans for Company-Owned Interconnection Facilities to be constructed by Subscriber Organization (and/or its Contractors) shall comply with (i) all applicable Laws; (ii) Company's design/drawing layout and symbol standards, equipment specifications, and construction specifications and standards; and (iii) Good Engineering and Operating Practices (collectively, the "Standards"). Subscriber Organization shall submit design drawings in MicroStation format per Company standards.
- (d) Company's Review of the Plans. Unless otherwise agreed to by the Parties, Company shall have thirty (30) Days following receipt of the complete Plans at each stage (30%, 60%, 90% and final) for it to review and comment on the Plans, and verify in writing to Subscriber Organization that the Plans comply with the Standards, which verification shall not be unreasonably withheld. If Company reasonably determines that the Plans are not in accordance with the Standards, then it may request in writing a response from Subscriber Organization to its comments and Subscriber Organization shall respond in writing within thirty (30) Days of such request by

providing (i) its justification for why its Plans conform to the Standards or (ii) changes in the Plans responsive to Company's comments and in accordance with the Standards.

(e) Company Inspection. Construction work will be subject to Company inspections to ensure that construction is done in accordance with the Standards. Company inspectors will be allowed access to the construction sites for inspections and to monitor construction work. The inspector shall have the authority to work with the appropriate construction supervisor to stop any work that does not meet the Standards. All equipment and materials used in Company-Owned Interconnection Facilities to be constructed by Subscriber Organization and/or its Contractors shall meet the Standards.

(f) Acceptance Test Procedures.

(i) Subscriber Organization acknowledges that: (aa) Company has multiple on-going projects with other developers as well as its own capital improvement projects; (bb) Company has limited resources to provide engineering oversight (such as review of plans) to such projects and to participate in the testing of such projects; (cc) in order for Company to accommodate such oversight and testing, it is necessary for Company to sequentially allocate its resources for each project a year or more in advance; (dd) the result is a queue of such projects that reflects the scheduling commitments of Company's resources to conduct such oversight and to participate in such testing; (ee) if a project is behind the schedule on which Company's resources have been scheduled for the oversight of such project, or if a project is not ready for testing at the time Company's resources have been scheduled for the testing of such project, or if a project does not complete testing within the period for which Company's resources have been scheduled for such testing, the progress of projects later in the queue may be adversely affected; (ff) the Test Ready Deadline that is set forth in Attachment K-1 (Subscriber Organization's Conditions Precedent and Company Milestones) reflects the scheduling commitment of Company's resources to (i) conduct the oversight necessary to facilitate Subscriber

Organization's achievement of that Test Ready Deadline, (ii) commence the Acceptance Test on the Acceptance Testing Milestone Date that is set forth in Attachment K-1 (Subscriber Organization's Conditions Precedent and Company Milestones) and (iii) thereafter participate in the Control System Acceptance Test; and (gg) the Project will lose its place in the queue and will be assigned a new Acceptance Testing Milestone Date for commencement of the Acceptance Test that will be behind the other projects then in the queue if (i) the Subscriber Organization fails to satisfy any of the conditions precedent set forth in Section 2(f)(ii) of this Attachment G (Company-Owned Interconnection Facilities) within the time period specified therein for the task in question or, if no time period is specified therein, by the Test Ready Deadline, (ii) the Subscriber Organization fails to satisfy any of the Subscriber Organization's Conditions Precedent set forth in Attachment K-1 (Subscriber Organization's Conditions Precedent and Company Milestones) and/or (iii) the Acceptance Test and the Control System Acceptance Test are not satisfactorily completed within the time allotted to complete such testing.

(ii) The Conduct of the Acceptance Test is subject to the satisfaction of the following conditions precedent within the time period specified below for the task in question or, if no time period is specified, by the Test Ready Deadline that is set forth in Attachment K-1 (Subscriber Organization's Conditions Precedent and Company Milestones):

- Final Single-Line Drawing, and notes, has received Company's written consent pursuant to Section 1(a)(i) (Single-Line Drawing, Interface Block Diagram, Relay List, Relay Settings and Trip Scheme) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.
- Final Relay List and Trip Scheme have received Company's written consent pursuant to Section 1(a)(i) (Single-Line Drawing, Interface Block Diagram, Relay List, Relay Settings and Trip Scheme) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.

- Final Interface Block Diagram has received Company consent pursuant to Section 1(a)(i) (Single-Line Drawing, Interface Block Diagram, Relay List, Relay Settings and Trip Scheme) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.
- Final Control System Telemetry and Control List has received Company consent.
- Final phasor measurement unit (PMU) devices, if applicable, have received Company consent.
- Control system design and tunable parameters reviewed and mutually agreed upon as needed to meet the Company requirements in accordance with Attachment B (Facility Owned by Subscriber Organization) Performance Standards.
- Agreement on Active Power Control Interface.
- No later than 14 Days prior to commencement of the Acceptance Test:
  - Subscriber Organization shall have certified to Company that Subscriber Organization-Owned Interconnection Facilities have been installed and commissioned and such certification has not, prior to the commencement of the Acceptance Test, been subsequently challenged by Company on the basis of on-site observations made by the Company's representatives following the walk-through to be conducted pursuant to Section 2(f)(iii) of this Attachment G (Company-Owned Interconnection Facilities).
  - Subscriber Organization shall have certified to Company that any Company-Owned Interconnection Facilities built by Subscriber Organization (and/or its Contractors) have been installed and commissioned and such certification has not, prior to the commencement of the Acceptance Test, been subsequently challenged by Company on the basis of on-site observations made by the Company's representatives following the walk-through to be conducted pursuant to Section 2(f)(iii) of this Attachment G (Company-Owned Interconnection Facilities).

- Any Company-Owned Interconnection Facilities not built by or on behalf of Subscriber Organization have been installed and commissioned.
  - No later than 7 Days prior to the commencement of the Acceptance Test, Subscriber Organization and Company shall have participated in walk-through of fully constructed Interconnection Facilities.
  - Redlined as-built drawings of the Subscriber Organization-Owned Interconnection Facilities and any of the Company-Owned Interconnection Facilities built by Subscriber Organization (and/or its Contractors) shall have been provided to Company.
  - Continuous power is being supplied to Company's protection and SCADA equipment.
  - Not less than four (4) weeks prior to the commencement of the Acceptance Test, the high speed communication lines required under this Agreement have been commissioned and are ready for use.
  - Not less than two (2) weeks prior to the commencement of the Acceptance Test, Subscriber Organization and Company have participated in an on-Site Acceptance Test coordination meeting.
- (iii) Subscriber Organization shall provide Company with at least fourteen (14) Days advance written notice of the commencement of the Acceptance Test. The Acceptance Test will be conducted on Business Days during normal business hours and may take a minimum of 30 Days to complete. No electric energy will be delivered from Subscriber Organization to Company during the Acceptance Test. No later than thirty (30) Days prior to conducting the Acceptance Test, Company and Subscriber Organization shall agree on a written protocol setting out the detailed procedure and criteria for passing the Acceptance Test. Attachment N (Acceptance Test General Criteria) provides general criteria to be included in the written protocol for the Acceptance Test. At the time that Subscriber Organization provides its 14-Day notice of the Acceptance Test to Company, Subscriber Organization shall concurrently schedule a site walk-through of the

Facility with Company to occur no later than seven (7) Days prior to the Acceptance Test. Subscriber Organization's 14-Day notice to Company of the Acceptance Test shall constitute its certification that (i) the completion of the installation and commissioning of the Subscriber Organization-Owned Interconnection Facilities and the Company-Owned Interconnection Facilities built by Subscriber Organization (and/or its Contractors) and (ii) a walk-through by Company shall demonstrate, to Company's reasonable satisfaction, Subscriber Organization's readiness to commence with the Acceptance Test. If, after the site walk-through, Company representatives reasonably determine that Subscriber Organization is not ready to commence with the Acceptance Test, the Project will lose its place in the queue and will be assigned a new Test Ready Deadline and a new Acceptance Testing Milestone Date that will be behind the other projects then in the queue. In the meantime, Subscriber Organization shall remediate the deficiencies identified by Company, and the process described in this Section 1(f) (Acceptance Test Procedures) of Attachment G (Company-Owned Interconnection Facilities), shall commence again until Subscriber Organization's readiness for the Acceptance Test is demonstrated to Company's reasonable satisfaction. Successful completion of the Acceptance Test requires successful completion of each of the individual tests that comprise the Acceptance Test. Retesting of any individual test constitutes as restart of the Acceptance Test if such retesting is required because of a prior failure of such individual test or because of a prior test could not be completed because of a problem with the Facility. Within fifteen (15) Business Days of completion of the Acceptance Test and Company's receipt of the final report setting forth the results of the Acceptance Test, Company shall notify Subscriber Organization in writing whether the Acceptance Test has been passed and, if so, the date upon which the Acceptance Test was passed.

- (iv) Company will be present when the Acceptance Test is conducted, and Subscriber Organization shall promptly correct any deficiencies identified during



the Acceptance Test. Subscriber Organization will be responsible for the cost of Company personnel (and/or Company contractors) performing the duties (such as reviewing the Plans and reviewing the construction) necessary for Company-Owned Interconnection Facilities to be constructed by Subscriber Organization (and/or its Contractors). If Company (i) does not make any inspection or test, (ii) does not discover defective workmanship, materials or equipment, or (iii) accepts Company-Owned Interconnection Facilities (that were constructed by Subscriber Organization and or its Contractors), such action or inaction shall not relieve Subscriber Organization from its obligation to do and complete the work in accordance with the Plans approved by Company.

- (g) As-Built Drawings. Within thirty (30) Days of the successful completion of the Acceptance Test, Subscriber Organization shall provide for Company review a set of the proposed as-built drawings for the Company-Owned Interconnection Facilities constructed by Subscriber Organization (and/or its Contractors). Within thirty (30) Days of Company's receipt of the proposed as-built drawings, Company shall provide Subscriber Organization with either (i) its comments on the proposed as-built drawings or (ii) notice of acceptance of the proposed as-built drawings as final as-built drawings. If Company provides comments on the proposed as-built drawings, Subscriber Organization shall incorporate such comments into a final set of as-built drawings and provide such final as-built drawings to Company within twenty (20) Days of Subscriber Organization's receipt of Company's comments.

3. Subscriber Organization Payment To Company for Company-Owned Interconnection Facilities and Review Of Facility.

- (a) Subscriber Organization Payment to Company.
- (i) Subscriber Organization shall pay the Total Estimated Interconnection Cost, which is comprised of the estimated costs of (aa) acquiring, constructing and installing the Company-Owned Interconnection Facilities to be designed, engineered and constructed by Company, (bb) the engineering and design work (including but not

limited to Company, affiliated Company and contracted engineering and design work) associated with (i) the application process for the PUC Approval Order, (ii) developing such Company-Owned Interconnection Facilities and (iii) reviewing and specifying those portions of Facility which allow interconnected operations as such are described in Attachment B (Facility Owned by Subscriber Organization) (collectively, the "Engineering and Design Work"), and (cc) conducting the Acceptance Test and Control System Acceptance Test. The Total Actual Interconnection Cost (the actual cost of items (aa) through (cc)) are the "Total Interconnection Cost".

- (ii) Summary List of Company-Owned Interconnection Facilities and Related Services to be designed, engineered and constructed by Company:

**[THIS LIST SHOULD GENERALLY INCORPORATE A SUBSET OF THE LIST IN ATTACHMENT G, SECTION 1(d), PLUS TESTING.]**

- (iii) The following summarizes the Total Estimated Interconnection Cost of the Company-Owned Interconnection Facilities to be designed, engineered and constructed by Company:

**[THIS LIST SHOULD INCLUDE ESTIMATED COSTS FOR THE ITEMS LISTED IN ATTACHMENT G, SECTION 3(a)(ii).]**

The Total Estimated Interconnection Cost is \$           .

- (b) Total Estimated Interconnection Costs. The Total Estimated Interconnection Cost, which, except as otherwise provided herein, is non-refundable, shall be paid in accordance with the following schedule:
  - (i) Initial Payment: Prior to the execution of the Interconnection Requirements Amendment, Subscriber Organization has paid \$\_\_\_\_,000.00 to Company;
  - (ii) Company-Owned Interconnection Facilities Prepayment: Within thirty (30) Days after the execution of the Interconnection Requirements Amendment, the total estimated costs related to the Engineering and Design Work are due and payable by Subscriber Organization to Company;

- A. Company shall not be obligated to perform any work with respect to Company-Owned Interconnection Facilities until Subscriber Organization pays the amounts in Section 3(b)(i) (Initial Payment) and Section 3(b)(ii) (Company-Owned Interconnection Facilities Prepayment) of this Attachment G (Company-Owned Interconnection Facilities), and receipt of such payment shall constitute Subscriber Organization's irrevocable authorization to Company to perform such engineering and design work.
- (iii) Balance of Company-Owned Interconnection Facilities Prepayment: On the Guaranteed Procurement Payment Date, the difference between the portion of the Total Estimated Interconnection Cost paid to date and the Total Estimated Interconnection Cost is due and payable by Subscriber Organization to Company.
- A. Company shall not be obligated to perform any work with respect to Company-Owned Interconnection Facilities until Subscriber Organization pays the amount in this Section 3(b)(iii) (Balance of Company-Owned Interconnection Facilities Prepayment) of this Attachment G (Company-Owned Interconnection Facilities), and receipt of such payment shall constitute Subscriber Organization's irrevocable authorization to Company to perform such procurement and construction work.
- (c) True-Up. The final accounting shall take place within one hundred twenty (120) Days of the first to occur of (i) the Commercial Operations Date, (ii) the date this Agreement is declared null and void under either Section 12.5 (Prior to Effective Date) or Section 12.6 (Time Periods for PUC Submittal Date and PUC Approval) of this Agreement, or (iii) the date this Agreement is terminated, whichever occurs first. Company shall be entitled to an extension for a commercially reasonable amount of time to complete the final accounting if a delay in such completion is caused by Subscriber Organization's delay or failure to respond to any Company request for information needed to complete the

final accounting or take any action necessary for Company to complete the final accounting. Upon completion of the final accounting, Company shall deliver to Subscriber Organization an invoice for payment of the amount, if any, of the difference between the Total Estimated Interconnection Cost paid to date and the Total Actual Interconnection Cost, which is the final accounting of the Total Interconnection Costs. Payment of such invoice shall be made within thirty (30) Days of receipt of such invoice from Company. If the Total Actual Interconnection Cost is less than the payments received by Company as the Total Estimated Interconnection Cost, Company shall repay the difference to Subscriber Organization within thirty (30) Days of the final accounting.

- (d) Audit Rights. Subscriber Organization shall have the right for a period of one (1) year following receipt of the invoice: (i) upon reasonable prior notice, to audit the books and records of Company to the limited extent reasonably necessary to verify the basis for the amount (if any) by which the Total Actual Interconnection Cost invoiced to Subscriber Organization exceeds the Total Estimated Interconnection Cost, and (ii) to dispute the amount of any such excess. Subscriber Organization shall not have the right to audit any other financial records of Company. Company shall make such information available during normal business hours at its offices in Hawai'i. Subscriber Organization shall pay Company's reasonable actual, verifiable costs for such audits, including allocated overhead.
- (e) Ownership. All Company-Owned Interconnection Facilities including those portions, if any, provided, or provided and constructed, by Subscriber Organization shall be the property of Company.

4. Ongoing Operation and Maintenance Charges.

- (a) Prior to the Transfer Date. Subscriber Organization shall operate and maintain, at its sole cost and expense, Company-Owned Interconnection Facilities that it or its Contractors constructed, if any, prior to the Transfer Date.

- (b) On or After the Transfer Date. On and after the Transfer Date, Company shall own, operate and maintain Company-Owned Interconnection Facilities.
- (c) Monthly Bill. Company shall bill Subscriber Organization monthly (or periodically as costs are incurred) for any reasonable costs incurred in operating, maintaining and replacing (to the extent not covered by insurance) Company-Owned Interconnection Facilities. Company's costs will be determined on the basis of, but not limited to, direct payroll, material costs, applicable overhead at the time incurred, consulting fees and applicable taxes. Subscriber Organization shall, within thirty (30) Days after receipt of an invoice, reimburse Company for such monthly billed operation and maintenance charges. Company's invoice will include itemized charges reasonably necessary for Subscriber Organization to verify the basis for such charges.
5. Relocation of Company-Owned Interconnection Facilities.
- (a) In the event that the Land Rights include a relocation clause and such clause is exercised or if Company-Owned Interconnection Facilities must be relocated for any other reason not caused by Company, Subscriber Organization shall bear the cost of such relocation. Prior to the relocation of the Company-Owned Interconnection Facilities Company shall invoice Subscriber Organization for the total estimated cost of relocating the Company-Owned Interconnection Facilities (the "Total Estimated Relocation Cost"). Subscriber Organization shall, within thirty (30) Days after the invoice date, pay to Company the Total Estimated Relocation Cost.
- (b) Once the relocation of the Company-Owned Interconnection Facilities is complete, Company shall conduct a final accounting of all costs related thereto. Within thirty (30) Days of the final accounting, which shall take place within one hundred and twenty (120) Days of completion of the relocation of Company-Owned Interconnection Facilities, Subscriber Organization shall remit to Company the difference between the Estimated Relocation Cost paid to date and the total actual relocation cost incurred by Company (the "Total Actual Relocation Cost"). If the Total Actual Relocation Cost is less than the payments received by

Company as the Total Estimated Relocation Cost, Company shall repay the difference to Subscriber Organization within thirty (30) Days of the final accounting.

6. Guarantee for Interconnection Costs.

- (a) Standby Letter of Credit. To ensure payment by Subscriber Organization of all costs and expenses incurred by Company (i) in excess of the Total Estimated Interconnection Cost paid in connection with the Company-Owned Interconnection Facilities to be provided and/or constructed by Company described in Section 3 (Subscriber Organization Payment To Company for Company-Owned Interconnection Facilities and Review Of Facility) of this Attachment G (Company-Owned Interconnection Facilities), and (ii) if applicable, in excess of the Total Estimated Relocation Costs paid in connection with the relocation of the Company-Owned Interconnection Facilities as provided in Section 5 (Relocation of Company-Owned Interconnection Facilities) of this Attachment G (Company-Owned Interconnection Facilities), Subscriber Organization shall obtain an Irrevocable Standby Letter of Credit with no Documentary Requirement ("Standby Letter of Credit") in accordance with the requirements of Section 6(b) (Requirements of the Standby Letter of Credit) of this Attachment G (Company-Owned Interconnection Facilities), wherein Company shall receive payment from the bank upon request by Company.
- (b) Requirements of the Standby Letter of Credit. The Standby Letter of Credit shall be (i) in an amount not less than twenty-five percent (25%) of the Total Estimated Interconnection Cost or Total Estimated Relocation Cost, as applicable, and (ii) in substantially in the form attached to this Agreement as Attachment M (Form of Letter of Credit) from a bank chartered in the United States with a credit rating of "A-" or better. If the rating (as measured by Standard & Poors) of the bank issuing the Standby Letter of Credit falls below A-, Company may require Subscriber Organization to replace the Standby Letter of Credit with a Standby Letter of Credit from another bank chartered in the United States with a credit rating of "A-" or better. In connection with the construction of the Company-Owned Interconnection Facilities, the Standby Letter of Credit shall be effective from the earlier of (aa) thirty (30) Days following the Effective

Date, or (bb) the date that Subscriber Organization requests Company to order equipment or commence construction on Company-Owned Interconnection Facilities. In connection with the relocation of the Company-Owned Interconnection Facilities, if applicable, the Standby Letter of Credit shall be effective within thirty (30) Days after Subscriber Organization receives the invoice from Company for the Total Estimated Relocation Cost as set forth in Section 5 (Relocation of Company-Owned Interconnection Facilities) of this Attachment G (Company-Owned Interconnection Facilities). The Standby Letter of Credit shall be in effect through the earlier of forty-five (45) Days after the final accounting or seventy-five (75) Days after the Agreement is terminated. Subscriber Organization shall provide to Company within fourteen (14) Days of the date the Standby Letter of Credit is to be effective as aforesaid, a document from the bank which indicates that such a Standby Letter of Credit has been established.

- (c) Other Form of Security. Notwithstanding the foregoing, in lieu of a Standby Letter of Credit, Company may, at its sole discretion, agree in writing to accept such other form of security as Company deems to provide Company with protection equivalent to a Standby Letter of Credit.

7. Land Restoration.

- (a) Definition of "Land". For the purposes of this Attachment G (Company-Owned Interconnection Facilities), "Land" means any portion of the Site and any other real property where any Company-Owned Interconnection Facilities are located.
- (b) Removal of Interconnection Facilities. After termination of this Agreement or in the event this Agreement is declared null and void under either Section 12.5 (Prior to Effective Date) or Section 12.6 (Time Periods for PUC Submittal Date and PUC Approval) of this Agreement, if requested by Company, Subscriber Organization shall, at its sole cost and expense, remove (i) the Company-Owned Interconnection Facilities from the Land and (ii) the Subscriber Organization-Owned Interconnection Facilities from the Land, and, in conjunction with such removal, shall develop and implement a program to recycle, to the fullest extent possible, or to otherwise properly

dispose of, all such removed infrastructure; provided, however, that, Company may elect to remove all or part of the Company-Owned Interconnection Facilities and/or Subscriber Organization-Owned Interconnection Facilities from the Land because of operational concerns over the removal of such Interconnection Facilities, in which case Subscriber Organization shall reimburse Company for its costs to remove such Company-Owned Interconnection Facilities and/or Subscriber Organization-Owned Interconnection Facilities. To the extent Subscriber Organization is obligated to remove Company-Owned Interconnection Facilities and/or Subscriber Organization-Owned Interconnection Facilities, Subscriber Organization shall complete such removal within ninety (90) Days of termination of this Agreement (or declaration that the Agreement is null and void under either Section 12.5 (Prior to Effective Date) or Section 12.6 (Time Periods for PUC Submittal Date and PUC Approval) of this Agreement, or as otherwise agreed to by both Parties in writing.

- (c) Restoration of the Land. After the termination of this Agreement (or declaration that the Agreement is null and void under either Section 12.5 (Prior to Effective Date) or Section 12.6 (Time Periods for PUC Submittal Date and PUC Approval) of this Agreement) and removal of the Company-Owned Interconnection Facilities and/or Subscriber Organization-Owned Interconnection Facilities, as the case may be, Subscriber Organization shall, at its sole cost and expense, restore the Land to its condition prior to construction of such Company-Owned Interconnection Facilities and/or Subscriber Organization-Owned Interconnection Facilities, as applicable. Land restoration shall be completed within ninety (90) Days of termination of this Agreement (or declaration that the Agreement is null and void under either Section 12.5 (Prior to Effective Date) or Section 12.6 (Time Periods for PUC Submittal Date and PUC Approval) of this Agreement), or as otherwise agreed to by both Parties in writing.

8. Transfer of Ownership/Title.

- (a) Transfer of Ownership and Title. On the Transfer Date, Subscriber Organization shall transfer to Company all right, title and interest in and to Company-Owned Interconnection Facilities to the extent such facilities



were designed and constructed by Subscriber Organization and/or its Contractors together with (i) all applicable manufacturers' or Contractors' warranties which are assignable and (ii) all Land Rights necessary to own, operate and maintain Company-Owned Interconnection Facilities on and after the Transfer Date. Subscriber Organization shall provide a written list of the manufacturers' and Contractors' warranties which will be assigned to Company and the expiration dates of such warranties no later than thirty (30) Days before the Transfer Date.

- (b) No Liens or Encumbrances. Company's title to and ownership of Company-Owned Interconnection Facilities that were designed and constructed by Subscriber Organization and/or its Contractors shall be free and clear of liens and encumbrances.
- (c) Form of Documents. The transfers to be made to Company pursuant to this Section 8 (Transfer of Ownership/Title) of Attachment G (Company-Owned Interconnection Facilities) shall not require any further payment by Company. The form of the document to be used to convey title to the Company-Owned Interconnection Facilities that were designed and constructed by or on behalf of Subscriber Organization shall be substantially in the form set forth in Attachment H (Form of Bill of Sale and Assignment). The form of the document(s) to be used to assign leases shall be substantially in the form set forth in Attachment I (Form of Assignment of Lease and Assumption). To the extent Land Rights other than leases are transferred to Company, appropriate modifications will be made to Attachment I (Form of Assignment of Lease and Assumption) to effectuate the transfer of such Land Rights.

9. Governmental Approvals for Any Company-Owned Interconnection Facilities.

Subscriber Organization shall obtain at its sole cost and expense all Governmental Approvals necessary to the construction, ownership, operation and maintenance of the Company-Owned Interconnection Facilities. For Company-Owned Interconnection Facilities to be constructed by Company, Subscriber Organization shall provide all Governmental Approvals necessary for the construction of such Company-Owned Interconnection Facilities prior to the commencement of

construction by Company. For Company-Owned Interconnection Facilities to be constructed by Subscriber Organization, Subscriber Organization shall obtain all Governmental Approvals necessary for construction of the Company-Owned Interconnection Facilities prior to commencement of the construction activity for which such Governmental Approval is required. For all other Governmental Approvals for Company-Owned Interconnection Facilities, Subscriber Organization shall provide these prior to the Transfer Date. On or before the Transfer Date, Subscriber Organization shall provide Company with (i) copies of all such Governmental Approvals obtained by Subscriber Organization regarding the construction, ownership, operation and maintenance of Company-Owned Interconnection Facilities that Subscriber Organization and/or its Contractors constructed and (ii) documentation regarding the satisfaction of any condition or requirement set forth in any Governmental Approvals for Company-Owned Interconnection Facilities (excluding on-going reporting or monitoring requirements that may continue beyond the Transfer Date in accordance with such Governmental Approval) or that such Governmental Approvals have otherwise been closed with the issuing Governmental Authority.

10. Land Rights.

Subscriber Organization shall, prior to the commencement of construction of the Company-Owned Interconnection Facilities (whether to be built by Subscriber Organization or by Company) obtain at its sole cost and expense all Land Rights that are required to construct, own, operate and maintain the Company-Owned Interconnection Facilities. Without limitation to the preceding sentence, Subscriber Organization shall pay all surveying and mapping costs, appraisal fees, document preparation fees, recording fees or other costs. Subscriber Organization shall use commercially reasonable efforts to obtain on behalf of the Company perpetual Land Rights for the Company-Owned Interconnection Facilities. Such Land Rights shall contain terms and conditions which are acceptable to Company and the documents setting forth the Land Rights shall be provided in advance of execution to Company for its review and approval and shall be recorded if required by Company. Following the Execution Date, Subscriber Organization shall provide as part of the Monthly Progress Report the status of negotiations with landowner(s) regarding the Land Rights. Notwithstanding the foregoing, Company shall have the right in its sole discretion, at any time upon notice to Subscriber

Organization, to communicate directly with the landowner(s) and/or participate in the negotiations with landowner(s) for the Land Rights. For so long as Subscriber Organization has the right under this Agreement to sell electric energy to Company, Subscriber Organization shall pay for any rents and other payments due under such Land Rights that are associated with Company-Owned Interconnection Facilities.

11. Contracts for Company-Owned Interconnection Facilities.

For all contracts entered into by or on behalf of Subscriber Organization for Company-Owned Interconnection Facilities to be designed, engineered and constructed, in whole or in part, by or on behalf of Subscriber Organization, the following shall apply: (i) Company shall be made an intended third-party beneficiary of such contracts; and (ii) Company shall be provided with copies of such executed contracts, which may be redacted but only to the extent required to prevent disclosure of confidential or proprietary information of Subscriber Organization or the counterparty to such agreement; provided, however, that such redactions may not conceal information that is necessary for the Company to determine and exercise Company's rights under such contracts as a third-party beneficiary.

[MATRIX TO BE INSERTED]

ATTACHMENT H  
FORM OF BILL OF SALE AND ASSIGNMENT

THIS BILL OF SALE AND ASSIGNMENT ("Bill of Sale"), made as of the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by \_\_\_\_\_ ("Transferor") and \_\_\_\_\_ ("Transferee").

W I T N E S S E T H:

1. Bill of Sale. In consideration of the mutual covenants and agreements of Transferor and Transferee under the Power Purchase Agreement for Renewable Dispatchable Generation between Transferor and Transferee dated \_\_\_\_\_, 20\_\_ ("PPA") and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Transferor does hereby sell, assign and transfer over to Transferee all of Transferor's right, title and interest, in and to (i) all the tangible personal property and fixtures (including but not limited to the items set forth in Schedule H-1 (Description of Tangible Personal Property and Fixtures) attached hereto and incorporated herein), that constitutes what is referred to as the "Company-Owned Interconnection Facilities to be installed by or on behalf of Subscriber Organization" (or words to similar effect) as set forth in Attachment G (Company-Owned Interconnection Facilities) to the PPA between [**Transferor and Transferee**] and (ii) the intangible personal property (including but not limited to the intangible personal property set forth in Schedule H-2 (Description of Intangible Personal Property) attached hereto and incorporated herein) owned by Transferor and used or to be used in the ownership, operation and maintenance of the aforesaid tangible personal property, to the extent assignable by Transferor, including without limitation, certificates of occupancy, permits, licenses, transferable warranties and guaranties, instruments, documents of title, and general intangibles pertaining to the aforesaid intangible personal property.

2. Warranty of Title. Transferor hereby warrants to Transferee that Transferor is the legal owner of the aforesaid tangible personal property and the aforesaid intangible personal property (including but not limited to the property set forth in Schedule H-1 (Description of Tangible Personal Property and Fixtures) and Schedule H-2 (Description of Intangible Personal Property)), and that said property is being sold, assigned and transferred to Transferee free and clear of all liens and encumbrances.

3. Governing Law. This Bill of Sale shall be governed by, and construed and interpreted in accordance with, the laws of the State of Hawai'i.

**[Signatures for Bill of Sale and Assignment  
Appear on the Following Page]**

IN WITNESS WHEREOF, Transferor and Transferee have executed this instrument on the day and year first above written.

\_\_\_\_\_  
a \_\_\_\_\_  
  
By \_\_\_\_\_  
Its \_\_\_\_\_  
  
"Transferor"

\_\_\_\_\_  
a Hawai'i corporation  
  
By \_\_\_\_\_  
Its \_\_\_\_\_  
  
By \_\_\_\_\_  
Its \_\_\_\_\_  
  
"Transferee"

SCHEDULE H-1  
DESCRIPTION OF  
TANGIBLE PERSONAL PROPERTY AND FIXTURES



SCHEDULE H-2  
DESCRIPTION OF INTANGIBLE PERSONAL PROPERTY

LAND COURT SYSTEM

REGULAR SYSTEM

Return by Mail ( ) Pickup ( ) To:

Tax Map Key Nos.:

Total pages: \_\_\_\_\_

ATTACHMENT I  
FORM OF ASSIGNMENT OF LEASE AND ASSUMPTION

THIS ASSIGNMENT is made as of this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by \_\_\_\_\_, a \_\_\_\_\_, whose principal place of business and post office address is \_\_\_\_\_, hereinafter called the "Assignor," and \_\_\_\_\_, a Hawai'i corporation, whose principal place of business and post office address is \_\_\_\_\_, Honolulu, HI 968\_\_\_\_, hereinafter called the "Assignee",

W I T N E S S E T H:

THAT the Assignor, for and in consideration of the sum of TEN DOLLARS (\$10.00) and other good and valuable consideration to it paid by the Assignee, the receipt and sufficiency of which are hereby acknowledged, and of the covenants and agreements of the Assignee hereinafter contained and on the part of the Assignee to be faithfully kept and performed, does hereby sell, assign, delegate, transfer, set over and deliver unto the Assignee, and its successors and assigns, all of Assignor's right, title and interest in and to the lease described in Schedule 1 (the "Lease"); together with

all interests thereto appertaining, and together with the personal property located on the land thereby demised.

And all of the estate, right, title and interest of the Assignor in and to the land thereby demised, and all buildings, improvements, rights, easements, privileges and appurtenances thereunto belonging or appertaining or used, occupied and enjoyed in connection with said Lease and the land thereby demised.

TO HAVE AND TO HOLD the same unto Assignee and its successors and assigns, for and during the respective unexpired term of said Lease, and as to said personal property (if any) absolutely and forever.

AND, in consideration of the premises, the Assignor does hereby covenant with the Assignee that the Assignor is the lawful owner of the herein described real property; that said Lease is in full force and effect and is not in default; that said real property is free and clear of and from all liens and encumbrances, except for the lien of real property taxes not yet by law required to be paid; that the Assignor is the lawful owner of said personal property (if any) and that Assignor's title thereto is free and clear of and from all liens and encumbrances, that the Assignor has good right to sell and assign said real property and personal property (if any) as aforesaid; and, that the Assignor will WARRANT AND DEFEND the same unto the Assignee against the lawful claims and demands of all persons, except as aforesaid.

AND, in consideration of the foregoing, the Assignee does hereby promise, covenant and agree to and with the Assignor and to and with the lessor under the Lease, that the Assignee will, effective as of and from the date of the execution and delivery of this instrument and during the residue of the term of said Lease, pay the rents thereby reserved as and when the same become due and payable pursuant to the provisions of said Lease, and will also faithfully observe and perform all of the covenants and conditions contained in said Lease which from and after the date hereof are or ought to be observed and performed by the lessee therein named, and will at all times hereafter indemnify and save harmless the Assignor from and against the nonpayment of said rent and the nonobservance or nonperformance of said covenants and conditions and each of them.

The terms "Assignor" and "Assignee", as and when used herein, or any pronouns used in place thereof, shall mean and include the masculine, feminine or neuter, the singular or

plural number, individuals, partnerships, trustees or corporations and their and each of their respective successors, heirs, personal representatives, successors in trust and assigns, according to the context hereof. All covenants and obligations undertaken by two or more persons shall be deemed to be joint and several unless a contrary intention is clearly expressed elsewhere herein. The term "Lease", as and when used herein, means the lease or sublease demising the leasehold estate described in Schedule 1, together with all recorded amendments thereof, if any, whether or not listed in Schedule 1. The term "rent", as and when used herein, means and includes all rents, taxes, assessments and any other sums charged pursuant to the Lease.

This instrument may be executed in any number of counterparts, each of which shall be deemed an original, but all of which shall constitute one instrument binding on all the Parties hereto, notwithstanding that all the Parties are not signatory to the original or the same counterpart.

**[Signatures for Assignment of Lease and Assumption are on following page.]**

IN WITNESS WHEREOF, Company and Assignor have executed  
this instrument as of the date first above written.

\_\_\_\_\_

By \_\_\_\_\_  
Name:  
Title:

By \_\_\_\_\_  
Name:  
Title:

**"Assignor"**

\_\_\_\_\_

By \_\_\_\_\_  
Name:  
Title:

By \_\_\_\_\_  
Name:  
Title:

**"Assignee"**

STATE OF HAWAI'I )  
 ) SS:  
CITY AND COUNTY OF HONOLULU )

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me personally appeared \_\_\_\_\_ and \_\_\_\_\_, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that such persons executed such instrument as the free act and deed of such persons and if applicable in the capacity shown, having been duly authorized to execute such instrument in such capacity.

(Official Stamp or Seal)

Signature: \_\_\_\_\_  
Print Name: \_\_\_\_\_  
Notary Public, State of Hawai'i

My commission expires: \_\_\_\_\_

NOTARY CERTIFICATION STATEMENT

Document Identification or  
Description: \_\_\_\_\_  
\_\_\_\_\_

Doc. Date \_\_\_\_\_ No. of Pages: \_\_\_\_

Jurisdiction: \_\_\_\_\_ Circuit  
(in which notarial act is performed)

(Official Stamp or Seal)

Signature of Notary \_\_\_\_\_ Date of Notarization and  
Certification Statement

Printed Name of Notary \_\_\_\_\_

STATE OF HAWAI'I )  
 ) SS:  
CITY AND COUNTY OF HONOLULU )

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me personally appeared \_\_\_\_\_ and \_\_\_\_\_, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that such persons executed such instrument as the free act and deed of such persons and if applicable in the capacity shown, having been duly authorized to execute such instrument in such capacity.

(Official Stamp or Seal)

Signature: \_\_\_\_\_  
Print Name: \_\_\_\_\_  
Notary Public, State of Hawai'i

My commission expires: \_\_\_\_\_

NOTARY CERTIFICATION STATEMENT

Document Identification or

Description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Doc. Date \_\_\_\_\_ No. of Pages: \_\_\_\_

Jurisdiction: \_\_\_\_\_ Circuit  
(in which notarial act is performed)

(Official Stamp or Seal)

Signature of Notary \_\_\_\_\_ Date of Notarization and  
Certification Statement

Printed Name of Notary \_\_\_\_\_

**SCHEDULE 1**

- Description of Lease
- To Be Attached



ATTACHMENT J  
COMPANY PAYMENTS FOR ENERGY, DISPATCHABILITY AND AVAILABILITY OF  
BESS

1. Price for Purchase of Electric Energy. Commencing on the Commercial Operations Date, Company shall pay Subscriber Organization for electric energy produced by the Facility and delivered to the Point of Interconnection in response to Company Dispatch in accordance with this Agreement at the rate of \$0.00/MWh. Company shall also not pay for electric energy delivered to the Point of Interconnection from the BESS. **[DRAFTING NOTE: PPAS FOR PV AND PV+STORAGE SHALL NOT BE COMPENSATED FOR ENERGY AND THEREFORE THE ENERGY PRICE SHALL REMAIN REFLECTED AT \$0].**
2. Lump Sum Payment. Commencing on the Commercial Operations Date, Company shall pay for the availability of the Facility's Net Energy Potential, subject to the Renewable Resource Variability, to respond to Company Dispatch in accordance with this Agreement, as well as for the BESS Services, a monthly Lump Sum Payment as calculated and adjusted as set forth in Section 3 (Calculation of Lump Sum Payment) of this Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS). The monthly Lump Sum Payment shall be calculated and adjusted to reflect changes in the estimate of the Facility's Net Energy Potential as such estimate is revised from time to time as more fully set forth in Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement.
3. Calculation of Lump Sum Payment. The monthly Lump Sum Payment shall be calculated and adjusted as follows:
  - i. Lump Sum Payment During First Benchmark Period. During the First Benchmark Period, the monthly Lump Sum Payment shall be equal to one-twelfth (1/12<sup>th</sup>) of the product (rounded to the nearest cent) obtained by multiplying the Unit Price by the First NEP Benchmark.
  - ii. Lump Sum Payment During Second Benchmark Period.
    - a. One purpose of the Second Benchmark Period is to provide the Subscriber Organization, in the event that the Initial NEP OEPR Estimate is less than NEP RFP Projection, with a limited period during which Subscriber Organization will have an opportunity,

by having a Subsequent OEPR prepared pursuant to Section 3(b) (Voluntary Subsequent OEPR) of Attachment U (Calculation Adjustment of Net Energy Potential) to this Agreement, to obtain an adjustment to the NEP OEPR Estimate used to calculate the Lump Sum Payment, subject to (i) the cap on any upward adjustment imposed by the limitation that the estimate of Net Energy Potential that is used to calculate the Lump Sum Payment shall not exceed the NEP RFP Projection and (ii) the risk that any Subsequent OEPR might result in a downward adjustment to the NEP OEPR Estimate used to calculate the Lump Sum Payment. Accordingly, for each calendar month during the Second Benchmark Period, the monthly Lump Sum Payment shall be equal to one-twelfth (1/12<sup>th</sup>) of the product (rounded to the nearest cent) obtained by multiplying the Unit Price by the lesser of the (w) the NEP RFP Projection or (x) the NEP OEPR Estimate of the OEPR that is most recent as of the first Day of such calendar month. For avoidance of doubt:

1. On the first Day of the Second Benchmark Period, the most recent OEPR will be the Initial OEPR;
2. If no Subsequent OEPR is issued under Section 3 (Subsequent OEPRs) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement for an OEPR Period of Record ending prior to the end of the third (3<sup>rd</sup>) Contract Year, the "most recent OEPR" during the entirety of the Second Benchmark Period will be the Initial OEPR;
3. If any Subsequent OEPR is prepared for an OEPR Period of Record ending prior to the commencement of the fourth (4<sup>th</sup>) Contract Year, the monthly Lump Sum Payment shall, for the period commencing on the first Day of the calendar month following the month during which an OEPR Evaluator issues such Subsequent OEPR, be equal to one-twelfth (1/12<sup>th</sup>) of the product (rounded to the nearest cent) obtained by multiplying the Unit Price by the lesser of (w) the NEP OEPR Estimate obtained from such

Subsequent OEPR or (x) the NEP RFP Projection. The monthly Lump Sum Payment calculated as aforesaid shall remain in effect through the first to occur of (y) the end of the Term or (z) the end of the calendar month during which an OEPR Evaluator issues the next Subsequent OEPR (if any) that is required or permitted under Section 4 (Preparation of OEPR) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement.

iii. Lump Sum Payment Following Second Benchmark Period.

- (i) As of the first Day of the fourth (4<sup>th</sup>) Contract Year, the estimate of Net Energy Potential that was used to calculate the Lump Sum Payment for the last calendar month of the Second Benchmark Period shall continue in effect as the estimate of Net Energy Potential that is used to calculate the Lump Sum Payment until the end of the calendar month during which an OEPR Evaluator issues the first Subsequent OEPR for an OEPR Period of Record ending on or after the commencement of the fourth (4<sup>th</sup>) Contract Year and, effective at the end of such calendar month, the Second NEP Benchmark that was in effect immediately prior to the issuance of such Subsequent OEPR shall constitute the "Most Recent Prior NEP Benchmark" under clause (i) of the definition of that term set forth in this Agreement. For avoidance of doubt, if no Subsequent OEPR is issued for an OEPR Period of Record ending on or after the commencement of the fourth (4<sup>th</sup>) Contract Year, the Second NEP Benchmark that was used to calculate the Lump Sum Payment for the last calendar month of the Second Benchmark Period shall continue in effect for the balance of the Term as the estimate of Net Energy Potential that is used to calculate the Lump Sum Payment.
- (ii) In order to facilitate planning for the Company System, no increase in Net Energy Potential (and hence in the monthly Lump Sum Payment) shall be permitted under this Agreement as a consequence of any Subsequent OEPR that is prepared for an OEPR Period of Record ending on or after the expiration of the Second Benchmark Period. Accordingly, if any such Subsequent OEPR is prepared, the monthly

Lump Sum Payment shall, for the period commencing on the first Day of the calendar month following the month during which an OEPR Evaluator issues such Subsequent OEPR, be equal to one-twelfth (1/12<sup>th</sup>) of the product (rounded to the nearest cent) obtained by multiplying the Unit Price by the lesser of (w) the NEP OEPR Estimate obtained from such Subsequent OEPR or (x) the Most Recent Prior NEP Benchmark. The monthly Lump Sum Payment calculated as aforesaid shall remain in effect through the first to occur of (y) the end of the Term or (z) the end of the calendar month during which an OEPR Evaluator issues the next following Subsequent OEPR (if any) that is required or permitted under Section 3 (Subsequent OEPRs) of Attachment U (Calculation and Adjustment of Net Energy Potential) to this Agreement. If any such next following Subsequent OEPR is issued, the monthly Lump Sum Payment shall, for the period commencing on the first Day of the calendar month following the calendar month during which an OEPR Evaluator issues such Subsequent OEPR, be recalculated and adjusted as provided in this Section 3.iii.b of this Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) and shall continue in effect for the period provided in the preceding sentence.

- iv. Under the Company's previous forms of as-available power purchase agreements for renewable energy, the independent power producer was compensated for the production and delivery of electrical energy and assumed the risk of non-payment for events such as Force Majeure that prevented such production and delivery. Although under this Agreement most of Subscriber Organization's compensation will be in the form of a Lump Sum Payment rather than for the production and delivery of electrical energy, it is not the intent of the Parties that Subscriber Organization should be entitled to unrestricted compensation in circumstances in which an independent power producer would not have been able to earn compensation under the Company's prior form of power purchase agreements (i.e., if the Facility or any portion thereof is unable to produce and deliver electric energy). Although the liquidated damages that are payable if the PV System Equivalent Availability Factor fails to satisfy the PV System Equivalent

Availability Factor Performance Metric address this issue in certain of the circumstances when the PV System or a portion thereof is unable to generate electric energy, the PV System Equivalent Availability Factor does not account for events of Force Majeure because data from months in which a Force Majeure occurs are excluded from the PV System Equivalent Availability Factor calculation under Section 2.5(a) (Calculation of the PV System Equivalent Availability Factor) of this Agreement. Accordingly, and without limitation to the generality of the foregoing provisions of this Section 3 (Calculation of Lump Sum Payment) of this Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS), the monthly Lump Sum Payment shall be adjusted downward pro rata for each Day or portion thereof during the calendar month in question that the Facility inverter(s) or a portion thereof was not available to respond to Company Dispatch because of a Force Majeure condition (i) affecting the Facility or any portion thereof or (ii) that otherwise delays or prevents the Subscriber Organization from making the Facility inverter(s) in question or a portion thereof available for Company Dispatch.

- v. Example 1: if the PV System has ten inverter(s) and, during the month of May (which has 31 calendar days), one inverter is not available to respond to Company Dispatch for a period of 15 Days due to a Force Majeure condition as aforesaid, the monetary amount of the resulting downward adjustment to the monthly Lump Sum Payment for the month of May would be calculated as follows:

$$\begin{array}{l} \text{Monetary Amount} \\ \text{of Downward} \\ \text{Adjustment} \end{array} = \begin{array}{l} (\text{MLSP} \times 1/10) \\ \times 15/31 \end{array}$$

where:

MLSP = The monthly Lump Sum Payment that would be payable for such month but for the downward adjustment.

For purposes of determining the monetary amount of the foregoing downward adjustment, the product obtained by multiplying a monetary value by a fraction shall be rounded to the nearest cent.

4. Updating Monthly Subscriber Information Used to Calculate Bill Credits and Other Matters.

- (a) No later than the last Day of each calendar month, the Subscriber Organization shall provide to the Company any and all changes to the Monthly Subscription Information to be used for such calendar month by entering new or updating previously-entered data through the CBRE Online Portal. Such data to be entered or changed by the Subscriber Organization shall include additions, deletions or changes to the listing of Subscribers, including any changes occurring by said last Day of such calendar month to the Subscriber's account number and service address attributable to each Subscription and the Subscriber Allocation for each Subscription.
- (b) For each calendar month, the purchase or transfer of all or any portion of a Subscriber's Allocation occurring on or before the 20<sup>th</sup> Day of such calendar month of which the Company is notified, as provided for in the preceding paragraph, shall have retroactive effect as of the first Day of such calendar month; the purchase or transfer of all or any portion of a Subscriber's Allocation occurring on or after the 21st Day of such calendar month, but prior to the first Day of the following calendar month, shall have effect as of the first Day of such following calendar month. The following shall be recalculated as of the last Day of each calendar month to account for the effectiveness of such purchases and transfers as aforesaid: (i) Unsubscribed RDG; (ii) the percentage of the Contract Capacity represented by the Subscriber Allocations for all Residential Subscribers; (iii) the number of individual Subscribers; and (iv) the percentage of Contract Capacity represented by all LMI Subscribers.

5. Adjusting Payment to Subscriber Organization; Liquidated Damages.

- (a) The dollar amount to be paid to Subscriber Organization for the Unsubscribed RDG for a particular calendar month shall be as follows:
- (i) For the first six calendar months from and including the Commercial Operations Date, Company shall pay Subscriber Organization the Baseline SO Payment (i.e., the balance of the monthly Lump Sum

Payment remaining after deducting the total dollar value of the Bill Credits for that month).

(ii) Beginning with the seventh calendar month following the Commercial Operations Date, the amount payable to Subscriber Organization for the Unsubscribed RDG for the month in question shall be equal to the Baseline SO Payment for such month (i.e., the balance of the monthly Lump Sum Payment remaining after deducting the total dollar value of the Bill Credits for such month) as adjusted downward to account for any of the following reductions that may be applicable for such month based on the recalculations made as of the end of such month pursuant to Section 4(b) of this Attachment J (Company Payments for Energy Dispatchability and Availability of BESS):

(aa) if the Unsubscribed RDG for such calendar month exceeds 15% of the Contract Capacity, the percentage by which the amount payable to Subscriber Organization is to be reduced shall be equal to the percentage point differential between 100% and the actual percentage of the Contract Capacity represented by Unsubscribed RDG. For example, if the actual Unsubscribed RDG is 18% of Contract Capacity for the month in question, the percentage point differential is 18% and the percentage by which the amount payable to Subscriber Organization is to be reduced is 18%;

(bb) if the total of the Subscriber Allocations for all Residential Subscribers for such calendar month is less than 40% of the Contract Capacity, the percentage by which the amount payable to Subscriber Organization is to be reduced shall be equal to one-fourth (0.25) of the percentage point differential between 40% and the actual percentage of the Contract Capacity represented by the Subscriber Allocations for all Residential Subscribers. For example, if the actual total of the Subscriber Allocations for all Residential Subscribers is 32% of Contract Capacity for the month in question, the percentage point differential is 8% and the percentage by which

the amount payable to Subscriber Organization is to be reduced is 2% (that is, one-fourth of the percentage point differential of 8%);

- (cc) if the Subscriber Organization has committed to an Enhanced Residential Threshold in excess of 40% of Contract Capacity, and the total of Subscriber Allocations for all Residential Subscribers for such calendar month is less than the Enhanced Residential Threshold, the percentage by which the amount payable to Subscriber Organization is to be reduced shall be equal to one-tenth (0.1) of the percentage point differential between the Enhanced Residential Threshold and the higher of (i) 40% or (ii) the percentage of Contract Capacity represented by the total of Subscriber Allocations for all Residential Subscribers. For example, using the same 32% of Contract Capacity for the actual percentage of the Subscriber Allocations for all Residential Subscribers that was used in the example set forth in Section 5(b)(ii)(bb) immediately above, the determination of the percentage point differential would be based on 40% because that is higher than 32%. Assuming that Subscriber Organization had committed to an Enhanced Residential Threshold of 50% of Contract Capacity, 10% is the percentage point differential between 40% and the Enhanced Residential Threshold, and the percentage by which the Baseline SO Payment is to be reduced is 1% (that is, one-tenth of the percentage point differential of 10%). For the example under discussion (that is, the percentage of Contract Capacity represented by the Subscriber Allocations for all Residential Subscribers is 32%), the aforementioned 1% reduction in the amount payable to Subscriber Organization would be in addition to the 2% reduction under Section 5(b)(ii)(bb);
- (dd) if the Facility has less than 4 individual Subscribers for such calendar month, the percentage by which the amount payable to Subscriber Organization is to be reduced shall be equal to the percentage by which the



Facility fell below the threshold of having 4 individual Subscribers. For example, if the actual number of individual Subscribers is 3 for the month in question, the shortfall in individual Subscribers is 1, which is 25% of 4. Thus, the amount payable to Subscriber Organization shall be reduced by 25%; and

- (iii) If the Subscriber Organization's Facility CBRE Program has a LMI Minimum Threshold, adjustment to the amount to Subscriber Organization is to be reduced shall be as set forth in Part III. Section E (Payment Reductions and Liquidated Damages) of the CBRE Tariff. The applicable percentage to be used to calculate such reduction, as determined pursuant to said Part III, Section E of the CBRE Tariff, is referred to below as the "Applicable LMI Percentage Reduction."
  - (iv) Beginning with seventh calendar month following the Commercial Operations Date, the amount payable to Subscriber Organization for Unsubscribed RDG for such month shall be equal to the Baseline SO Payment for such month (i.e., the balance of the monthly Lump Sum Payment remaining after deducting the total dollar value of the Bill Credits for such month) as adjusted downward by a percentage equal to the sum for such calendar month obtained by adding up the percentage points as calculated for such month pursuant to Section 5(a)(ii) and (iii) immediately above. For example, using the various percentage points used as examples in said Section 5(a)(ii), the amount payable to Subscriber Organization for such month would be reduced by the percentage equal to the sum of  
 $18\%+2\%+1\%+25\%+\text{Applicable LMI Percentage Reduction.}$
- (b) Beginning with the seventh calendar month following the Commercial Operations Date, if there is no Unsubscribed RDG but the summing of the percentage points for such month pursuant to Section 5(a)(iii) of this Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) results in a percentage that is more than zero, Subscriber Organization shall promptly pay upon demand, and Company shall accept, liquidated damages for failure to achieve the requisite thresholds for such month in an amount equal to the aforementioned

percentage multiplied by the Lump Sum Payment for such month. For example, using the percentage points used in the examples set forth in Section 5(a)(ii) and (iii) of this Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS), the 18% figure would no longer be applicable because in this scenario there is no Unsubscribed RDG. Thus, the percentage used to calculate the liquidated damages payable under this Section 5(b) would be the sum of  $2\%+1\%+25\%+\text{Applicable LMI Percentage Reduction}$ . Company shall have the option of drawing such liquidated damages from the Operating Period Security.

6. Test Energy. Company shall use reasonable efforts to accept test energy that is delivered as part of the normal testing for generators (such as energy delivered to Company during the Control System Acceptance Test but not during the Acceptance Test), provided Subscriber Organization shall use reasonable efforts to coordinate such normal testing with Company so as to minimize adverse impacts on the Company System and operations. Company shall not compensate Subscribers or Subscriber Organization for test energy.
7. Tax Credit Pass Through. Company acknowledges and agrees that the Federal Refundable Tax Credit and Federal Non-Refundable Tax Credit shall inure to the benefit of the Claiming Entity; provided, however, that Subscriber Organization acknowledges and expressly agrees that the Federal Refundable Tax Credit and Federal Non-Refundable Tax Credit, with regard to Subscriber Organization's Facility, have been calculated into the Contract Pricing based on the maximization of such credits. In the event that Subscriber Organization's Facility does not gain the benefit of the Federal Refundable Tax Credit and/or the Federal Non-Refundable Tax Credit, Subscriber Organization expressly acknowledges and agrees that it shall not seek to amend the Contract Pricing.
  - (a) Because the Hawai'i tax treatment that will apply to renewable energy technologies on the Commercial Operations Date is uncertain, the parties acknowledge that the Contract Pricing was set assuming Subscriber Organization will not be eligible for any Hawai'i Renewable Energy Tax Credit. The intent of this Section 7 (Tax Credit Pass Through) is to entitle Company, for the benefit of its customers, to a payment equal to 100% of the maximum Hawai'i Renewable Energy Tax Credit for

which Subscriber Organization is eligible with respect to the Facility and receives during the Term, as more fully set forth in this Section 7 (Tax Credit Pass Through).

- (b) If, as of the Commercial Operations Date, or, if not available at the Commercial Operations Date, at any subsequent time during the Term, a Hawai'i Refundable Tax Credit is reasonably available to Subscriber Organization or its Affiliates with respect to the Facility, the following shall apply:
- (i) Subscriber Organization or Subscriber Organization's Affiliate will apply for such Hawai'i Refundable Tax Credit, it being understood and agreed that if Subscriber Organization applies for a Hawai'i Refundable Tax Credit as of the Commercial Operations Date, it shall have fulfilled its obligations hereunder to apply for the Hawai'i Refundable Tax Credit;
  - (ii) Subscriber Organization shall make a payment to Company in an amount equal to one hundred percent (100%) of the Net Amount of such Hawai'i Refundable Tax Credit within thirty (30) Days after funds are received from the Hawai'i Department of Taxation;
  - (iii) Upon application for the Hawai'i Refundable Tax Credit, an officer of Subscriber Organization will deliver to Company a notice (A) describing Subscriber Organization's efforts to apply for and obtain the Hawai'i Refundable Tax Credit, (B) confirming that Subscriber Organization has applied for the Hawai'i Refundable Tax Credit, and (C) certifying that Subscriber Organization has used commercially reasonable efforts to apply for and obtain the maximum reasonably available Hawai'i Refundable Tax Credit as provided in this Section 7 (Tax Credit Pass Through);
  - (iv) Upon receipt of any funds from the Hawai'i Department of Taxation for the Hawai'i Refundable Tax Credit, an officer of Subscriber Organization or an Affiliate of Subscriber Organization, if applicable, will deliver a notice to Company certifying (A) the amount of funds received, (B)

and the amount of payment that will be made to Company, net of any documented and reasonable financial, legal, administrative, and other costs required to claim and transfer such funds to Subscriber Organization, as supported by the officer's certificate as to the amount of such costs and the reasonableness thereof.

- (c) If, as of the Commercial Operations Date, a Hawai'i Refundable Tax Credit is unavailable, but a Hawai'i Non-Refundable Tax Credit is available to Subscriber Organization or its Affiliates with respect to the Facility, or at any subsequent time during the Term, a Hawai'i Non-Refundable Tax Credit becomes available to Subscriber Organization or its Affiliates with respect to the Facility, notwithstanding that Subscriber Organization may have applied for a Hawai'i Refundable Tax Credit, and in either case Subscriber Organization can claim, or enable its investors to claim, such Hawai'i Non-Refundable Tax Credit, the following shall apply:
- (i) Subscriber Organization or an Affiliate of Subscriber Organization will apply for any available Hawai'i Non-Refundable Tax Credit, it being understood and agreed that if Subscriber Organization applies for a Hawai'i Non-Refundable Tax Credit as of the Commercial Operations Date, it shall have fulfilled its obligations hereunder to apply for the Hawai'i Non-Refundable Tax Credit;
  - (ii) Subscriber Organization shall make a payment to Company in an amount equal to one hundred percent (100%) of the Net Amount of such Hawai'i Non-Refundable Tax Credit that Subscriber Organization can claim in the tax year in question within sixty (60) Days after the filing date of the applicable tax return for the tax year in which such Hawai'i Non-Refundable Tax Credit is utilized;
  - (iii) Upon the filing of the applicable tax return(s), an officer of Subscriber Organization or an Affiliate of Subscriber Organization, if applicable, will deliver a notice to Company (A) describing Subscriber Organization's efforts to apply for and obtain the Hawai'i Non-Refundable

Tax Credit, (B) confirming that Subscriber Organization has applied for the Hawai'i Non-Refundable Tax Credit, and (C) certifying that Subscriber Organization has used commercially reasonable efforts to apply for and obtain the maximum reasonably available Hawai'i Non-Refundable Tax Credit as provided in this Section 7 (Tax Credit Pass Through);

(iv) Upon receipt of any funds for the Hawai'i Non-Refundable Tax Credit, an officer of Subscriber Organization or an Affiliate of Subscriber Organization, if applicable, will deliver a notice to Company certifying (A) the amount of funds received, (B) and the amount of payment that will be made to Company, net of any documented and reasonable financial, legal, administrative, and other costs required to claim, monetize and transfer such funds to Subscriber Organization, as supported by the officer's certificate as to the amount of such costs and the reasonableness thereof;

(d) Subscriber Organization shall use commercially reasonable efforts to apply for and obtain the maximum reasonably available Hawai'i Refundable and/or Non-Refundable Tax Credit as provided in this Section 7 (Tax Credit Pass Through). If Subscriber Organization fails to apply for and to use commercially reasonable efforts to obtain such Hawai'i Renewable Energy Tax Credit as described above, then Company shall be entitled to liquidated damages in an amount equal **[\$150,000 per MW of Contract Capacity]**. Subscriber Organization and Company agree and acknowledge that (i) the failure to use commercially reasonable efforts as provided in the preceding sentence would result in damages to Company in the form of reduction or loss of a benefit for Company's customers that would be difficult or impossible to calculate with certainty and (ii) **[Note - insert amount that equals \$150,000 per MW of Contract Capacity]** is an appropriate approximation of such damages. Company's right to collect liquidated damages as described in this Section 7(d) shall constitute Company's exclusive remedy and fulfillment of all Subscriber Organization's liability with respect to its obligations to maximize the amount of Hawai'i Renewable Energy Tax Credit. Such liquidated damages shall be provided to Company in the

form of a lump sum payment by Subscriber Organization or as a credit against any amounts due by Company to Subscriber Organization under this Agreement, as Company reasonably determines.

- (e) If, prior to the application in Section 7(b) or filing in Section 7(c) of this Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS), as applicable, a change in tax law occurs to introduce a Hawai'i Production Tax Credit or an alternative renewable tax credit, Subscriber Organization will use commercially reasonable efforts to determine which tax strategy is likely to result in the larger Net Amount (based on net present value for tax credits earned over time) of claimable tax credits. If, based on such efforts, Subscriber Organization determines that either Section 7(b) or Section 7(c) would result in a larger Net Amount of usable tax credits, an officer of Subscriber Organization will deliver a notice to Company certifying that Subscriber Organization has reasonably determined that the selected form of Hawai'i Renewable Energy Tax Credit is likely to result in the larger Net Amount (based on net present value for tax credits earned over time) of claimable tax credits and explaining the rationale for such determination. If, however, Subscriber Organization reasonably determines that such Hawai'i Production Tax Credit is likely to result in the larger Net Amount (based on net present value for tax credits earned over time) of claimable tax credits and that it reasonably can obtain such Hawai'i Production Tax Credit, Subscriber Organization shall promptly notify Company in writing and explain the rationale for such determination, and Subscriber Organization and Company shall negotiate in good faith and use commercially reasonable efforts to agree upon lump sum payments and/or credits or adjustments to the Contract Pricing and other terms of this Agreement as may be required to best benefit Company's customers with 100% of the Net Amount of such tax benefits and preserve the intended economic benefits to the Parties arising from this Agreement.
- (f) Company reserves the right to have Subscriber Organization's application for the Hawai'i Renewable Energy Tax Credit in Section 7(b) or Section 7(c), or the Hawai'i Production Tax Credit or alternative tax credit under Section 7(e) of this Attachment J (Company

Payments for Energy, Dispatchability and Availability of BESS) reviewed by an Independent Tax Expert to determine if such application is expected to maximize available tax credits to best benefit Company's customers, in which case, the provisions of this Section 7(f) shall apply. Company shall deliver to Subscriber Organization a written notice (the "Nomination Notice") of: (i) the names of three persons qualified and willing to accept appointment as an Independent Tax Expert; (ii) a description provided by each nominee of his or her qualifications to serve as an Independent Tax Expert; (iii) a written undertaking by each nominee to review Subscriber Organization's tax credit strategy and application, and (iv) each nominee's fee proposal. Subscriber Organization and Company shall agree on a mutually acceptable person to serve as the Independent Tax Expert within ten (10) Business Days of Subscriber Organization's receipt of Company's written notice. If the Parties fail to agree upon a mutually acceptable Independent Tax Expert within the aforesaid ten Business Day period, such disagreement shall be resolved pursuant to Section 7(g) of this Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS). Company shall pay the fees and expenses of the Independent Tax Expert and Subscriber Organization shall promptly reimburse Company for one-half of such fees and expenses.

- (g) Any dispute arising under this Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) shall constitute a "Dispute" within the meaning of Article 28 (Dispute Resolution) of this Agreement and shall be resolved as provided in said Article 28 (Dispute Resolution).
- (h) For purposes of this Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS), an Affiliate of Subscriber Organization is a company that directly or indirectly controls, is controlled by, or is under common control with Subscriber Organization, and Subscriber Organization may perform its obligations under this Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) directly or through one or more Affiliates.

**[ATTACHMENT K WILL BE REVISED TO REFLECT  
THE RESULTS OF IRS]**

ATTACHMENT K  
GUARANTEED PROJECT MILESTONES

**[For Developer Interconnection Build]**

<b>Guaranteed Project Milestone Date</b>	<b>Description of Each Guaranteed Project Milestone</b>
<b>[SPECIFY DATE CERTAIN]</b>	<u>Construction Financing Milestone</u> : Provide Company with documentation reasonably satisfactory to Company evidencing (i) the closing on financing for the Facility including ability to draw on funds by <b>[insert same date certain as in left column]</b> or (ii) the financial capability to construct the Facility (" <u>Construction Financing Closing Milestone</u> ").
<b>[SPECIFY DATE CERTAIN]</b>	<u>Permit Application Filing Milestone</u> : Provide Company with documentation reasonably satisfactory to Company evidencing the filing by or on behalf of Subscriber Organization of the following applications for Governmental Approvals required for the ownership, construction, operation and maintenance of the Facility: County Plan Approval
<b>[SPECIFY DATE CERTAIN]</b>	<u>Guaranteed Commercial Operations Date.</u>



**[ATTACHMENT K WILL BE REVISED TO REFLECT  
THE RESULTS OF IRS]**

ATTACHMENT K-1  
SUBSCRIBER ORGANIZATION'S CONDITIONS PRECEDENT AND COMPANY  
MILESTONES

**[For Developer Interconnection Build]**

<b>Subscriber Organization's Conditions Precedent Date</b>	<b>Description of Each of Subscriber Organization's Conditions Precedent</b>
	Subscriber Organization shall make payment to Company of the amount required under <u>Section 3(b)(ii)</u> of <u>Attachment G</u> (Company-Owned Interconnection Facilities)
	Subscriber Organization shall provide Company a right of entry for the Company-Owned Interconnection Facilities site(s).
	Subscriber Organization shall make payment to Company of the amount required under <u>Section 3(b)(iii)</u> of <u>Attachment G</u> (Company-Owned Interconnection Facilities)
	Subscriber Organization's engineering, procurement and construction ("EPC") contractor shall obtain grading permit.
	Subscriber Organization's EPC contractor shall obtain and provide Company all permits (other than any required occupancy permits, if applicable), licenses, easements and approvals to construct the Company-Owned Interconnection Facilities, including the building permit.
<b>No later than three (3) months prior to the commencement of</b>	Subscriber Organization shall provide station service power, if applicable, as required by Company.

<p><b>the Acceptance Test</b></p>	
<p><b>No later than three (3) months prior to the commencement of the Acceptance Test</b></p>	<p>Subscriber Organization or Subscriber Organization's EPC contractor shall have Hawaiian Telcom Backup (or equivalent) installed which shall consist of a 1.5 Mbps Routed Network Services circuit for backup SCADA communications from Company's Substation at Subscriber Organization's Facility to Company's EMS located at the Company's control center.</p>
	<p>Subscriber Organization's EPC contractor shall complete installation of physical bus and structures within Company's substation up to the demark point as necessary to interconnect.</p>
<p><b>[specify date] ("Test Ready Deadline")</b></p>	<p>Subscriber Organization's EPC contractor shall complete construction of the Subscriber Organization-Owned Interconnection Facilities, the Subscriber Organization shall have satisfied the conditions precedent to the conduct of the Acceptance Test set forth in <u>Section 2 (f) (ii) of Attachment G</u> (Company-Owned Interconnection Facilities) and Subscriber Organization is otherwise ready to conduct the Acceptance Test.</p>
	<p>Subscriber Organization shall close grading permit, unless Subscriber Organization provides documentation establishing, to Company's reasonable satisfaction, that closing the grading permit is not required by the relevant Governmental Authority prior to energization, testing and use of the Facility.</p>

COMPANY MILESTONES

If Subscriber Organization satisfies the foregoing Subscriber Organization's Conditions Precedent, the following Company Milestones shall apply:

Company Milestone Date	Description of Each Company Milestone
<p><b>[ ] Business Days following the Test Ready Deadline</b></p>	<p>Company shall, subject to Subscriber Organization's continued satisfaction of the requirements set forth in <u>Section 2 (f) (ii)</u> and <u>Section 2 (f) (iii) of Attachment G</u> (Company-Owned Interconnection Facilities), commence Acceptance Testing.</p>
	<p>Energization of Company-Owned Interconnection Facilities, provision of back-feed power to support commissioning.</p>

**[ATTACHMENT L WILL BE REVISED TO REFLECT  
THE RESULTS OF IRS]**

ATTACHMENT L  
REPORTING MILESTONES

**[For Developer Interconnection Build]**

<b>Reporting Milestone Date</b>	<b>Description of Each Reporting Milestone</b>
[Date]	Subscriber Organization shall provide Company with a redacted copy of the executed Facility equipment, engineering, procurement and construction (" <u>EPC</u> ") or other general contractor agreements. Under no circumstances shall redactions conceal information that is necessary for Company to verify its rights under the Agreement.
[Date]	Subscriber Organization shall provide Company with redacted copies of executed purchase orders/contracts for the delivery of Facility inverters.
[Date]	Building Permit: Subscriber Organization or Subscriber Organization's EPC contractor shall obtain building permit.
[Date]	Construction Start Date (defined as the start of civil work on Site).
[Date]	Subscriber Organization shall have laid the foundation for all Facility buildings, generating facilities and step-up transformer facilities.
[Date]	All inverters for the Facility shall have been installed at the Site.
[Date]	The step-up transformer shall have been installed at the Site.

ATTACHMENT M  
FORM OF LETTER OF CREDIT

Page 1 of 2

**[Bank Letterhead]**

**[Date]**

**Beneficiary: Maui Electric Company, Limited**

**[Address]**

**[Bank's Name]**

**[Bank's Address]**

Re: **[Irrevocable Standby Letter of Credit Number]**

Ladies and Gentlemen:

We hereby establish, in your favor, our irrevocable standby Letter of Credit Number \_\_\_\_\_ (this "Letter of Credit") for the account of **[Applicant's Name]** and **[Applicant's Address]** in the initial amount of \$\_\_\_\_\_ **[dollar value]** and authorize you, Maui Electric Company, Limited ("Beneficiary"), to draw at sight on **[Bank's Name]**.

Subject to the terms and conditions hereof, this Letter of Credit secures **[Project Entity Name]**'s certain obligations to Beneficiary under the Power Purchase Agreement dated as of \_\_\_\_\_ between **[Project Entity Name]** and Beneficiary.

This Letter of Credit is issued with respect to the following obligations:\_\_\_\_\_.

This Letter of Credit may be drawn upon under the terms and conditions set forth herein, including any documentation that must be delivered with any drawing request.

Partial draws of this Letter of Credit are permitted. This Letter of Credit is not transferable. Drafts on us at sight shall be accompanied by a Beneficiary's signed statement signed by a representative of Beneficiary as follows:

The undersigned hereby certifies that (i) I am duly authorized to execute this document on behalf of Maui Electric Company, Limited and [(ii) the amount of the

draft accompanying this certification is due and owing to Maui Electric Company, Limited under the terms of the Power Purchase Agreement dated as of \_\_\_\_\_, between \_\_\_\_\_, and Maui Electric Company, Limited][(ii) the Letter of Credit will expire in less than thirty (30) days, it has not been replaced or extended and collateral is still required under Section \_\_\_\_\_ of the Power Purchase Agreement\*].

Such drafts must bear the clause "**Drawn under [Bank's Name and Letter of Credit Number \_\_\_\_\_ and date of Letter of Credit.]**"

All demands for payment shall be made by presentation of originals or copies of documents, by facsimile transmission of documents to **[Bank Fax Number]** or other such number as specified from time to time by the bank, or by email transmission of documents to **[Bank Email Address]** or other such email address as specified from time to time by the bank. If presentation is made by facsimile transmission, you may contact us at **[Bank Phone Number]** to confirm our receipt of the transmission. Your failure to seek such a telephone confirmation does not affect our obligation to honor such a presentation. If presented by facsimile or email, original documents are not required.

This letter of credit shall expire one year from the date hereof. Notwithstanding the foregoing, however, this letter of credit shall be automatically extended (without amendment of any other term and without the need for any action on the part of the undersigned or Beneficiary) for one year from the initial expiration date and each future expiration date unless we notify you and Applicant in writing at least thirty (30) days prior to any such expiration date that this letter of credit will not be so extended. Any such notice shall be delivered by registered or certified mail, or by FedEx, both to:

Beneficiary at:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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\* For draw relating to lapse of Letter of Credit while credit support is still required pursuant to the Power Purchase Agreement.

and to

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

And to Applicant at:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

We hereby agree with drawers that drafts and documents as specified above will be duly honored upon presentation to **[Bank's Name]** and **[Bank's Address]** if presented on or before the then-current expiration date hereof.

Payment of any amount under this Letter of Credit by **[Bank]** shall be made as the Beneficiary shall instruct on the next Business Day after the date the **[Bank]** receives all documentation required hereunder, in immediately available funds on such date. As used in this Letter of Credit, the term "Business Day" shall mean any day other than a Saturday or Sunday or any other day on which banks in the State of **[Note - insert State of bank's location]** are authorized or required by law to be closed.

Unless otherwise expressly stated herein, this irrevocable standby letter of credit is issued subject to the rules of the International Standby Practices, International Chamber of Commerce publication no. 590 ("ISP98").

**[Bank's Name]:**

By: \_\_\_\_\_  
**[Authorized Signature]**

ATTACHMENT N  
ACCEPTANCE TEST GENERAL CRITERIA

**[THIS ATTACHMENT WILL NEED TO BE MODIFIED  
BASED ON THE RESULTS OF THE IRS]**

Upon final completion of Company review of the Facility's drawings, final test criteria and procedures shall be agreed upon by Company and Subscriber Organization no later than thirty (30) Days prior to conducting the Acceptance Test in accordance with the Agreement. The Acceptance Test shall include, but not be limited to, the following:

1. Interconnection.

- (a) A visual inspection of all interconnection equipment and verification of as-built drawings.
- (b) Phase rotation testing to verify proper phase connections.
- (c) Based on manufacturer's specification, test the local operation of the Facility's generator breaker(s) and inter-tie breaker(s), and other breaker(s) which connect the Facility equipment to Company System - must open and close locally using the local controls remotely from Company's EMS. Test and ensure that the status shown on the EMS is the same as the actual physical status in the field.
- (d) Relay test engineers to connect equipment and simulate certain inputs to test and ensure that the protection schemes such as any under/over frequency and under/over voltage protection or the Direct Transfer Trip operate as designed. (For example, a fault condition may be simulated to confirm that the breaker opens to sufficiently clear the fault. Additional scenarios may be tested and would be outlined in the final test criteria and procedures.) Subscriber Organization to also test the synchronizing mechanisms to which the Facility would be synchronizing and closing into the Company System to ensure correct operation. Other relaying also to be tested as specified in the protection review of the IRS and on the single line diagram, Attachment E (Single-Line Drawing and Interface Block Diagram) for the Facility.



- (e) All 69 kV breaker disconnects and other high voltage switches will be inspected to ensure they are properly aligned and operated manually or automatically (if designed).
- (f) Step-Up Transformer Enclosure(s) inspections - The Step-Up Transformer Enclosure(s) may be inspected to test and ensure that the equipment that Subscriber Organization has installed is installed and operating correctly based upon agreed to design. Wiring may be field verified on a sample basis against the wiring diagrams to ensure that the installed equipment is wired properly. The grounding mat at the Step-Up Transformer Enclosure(s) may be tested to make sure there is adequate grounding of equipment.
- (g) Communication testing - Communication System testing to occur to ensure correct operation. Detailed scope of testing will be agreed by Company and Subscriber Organization to reflect installed systems and communication paths that tie the Facility to Company's communications system.
- (h) Various contingency scenarios to be tested to ensure adequate operation, including testing contingencies such as loss of communications, and fault simulations to ensure that the Facility's 69 kV breakers, if any, open as they are designed to open. (Back up relay testing)
- (i) Metering section inspection; verification of metering PTs, CTs, and cabinet and the installation of the two Company meters.

2. Telephone Communication.

- (a) Test to confirm Company has a direct line to the Facility control room at all times and that it is programmed correctly.
- (b) Test to confirm that the Facility operators can sufficiently reach Company System Operator.
- (c) Verification of dial-up telephone connection for 69 kV metering cabinet.

3. Drawings, Documentation and Equipment Warranties.

The items below are required components of the Acceptance Test and must be satisfied for successful completion of this test.

- (a) Electronic and three (3) hard copies of all switchyard construction drawings, specifications, calibrations, and settings including as-built drawings.
- (b) Equipment operating and maintenance manuals, spare parts lists, commissioning notes, as-built equipment settings, and other information related to the switchyard equipment.
- (c) Contractor construction warranties and equipment warranties.
- (d) Phase rotation testing to verify proper phase connections.
- (e) Switching Station inspections - The Switching Station may be inspected to test and ensure that the equipment that Subscriber Organization has installed is installed and operating correctly based upon agreed-to design. Wiring may be field verified on a sample basis against the wiring diagrams to ensure that the installed equipment is wired properly. The grounding mat at the Switching Station may be tested to make sure there is adequate grounding of equipment.

If agreed by the Parties in writing, some requirements may be postponed to the Control Systems Acceptance Test.

ATTACHMENT O  
CONTROL SYSTEM ACCEPTANCE TEST CRITERIA

**[THIS ATTACHMENT WILL NEED TO BE MODIFIED BASED ON THE RESULTS OF  
THE IRS]**

- a. The Acceptance Test for the Facility will be conducted, following installation of the Facility. The Acceptance Test procedures will be in accordance with criteria set forth herein. The Acceptance Test shall be performed in accordance with Good Engineering and Operating Practices and demonstrate to Company's satisfaction that the Facility and the interconnection portion of the Facility, including Company-Owned Interconnection Facilities, have met the provisions of Article 8 (Company Dispatch) and Section 3 (Performance Standards) of Attachment B (Facility Owned by Subscriber Organization).
- b. Acceptance Test procedures will be developed by Company for the Subscriber Organization's review at least sixty (60) Days in advance of performing the tests based on the date provided by Company.
- c. The procedures will include, but not be limited to, demonstration of the functional requirements of the Facility defined in Article 8 (Company Dispatch) and Section 3 (Performance Standards) of Attachment B (Facility Owned by Subscriber Organization) such as, but not limited to:
  - i. Interconnection equipment and communications to support remote monitoring of the Facility and control of Facility breakers
  - ii. Droop characteristic and change of frequency control / response modes (if applicable)
  - iii. Real power delivery under remote Company Dispatch, Active Power Dispatch. For facilities with directly controlled storage, the storage will be operated to perform at least two full charging/discharging cycles.
  - iv. Accurate provision of limits for Minimum and Maximum Dispatch (Power Possible, Minimum load capability)
  - v. Ramp rates for controlled actions

- vi. Control of Facility breakers
- vii. Voltage regulation
- vii. Grid forming and Black start (if applicable)
- viii. BESS Capacity Test and demonstration of the round trip efficiency of the BESS, each as described in Attachment W (Capacity Tests)
- d. Testing of primary and redundant communications between Company System Operator and Facility Operator
- e. The actual dynamic response of the Facility equipment will be confirmed to allow Company transient stability model to reflect the as-left conditions of the unit. During the commissioning the following will be required:
  - i. A final review by Company engineers of the equipment installed to control the operation and protect the plant will be needed upon installation and prior to the start of commercial operation.
  - ii. The review will include off-line tuning and testing results of the excitation and governor control and/or control system and the IEEE block diagram utilized for the PSS/E dynamics program.
  - iii. During the commissioning of the actual Facility, equipment system testing will be conducted to ensure that similar, well damped, expected responses will be produced by the facility. The as-left parameters obtained from real and reactive local response tuning will be determined for use in the Company planning model. The Subscriber Organization will provide an estimate of the earliest date for the Acceptance Test at least ninety (90) Days before the date.
- f. The Acceptance Test procedures for the Facility will be mutually agreed upon between Subscriber Organization and Company prior to conducting the test.
- g. When the Facility is ready for the Acceptance Test, Subscriber Organization shall notify Company at least seven (7) Days prior to the test and shall coordinate with Company. Subscriber Organization shall perform and Company shall

monitor such test no earlier than seven (7) Days from Company's receipt of such notice.

- h. The Control Acceptance Test is to be successfully completed prior to the Commercial Operation Date.

Examples of the type of tests conducted to meet the aforementioned objectives may include, but are not limited to the following:

On-site Tests:

1. SCADA Test to verify the status and analog telemetry, and if the remote controls between the Company's EMS and the Facility are working properly end-to-end.
2. Dispatch Test to verify if the Facility's active power limit controls and the Active Power Control Interface with the Company's EMS are working properly. The Test is generally conducted by setting different active power setpoints and limits and observing the proper dispatch at the appropriate ramp rate limiting of the Facility's real power output.
3. Control Test for Voltage Regulation to verify the Facility can properly perform automatic voltage regulation as defined in this Agreement. Test is generally conducted by making small adjustments of the voltage setpoint and verifying by observation that the Facility regulates the voltage at the point of regulation to the setpoint by delivering/receiving reactive power to/from the Company System to maintain the applicable setpoint according to the reactive power control and the reactive amount requirements of Sections 3(a) (Reactive Power Control) and Section 3(b) (Reactive Power Characteristics) of Attachment B (Facility Owned by Subscriber Organization) to this Agreement.
4. Frequency Response Test to verify the Facility provides a frequency droop response as defined in this Agreement. Test is generally conducted by making adjustments of the frequency reference setting and verifying by observation that the Facility responds per droop and deadband settings, and appropriately modifies the Company issued Dispatch Setpoint. If different modes of frequency response are provided, each mode is tested (i.e.; isochronous, fast frequency response, active power droop response).
5. Loss-of-Communication Test to verify the Facility will properly shutdown upon the failure of the direct-transfer-

trip communication system. Test is generally conducted by simulating a communications failure and observing the proper shutdown of the Facility. [If DTT required for the Project]

6. Round trip efficiency test, as described in Attachment W (Capacity Tests) to verify that the round trip efficiency of the BESS is not less than [\_\_\_\_\_] percent ([\_\_\_\_\_]%).  
**[DRAFTING NOTE: The round trip efficiency percentage will be taken from Subscriber Organization's response to the RFP.]**
7. BESS Capacity Test to verify the BESS Capacity Ratio.

Monitoring Test:

- a) The monitoring test requires the Facility to operate as it would in normal operations.
- b) To ensure useful and valid test data is collected for variable facilities, the monitoring test shall end when one of the following criteria is met:
  - A. For variable energy resources, Facility's gross power production is greater than 85% of its Allowed Capacity, for at least four (4) hours in any continuous 24-hour CSAT period.
  - B. For solar facilities, the recorded renewable energy resource at the Facility is above 600 W/m<sup>2</sup> for at least eight (8) hours in any continuous 48-hour CSAT period.
  - C. For wind facilities, the recorded wind speed is sufficient for turbines to operate for at least 8 hours in any continuous 48-hour CSAT period.
  - D. 14 continuous Days from the start of the CSAT.
- c) At the end of the test, an evaluation period is selected based on the criteria that triggered the end of the test.
- d) The performance of the Facility during the period of the successfully completed monitoring test is evaluated for, e.g., voltage regulation, frequency response, dispatch control, operating limits and ramp rate performance, to verify the performance meets the requirements of this Agreement according to the criteria set forth in the testing procedures. Certain requirements, such as disturbance ride-through requirements, cannot be adequately tested without actual grid disturbances. These requirements will be confirmed following a grid event based on operational data, which may be after the completion of the Acceptance Test. The Parties understand and agree that a successful completion of the test does not constitute a waiver of any of the

performance standards of Subscriber Organization, all of which are hereby reserved, and shall not alleviate Subscriber Organization from any of its obligations under the Agreement, in particular, as required in Article 8 (Company Dispatch) and the Performance Standards in Section 3 (Performance Standards) of Attachment B (Facility Owned by Subscriber Organization).

ATTACHMENT P  
SALE OF FACILITY BY SUBSCRIBER ORGANIZATION

1. Company's Right of First Negotiation Prior to End of the Term.
  - (a) Right of First Negotiation. Commencing as of the Commercial Operations Date, should Subscriber Organization desire to sell, transfer or dispose of its right, title, or interest in the Facility, in whole or in part, including a Change in Control (as defined below), then, other than through an "Exempt Sale" (as defined below):
    - (i) Subscriber Organization shall first offer to sell such interest to Company by providing Company with written notice of the same (the "Offer Notice"), which notice shall identify the proposed purchase price for such interest (including a description of any consideration other than cash that will be accepted) (the "Offer Price") and any other material terms of the intended transaction, and Company may, but shall not be obligated to, purchase such interest at the Offer Price and upon the other material terms and conditions specified in the Offer Notice, and in accordance with the terms and conditions of this Attachment P (Sale of Facility by Subscriber Organization). Subscriber Organization shall provide to Company as part of the Offer Notice, information in its possession regarding the Facility to allow Company to conduct due diligence on the potential purchase, including, but not limited to information on the operational status of the Facility and its components, and the amount of debt or other material Subscriber Organization obligations remaining with respect to the Facility (the Offer Notice and due diligence information on the Facility are collectively referred to as, the "Offer Materials"). Within five (5) Days of Company's receipt of the Offer Materials, if Company believes the due diligence information is incomplete, Company shall specify in writing the additional information Company requires to conduct its due diligence. The date on which Company receives the Offer Materials from Subscriber Organization is referred to hereinafter as the "Offer Date."



- (ii) If Company desires to purchase such interest, Company shall indicate so by delivering to Subscriber Organization a binding, written offer to purchase such interest at the Offer Price and on the terms and conditions specified in the Offer Notice within thirty (30) Days of the Offer Date (an "Acceptance Notice"). In the event Company timely delivers an Acceptance Notice, Subscriber Organization shall sell and transfer to Company the interest substantially on the terms and conditions contained in the Offer Notice consistent with this Attachment P (Sale of Facility by Subscriber Organization) and in accordance with definitive documentation to be entered into between Subscriber Organization and Company. The Parties shall have sixty (60) Days from the Company's Acceptance Notice, or such other extended timeframe as agreed to by the Parties in writing, to negotiate in good faith, the terms and conditions of a purchase and sale agreement. The period beginning with the Offer Date and ending with such sixty (60) Day period (as may be extended as aforesaid) is referred to as the "Right of First Negotiation Period".
- (iii) Subscriber Organization shall not solicit any offers for the sale of such interest to any other party during the Right of First Negotiation Period unless, during that period, Company provides Subscriber Organization with written notice that Company no longer desires to purchase such interest, whereupon negotiations shall terminate.
- (iv) In the event that (A) Company fails to timely deliver an Acceptance Notice, (B) Company delivers a notice to Subscriber Organization that it no longer desires to purchase the interest, or (C) the Parties are not able to execute a purchase and sale agreement within the 60-Day period set forth in Section 1(a)(ii) of this Attachment P (Sale of Facility by Subscriber Organization), Subscriber Organization may for a period of two hundred seventy (270) Days following the event specified in subsection (A), (B) or (C) above, commence solicitation of offers and negotiations from and with other parties for the sale of such interest. If the interest is not transferred to a purchaser

or purchasers for any reason within the two hundred seventy (270) Day period, the interest may only be transferred by again complying with the procedures set forth in this Section 1(a) (Right of First Negotiation) of Attachment P (Sale of Facility by Subscriber Organization); provided, however, if Subscriber Organization and the prospective purchaser have entered into definitive agreement(s) for the sale of the interest that was reasonably expected to close within such two hundred seventy (270) Day period and such agreement(s) remain in full force and effect between Subscriber Organization and such prospective purchaser and are subject to conditions precedent that are expected to be satisfied within a reasonable period, the two hundred seventy (270) Day period shall be extended as to such agreement(s) and such prospective purchaser for up to one hundred eighty (180) additional Days or, if sooner, until such date that such agreement(s) have been terminated, cancelled or otherwise become no longer in full force and effect.

(v) After expiration of the Right of First Negotiation Period, Company will not be precluded from providing offers or proposals to Subscriber Organization along with other prospective purchasers in accordance with any offer or bid procedures established by Subscriber Organization in its discretion.

(b) Change in Ownership Interests and Control of Subscriber Organization. Commencing as of the Commercial Operations Date, the Right of First Negotiation shall also be triggered by a transfer or sale of an ownership interest in Subscriber Organization (whether in a single transaction or a series of related or unrelated transactions) following which **[Note - insert parent entity]** or an entity controlled by **[parent entity]** is no longer a direct or indirect owner of at least fifty-one percent (51%) of the equity interest or voting control of Subscriber Organization (excluding any equity interest or voting control of Subscriber Organization held by a tax equity investor or for Financing Purposes (as defined below)) (such transfer of ownership interest and change in control collectively referred to as a "Change in Control"); provided, however that a transfer

or sale whereby **[parent entity]** retains the possession, directly or indirectly, or the power to direct or cause the direction of the management and policies of Subscriber Organization, whether through ownership, by contract, or otherwise, shall not be deemed a Change in Control.

- (c) Exempt Sales. Exempt Sales shall not trigger a Right of First Negotiation and shall not require the consent of Company. As used herein, "Exempt Sales" means: (i) a change in ownership of the Facility or equity interests in Subscriber Organization resulting from the direct or indirect transfer or assignment by or of Subscriber Organization in connection with financing or refinancing of the Facility ("Financing Purposes"), including, without limitation, any exercise of rights or remedies (including foreclosure) with respect to Subscriber Organization's right, title, or interest in the Facility or equity interests in Subscriber Organization undertaken by any financing party in accordance with applicable financing documents, and including, without limitation, (x) a sale and leaseback of the Facility, (y) an inverted lease, (z) a sale or transfer of equity in Subscriber Organization to facilitate a tax credit financing (including any partnership "flip" transaction), (ii) a disposition of equipment in the ordinary course of operating and maintaining the Facility, (iii) a sale that does not result in a Change in Control, and (iv) a sale or transfer of any interest in Subscriber Organization or the Facility to one or more companies directly or indirectly controlling, controlled by or under common control with Subscriber Organization.
- (d) Subscriber Organization's Right to Transfer. The provisions of this Section 1(d) (Subscriber Organization's Right to Transfer) shall apply (i) from the Execution Date through the Commercial Operations Date and (ii) from the Commercial Operations Date in the event that Company does not consummate a purchase pursuant to its exercise of the Right of First Negotiation in accordance with the terms and conditions of this Attachment P (Sale of Facility by Subscriber Organization). In such circumstances, Subscriber Organization shall, subject to the prior written consent of Company, which consent shall not be unreasonably withheld, conditioned or delayed, have the right to

transfer or sell the Facility to any person or entity which proposes to acquire the Facility with the intent to continue the operation of the Facility in accordance with the provisions of this Agreement pursuant to an assignment of this Agreement. Company shall consent to the assignment of this Agreement to such prospective purchaser upon receiving documentation from Subscriber Organization establishing, to Company's reasonable satisfaction, that the assignee (i) has a tangible net worth of \$100,000,000 or a credit rating of "BBB-" or better and has the ability to perform its financial obligations hereunder (or provides a guaranty from an entity that meets this description) in a manner consistent with the terms and conditions of this Agreement; and (ii) has experience in the ownership and at least five (5) years of experience in the operation (or contracts with an entity that has at least five (5) years of experience in the operation) of power generation and BESS facilities; provided, however, that Company shall be deemed to have consented to the assignment if, within ten (10) Business Days of receiving from Subscriber Organization the documentation establishing that the assignee meets all the foregoing criteria, Company does not either (y) deliver the required consent to Subscriber Organization, or (z) notify Subscriber Organization which of the foregoing criteria is not established by such documentation. Notwithstanding the foregoing, Company consent shall not be required for any Exempt Sale.

- (e) Purchase and Sale Agreement and PUC Approval. In the event that Company exercises its Right of First Negotiation under Section 1(a) (Right of First Negotiation) of this Attachment P (Sale of Facility by Subscriber Organization) and the Parties conclude a purchase and sale agreement, such agreement shall contain, at a minimum, the terms set forth in Section 4 (Purchase and Sale Agreement) of this Attachment P (Sale of Facility by Subscriber Organization), and such agreement shall be subject to PUC Approval as provided in Section 5 (PUC Approval) of this Attachment P (Sale of Facility by Subscriber Organization).
- (f) Right of First Refusal. In the event the Parties fail to agree upon a sale of the Facility or an interest in the Facility to Company prior to the expiration of the Right of First Negotiation Period, the provisions of

this Section 1(f) (Right of First Refusal) of this Attachment P (Sale of Facility by Subscriber Organization) shall apply if (i) Subscriber Organization thereafter offers to sell the Facility to a third party for less than (as applicable) the final amount Company had offered to purchase the Facility or (ii) an ownership interest in the Facility that would result in a Change in Control is offered for sale to a third party that is less than the proportionate share of (as applicable) the final amount Company had offered to purchase the Facility. (By way of example, if the final amount offered by Company to purchase the Facility was \$100, and the ownership interest being offered for sale is 75%, the "proportionate share" is \$75, such that an offer to sell such ownership interest for less than \$75 would trigger this Section 1(f) (Right of First Refusal) of this Attachment P (Sale of Facility by Subscriber Organization).) Subscriber Organization shall notify Company in writing of an offer that triggers this Section 1(f) (Right of First Refusal) of this Attachment P (Sale of Facility by Subscriber Organization) and Company shall have the right to purchase the Facility for the amount of such offer on similar terms and conditions consistent with this Attachment P (Sale of Facility by Subscriber Organization) and subject to PUC Approval; provided, that Company shall have one (1) month in which to notify Subscriber Organization of its intent to exercise this right. If the offer of which Subscriber Organization notifies Company as aforesaid is an offer to sell the Facility, Company shall have the right to purchase the Facility for the amount of such offer on similar terms and conditions. If the offer of which Subscriber Organization notifies Company as aforesaid is an offer to sell an ownership interest that could result in a Change in Control, Company shall have the right to purchase the Facility by a price that is proportionate to the amount at which such ownership interest was offered on the terms and conditions to be negotiated by the Parties on the basis of Section 4 (Purchase and Sale Agreement) of this Attachment P (Sale of Facility by Subscriber Organization), and otherwise consistent with this Attachment P (Sale of Facility by Subscriber Organization). (By way of example, if a 75% ownership Interest is being offered for sale at \$75, the proportionate amount at which Company shall have the right to purchase the Facility would be \$100.)

2. Company's Right of First Negotiation to Purchase at End of Term.

- (a) Option of Exclusive Negotiation Period. Company shall have the option of an exclusive negotiation period to negotiate a purchase of the Facility on the last Day of the Term, and all rights of Subscriber Organization therein or relating thereto. Company shall indicate its preliminary interest in exercising the option for exclusive negotiation by delivering to Subscriber Organization a notice of its preliminary interest not less than two (2) years prior to the last Day of the Term. If Company fails to deliver such notice by such date, Company's option shall terminate.
- (b) Negotiations. Once Company has given such notice of preliminary interest to Subscriber Organization, for a period not to exceed three (3) months, Company shall have the exclusive right to negotiate in good faith with Subscriber Organization, the terms of a purchase and sale agreement pursuant to which Company may purchase the Facility, which purchase and sale agreement shall include, without limitation, the terms set forth in Section 4 (Purchase and Sale Agreement) of this Attachment P (Sale of Facility by Subscriber Organization) and a price equal to the Offer Price as presented by Subscriber Organization in accordance with the procedures identified in Section 1(a)(i) through (v) of this Attachment P (Sale of Facility by Subscriber Organization). The Parties may agree in writing to extend this period for negotiations. (Such period, as extended as aforesaid, is referred to herein as the "Exclusive Negotiation Period.") Subscriber Organization shall not solicit any offers or negotiate the terms for the sale of the Facility with any other entity during the Exclusive Negotiation Period, unless, during the Exclusive Negotiation Period, Company gives written notice that such negotiations are terminated.
- (c) Purchase and Sale Agreement and PUC Approval. In the event that Company exercises its right of exclusive negotiation under Section 2(a) (Option of Exclusive Negotiation Period) of this Attachment P (Sale of Facility by Subscriber Organization) and the Parties

conclude a purchase and sale agreement pursuant to Section 2(b) (Negotiations) of this Attachment P (Sale of Facility by Subscriber Organization), such agreement shall contain, at a minimum, the terms set forth in Section 4 (Purchase and Sale Agreement) of this Attachment P (Sale of Facility by Subscriber Organization), and such agreement shall be subject to PUC Approval as provided in Section 5 (PUC Approval) of this Attachment P (Sale of Facility by Subscriber Organization).

- (d) Right of First Refusal. In the event the Parties fail to agree upon a sale of the Facility to Company prior to the expiration of the Exclusive Negotiation Period provided in Section 2(b) (Negotiations) of this Attachment P (Sale of Facility by Subscriber Organization), and Subscriber Organization thereafter offers to sell the Facility to a third party for less than the final amount Company had offered to purchase the Facility, Subscriber Organization shall notify Company in writing of such offer and Company shall have the right to purchase the Facility for the amount of such offer and on no less favorable terms and conditions consistent with this Attachment P (Sale of Facility by Subscriber Organization) and subject to PUC Approval; provided, however, that Company shall have one (1) month in which to notify Subscriber Organization of its intent to exercise this right. The Right of First Refusal shall not apply to any offer to purchase the Facility received from a third party more than twelve (12) months after the end of the Term.

3. Procedure to Determine Fair Market Value of the Facility.

- (a) If the Parties have agreed to effectuate a sale of the Facility pursuant to Section 24.5 (Consolidation) and are unable to agree on the fair market value of the Facility, each of Company and Subscriber Organization shall engage the services of an independent appraiser experienced in appraising power generation assets similar to the Facility to determine separately the fair market value of the Facility. Subject to the appraisers' execution and delivery to Subscriber Organization of a suitable confidentiality agreement in

form reasonably acceptable to Subscriber Organization, Subscriber Organization shall provide both appraisers full access to the books, records and other information related to the Facility required to conduct such appraisal. Company shall pay all reasonable fees and costs of both appraisers, subject to Section 3(c) of this Attachment P (Sale of Facility by Subscriber Organization). Each of Company and Subscriber Organization shall use reasonable efforts to cause its appraisal to be completed within two (2) months following the engagement of the independent appraisers. If for any reason (other than failure by Subscriber Organization to provide full access to Company's appraiser) one of the appraisals is not completed within such two (2) month period, the results of the other, completed appraisal shall be deemed to be the Appraised Fair Market Value of the Facility. Each Party may provide to both appraisers (with copies to each other) a list of factors which the Parties suggest be taken into consideration when the appraisers generate their appraisals.

- (b) Company and Subscriber Organization shall exchange the results of their respective appraisals when completed and, in connection therewith, the Parties and their appraisers shall confer in an attempt to agree upon the fair market value of the Facility.
- (c) If, within thirty (30) Days after completion of both appraisals, the Parties cannot agree on a fair market value for the Facility, within ten (10) Days thereafter, the first two appraisers shall by mutual consent choose a third independent appraiser. If the first two appraisers fail to agree upon a third appraiser, such appointment shall be made by DPR upon application of either Party. The Parties shall direct the third appraiser (i) to select one of the appraisals generated by the first two appraisers as the Appraised Fair Market Value of the Facility (without compromise, aka "baseball" arbitration), and (ii) to complete his or her work within one month following his or her retention. If the third appraiser selects the appraisal originally generated by Subscriber Organization's appraiser, Company shall pay the fees and costs of the third



appraiser. If the third appraiser selects the appraisal originally generated by Company's appraiser, Subscriber Organization shall pay the fees and costs of the third appraiser and shall pay or reimburse Company for the costs of Subscriber Organization's original appraiser.

(d) The "Appraised Fair Market Value of the Facility" means the fair market value determined by appraisal pursuant to Section 3(a) or Section 3(c) of this Attachment P (Sale of Facility by Subscriber Organization) as applicable.

4. Purchase and Sale Agreement. The purchase and sale agreement ("PSA") concluded by the Parties pursuant to this Attachment P (Sale of Facility by Subscriber Organization) (as applicable) shall contain, among other provisions, the following:

- (a) Subscriber Organization shall, as of the closing of the sale, convey title to the Facility consistent with the state of title in existence as of the date of execution of the PSA, including all rights of Subscriber Organization in the Facility or relating thereto, free and clear of all liens, claims, encumbrances, or rights of others, except any Permitted Lien;
- (b) To the extent assignable or transferrable, Subscriber Organization shall assign or transfer to Company all of Subscriber Organization's interest in all Project Documents and Governmental Approvals that are then in effect and that are utilized for the operation or maintenance of the Facility;
- (c) Subscriber Organization shall execute and deliver to Company such deeds, bills of sale, assignments and other documentation as Company may reasonably request to convey title to the Facility consistent with the state of title in existence as of the date of execution of the PSA, free from all liens, claims, encumbrances, or rights of others, except any Permitted Lien;
- (d) Subscriber Organization shall cause all liens on the Facility for monies owed (including liens arising from Financing Documents), and any liens in favor of Subscriber Organization's affiliates, to be released prior to closing on the sale of the Facility to Company;

- (e) Subscriber Organization shall warrant, as of the date of the closing of the sale of the Facility to Company, title to the Facility consistent with the state of title in existence as of the date of execution of the PSA, is free and clear of all other liens, claims, encumbrances and rights of others, except any Permitted Lien;
- (f) Company shall have no liability for damages (including without limitation, any development and/or investment losses, liabilities or damages, and other liabilities to third parties) incurred by Subscriber Organization on account of Company's purchase of the Facility, nor any other obligation to Subscriber Organization except for the purchase price, and Subscriber Organization shall indemnify Company against any such losses, liabilities or damages;
- (g) Company shall assume all of Subscriber Organization's obligations with respect to the Facility accruing from and after the date of closing on the sale of the Facility to Company, including (i) to the extent assignable, all Permits held by, for, or related to the Facility, and (ii) all of Subscriber Organization's agreements with respect to the Facility provided to and approved by Company at least thirty (30) Days prior to the date of closing on the sale of the Facility to Company, except for such agreements Company has elected to terminate, in which case any related termination expenses shall be, at Company's option, paid directly by Company and deducted from the purchase price;
- (h) Subscriber Organization shall indemnify Company against all of Subscriber Organization's obligations with respect to the Facility accruing through the date of closing the sale of the Facility to Company, and Company shall indemnify Subscriber Organization against all of Company's obligations with respect to the Facility accruing from and after the date of closing on the sale of the Facility to Company;
- (i) Unless otherwise agreed to by the Parties, Subscriber Organization makes no representations or warranties with respect to the condition of the Facility, and Company shall purchase the Facility on an as-is basis;
- (j) Subscriber Organization shall warrant that, except as disclosed to and approved by Company in writing at least

thirty (30) Days prior to the date of closing on the sale of the Facility to Company, the Facility has been operated by Subscriber Organization in conformity with all Laws;

- (k) Subscriber Organization shall warrant that Subscriber Organization provided full access to Company and each appraiser in connection with the procedure to determine fair market value provided in Section 3 (Procedure to Determine Fair Market Value of the Facility) of this Attachment P (Sale of Facility by Subscriber Organization);
- (l) If applicable, Subscriber Organization's lease of the Site from Company will terminate and Subscriber Organization will relinquish all rights, privileges and obligations relating to such lease; and
- (m) Subscriber Organization shall maintain the Facility in accordance with Good Engineering and Operating Practices between appraisal and the closing date.

As used in this Attachment P (Sale of Facility by Subscriber Organization), "Permitted Lien" shall mean (i) any lien for taxes not yet due or delinquent or being contested in good faith by appropriate proceedings, (ii) any lien arising in the ordinary course of business by operation of applicable Laws with respect to a liability not yet due or delinquent or that is being contested in good faith, (iii) all matters that are disclosed (whether or not subsequently deleted or endorsed over) on any survey, in the title policies insuring any Land Rights or in any title commitments, title reports or other title materials, (iv) any matters that would be disclosed by a complete and correct survey of the Property, (v) zoning, planning, and other similar limitations and restrictions, and all rights of any Governmental Authority to regulate the Site and/or the Facility, (vi) all matters of record, (vii) any lien that is released on or prior to closing of the sale of the Facility to Company, (viii) statutory or common law liens in favor of carriers, warehousemen, mechanics and materialmen, and statutory or common law liens to secure claims for labor, materials or supplies arising in the ordinary course of business which are not delinquent, and (ix) the matters agreed by the Parties, to the extent that such Permitted Liens are taken into account at arriving at the appraised value.

5. PUC Approval. Any purchase and sale agreement related to the Facility entered into by the Parties is subject to approval by the PUC and the Parties' respective obligations thereunder are conditioned upon receipt of such approval, except as specifically provided otherwise therein.
- (a) Company shall submit the purchase and sale agreement to the PUC for approval within thirty (30) Days after execution by both Parties, but Company does not extend any assurances that PUC approval will be obtained. Subscriber Organization will provide reasonable cooperation to expedite obtaining an approval order from the PUC, including providing information requested by the PUC and parties to the PUC proceeding in which approval is being sought. Subscriber Organization understands that lack of cooperation may result in Company's inability to file an application with the PUC and/or failure to receive PUC approval. Unless otherwise agreed to in writing by the Parties, neither Company nor Subscriber Organization shall seek reconsideration, appeal, or other administrative or judicial review of any unfavorable PUC order. The Parties agree that neither Party has control over whether or not a PUC approval order will be issued and each Party hereby assumes any and all risk arising from, or relating in any way to, the inability to obtain a satisfactory PUC order and hereby releases the other Party from any and all claims relating thereto.
- (b) Subscriber Organization shall seek participation without intervention in the PUC docket for approval of the purchase and sale agreement pursuant to applicable rules and orders of the PUC. The scope of Subscriber Organization's participation shall be determined by the PUC. However, Subscriber Organization expressly agrees to seek participation for the limited purpose and only to the extent necessary to assist the PUC in making an informed decision regarding the approval of the purchase and sale agreement. If the Subscriber Organization chooses not to seek participation in the docket, then Subscriber Organization expressly agrees and knowingly waives the right to claim, before the PUC, in any court, arbitration or other proceeding, that the information submitted and the application requesting the PUC approval are insufficient to meet Company's burden of justifying that the terms of the purchase and sale agreement are just and reasonable and in the public

interest, or otherwise deficient in any manner for purposes of supporting the PUC's approval of the purchase and sale agreement. Subscriber Organization shall not seek in the docket and Company shall not disclose any confidential information to Subscriber Organization that would provide Subscriber Organization with an unfair business advantage or would otherwise harm the position of others with respect to their ability to compete on equal and fair terms.

- (c) In order to constitute an approval order from the PUC under this Section 5 (PUC Approval) of this Attachment P (Sale of Facility by Subscriber Organization), the order must approve the purchase and sale agreement, Company's funding arrangements and Company's acquisition of the Facility, shall not contain any terms and conditions deemed to be unacceptable by Company, and be in a form deemed reasonable by Company in its sole, but non-arbitrary, discretion.
- (d) The Final Non-Appealable Order from the PUC must be obtained within six (6) months of the submission of the purchase and sale agreement to the PUC, or any extension of such period as agreed by the Parties in writing within ten (10) Days of the expiration of the six (6) month period; provided, however, that if the purchase and sale agreement governs a sale of the Facility executed pursuant to Section 24.5 (Consolidation) of this Agreement, the Final Non-Appealable Order must be obtained within twelve (12) months of the submission of the purchase and agreement to the PUC, or any extension of such period as agreed by the Parties in writing within ten (10) Days of the expiration of the twelve (12) month period. The term "Final Non-appealable Order from the PUC" means an Approval Order from the PUC (i) that is not subject to appeal to any Circuit Court of the State of Hawai'i, Intermediate Court of Appeals of the State of Hawai'i, or the Supreme Court of the State of Hawai'i, because the period permitted for such an appeal has passed without the filing of notice of such an appeal, or (ii) that was affirmed on appeal to any Circuit Court of the State of Hawai'i, Intermediate Court of Appeals of the State of Hawai'i, or the Supreme Court of the State of Hawai'i, or was affirmed upon further appeal or appellate process, and that is not subject to further appeal, because the jurisdictional time permitted for such an appeal and/or further

appellate process such as a motion for reconsideration or an application for writ of certiorari has passed without the filing of notice of such an appeal or the filing for further appellate process. Such Final Non-Appealable Order from the PUC shall constitute and be referred to as "PUC Approval" for purposes of this Attachment P (Sale of Facility by Subscriber Organization).

- (e) If a Final Non-Appealable Order from the PUC has not been obtained prior to the deadline provided in Section 5(b) of this Attachment P (Sale of Facility by Subscriber Organization), either Party may give written notice to the other Party that it does not wish to proceed further with a sale of the Facility to Company.
  - (f) If the Final Non-appealable Order from the PUC does not satisfy the conditions set forth in Section 5(a) of this Attachment P (Sale of Facility by Subscriber Organization), either (i) the Parties may agree to renegotiate and submit a revised purchase and sale agreement to the PUC, or (ii) either Party may give written notice to the other Party that it does not wish to proceed further with a sale of the Facility to Company.
6. Make Whole Amount. For purposes of Section 24.5 (Consolidation), the "Make Whole Amount" shall be equal to the sum of the following: (a) Subscriber Organization's book value (including depreciation on a twenty-five (25) year straight line basis) of all actual verifiable costs of studies, designs, engineering, and construction of the Facility and all Interconnection Facilities (including any Company-Owned Interconnection Facilities paid for by Subscriber Organization), including cancellation charges and other costs of unwinding construction and demobilization if the determination is made prior to the Commercial Operation Date, (b) Subscriber Organization's book value of all actual verifiable costs and expenses acquiring real estate rights for the Facility and Interconnection Facilities, (c) Subscriber Organization's book value of all actual verifiable costs and expenses incurred in obtaining Governmental Approvals, (d) Subscriber Organization's book value of all actual verifiable costs of financing the Facility and the Interconnection Facilities, including fees and expenses of bankers, consultants and counsel, and any discounts or premiums paid in connection with any financing, (e) any

actual verifiable costs of repaying any financing in connection with a sale, including prepayment penalties or premiums, make whole payments, minimum interest payments, breakage fees, payments on account of taxes, duties and other costs, and other costs of unwinding swaps or other hedges, (f) other breakage, make whole or indemnity payments arising as the result of Company's purchase of the Facility, (g) tax costs, including recapture of federal or state tax credits and payment of transfer taxes, and (h) interest on the foregoing amounts at annual rate equal to the Prime Rate plus two percent (2%) as in effect from time to time from the date incurred through the date of payment, with all such costs being demonstrated by Subscriber Organization with support and verified by Company. The items described in clauses (e), (f) and (g) (and clause (h) to the extent applicable to clauses (e), (f) and/or (g)) are referred to as the "Financial Termination Costs".

ATTACHMENT Q  
FACILITY'S CBRE PROGRAM

**[DRAFTING NOTE: THIS ATTACHMENT Q WILL BE COMPLETED BASED ON THE FINAL FORM OF THE PHASE 2 TARIFF.]**

1. CBRE Program. The purpose of the CBRE Program is to facilitate the continued expansion of renewable energy by allowing developers of renewable energy projects to provide Company's retail customers with the opportunity to avail themselves of the benefits of the CBRE Tariff by utilizing CBRE Credits to offset all or a portion of their on-going electricity usage. To this end, Subscriber Organization has established Facility's CBRE Program. Subscriber Organization acknowledges that it has been informed that Facility's CBRE Program must at all times comply with the requirements of the CBRE Program, the CBRE Tariff, the CBRE Framework, guidance from the PUC, guidance from the CBRE IO, and applicable Laws, including (i) the federal securities laws, including the registration requirements under the Securities Act of 1933 and the Securities and Exchange Act of 1934 and all rules and regulations promulgated thereunder (collectively, "Federal Securities Laws"); (ii) the State securities laws, including the registration requirements under the Hawai'i Uniform Securities Act and all rules and regulations promulgated thereunder (collectively, "State Securities Laws"); (iii) Laws concerning the dissemination of personally identifiable information; and (iv) Laws concerning consumer protection. The purpose of this Attachment Q (Facility's CBRE Program) is to set forth certain requirements of the CBRE Program as of the Execution Date. Company reserves the right to modify the requirements of the CBRE Program if Company reasonably concludes that such modifications are necessary to comply with the CBRE Tariff, the CBRE Framework, guidance from the PUC, guidance from the CBRE IO, applicable Laws, and Subscriber Organization shall comply with all such modifications. Without limitation to the generality of the foregoing, in the event of any conflict between the requirements of the CBRE Program, on the one hand, and any one or more of the CBRE Tariff, the CBRE Framework, guidance from the PUC, guidance from the CBRE IO, and/or applicable Laws, on the other hand, the CBRE Tariff, the CBRE Framework, guidance from the PUC, guidance from the CBRE IO, and applicable Laws, shall control and Subscriber Organization shall comply with the CBRE Tariff, the CBRE Framework, guidance from the PUC, guidance from the CBRE IO, and applicable Laws.



2. Termination, Transfer and Buy-back of Subscriber Allocations.  
Termination, transfer and buy-back of Subscriber Allocations shall be governed by the provisions of the CBRE Tariff contingent on whether the Facility's CBRE Program uses the Pay-As-You-Go or Pay-Up-Front model for Subscriber Allocations.
  
3. Additional Representations of Subscriber Organization.  
Subscriber Organization represents, warrants and covenants that:
  - (a) Subscriber Organization shall disclose to each Account Holder before enrolling such Account Holder as a Subscriber:
    - (1) Subscriber Organization's experience in developing and operating renewable energy projects similar to the Facility.
    - (2) The circumstances under which the Lump Sum Payment can be reduced through the OEPR process and the impact of such reduction on Bill Credits.
    - (3) The circumstances under which the Bill Credits can be reduced if Performance Metrics LDs are unpaid by Subscriber Organization.
  - (b) Subscriber Organization shall not knowingly allow the transfer of any Subscriber Allocations at a price other than that set forth in the repurchase/resale price schedule attached to the Subscription Agreement.
  - (c) Facility's CBRE Program:
    - (1) As of the Execution Date, complies with all applicable Federal Securities Laws, and shall continue to be in compliance for the duration of Facility's CBRE Program.
    - (2) As of the Execution Date, complies with all applicable State Securities Laws, and shall continue to be in compliance for the duration of Facility's CBRE Program.
    - (3) As of the Execution Date, complies with all applicable Laws concerning the dissemination of personally identifiable information, and shall

continue to be in compliance for the longer of (i) the duration of Facility's CBRE Program and (ii) for as long as Subscriber Organization continues to hold or otherwise have access to any personally identifiable information of Account Holders or former customers of Company.

(4) As of the Execution Date, complies with all applicable Laws concerning consumer protection, and shall continue to be in compliance for the duration of Facility's CBRE Program.

(5) Shall achieve the various Subscriber thresholds set forth in Section 5(a)(ii)(aa) through (ee) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS).

4. Subscriber Organization Fees. Subscriber Organization shall pay to Company the following fees:

- \$250 Application Fee
- All applicable late fees for failure to meet Commercial Operations Date
- All applicable interconnection costs, fees and expenses, including costs associated with acquisition and installation of the Revenue Meter
- All applicable costs for the operation, maintenance and testing of the Revenue Meter
- \$5/kW AC Program Administration Fee (annually), from the Commercial Operations Date
- \$25.00 (monthly) Revenue Meter Administration Fee
- Such other fees as the PUC may establish for the CBRE Program

If Company does not set off the amount of these fees against Company payments to Subscriber Organization for Unsubscribed RDG, Company shall invoice Subscriber Organization for payment to Company of the foregoing fees. Subscriber Organization shall make payment to Company within 15 Days of Subscriber Organization's receipt of such invoice.

5. Marketing and Sales of the Subscriber Allocations.  
Subscriber Organization represents, warrants and covenants that Subscriber Organization's marketing and sale of the Subscriber Allocations, including but not limited to Subscriber Organization's marketing and sales materials, shall comply with all applicable Federal Securities Laws and State Securities Laws.
6. CBRE Online Portal and CBRE Program Data.
7. Additional Responsibilities. Subscriber Organization shall perform the responsibilities of "Subscriber Organizations" under the CBRE Framework and the CBRE Tariff, including but not limited to complying with the Subscriber Agreement requirements, complying with the consumer protection measures, unlocking the market for LMI Subscribers and data collection requirements. Subscriber Organization shall cooperate with the CBRE IO as and when requested by the CBRE IO to facilitate the performance of the CBRE IO's responsibilities under the CBRE Framework.
8. LMI Subscribers.
  - (a) If Subscriber Organization's Facility has been awarded a project from one of Company's CBRE LMI RFP's, then Subscriber Organization has proposed, and hereby agrees, that all Subscribers enrolled for Subscriptions in the Facility CBRE Program for this Facility shall be LMI Subscribers.
  - (b) If Subscriber Organization, in its bid in response to any other Company CBRE RFP, has pledged to recruit a certain percentage of LMI Subscribers for its Facility CBRE Program, then Subscriber Organization hereby agrees to recruit LMI Subscribers to meet this pledged commitment for LMI Subscribers into Subscriber Organization's Facility CBRE Program.
  - (c) If Subscriber Organization has an LMI Subscriber commitment under either Section 8(a) or Section 8(b) of this Attachment Q (Facility's CBRE Program), then Subscriber Organization shall comply with the requirements of Part III of the CBRE Tariff to (1) qualify LMI Subscribers, (2) provide verification of Subscriber Organization's confirmation efforts to verify such LMI Subscribers' qualifications upon Company's

request, and (3) comply with the minimum applicable requirements for LMI Subscribers and report monthly Subscriber Organization's LMI Subscriber percentage status for Company's review. Subscriber Organization understands and agrees that failure to maintain the required percentages of LMI Subscribers in Subscriber Organization's Facility CBRE Program may subject Subscriber Organization to payment reductions and/or liquidated damages as specified in the CBRE Tariff.

ATTACHMENT R  
REQUIRED INSURANCE

(See also Article 18 (Insurance))

1. Worker's Compensation and Employers' Liability. This coverage shall include Worker's Compensation, Temporary Disability and other similar insurance required by applicable State or U.S. federal laws. If exposure exists, coverage required by the Longshore and Harbor Worker's Compensation Act (33 U.S.C. §688) shall be included. Employers' Liability coverage limits shall be no less than:

Bodily Injury by Accident - \$1,000,000 each Accident  
Bodily Injury by Disease - \$1,000,000 each Employee  
Bodily Injury by Disease - \$1,000,000 policy limit

2. General Liability Insurance.

- (i) This coverage shall include Commercial General Liability Insurance or the reasonable equivalent thereof, covering all operations by or on behalf of Subscriber Organization. Such coverage shall provide insurance for bodily injury and property damage liability for the minimum limits of liability indicated below and shall include coverage for:

- (a) Premises, operations, and mobile equipment,
- (b) Products and completed operations,
- (c) Claims resulting from alleged damage to the environment and damage or injury caused by hazardous conditions or hazardous materials to the extent such coverage is appropriate and available at a commercially reasonable cost,
- (d) Blanket contractual liability,
- (e) Broad form property damage (including completed operations),
- (f) No exclusion for (XCU) explosion, collapse and underground hazard,
- (g) Personal injury liability, and
- (h) Failure to supply liability, which may be provided as a sublimit of \$1,000,000 per occurrence under

the general liability policy, on ISO endorsement CG 22 50 or equivalent, so long as such coverage is available on a commercially reasonable basis.

(ii) Limits of liability for Bodily Injury & Property Damage shall be:

\$10,000,000 combined single limit per occurrence and;  
\$20,000,000 aggregate annually

(ii) Coverage limits may be satisfied using Umbrella and/or Excess Liability insurance policies.

3. Automobile Liability Insurance. This insurance shall include coverage for owned (if any), leased and non-owned automobiles. The minimum limits of liability shall be a combined single limit for bodily injury and property damage of Two Million Dollars (\$2,000,000) for each occurrence and in the aggregate annually. If exposure exists, the policy shall be endorsed to include Transportation Pollution Liability insurance, covering hazardous materials to be transported by Subscriber Organization, as appropriate.
4. Builders All Risk Insurance. This insurance shall include but not be limited to coverage for wind including named windstorm, earthquake, flood, perils, property in transit (excluding ocean transit), off-site storage - property in temporary storage or assembly away from the project site, testing, covering all materials, equipment, machinery and supplies of any nature whatsoever, the property of the Subscriber Organization or of others for which the Subscriber Organization may have assumed responsibility, used or to be used in or incidental to the site preparation, demolition of existing structures, erection and/or fabrication and/or reconstruction and/or repair of the project insured, including temporary works (all scaffolding, formworks, fences, shoring, hoarding, false work and temporary buildings and all incidental to the project) from the start of construction through the earlier of the Commercial Operations Date or the effective date of the policy coverage set forth in Section 5 (All Risk Property/Comprehensive Mechanical and Electrical Breakdown Insurance (Upon Completion of Construction)) of this Attachment R (Required Insurance). The amount of coverage shall be purchased on a full replacement cost basis, except for earthquake, named windstorm and flood perils which shall be provided as sublimits and aggregate limits supported by a Probable

Maximum Loss (PML) study and/or Catastrophe (CAT) Modeling report, if such insurance amounts are appropriate and available on commercially reasonable terms. The coverage shall be written on an "All Risks" completed value form and may allow for reasonable other sublimits for transit and for incidental offsite storage. Coverage shall be extended to include testing. Such policies shall be endorsed to require that the coverage afforded shall not be canceled (except for nonpayment of premiums) or reduced without at least thirty (30) Days' prior written notice to Subscriber Organization and Company; provided, however, that such endorsement shall provide (i) that the insurer may not cancel the coverage for non-payment of premium without giving Subscriber Organization and Company ten (10) Days' notice that Subscriber Organization has failed to make timely payment thereof, and (ii) that, subject to the consent of the Facility Lender, Subscriber Organization or Company shall thereupon have the right to pay such premium directly to the insurer.

5. All Risk Property/Comprehensive Mechanical and Electrical Breakdown Insurance (Upon Completion of Construction). This insurance shall provide All Risk Property Coverage (including the perils of wind including named windstorm, earthquake, and flood) and Comprehensive Mechanical and Electrical Breakdown Coverage against damage to the Facility. The amount of coverage shall be purchased on a full replacement cost basis (no coinsurance shall apply) except for earthquake, named windstorm and flood perils which shall be provided as sublimits and aggregate limits supported by a Probable Maximum Loss (PML) study and/or Catastrophe (CAT) Modeling reports, if such insurance amounts are appropriate and available on commercially reasonable terms. Such coverage may allow for other reasonable sublimits. Such policies shall be endorsed to require that the coverage afforded shall not be canceled (except for nonpayment of premiums) or reduced without at least thirty (30) Days' prior written notice to Subscriber Organization and Company; provided, however, that such endorsement shall provide (i) that the insurer may not cancel the coverage for non-payment of premium without giving Subscriber Organization and Company ten (10) Days' notice that Subscriber Organization has failed to make timely payment thereof, and (ii) that, subject to the consent of the Facility Lender, Subscriber Organization or Company shall thereupon have the right to pay such premium directly to the insurer.

6. Business Interruption Insurance (Upon Completion of Construction). This insurance shall provide coverage for all of Subscriber Organization's costs to the extent that they would not be eliminated or reduced by the failure of the Facility to operate for a period of at least twelve (12) months following a covered physical damage loss deductible period or reasonable dollar deductible or waiting period.
7. [Reserved]
8. Ocean Transit. Subscriber Organization shall take reasonable action to ensure that the risk of loss or damage to any material items of equipment which are subject to ocean transit is adequately protected against by the terms of delivery from contractors or suppliers of such equipment or Subscriber Organization's own insurance coverage.



ATTACHMENT S  
FORM OF MONTHLY PROGRESS REPORT

**1. Instructions**

Any capitalized terms used in this report which are not defined herein shall have the meaning ascribed to them in the Power Purchase Agreement for Renewable As-Available Energy by and between [\_\_\_\_\_] ("Subscriber Organization"), and Maui Electric Company, Limited, a Hawai'i corporation, dated \_\_\_\_\_, (the "Agreement").

In addition to the remedial action plan requirement set forth in Article 13 (Guaranteed Project Milestones Including Commercial Operations) of the Agreement, Subscriber Organization shall review the status of each Construction Milestone of the construction schedule (the "Schedule") for the Facility and identify such matters referenced in clauses (i)-(v) below as known to Subscriber Organization and which in Subscriber Organization's reasonable judgment are expected to adversely affect the Schedule, and with respect to any such matters, shall state the actions which Subscriber Organization intends to take to ensure that the Construction Milestones will be attained by their required dates. Such matters may include, but shall not be limited to:

(i) Any material matter or issue arising in connection with a Governmental Approval, or compliance therewith, with respect to which there is an actual or threatened dispute over the interpretation of a law, actual or threatened opposition to the granting of a necessary Governmental Approvals, any organized public opposition, any action or expenditure required for compliance or obtaining approval that Subscriber Organization is unwilling to take or make, or in each case which could reasonably be expected to materially threaten or prevent financing of the Facility, attaining any Construction Milestone, or obtaining any contemplated agreements with other parties which are necessary for attaining any Construction Milestone or which otherwise reasonably could be expected to materially threaten Subscriber Organization's ability to attain any Construction Milestone.

(ii) Any development or event in the financial markets or the independent power industry, any change in taxation or accounting standards or practices or in Subscriber Organization's business or prospects which reasonably could be

expected to materially threaten financing of the Facility, attainment of any Construction Milestone or materially threaten any contemplated agreements with other parties which are necessary for attaining any Construction Milestone or could otherwise reasonably be expected to materially threaten Subscriber Organization's ability to attain any Construction Milestone;

(iii) A change in, or discovery by Subscriber Organization of, any legal or regulatory requirement which would reasonably be expected to materially threaten Subscriber Organization's ability to attain any Construction Milestone;

(iv) Any material change in the Subscriber Organization's schedule for initiating or completing any material aspect of the Facility;

(v) The status of any matter or issue identified as outstanding in any prior Monthly Progress Report and any material change in the Subscriber Organization's proposed actions to remedy or overcome such matter or issue.

For the purpose of this report, "EPC Contractor" means the contractor responsible for engineering, procurement and construction of the Facility, including Subscriber Organization if acting as contractor, and including all subcontractors.

## **2. Executive Summary**

### **2.1 Major activities completed**

Please provide a cumulative summary of the major activities completed for each of the following aspects of the Facility (provide details in subsequent sections of this report):

- 2.1.1 **[Insert Construction Milestones from Attachment K and Attachment L, if needed]**
- 2.1.2 Financing
- 2.1.3 Governmental Approvals for Development
- 2.1.4 Site Control
- 2.1.5 Land Rights for Company-Owned Interconnection Facilities

- 2.1.6 Design and Engineering
- 2.1.7 Major Equipment Procurement
- 2.1.8 Construction
- 2.1.9 Interconnection
- 2.1.10 Startup Testing and Commissioning

## **2.2. Major activities recently performed**

Please provide a summary of the major activities performed for each of the following aspects of the Facility since the previous report (provide details in subsequent sections of this report):

- 2.2.1 [Insert Construction Milestones from Attachment K and Attachment L, if needed]**
- 2.2.2 Financing
- 2.2.3 Development Permits
- 2.2.4 Site Control
- 2.2.5 Land Rights for Company-Owned Interconnection Facilities
- 2.2.6 Design and Engineering
- 2.2.7 Major Equipment Procurement
- 2.2.8 Construction
- 2.2.9 Interconnection
- 2.2.10 Startup Testing and Commissioning

## **2.3 Major activities planned but not completed**

Please provide a summary of the major activities that were planned to be performed since the previous report but not completed as scheduled, including the reasons for not completing the activities, for each of the following aspects of the Facility:

- 2.3.1 **[Insert Construction Milestones from Attachment K and Attachment L, if needed]**
- 2.3.2 Financing
- 2.3.3 Governmental Approvals for Development
- 2.3.4 Site Control
- 2.3.5 Land Rights for Company-Owned Interconnection Facilities
- 2.3.6 Design and Engineering
- 2.3.7 Major Equipment procurement
- 2.3.8 Construction
- 2.3.9 Interconnection
- 2.3.10 Startup Testing and Commissioning

**2.4 Major activities expected during the current month**

Please provide a summary of the major activities to be performed during the current month for each of the following aspects of the Facility (provide details in subsequent sections of this report):

- 2.4.1 Construction Milestones
- 2.4.2 Financing
- 2.4.3 Governmental Approvals
- 2.4.4 Site Control
- 2.4.5 Land Rights for Company-Owned Interconnection Facilities
- 2.4.6 Design and Engineering
- 2.4.7 Major Equipment procurement
- 2.4.8 Construction
- 2.4.9 Interconnection

2.4.10 Startup Testing and Commissioning

**3. Milestones**

**3.1 Milestone schedule**

Please list all Construction Milestones specified in Attachment K and Attachment L and state the current status of each.

<b>Construction Milestone</b>	<b>Milestone Date Specified in the Agreement</b>	<b>Status</b> (e.g., on schedule, delayed due to [ <i>specify reason</i> ]; current expected completion date)
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**3.2 Remedial Action Plan (if applicable)**

Provide a detailed description of Subscriber Organization's course of action and plan to achieve the missed Construction Milestones and all subsequent Construction Milestones by the Guaranteed Commercial Operation Date using the outline provided below.

- 3.2.1 Identify Missed Construction Milestone
- 3.2.2 Explain plans to achieve missed Construction Milestone
- 3.2.3 Explain plans to achieve subsequent Construction Milestones
- 3.2.4 Identify and discuss (a) delays in engineering schedule, equipment procurement, and construction and interconnection schedule and (b) plans to remedy delays as a result of the missed Construction Milestones

**4. Financing**

Please provide the schedule Subscriber Organization intends to follow to obtain financing for the Facility. Include information about each stage of financing.

<b>Activity</b> (e.g., obtain \$xx for yy stage from zz)	<b>Completion Date</b>
	__/__/____ (expected / actual)
	__/__/____ (expected / actual)

**5. Project Schedule**

Please provide a copy of the current version of the overall Facility schedule (e.g., Work Breakdown Structure, Gantt chart, MS Project report, etc.). Include all major activities for Governmental Approvals for Development, design and engineering, procurement, construction, interconnection and testing.

**6. Governmental Approvals**

**6.1 Environmental Impact Review**

Please provide information about the primary environmental impact review for the Facility. Indicate whether dates are expected or actual.

**Agency**

**Date of application/submission**

\_\_/\_\_/\_\_\_\_  
(expected / actual)

**Date application/submission deemed complete by agency**

\_\_/\_\_/\_\_\_\_  
(expected / actual)

**Date of initial study** (if applicable)

\_\_/\_\_/\_\_\_\_  
(expected / actual)

**Process** (e.g., Notice of Exemption, Negative Declaration, Mitigated Negative Declaration, Environmental Impact Report)

**Date of Notice of Preparation**

\_\_/\_\_/\_\_\_\_  
(expected / actual)

Date of Draft ND/MND/EIR

\_\_\_/\_\_\_/\_\_\_  
(expected /  
actual)

Date Notice of Determination filed at  
OPR or County Clerk

\_\_\_/\_\_\_/\_\_\_  
(expected /  
actual)

#### Governmental Approvals

Please describe each of the Governmental Approvals to be obtained by Subscriber Organization and the status of each:

#### **Status Summary**

e.g., dates of application / hearing / notice / etc. (note whether dates are anticipated or actual); major activities (indicate whether planned, in progress and/or completed); primary reasons for possible delay, etc.

**Agency / Approval**

### **6.3 Governmental Approval activities recently performed**

Please list all Governmental Approval activities that occurred since the previous report.

### **6.4 Governmental Approval activities expected during the current month**

Please list all Governmental Approval activities that are expected to occur during the current month.

### **6.5 Governmental Approval Notices received from EPC Contractor**

Please attach to this Monthly Progress Report copies of any notices related to Governmental Approval activities received since the previous report, whether from EPC Contractor or directly from Governmental Authorities.

## **7. Site Control**

### **7.1 Table of Site Control schedule**

If not obtained prior to execution of the Agreement, please provide the schedule Subscriber Organization intends to follow to obtain control of the Site (e.g., purchase, lease).

Activity	Completion Date
	__/__/____ (expected / actual)
	__/__/____ (expected / actual)

**7.2 Site Control activities recently performed**

Please explain in detail the property acquisition activities that were performed since the previous report.

**7.3 Site Control activities expected during the current month**

Please explain in detail the site control activities that are expected to be performed during the current month.

**8. Land Rights for the Company-Owned Interconnection Facilities**

**8.1 Table of Land Rights schedule for Company-Owned Interconnection Facilities**

If not obtained prior to execution of the Agreement, please provide the schedule Subscriber Organization intends to follow to obtain control of the Land for the Company-Owned Interconnection Facilities (e.g., purchase, lease).

Activity	Completion Date
	__/__/____ (expected / actual)
	__/__/____ (expected / actual)

**8.2 Land Control activities recently performed**

Please explain in detail the property acquisition activities that were performed since the previous report.

**8.3 Land Control activities expected during the current month**

Please explain in detail the Land control activities that are expected to be performed during the current month.



**9. Design and Engineering**

**9.1 Design and engineering schedule**

Please provide the name of the EPC Contractor, the date of execution of the EPC Contract, and the date of issuance of a full notice to proceed (or equivalent).

Please list all major design and engineering activities, both planned and completed, to be performed by Subscriber Organization and the EPC Contractor.

Name of EPC Contractor / Subcontractor	Activity	Completion Date
		__/__/____ (expected / actual)
		__/__/____ (expected / actual)

**9.2 Design and engineering activities recently performed**

Please explain in detail the design and engineering activities that were performed since the previous report.

**9.3 Design and engineering activities expected during the current month**

Please explain in detail the design and engineering activities that are expected to be performed during the current month.

**10. Major Equipment Procurement**

**10.1 Major equipment to be procured**

Please list all major equipment to be procured by Subscriber Organization or the EPC Contractor:

<b>Equipment Description</b>	<b>Manufacturer</b>	<b>Delivery Date</b> (indicate whether expected or actual)	<b>Installation Date</b> (indicate whether expected or actual)
		___/___/___ (expected / actual)	___/___/___ (expected / actual)
		___/___/___ (expected / actual)	___/___/___ (expected / actual)

<b>Equipment Description</b>	<b>No. Ordered</b>	<b>No. Made</b>	<b>No. On-Site</b>	<b>No. Installed</b>	<b>No. Tested</b>

**10.2 Major Equipment procurement activities recently performed**

Please explain in detail the major equipment procurement activities that were performed since the previous report.

**10.3 Major Equipment procurement activities expected during the current month**

Please explain in detail the major equipment procurement activities that are expected to be performed during the current month.

**11. Construction**

**11.1 Construction activities**

Please list all major construction activities, both planned and completed, to be performed by Subscriber Organization or the EPC Contractor.

Activity	EPC Contractor / Subcontractor	Completion Date
		___/___/_____ (expected / actual)
		___/___/_____ (expected / actual)

**11.2 Construction activities recently performed**

Please explain in detail the construction activities that were performed since the previous report.

**11.3 Construction activities expected during the current month**

Please explain in detail the construction activities are expected to be performed during the current month.

**11.4 EPC Contractor Monthly Construction Progress Report**

Please attach a copy of the Monthly Progress Reports received since the previous report from the EPC Contractor pursuant to the construction contract between Subscriber Organization and EPC Contractor, certified by the EPC Contractor as being true and correct as of the date issued.

**12. Interconnection**

**12.1 Interconnection activities**

Please list all major interconnection activities, both planned and completed, to be performed by Subscriber Organization or the EPC Contractor.

Activity	Name of EPC Contractor / Subcontractor	Completion Date
		___/___/_____ (expected / actual)
		___/___/_____ (expected / actual)

**12.2 Interconnection activities recently performed**

Please explain in detail the interconnection activities that were performed since the previous report.

**12.3 Interconnection activities expected during the current month**

Please explain in detail the interconnection activities that are expected to be performed during the current month.

**13. Startup Testing and Commissioning**

**13.1 Startup testing and commissioning activities**

Please list all major startup testing and commissioning activities, both planned and completed, to be performed by Subscriber Organization or the EPC Contractor.

Activity	Name of EPC Contractor / Subcontractor	Completion Date
		__/__/____ (expected / actual)
		__/__/____ (expected / actual)

**13.2 Startup testing and commissioning activities recently performed**

Please explain in detail the startup testing and commissioning activities that were performed since the previous report.

**13.3 Startup testing and commissioning activities expected during the current month**

Please explain in detail the startup testing and commissioning activities that are expected to be performed during the current month.

**14. Safety and Health Reports**

**14.1 Accidents**

Please describe all Facility-related accidents reported since the previous report.

**14.2 Work stoppages**

Please describe all Facility-related work stoppages from that occurred since the previous report.

Please describe the effect of work stoppages on the Facility schedule.

**15. Community Outreach**

Please describe all community outreach efforts undertaken since the last report.

**16. Certification**

I, \_\_\_\_\_, on behalf of and as an authorized representative of [\_\_\_\_\_], do hereby certify that any and all information contained in this Subscriber Organization's Monthly Progress Report is true and accurate, and reflects, to the best of my knowledge, the current status of the construction of the Facility as of the date specified below.

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

ATTACHMENT T  
MONTHLY REPORTING AND DISPUTE  
RESOLUTION BY INDEPENDENT AF EVALUATOR

1. Monthly Report. Commencing with the month during which the Commercial Operations Date is achieved, and for each calendar month thereafter during the Term, Subscriber Organization shall provide to Company a Monthly Report in Excel, Lotus or such other format as Company may require, which Monthly Report shall include (i) the data for the calendar month in question populated into the form of "Monthly Report" below, (ii) the data for the BESS Measurement Period ending with the calendar month in question populated into the form of "BESS Measurement Period Report" below, and (iii) Subscriber Organization's calculations of the performance metrics and any liquidated damages assessments for the LD Period ending with such calendar month as set forth below. Subscriber Organization shall deliver such Monthly Report to Company by the fifth (5<sup>th</sup>) Business Day following the close of the calendar month in question. Subscriber Organization shall deliver the Monthly Report electronically to the address provided by the Company. Company shall have the right to verify all data set forth in the Monthly Report by inspecting measurement instruments and reviewing Facility operating records. Upon Company's request, Subscriber Organization shall promptly provide to Company any additional data and supporting documentation necessary for Company to audit and verify any matters in the Monthly Report.

PV System Monthly Report

NAME OF IPP FACILITY: [Facility Name]

MONTHLY REPORT PERIOD: [Month Day, Year] to [Month Day, Year]

Enter the information for each event during the reporting period. Dates and times should be entered to the nearest minute. Duration and equivalent hours should be rounded to 2 decimal places.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (C) = (B-A)	Number of Inverters in the PV system that are offline (D)	Total number of Inverters in the PV system (E)	Equivalent Hours (hrs) (C x D)/E

...					

Calendar hours in the reporting period: \_\_\_\_\_

Total equivalent ExcludedTime for the reporting period  
(from above): \_\_\_\_\_

Period Hours (PH) in the reporting period: \_\_\_\_\_

PH from the last eleven (11) reporting periods: \_\_\_\_\_

PH for the last twelve (12) reporting periods: \_\_\_\_\_

Enter the information for each Outage during the reporting period. Dates and times should be entered to the nearest minute. Duration should be rounded to 2 decimal places.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (B-A)
...		

Calendar hours in the reporting period: \_\_\_\_\_

Total Outage hours for the reporting period (from  
above): \_\_\_\_\_

Available Hours (AH) in the reporting period: \_\_\_\_\_

AH from the last eleven (11) reporting periods: \_\_\_\_\_

AH for the last twelve (12) reporting periods: \_\_\_\_\_

Enter the information for each Planned Deration event during the reporting period. Dates and times should be entered to the nearest minute. Duration and equivalent hours should be rounded to 2 decimal places.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (C) = (B-A)	Number of Inverters in the PV system	Total number of Inverters in the PV	Equivalent Hours (hrs) (C x D)/E

			that are offline (D)	system (E)	
...					

Total equivalent planned derated hours (EPDH) for  
the reporting period: \_\_\_\_\_

EPDH from the last eleven (11) reporting periods: \_\_\_\_\_

EPDH for the last twelve (12) reporting periods: \_\_\_\_\_

Enter the information for each Unplanned Deration event during the reporting period. Dates and times should be entered to the nearest minute. Duration and equivalent hours should be rounded to 2 decimal places.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (C) = (B-A)	Number of Inverters in the PV system that are offline (D)	Total number of Inverters in the PV system (E)	Equivalent Hours (hrs) (C x D)/E
...					

Total equivalent unplanned derated hours (EUDH) for  
the reporting period: \_\_\_\_\_

EUDH for the last eleven (11) reporting periods: \_\_\_\_\_

EUDH for the last twelve (12) reporting periods: \_\_\_\_\_

Enter the Available Hours, EPDH, EUDH, and Period Hours for the last twelve (12) reporting periods as calculated above.

AH (A)	EPDH (B)	EUDH (C)	PH (D)	PV Annual Equivalent Availability Factor



				100% x (A - B - C) / D

Enter the following properties for the facility's PV panels that are used in the calculation of the Measured Performance Ratio. Refer to Article 2.6 for the definitions of terms.

DC rated capacity of the system at standard test conditions ( $P_{DCSTC}$ ): \_\_\_\_\_

Temperature coefficient of power in %/°C ( $\delta$ ): \_\_\_\_\_

Temperature empirical constant (a): \_\_\_\_\_

Wind speed empirical constant (b): \_\_\_\_\_

For the reporting period, provide 2 second site data for the following used in the calculation of the Measured Performance Ratio in .csv format (refer to Article 2.6 for the definitions of terms). The data set should include an indication of whether each data point is included or excluded in the calculation of the Measured Performance Ratio.

Measured data:

- Power output of the PV system ( $P_{AC_i}$ )
- Plane of array irradiance ( $G_{POA}$ )
- Module back of surface temperature ( $T_m$ )
- Ambient temperature ( $T_a$ )
- Wind speed (WS)
- # of Inverters Available [%]

Calculated data:

- Average cell temperature ( $T_{cell\_type\_avg}$ )
- Computed cell temperature ( $T_{cell\_i}$ )

Using the data provided above, enter the calculated values for Measured Performance Ratio rounded to the third decimal place (0.001).

Measured Performance Ratio for the reporting period: \_\_\_\_\_

Measured Performance Ratio for this reporting period and the previous eleven (11) reporting periods: \_\_\_\_\_

Enter the Applicable Contract Year and calculated Degradation Factor for the reporting period. Refer to Article 2.6(c) for how these should be calculated.

Applicable Contract Year: \_\_\_\_\_

Degradation Factor: \_\_\_\_\_

### BESS Measurement Period Report

NAME OF IPP FACILITY: [Facility Name]

BESS MEASUREMENT PERIOD: [Month Day, Year] to [Month Day, Year]

Enter the applicable information from which the IPP is using to demonstrate satisfaction of the BESS Capacity Performance Metric during the reporting period. This can either be from a BESS Capacity Test performed during the period or taken from operational data reflecting the net output of the BESS.

Date/Time Start	Date/Time End	Total MWh delivered to the POI (A)	BESS Contract Capacity (MWh) (B)	BESS Capacity Ratio 100% x (A/B)

Enter the applicable information from which the IPP is using to demonstrate satisfaction of the RTE Performance Metric during the reporting period. This can either be from a RTE Test performed during the period or taken from operational data reflecting the charging/discharging of the BESS.

Date/Time Start	Date/Time End	Total MWh delivered to the POI during the test (A)	Charging Energy measured at POI (MWh) (B)	RTE Ratio 100% x (A ÷ B)

--	--	--	--	--

Enter the information for each ExcludedTime event during the reporting period. Dates and times should be entered to the nearest minute. Duration, size of reduction, maximum rated output, and equivalent hours should be rounded to 1 decimal place.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (C) = (B-A)	Size of Reduction (MW) (D)	Maximum Rated Output (MW) (E)	Equivalent Hours (hrs) (C x D)/E
...					

Calendar hours in the reporting period: \_\_\_\_\_

Total equivalent ExcludedTime for the reporting period (from above): \_\_\_\_\_

Period Hours (PH) in the reporting period: \_\_\_\_\_

PH from the last three (3) reporting periods: \_\_\_\_\_

PH for the last four (4) reporting periods: \_\_\_\_\_

Enter the information for each Outage during the reporting period. Dates and times should be entered to the nearest minute. Duration should be rounded to 1 decimal place.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (B-A)
...		

Calendar hours in the reporting period: \_\_\_\_\_

Total Outage hours for the reporting period (from above): \_\_\_\_\_

Available Hours (AH) in the reporting period: \_\_\_\_\_

AH from the last three (3) reporting periods: \_\_\_\_\_

AH for the last four (4) reporting periods: \_\_\_\_\_

Enter the information for each Planned Deration event during the reporting period. Dates and times should be entered to the nearest minute. Duration, size of reduction, maximum rated output, and equivalent hours should be rounded to 1 decimal place.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (C) = (B-A)	Size of Reduction (MW) (D)	Maximum Rated Output (MW) (E)	Equivalent Hours (hrs) (C x D)/E
...					

Total equivalent planned derated hours (EPDH) for the reporting period: \_\_\_\_\_

EPDH from the last three (3) reporting periods: \_\_\_\_\_

EPDH for the last four (4) reporting periods: \_\_\_\_\_

Enter the information for each Unplanned Deration event during the reporting period. Dates and times should be entered to the nearest minute. Duration, size of reduction, maximum rated output, and equivalent hours should be rounded to 1 decimal place.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (C) = (B-A)	Size of Reduction (MW) (D)	Maximum Rated Output (MW) (E)	Equivalent Hours (hrs) (C x D)/E
...					

Total equivalent unplanned derated hours (EUDH) for the reporting period: \_\_\_\_\_

EUDH for the last three (3) reporting periods: \_\_\_\_\_

EUDH for the last four (4) reporting periods: \_\_\_\_\_

Enter the Available Hours, EPDH, EUDH, and Period Hours for the last four (4) reporting periods as calculated above.

AH (A)	EPDH (B)	EUDH (C)	PH (D)	BESS Annual Equivalent Availability Factor 100% x (A - B - C)/D

Enter the information for each Unplanned (Forced Outage) during the reporting period. Dates and times should be entered to the nearest minute. Duration should be rounded to 1 decimal place.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (B-A)
...		

Total Forced Outage Hours (FOH) for the reporting period (from above): \_\_\_\_\_

FOH from the last three (3) reporting periods: \_\_\_\_\_

FOH for the last four (4) reporting periods: \_\_\_\_\_

Enter the FOH and EUDH for the last four (4) reporting periods as calculated above.

FOH (A)	EUDH (B)	BESS Annual Equivalent Forced Outage Factor $100\% \times (A + B)/8760$

2. Monthly Report Disagreements.

- (a) Notice of Disagreement With Monthly Report. Within ten (10) Business Days following the close of the calendar month in question, Subscriber Organization shall provide to Company the Monthly Report for such calendar month and the LD Period, the MPR Assessment Period and the BESS Measurement Period (if any) ending with such calendar month, as provided in Section 1 (Monthly Report) of this Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator). Within ten (10) Business Days after Company's receipt of a Monthly Report, Company shall provide written notice to Subscriber Organization of any Monthly Report Disagreement, including with respect to the data for the calendar month covered by such Monthly Report and Subscriber Organization's calculation of, as applicable, (i) the PV System Equivalent Availability Factor for the LD Period ending with such calendar month, (ii) the MPR for the MPR Assessment Period ending with such calendar month, or (iii) any of the BESS Capacity Ratio, the RTE

Ratio, the BESS Annual Equivalent Availability Factor or the BESS Equivalent Forced Outage Factor for the BESS Measurement Period (if any) ending with such calendar month ("Notice of Disagreement"). Together with any such Notice of Disagreement, the Company shall include its own calculations and other support for its position. If Company fails to provide a Notice of Disagreement within said 10-Business Day period, the Monthly Report provided by Subscriber Organization shall be deemed to be accepted by Company and shall no longer be subject to dispute by Company or Subscriber Organization.

- (b) [Reserved]
- (c) Submission of Monthly Report Disagreement to Independent AF Evaluator. Upon issuance of a Notice of Disagreement, the Parties shall review the contents of the Monthly Report(s) together with such Notice of Disagreement and attempt to resolve such Monthly Report Disagreement. If the Parties are able to agree on a resolution of any Monthly Report Disagreement, the resulting corrected Monthly Report(s) in question shall be set forth in a writing executed by both Parties, following which (i) such corrected Monthly Reports shall no longer be subject to dispute by either Party and (ii) to the extent such resolution of such Monthly Report Disagreement affects future Monthly Reports, such future Monthly Reports shall be prepared, and the PV System Equivalent Availability Factor, the MPR, the BESS Annual Equivalent Factor and the BESS Annual Equivalent Forced Outage Factor in such future Monthly Reports shall be calculated, in a manner consistent with such resolution. If the Parties are unable to resolve such Monthly Report Disagreement within ten (10) Business Days after Company's issuance of such Notice of Monthly Report Disagreement, either Party may, within five (5) Business Days after the end of such 10-Business Day period, submit the unresolved Monthly Report Disagreement to an Independent AF Evaluator for resolution.
- (d) [Reserved]
- (e) Appointment of Independent AF Evaluator. If either Party decides to submit an unresolved Monthly Report

Disagreement to an Independent AF Evaluator, it shall provide written notice to that effect (the "Submission Notice") to the other Party, which notice shall designate which of the engineering firms on the OEPR Consultants List is to act as the Independent AF Evaluator for purposes of resolving such dispute; provided, however, for purposes of facilitating consistency in the resolution of Monthly Report Disagreements, all Monthly Report Disagreements concerning the same Performance Metric arising out of any one or more of the twelve (12) Monthly Reports issued for a given Contract Year shall be submitted to the same Independent AF Evaluator unless such Independent AF Evaluator declines to accept any such submission(s). A Submission Notice must be provided within the 5-Business Day period provided in Section 2(c) (Submission of Monthly Report Disagreement to Independent AF Evaluator) of this Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator). The Parties shall each pay fifty percent (50%) of the fees and expenses charged by the Independent AF Evaluator.

- (f) Eligibility for Appointment as Independent AF Evaluator. Both Parties agree that the engineering firms listed in Section 4(j) (Acceptable Persons and Entities) of Attachment U (Calculation and Adjustment of Net Energy Potential) are fully qualified to serve as Independent AF Evaluator. By mutual agreement between the Parties in writing, a name or names may be added to or removed from the OEPR Consultants List at any time. In no event shall there be less than three (3) names on the OEPR Consultants List.
- (g) Participation of Parties. Promptly following the issuance of a Submission Notice as provided in Section 2(e) (Appointment of Independent AF Evaluator) of this Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator), Subscriber Organization and Company shall provide the Independent AF Evaluator which such data as they consider to be material to the resolution of the disputed issue(s). Subscriber Organization and Company shall also provide such additional data and information as the Independent AF Evaluator may reasonably request. The Parties shall assist the Independent AF Evaluator throughout the process of resolving such dispute,

including making key personnel and records available to the Independent AF Evaluator, but neither Party shall be entitled to participate in any meetings with personnel of the other Party or review of the other Party's records. However, the Independent AF Evaluator will have the right to conduct meetings, hearing or oral arguments in which both Parties are represented.

- (h) Written Decision of Independent AF Evaluator. The terms of engagement with the Independent AF Evaluator shall require the Independent AF Evaluator to issue its written decision resolving the disputed issues submitted to it within the applicable time period set forth below, which time periods are subject to any tolling that may be applicable pursuant to Section 2(i) (Sequence to Resolving Interrelated Disagreements) of this Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator):
- (a) 30 Days as measured from the issuance of the Submission Notice; or (b) such other time period as the Parties may agree in writing. Unless otherwise agreed by the Parties in writing:
    - (i) for a Performance Metric Disagreement concerning the PV System Equivalent Availability Factor, the written decision of the Independent AF Evaluator shall set forth (aa) for the calendar month in question, the correct values for AH, EPDH, EUDH and PH to be used in calculations under Section 2.5 (PV System Equivalent Availability Factor; Liquidated Damages; Termination Damages) of this Agreement as determined by such Independent AF Evaluator if any such values were in dispute and (bb) for the LD Period ending with the calendar month in question, the PV System Equivalent Availability Factor for such LD Period as determined by such Independent AF Evaluator if such PV System Equivalent Availability Factor was in dispute;
    - (ii) for a Performance Metric Disagreement concerning the MPR, the written decision of the Independent AF Evaluator shall set forth (aa) the correct data points from the operational data set for the calendar month in question to be used in the calculation of MPR under Section 2.6(a)



(Calculation of Measured Performance Ratio) for the MPR Assessment Periods that include such calendar month if any such data points were in dispute, (bb) if a MPR Test was conducted during the month in question, the correct data points from such MPR Test to be used in the calculation of MPR under Section 2.6(a) (Calculation of Measured Performance Ratio) of this Agreement for the MPR Assessment Periods that include the month preceding the month covered by the Monthly Report in question if any such data points were in dispute and (cc) for the MPR Assessment Period ending with the calendar month in question, the Measured Performance Ratio if such Measured Performance Ratio was in dispute;

- (iii) for a Performance Metric Disagreement concerning the BESS Capacity Ratio or the RTE Ratio, the written decision of the Independent AF Evaluator shall set forth the BESS Capacity Ratio and/or the RTE Ratio for the BESS Measurement Period ending with the calendar month in question;
- (iv) for a Performance Metric Disagreement concerning the BESS Annual Equivalent Availability Factor, the written decision of the Independent AF Evaluator shall set forth (aa) the correct values to be used for AH, EPDH, EUDH and PH under Attachment X (BESS Annual Equivalent Availability Factor) for the calendar month in question if any such values were in dispute and (bb) the BESS Annual Equivalent Availability Factor for the BESS Measurement Period ending with the calendar month in question if such BESS Annual Equivalent Availability Factor was in dispute; and
- (v) for a Performance Metric Disagreement concerning the BESS Annual Equivalent Forced Outage Factor, the written decision of the Independent AF Evaluator shall set forth (aa) the correct values for FOH and EUDH under Attachment Y (BESS Annual Equivalent Forced Outage Factor) for the calendar month in question if any such values were in dispute and (bb) the BESS Annual Equivalent Forced Outage Factor for the BESS Measurement Period ending with the calendar month in question

if such BESS Annual Equivalent Forced Outage Factor was in dispute.

- (i) Sequence for Resolving Interrelated Disagreements. If at the time a Performance Metric Disagreement is submitted to an Independent AF Evaluator pursuant to Section 2(e) (Appointment of Independent AF Evaluator) of this Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) there are one or more other unresolved Performance Metric Disagreements concerning the same Performance Metric and the same LD Period that are pending before a different Independent AF Evaluator, and the resolution of such other Performance Metric Disagreement(s) is necessary to the resolution of the Performance Metric Disagreement that has been newly submitted to a new Independent AF Evaluator as aforesaid, the time period for such new Independent AF Evaluator to issue its written decision resolving such newly submitted Performance Metric Disagreement shall be tolled until such pending Performance Metric Disagreement(s) have been resolved. For avoidance of doubt, it is the intent of the Parties that disagreements over performance ratio data and calculations for a given calendar month or a given BESS Measurement Period shall (i) not be subject to resolution twice and (ii) once resolved, shall not be reopened.
- (j) Final, Conclusive and Binding. The Parties acknowledge the inherent uncertainty in calculating the Performance Metrics, and hereby assume the risk of such uncertainty and waive any right to dispute the qualification of the person or entity appointed as the Independent AF Evaluator pursuant to Section 2(e) (Appointment of Independent AF Evaluator) of this Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) and/or the appropriateness of the methodology used by Independent AF Evaluator in resolving such Performance Metric Disagreements. Without limitation to the generality of the preceding sentence, the decision of the Independent AF Evaluator as to each Performance Metric Disagreement submitted to an Independent AF Evaluator shall be final, conclusive and binding upon Company and Subscriber Organization and shall not be subject to further dispute under Article 28 (Dispute Resolution) of the Agreement.

3. Periodic Review of Method of Calculating and Reporting Performance Metric. At least once per Contract Year, Company shall review the method of calculating and reporting Performance Metric under this Agreement to determine if other variables should be incorporated into such calculations. Any revisions to the Performance Metric calculations in this Agreement shall be mutually agreed to by both Subscriber Organization and Company.
  
4. Future Changes in Reporting Requirements. Subscriber Organization shall reasonably cooperate with any Company requested revisions to the Monthly Report to include additional data that may be necessary from time to time to enable Company to comply with any new reporting requirements directed by the PUC or otherwise imposed under applicable Laws.

ATTACHMENT U  
CALCULATION AND ADJUSTMENT OF NET ENERGY POTENTIAL

1. Net Energy Potential.

(a) Net Energy Potential and the Intent of the Parties.

The essence of this Agreement is that Company is paying to Subscriber Organization a Lump Sum Payment in exchange for Company's right to dispatch, subject to Renewable Resource Variability, the Facility's Net Energy Potential. Under this Agreement, "Net Energy Potential": (i) constitutes an estimated single number with a P-Value of 95 for annual Net Energy that could be produced by the Facility based on the estimated long-term monthly and annual total of such production over a period of ten years; (ii) is subject to adjustment from time to time as provided in this Attachment U (Calculation and Adjustment of Net Energy Potential); and (iii) as so adjusted, provides a basis for calculating and adjusting the Lump Sum Payment, as provided in Section 3 (Calculation of Lump Sum Payment) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement. It is the intent of the Parties that the estimate of Net Energy Potential, as calculated and adjusted as foresaid, should reflect the following risk allocation between the Parties under this Agreement:

(i) Subscriber Organization has assumed the risk of downward adjustment to the Net Energy Potential (and hence the Lump Sum Payment) to account for any of the following circumstances:

(aa) if the Renewable Resource Baseline (as estimated on the basis of the typical meteorological year as derived from the Site's measured meteorological data) is lower than Subscriber Organization had assumed when it submitted its RFP Proposal;

(bb) if the as-built design and construction of the Facility is not as efficient in generating electrical energy and delivering such electric energy to the Point of Interconnection as Subscriber Organization

had assumed when it submitted its RFP Proposal; and

- (cc) if the Facility's level of operational efficiency is below the standard of comparable facilities;
- (ii) Company has assumed the risk of the following (i.e., the following are to be disregarded for purposes of estimating Net Energy Potential (and hence the Lump Sum Payment)):
  - (aa) Renewable Resource Variability; and
  - (bb) the possibility that, at any given moment, Company does not need to dispatch any or all of the electric energy that the Facility is then capable of generating and delivering to the Point of Interconnection.

The foregoing is not intended as an exhaustive list of the risks assumed by either Party under this Agreement or as a limitation on the circumstances that an OEPR Evaluator, in its professional judgment, may decide to take into account in preparing its OEPR under Section 4(e) (Terms of Engagement) of this Attachment U (Calculation and Adjustment of Net Energy Potential).

- (b) NEP RFP Projection. In its RFP Proposal, the Subscriber Organization projected that the Facility would have a Net Energy Potential (as defined in this Agreement) of [REDACTED] MWh [**Note - insert NEP from RFP proposal**] and provided the plane of array irradiance data used in arriving at the NEP RFP Projection, and Company relied on Subscriber Organization's NEP RFP Projection in deciding to contract with Subscriber Organization in lieu of other developers. Among the fundamentals of the bargain evidenced in this Agreement is that there will be consequences to Subscriber Organization if (i) the IE Energy Assessment does not support the NEP RFP Projection and/or (ii) the operational performance of the Facility indicates a Net Energy Potential that is below the applicable thresholds set forth in this Attachment U (Calculation and Adjustment of Net Energy Potential).

- (c) NEP IE Estimate and Company-Designated NEP Estimate. Prior to the closing of the construction financing for the Facility but in no event later than the Commercial Operations Date, the Subscriber Organization shall provide Company with a copy of the IE Energy Assessment Report and the data on plane of array irradiance and corresponding power output used in arriving at the NEP IE Estimate. In addition, Subscriber Organization shall obtain from the administrative agent of the Facility Lender and provide to Company, at financial close of the construction debt financing, a confirmation letter confirming to Company that the IE Energy Assessment Report including the data on plane of array of irradiance and corresponding power output used in arriving at the NEP IE Estimate provided by Subscriber Organization to Company is the final energy assessment prepared for the Facility Lender as part of the Facility Lender's due diligence leading up to the Facility Lender's legally binding commitment (subject to certain conditions precedent) to provide a specific amount of financing for the Project as evidenced by the Facility Lender's execution of the Financing Documents. If the IE Energy Assessment Report fails to provide a NEP IE Estimate that is consistent with the requirements of this Agreement in all material respects, or if the data on plane of array of irradiance and corresponding power output used in arriving at the NEP IE Estimate is not provided, or if the aforementioned confirmation letter is not provided, Company shall have the option, exercisable by written notice to Subscriber Organization issued no later than 30 Days, or such longer period as the Parties may agree in writing, following the first to occur of Company's receipt of (i) the IE Energy Assessment Report or (ii) notice that Company will not be provided with a copy of the IE Energy Assessment Report and the data on plane of array of irradiance and corresponding power output used in arriving at the NEP IE Estimate, to designate such Company-Designated NEP Estimate as Company, in its sole discretion, determines to be reasonable in light of the information then available to Company. In connection with Company's decision as to whether to designate a Company-Designated NEP Estimate, Company shall have the right to require Subscriber Organization to pay for an energy assessment to be performed by an

independent engineer selected by Company. In such case, the aforesaid 30-Day period for Company's decision to designate a Company-Designated NEP Estimate shall be tolled for the time necessary to prepare such assessment. If Company fails, within the aforesaid 30-Day period as such period may be tolled as provided in the preceding sentence, to designate a Company-Designated NEP Estimate, the NEP RFP Projection shall constitute the First NEP Benchmark, unless the Parties agree in writing on a lower First NEP Benchmark.

(d) NEP IE Estimate, Liquidated Damages and Subscriber Organization's Null and Void Right. If the NEP IE Estimate is higher than the NEP RFP Projection, the NEP RFP Projection shall constitute the First NEP Benchmark. In any other case, Subscriber Organization shall have the option to declare this Agreement null and void by written notice to Company as follows:

(i) if (aa) the NEP IE Estimate is lower than the NEP RFP Projection and (bb) Subscriber Organization issues its null and void notice to Company not later than 30 Days after issuance of the IE Energy Assessment Report; or

(ii) if (aa) Company exercises its right to designate a Company-Designated NEP Estimate under Section 1(c) (NEP IE Estimate and Company-Designated NEP Estimate) of this Attachment U (Calculation and Adjustment of Net Energy Potential), (bb) such Company-Designated NEP Estimate is lower than the NEP RFP Projection, and (cc) Subscriber Organization issues its null and void notice to Company not later than 30 Days after Company's notice of the Company-Designated NEP Estimate.

If Subscriber Organization fails to declare this Agreement null and void under the conditions set forth in either clause (i) or clause (ii) above, then: (x) the NEP IE Estimate or the Company-Designated NEP Estimate, as applicable, shall thereafter constitute the First NEP Benchmark and (y) Subscriber Organization shall, within five (5) Business Days following the expiration of the applicable 30-Day period for the issuance of Subscriber Organization's null and void notice, pay liquidated damages equal to

\$10 for every MWh by which the NEP RFP Projection exceeds the First NEP Benchmark for the initial Contract Year.

2. Initial OEPR. Following the Initial NEP Verification Date, the Initial OEPR shall be prepared pursuant to the process set forth in Section 4 (Preparation of OEPR) of this Attachment U (Calculation and Adjustment of Net Energy Potential) and the Initial NEP OEPR Estimate shall be as set forth in or derived from the Initial OEPR, as more fully set forth in Section 4(e) (Terms of Engagement) of this Attachment U (Calculation and Adjustment of Net Energy Potential). If the Initial NEP OEPR Estimate differs from the First NEP Benchmark, the Lump Sum Payment shall be recalculated and adjusted as provided in Section 3.ii (Lump Sum Payment During Second Benchmark Period) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement.
3. Subsequent OEPRs.
  - (a) Required Subsequent OEPR. If Subscriber Organization makes any changes to the Facility that involve (i) replacing any step-up transformer(s) or (ii) making any other changes (e.g., changing the characteristics of the Facility equipment or the specifications used in the IRS) that Company reasonably determines require an updated IRS, then Subscriber Organization shall also be required to have a subsequent OEPR prepared as of the first Day of the calendar month following the second anniversary of the date such change to the Facility was completed.
  - (b) Voluntary Subsequent OEPR. Without limitation to the generality of Section 3(a) (Required Subsequent OEPR) of this Attachment U (Calculation and Adjustment of Net Energy Potential), if the Subscriber Organization makes any changes to the Facility (e.g., replacing original equipment) that does not trigger a required Subsequent OEPR but which changes Subscriber Organization has reasonable grounds to believe will improve the Facility's Net Energy Potential, Subscriber Organization shall have a one-time option, exercisable by written notice to Company issued not less than 120 Days prior to the Applicable NEP Verification Date, of having a subsequent OEPR



prepared as of a date no sooner than 12 months following completion of the then most recent OEPR.

- (c) Subsequent OEPR and Adjustment to Lump Sum Payment. If the Subsequent NEP OEPR Estimate differs from the Most Recent Prior NEP Benchmark, the Lump Sum Payment shall be recalculated and adjusted as provided in Section 3.iii (Lump Sum Payment Following Second Benchmark Period) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS) to this Agreement.

4. Preparation of OEPR. The following provisions apply to the Initial OEPR and any Subsequent OEPR:

- (a) Selection of OEPR Evaluator. No later than 90 Days prior to the Applicable NEP Verification Date, Company and Subscriber Organization shall select, in accordance with the terms of this Section 4(a) (Selection of OEPR Evaluator), an independent engineering firm from the firms listed on the OEPR Consultants List (the "OEPR Evaluator") to prepare an operational energy production report ("OEPR"). Each party shall select the names of two (2) firms from the OEPR Consultants List. If there is mutual agreement on one or both of the named firms, then the Subscriber Organization shall select one of the named firms to serve as the OEPR Evaluator. If there is no agreement on any of the named firms, then Subscriber Organization shall select one of the firms named by the Company.
- (b) Eligibility for Appointment as OEPR Evaluator. Both Parties agree that the engineering firms listed in Section 4(j) of this Attachment U (Calculation and Adjustment of Net Energy Potential) are fully qualified to prepare the OEPR. By mutual agreement between the Parties in writing, a name or names may be added to or removed from the OEPR Consultants List at any time. In no event shall there be less than three (3) names on the OEPR Consultants List.
- (c) OEPR Period of Record. It is the intent of the Parties that the OEPR shall be prepared using measured meteorological and production data from the OEPR Period of Record. However, although the OEPR Period of Record is a twelve-month period, the Parties

acknowledge that, in certain circumstances (e.g., Force Majeure), there may not be twelve months of data available for the OEPR Period of Record. In such case, (i) it is the intent of the Parties that the OEPR be prepared using such measured meteorological and production data that is available from the OEPR Period of Record and (ii) Parties may, by written agreement, direct the OEPR Evaluator to use such additional data outside of the OEPR Period of Record as the Parties may agree. The preceding sentence does not constitute a limitation on the professional judgment of the OEPR Evaluator as to the appropriateness of using measured meteorological and/or production from outside of the OEPR Period of Record.

- (d) Participation of Parties. Promptly following the Applicable NEP Verification Date, Subscriber Organization and Company shall provide the OEPR Evaluator with such data from the OEPR Period of Record as they consider to be material to the preparation of the OEPR. Subscriber Organization and Company shall also provide such additional data and information as the OEPR Evaluator may reasonably request. The Parties shall assist the OEPR Evaluator throughout the process of preparing the OEPR, including making key personnel and records available to the OEPR Evaluator, but neither Party shall be entitled to participate in any meetings with personnel of the other Party or review of the other Party's records. However, the OEPR Evaluator will have the right to conduct meetings, hearings or oral arguments in which both Parties are represented. Subscriber Organization and Company shall have forty-five (45) Days from issuance of the draft OEPR Report to review and provide feedback to the OEPR Evaluator on such report.
- (e) Terms of Engagement. Upon selection of the OEPR Evaluator, as set forth in this Attachment U (Calculation and Adjustment of Net Energy Potential), the Subscriber Organization shall retain and contract with the OEPR Evaluator in accordance with the terms of this Attachment U (Calculation and Adjustment of Net Energy Potential). The OEPR Evaluator's scope of work and expected deliverables for all OEPRs must be acceptable to Company and shall, among other things,

require the OEPR Evaluator to provide (i) an estimated single number with a P-Value of 95 for annual Net Energy that could be produced by the Facility based on the estimated long-term monthly and annual total of such production over a period of ten years; (ii) the data on plane of array of irradiance and corresponding power output used in arriving at the aforementioned estimated annual Net Energy; (iii) the GPR Performance Metric as provided in Section 2.6(b)(ii) (Commencing With Initial OEPR) or Section 2.6(b)(iii) (Commencing With First Subsequent OEPR and Thereafter) of this Agreement, as applicable; and (iv) any additional information that may be reasonably required by a Party with respect to the methodology used by the OEPR Evaluator to reach its conclusion. The provisions of this Attachment U (Calculation and Adjustment of Net Energy Potential) do not impose a limit on the OEPR Evaluator's professional judgment as to what other estimates (if any) to include in the OEPR. Without limiting the professional judgment of the OEPR Evaluator in estimating the Net Energy Potential and GPR Performance Metric, the following is a general description of how the Parties anticipate that the OEPR Evaluator will proceed:

The purpose of an OEPR is to implement the intent of the Parties as set forth in Section 1(a) (Net Energy Potential and the Intent of the Parties) of this Attachment U (Calculation and Adjustment of Net Energy Potential) by evaluating (i) whether, when the Renewable Resource Baseline (as estimated by the OEPR Evaluator on the basis of the typical meteorological year as derived from the Site's measured meteorological data) is present and the Facility is in Full Dispatch, the Facility is capable of doing what the Parties expected the Facility to do: i.e., generating and delivering to the Point of Interconnection electric energy in an amount consistent with the then applicable Net Energy Potential of the Facility (i.e., the estimate of Net Energy Potential then being used to calculate the monthly Lump Sum Payment pursuant to Section 3 (Calculation of Lump Sum Payment) of Attachment J

(Company Payments for Energy, Dispatchability and Availability of BESS to this Agreement); and (ii) if the Facility is not doing what the parties expected in this regard, identifying a new estimated single number with a P-Value of 95 for annual Net Energy that could be generated and delivered by the Facility based on the estimated long-term monthly and annual total of such production over a period of the next ten years.

At a high level, the analysis relies on reported Actual Output (i.e., energy delivered to the Point of Interconnection) during the OEPR Period of Record to estimate Facility performance over a future evaluation period of ten years. The data from the OEPR Period of Record are first quality screened and evaluated. One-time events are assessed and removed from the record where appropriate. Values for potential energy are then calculated from the reported energy production measured at the Point of Interconnection by adjusting for 100% availability and undispached energy. Suitable long-term reference data sets are then identified by analyzing the reference for irradiance and the normalized values for potential energy production at the Point of Interconnection over the OEPR Period of Record. Relationships between selected long-term reference irradiance data sets and normalized values for potential energy production at the Point of Interconnection are used to calculate long-term values for such on a monthly and annual basis. Finally, estimates of future Facility availability (taking into account anticipated maintenance) and losses (such as system degradation and balance of plant losses) are applied in order to calculate the Net Energy Potential. For this purpose, no reductions are made for future estimates of energy that Company may choose not to dispatch. If a copy of the IE Energy Assessment Report is available to the OEPR

Evaluator, the OEPR Evaluator should review such Report before commencing preparation of the OEPR and evaluate whether it is appropriate for the OEPR Evaluator to take into account any of the work reflected in the IE Energy Assessment Report.

(f) Timeline and Fees. The terms of engagement with the OEPR Evaluator shall require the OEPR Evaluator to provide, for Party review, a draft OEPR that shall include a NEP OEPR Estimate and a Guaranteed Measured Performance Ratio Benchmark within 30 Days following the NEP Applicable Verification Date. The OEPR Evaluator shall be required to provide its completed OEPR ("First OEPR") within 30 Days following the end of the Parties' 45-Day review period under Section 4(d) (Participation of the Parties) of this Attachment U (Calculation and Adjustment of Net Energy Potential). The Parties shall each pay fifty percent (50%) of the fees and expenses charged by the OEPR Evaluator in connection with the Initial OEPR. For the Initial OEPR, the OEPR Evaluator's fees and costs must be acceptable to Company. Subscriber Organization shall pay all of the fees and expenses charged by the OEPR Evaluator in connection with any Subsequent OEPR. Subscriber Organization shall also pay for any reasonable internal fees and costs incurred by the Company as a result of its participation in the process set forth in Section 4(d) (Participation of Parties) of this Attachment U (Calculation and Adjustment of Net Energy Potential).

(g) Review of the First OEPR Evaluator Report. In the event Company or Subscriber Organization does not agree with the NEP OEPR Estimate or GPR Performance Metric determined by the First OEPR Evaluator, Subscriber Organization or Company may, within 30 Days of issuance of the First OEPR, engage, at its own cost, a different expert evaluator from the OEPR Consultants List (the "Second OEPR Evaluator") to prepare a second OEPR that shall include a NEP OEPR Estimate or GPR Performance Metric, as applicable ("Second OEPR"). The terms of engagement with the Second OEPR Evaluator shall require the Second OEPR Evaluator to issue the Second OEPR within 60 Days following the date of its appointment. In the event the NEP OEPR Estimates or GPR Performance Metric, as applicable, provided by the First OEPR Evaluator and the Second OEPR Evaluator are different then, within

ten (10) Days of the issuance of the Second OEPR, the Parties shall, with the two evaluators, confer in an attempt to mutually agree upon a NEP OEPR Estimate or GPR Performance Metric, as applicable ("OEPR Conference").

- (h) Review of the Second OEPR Evaluator Report. If the Parties are unable to agree upon an NEP OEPR Estimate or GPR Performance Metric, as applicable, within 30 Days of the OEPR Conference, then within ten (10) Days thereafter the First OEPR Evaluator and Second OEPR Evaluator shall, by mutual agreement, select a third firm from the OEPR Consultants List to act as an independent OEPR Evaluator ("Third OEPR Evaluator"). The Third OEPR Evaluator shall not be a person from the same entity as the First OEPR Evaluator or the Second OEPR Evaluator. The Parties shall direct the Third OEPR Evaluator to review the First OEPR and Second OEPR and select one as the final and binding NEP OEPR Estimate and/or GPR Performance Metric, as applicable ("Third OEPR"). The Third OEPR Evaluator shall complete its review and selection of the NEP OEPR Estimate within thirty (30) Days following his or her retention. If the Third OEPR Evaluator selects the First OEPR, then the Party requesting the Second OEPR shall pay for the cost of the Third OEPR. If the Third OEPR Evaluator selects the Second OEPR, then the Parties shall each pay fifty percent (50%) of the fees and expenses charged by the Third OEPR Evaluator in connection with the Third OEPR.
- (i) Final, Binding and Conclusive. The Parties acknowledge the inherent uncertainty in estimating the Net Energy Potential and GPR Performance Metric and hereby assume the risk of such uncertainty and waive any right to dispute any of the qualification of the person or entity appointed as the OEPR Evaluator pursuant to Section 4(a) (Selection of OEPR Evaluator) and Section 4(b) (Eligibility for Appointment as OEPR Evaluator) of this Attachment U (Calculation and Adjustment of Net Energy Potential) of this Agreement, the appropriateness of the methodology used by OEPR Evaluator in preparing the OEPRs, the NEP OEPR Estimate and/or the GPR Performance Metric. Without limitation to the generality of the preceding sentence, the determination of the NEP OEPR Estimate and/or the GPR Performance Metric in the First OEPR,

Second OEPR (if applicable), or final decision of the Third OEPR Evaluator (if applicable) shall be final, conclusive and binding upon Company and Subscriber Organization and shall not be subject to further dispute under Article 28 (Dispute Resolution) of the Agreement; provided that, nothing in this Section 4(i) (Final, Binding and Conclusive) of this Attachment U (Calculation and Adjustment of Net Energy Potential) shall preclude Subscriber Organization from engaging an OEPR Evaluator to issue a Subsequent OEPR as allowed pursuant to Section 3 (Subsequent OEPRs) of this Attachment U (Calculation and Adjustment of Net Energy Potential).

- (j) Acceptable Persons and Entities. The OEPR Evaluator and Second OEPR Evaluator shall be selected from the following engineering firms listed below, subject to such additions or deletions effectuated by the Parties as provided in Section 2(f) (Eligibility for Appointment as Independent AF Evaluator) of Attachment T (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Agreement and Section 4(b) (Eligibility for Appointment as OEPR Evaluator) of this Attachment U (Calculation and Adjustment of Net Energy Potential):

DNV GL

UL

Black & Veatch

Leidos Engineering

Attachment V  
SUMMARY OF MAINTENANCE AND INSPECTION PERFORMED  
IN PRIOR CALENDAR YEAR

(See Article 5)

DATE WORK ORDER SUBMITTED: 06/28/96  
WO#: 11451  
EQUIPMENT #: 1CCF-TNK-1  
EQUIPMENT DESCRIPTION: AMMONIA STORAGE TANK 1  
PROBLEM DESCRIPTION: PURCHASE EMERGENCY ADAPTER FITTINGS FOR  
UNLOADING GASPRO TANKS TO STORAGE TANK

WORK PERFORMED: PURCHASED THE NEW ADAPTERS AND VERIFIED THEIR  
OPERATION.

COMPLETION DATE: 06/28/96  
WORK ORDER COMPLETED BY: AA

-----END OF CURRENT WORK ORDER-----

DATE WORK ORDER SUBMITTED: 05/19/96  
WO#: 11136  
EQUIPMENT #: 1WSA-BV-12  
EQUIPMENT DESCRIPTION: MAKE-UP PI ISOLATION  
PROGRAM DESCRIPTION: 'D' MAKE-UP PUMP PI ISOLATION FITTING LEAKING  
ON SPOOL SIDE

WORK PERFORMED: REMOVED AND REPLACED FITTINGS AND FLANGES WITH  
STAINLESS STEEL. THIS WORK WAS DONE DURING PUMP OVERHAUL ON WO  
1374. JH

COMPLETION DATE: 06/28/96  
WORK ORDER COMPLETED BY: BB

-----END OF CURRENT WORK ORDER-----



ATTACHMENT W  
BESS TESTS

Prior to achieving Commercial Operations and in each BESS Measurement Period, unless waived by Company, Subscriber Organization shall demonstrate that the BESS satisfies the following:

Maintains output provided by the Company through a control setpoint, as measured at the Point of Interconnection, and is able to continuously dispatch the full BESS Contract Capacity ("BESS Capacity Test").

Demonstrates the charging/discharging requisite to satisfy the performance standard set forth in Section 3(w) (Round Trip Efficiency) of Attachment B (Facility Owned by Subscriber Organization) ("RTE Test").

The RTE Test requires measurement of Charging Energy at the Point of Interconnection (MWh from the grid) from BESS 0% State of Charge to bring the BESS to a 100% State of Charge, followed by measurement at the Point of Interconnection of the MWh delivered to the grid to bring the BESS to a 0% State of Charge. The RTE Test will be conducted concurrently with the BESS Capacity Test.

The BESS Capacity Test can only be performed when the BESS is at the lower of: (i) its maximum State of Charge or (ii) 100% State of Charge prior to the start of the BESS Capacity Test and during the BESS Capacity Test the Company Dispatch allows for continuous dispatch of the BESS to 0% State of Charge with energy delivered to the Point of Interconnection.

For the purposes of evaluating the BESS Capacity Test, the "BESS Capacity Ratio" shall be equal to the number, expressed as a percentage, equal to the total MWh delivered to the Point of Interconnection during the BESS Capacity Test, divided by the BESS Contract Capacity. Further, the BESS Capacity Test will be deemed to be "passed" or "satisfied" to the extent the BESS Capacity Ratio is not less than **100%** (the "BESS Capacity Performance Metric").

For the purposes of evaluating the RTE Test, the RTE Ratio shall be equal to the number, expressed as a percentage, equal to the total MWh delivered to the Point of Interconnection during the BESS Capacity Test, divided by the "Charging Energy" measured at

the Point of Interconnection. For purposes of the RTE Test, the charging cycle shall begin when the BESS is at a 0% State of Charge prior to the commencement of the BESS Capacity Test and the Charging Energy is the amount of energy imported from the grid, as measured at the Point of Interconnection, that brings the BESS to a 100% State of Charge. The formula is  $\text{RTE Ratio} = \text{MWh discharge} / \text{MWh charge}$ . The RTE Test will be deemed to have been "passed" or "satisfied" to the extent the RTE Ratio is not less than the performance standard (the "RTE Performance Metric") set forth in Section 3(o) (Round Trip Efficiency of Attachment B (Facility Owned by Subscriber Organization)).

Except for the BESS Capacity Test conducted prior to Commercial Operations, Subscriber Organization shall, in lieu of conducting a BESS Capacity Test, be permitted to demonstrate satisfaction of the BESS Capacity Performance Metric by reference to the operational data reflecting the net output of the BESS from the Point of Interconnection for such BESS Measurement Period.

Except for the RTE Test conducted prior to Commercial Operations, Subscriber Organization shall, in lieu of conducting a RTE Test, be permitted to demonstrate satisfaction of the RTE Performance Metric by reference to the operational data reflecting the charging/discharging of the BESS from the Point of Interconnection during such BESS Measurement Period.

Any BESS Capacity Test or RTE Test (each a "BESS Test" and collectively, the "BESS Tests"), other than where the BESS Capacity Performance Metric or RTE Performance Metric, as applicable, is demonstrated by reference to operational data as provided below, shall be performed at a time reasonably requested by the Company in its sole discretion. For purposes of the preceding sentence, the PV System may be shutdown to ensure there are no restrictions or limitations imposed that would lower the maximum output of the BESS, provided that any such shutdown of the PV System would be considered Reserve Shutdown Hours for the purpose of calculation of the PV System Equivalent Availability Factor pursuant to Section 2.5(a) (Calculation of the PV System Equivalent Availability Factor). Within a BESS Measurement Period, Subscriber Organization shall be permitted up to a total of three (3) BESS Tests to demonstrate satisfaction of the BESS Capacity Performance Metric and the RTE Performance Metric for such BESS Measurement Period, unless additional such tests are authorized by Company. Company shall provide notice to Subscriber Organization no

less than three (3) Business Days prior to conducting a BESS Test.

At any time prior to conducting the third BESS Capacity Test noticed by Company for a BESS Measurement Period, Subscriber Organization may demonstrate satisfaction of the BESS Capacity Performance Metric by reference to operational data reflecting the net output of the BESS from the Point of Interconnection for such BESS Measurement Period. If, during a BESS Measurement Period, Subscriber Organization both fails to pass a BESS Capacity Test noticed by Company and fails to demonstrate satisfaction of the BESS Capacity Performance Metric by reference to operational data for such BESS Measurement Period, the BESS shall nevertheless be deemed to have satisfied the BESS Capacity Performance Metric for the applicable BESS Measurement Period if either (i) Company failed to notice at least three BESS Capacity Tests during such BESS Measurement Period, or (ii) Subscriber Organization was unable to perform at least two (2) such noticed BESS Capacity Tests during such BESS Measurement Period due to (a) conditions on the Company System other than Subscriber Organization-Attributable Non-Generation or (b) an act or omission by Company.

At any time prior to conducting the third RTE Test noticed by Company for a BESS Measurement Period, Subscriber Organization may demonstrate satisfaction of the RTE Performance Metric by reference to operational data reflecting charging/discharging of the BESS from the Point of Interconnection during such BESS Measurement Period. If, during a BESS Measurement Period, Subscriber Organization both fails to pass a RTE Test noticed by Company and fails to demonstrate satisfaction of the RTE Performance Metric by reference to operational data for such BESS Measurement Period, the BESS shall nevertheless be deemed to have satisfied the RTE Performance Metric for the applicable BESS Measurement Period if either (i) Company failed to notice at least three RTE Tests during such BESS Measurement Period, or (ii) Subscriber Organization was unable to perform at least two (2) such noticed RTE Tests during such BESS Measurement Period due to (a) conditions on the Company System other than Subscriber Organization-Attributable Non-Generation or (b) an act or omission by Company.

Company shall have the right to attend, observe and receive the results of all BESS Tests. Subscriber Organization shall provide to Company the results of each BESS Test (including time stamped graphs of system performance based in operational data

or test data) no later than ten (10) Business Days after the performance of such BESS Test.

ATTACHMENT X  
BESS ANNUAL EQUIVALENT AVAILABILITY FACTOR

To the extent the Commercial Operations Date occurs on a date other than the first day of a BESS Measurement Period, the period between the Commercial Operations Date and the first day of the next BESS Measurement Period if any, shall be ignored for purposes of this BESS Availability Test.

For the purposes of calculating the BESS Annual Equivalent Availability Factor for the first three (3) full BESS Measurement Periods in the first Contract Year, the calculation will assume that the BESS is one hundred percent (100%) available for the remaining hours of the Contract Year.

"BESS Annual Equivalent Availability Factor" shall be calculated as follows:

$$\text{BESS Annual Equivalent Availability Factor} = 100\% \times \frac{AH - EPDH - EUDH}{PH}$$

Where:

PH is period hours (8760 hours; except leap year is 8784) minus ExcludedTime.

Available Hours (AH) is the number of hours that the BESS is not on Outage. It is sum of all Service Hours (SH) + Reserve Shutdown Hours (RSH).

An "Outage" exists whenever the entire BESS is offline and unable to charge or discharge electric energy and is not in Reserve Shutdown state.

Service Hours (SH) is the number of hours during the LD Period the BESS is online and (i) charging from the PV System or (ii) discharging electric energy to the Company System.

Reserve Shutdown Hours (RSH) is the number of hours the BESS is available but not charging or discharging electric energy or is offline for reasons other than Subscriber Organization-Attributable Non-Generation.

EPDH is the equivalent planned derated hours, including Planned Derations (PD) and Maintenance Derations (D4). A Planned Deration is when the BESS experiences a Deration scheduled well in advance and for a predetermined duration. A Maintenance Deration is a Deration that can be deferred beyond the end of the next weekend (Sunday at midnight or before Sunday turns into Monday) but requires a reduction in capacity before the next Planned Deration (PD). Each individual Deration is transformed into equivalent full outage hour(s) by multiplying the actual duration of the Deration (hours) by (i) the size of the reduction (MW) divided by (ii) Maximum Rated Output. These equivalent hour(s) are then summed.

EUDH is the equivalent unplanned derated hours. An Unplanned Deration (Forced Derating) occurs when the BESS experiences a Deration that requires a reduction in availability before the end of the nearest following weekend. Unplanned Derations include only those due to Subscriber Organization-Attributable Non-Generation or those by Company pursuant to Section 8.3 (Company Rights of Dispatch). Each individual Unplanned Deration is transformed into equivalent full outage hour(s) by multiplying the actual duration of the Deration (hours) by (i) the size of the reduction (MW) divided by (ii) the Maximum Rated Output. These equivalent hour(s) are then summed.

A "Deration" exists when, due to Subscriber Organization-Attributable Non-Generation, the BESS is available but at less than full capacity. Each individual Deration is transformed into equivalent full outage hour(s) by multiplying the actual duration of the derating (hours) by the size of the reduction (MW) and dividing by the Maximum Rated Output. These equivalent hour(s) are then summed. For the avoidance of doubt, if the BESS is in an Outage it cannot also be in a Deration.

ExcludedTime is unavailability as a result of the entire BESS or a portion of the BESS being unavailable due to Force Majeure. The hours and/or equivalent hours of ExcludedTime shall not be added to Available Hours and shall be subtracted from Period Hours. Each event that counts as ExcludedTime is transformed into equivalent full outage hour(s) by multiplying the

actual duration of the event by the size of the reduction (MW) and dividing by Maximum Rated Output. These hour(s) are then summed.

The effect of Force Majeure is taken into account in calculating the BESS Annual Equivalent Availability Factor over a 12 calendar month period as follows: When such 12 month period contains a month during which the BESS or a portion of the BESS is unavailable due to Force Majeure, then such month shall be excluded from the 12 month period and the calculation period shall be extended back in time to include the next previous month during which there was no such unavailability of the BESS or a portion thereof due to Force Majeure.

The following examples are provided as illustrative examples only:

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*Example A:* BESS System was continuously available, with no maintenance or Unplanned (Forced) Derations. In this case AH = 8760, EPDH and EUDH = 0 hours

$$\text{BESS EAF} = 100\% \times \frac{8,760-0}{8,760} = 100\%$$

*Example B:* Maintenance Deration Hours = 168 hours

Equivalent Unplanned (Forced) Derated Hours = 100 hours

$$\text{AH} = 8,760 - 168 = 8,592$$

$$\text{BESS EAF} = 100\% \times \frac{8,592-100}{8,760} = 96.9\%$$

ATTACHMENT Y  
BESS ANNUAL EQUIVALENT FORCED OUTAGE FACTOR

$$EFOF = 100\% \times \frac{(FOH + EUDH)}{8760}$$

Where:

Equivalent Unplanned (Forced) Derated Hours (EUDH) is the equivalent unplanned derated hours. Each (Unplanned Forced) Deration of the BESS is transformed into equivalent full outage hour(s). This is calculated by multiplying the actual duration of the Deration (hours) by (i) the size of the reduction (MW) divided by (ii) the Maximum Rated Output. These equivalent hour(s) are then summed for the BESS Measurement Period and added to the sum of the EUDH for the immediately preceding three (3) full BESS Measurement Periods.

- Hours of Deration x Size of Reduction)/Maximum Rated Output

Forced Outage Hours (FOH) = Sum of all hours experienced during Unplanned (Forced) Outages during the applicable BESS Measurement Period and the sum of all hours experienced during Unplanned (Forced) Outages during the immediately preceding three (3) full BESS Measurement Periods, in each case caused by Subscriber Organization-Attributable Non-Generation.

Unplanned (Forced) Derating: A Deration that requires a reduction in capacity of the BESS before the end of the nearest following weekend.

Unplanned (Forced) Outage: An outage that requires removal of the entire BESS from service before the end of the nearest following weekend that is not planned.

EXAMPLE CALCULATION:

Assume a 50 MW BESS that for the BESS Measurement Period in question was completely out of service for 50 hours. For the BESS Measurement Period in question, it also had the following deratings:

Duration of Derating	MW Size Reduction
100 Hours	25 MW
20 Hours	20 MW
50 Hours	5 MW



During the three preceding BESS Measurement Periods, the BESS had a total of 150 Forced Outage Hours and a total of 100 Equivalent Forced Derated Hours.

$$FOH = 50 \text{ hours} + 150 \text{ hours} = 200 \text{ hours}$$

$$EUDH = ((100 \times 25) / 50) + ((20 \times 20) / 50) + ((50 \times 5) / 50) + 100 = 163 \text{ hours}$$

$$EFOF = 100\% \times \frac{(200 + 163)}{8760} = 4.1\%$$

# EXHIBIT 11

CBRE Mid-Tier RDG PPA (PV+storage only)



**DRAFT**

***CBRE Phase 2***

***STANDARD FORM CONTRACT / MID-TIER***

***Renewable Dispatchable Generation***

***(PV + BESS)***

***July 9, 2020 Version***

This document assumes that the proposed generation facility will be paired with a battery energy storage system ("BESS"), and therefore, contains terms and conditions with respect to the BESS. If a generation only proposal is selected for the Mid-Tier Project RFP's final award group, the BESS specific provisions will be removed for the CBRE Phase 2 RDG-PPA SFC for such project proposal.

<b>Attachment A</b>	<b>Schedule Of Defined Terms</b>
<b>Attachment B</b>	Company Payments For Energy, Dispatchability And Availability Of Bess
<b>Attachment C</b>	Required Performance Metrics; Liquidated Damages
<b>Attachment D</b>	Calculation And Adjustment Of Net Energy Potential
<b>Attachment E</b>	Monthly Reporting And Dispute Resolution By Independent AF Evaluator
<b>Attachment F</b>	CBRE Facility Owned By Subscriber Organization
<b>Exhibit F-1</b>	Description Of Generation And Battery Storage Facilities
<b>Exhibit F-2</b>	Consultants List
<b>Exhibit F-3</b>	Modeling Requirements
<b>Exhibit F-4</b>	Generator And Energy Storage Capability Curve(S)
<b>Exhibit F-5</b>	Single-Line Drawing And Interface Block Diagram
<b>Exhibit F-6</b>	Relay List And Trip Scheme
<b>Attachment G</b>	Company-Owned Interconnection Facilities
<b>Exhibit G-1</b>	Form Of Letter Of Credit
<b>Attachment H</b>	Bess Requirements
<b>Section 1</b>	Bess Test
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<b>Attachment I</b>	Facility's CBRE Program

**STANDARD FORM CONTRACT FOR  
HAWAI'I COMMUNITY BASED RENEWABLE ENERGY – DISPATCHABLE GENERATION PHASE TWO  
[MID-TIER CBRE]**

**THIS STANDARD FORM CONTRACT FOR HAWAI'I COMMUNITY BASED RENEWABLE ENERGY – DISPATCHABLE GENERATION PHASE TWO** (“Contract”) is entered into as of \_\_\_\_\_, 20\_\_ (the “Effective Date”), by [Hawaiian Electric Company, Inc., Maui Electric Company, Ltd., Hawai'i Electric Light Company, Inc.], a Hawai'i corporation (“Company”) and \_\_\_\_\_ (“Subscriber Organization”). Together, the Company and Subscriber Organization are the “Parties” and may singularly each be referred to as a “Party”.

**RECITALS**

**WHEREAS**, Company is an operating electric public utility engaged in the generation, transmission, distribution, storage, regulation, or physical control of electricity (“Company System”) on the Island of [Hawai'i, Moloka'i, Maui, O'ahu], subject to the Hawai'i Public Utilities Law (Hawai'i Revised Statutes, Chapter 269) and the rules and regulations of the Hawai'i Public Utilities Commission (“PUC” or the “Commission”); and

**WHEREAS**, the Company System is operated as an independent power grid and must both maximize system reliability for its customers by ensuring that sufficient generation is available that meets the Company's requirements for voltage stability, frequency stability, and reliability standards; and

**WHEREAS**, Company desires to minimize fluctuations in its purchased energy costs by acquiring renewable dispatchable generation at a fixed Unit Price; and

**WHEREAS**, Subscriber Organization understands the need to use all commercially reasonable efforts to maximize the overall reliability of the Company System; and

**WHEREAS**, Subscriber Organization is an “approved Subscriber Organization,” as defined in the Company's Community-Based Renewable Energy (“CBRE”) Program Phase 2 Tariff (“CBRE Tariff”), and desires to construct and operate a dispatchable generation renewable energy system (“CBRE Facility”) that is classified as an eligible resource under Hawai'i's Renewable Portfolio Standards Statute (codified as Hawai'i Revised Statutes (HRS) 269-91 through 269-95) and qualifies for the CBRE Program together with a safe, reliable and operationally flexible battery energy storage system (“BESS”) so as to provide the Company System with those benefits and services associated with renewable energy generation and energy storage services, as defined herein; and

**WHEREAS**, this Contract applies to CBRE Facilities which provide greater than 250 kW and less than 2.5 MW [5 MW for O'ahu] of renewable dispatchable generation and is entered into in accordance with the terms and conditions contained herein, the CBRE Tariff and Company Rule 14, Paragraph H (Interconnection of Distributed Generating Facilities Operating in Parallel With The Company's Electric System) (“Rule 14H”); and

**WHEREAS**, the Parties agree to allow Subscriber Organization to interconnect and operate the CBRE Facility in parallel with the Company System so long as all applicable requirements and conditions of this Contract, the CBRE Tariff and Rule 14H have been satisfied; and

**WHEREAS**, the PV System to be developed by the Subscriber Organization will be an established or planned electrical energy generation system with a nameplate capacity of \_\_\_\_\_ kilowatts of alternating current (AC) (“PV System”); and

**WHEREAS**, the BESS to be installed by the Subscriber Organization will be an electrical energy battery storage system with a nameplate capacity in kilowatts of \_\_\_\_\_ and in kilowatt-hours [kWh] of \_\_\_\_\_; and

**WHEREAS**, the CBRE Facility will be installed and operated on property located at \_\_\_\_\_, Island of \_\_\_\_\_, State of Hawai'i and more fully described in Attachment F (CBRE Facility Owned by Subscriber Organization), Exhibit F-1 (Description of Generation and Battery Storage Facilities) to the Contract; and

**WHEREAS**, Subscriber Organization desires to sell to Company, and Company agrees to purchase, subject to the terms and conditions set forth herein, (i) the Actual Output produced by the Facility and delivered to the Point of Interconnection; (ii) the availability of the BESS; and (iii) the availability of the Facility's Net Energy Potential for Company Dispatch in accordance with this Contract;

**NOW, THEREFORE**, in consideration of the premises and the respective promises herein, Company and Subscriber Organization hereby agree as follows:

### AGREEMENT

1. **DEFINITIONS.** Capitalized terms in this Contract shall have the meanings set forth in the Schedule of Defined Terms in Attachment A hereto.

2. **PARALLEL OPERATION.** Company agrees to allow Subscriber Organization to interconnect and operate the Facility to provide renewable dispatchable generation and energy in parallel with the Company System; provided, however, that such interconnection and operation shall not: (i) adversely affect Company's property or the operations of its customers and customers' property; (ii) present safety hazards to the Company System, Company's property or employees or Company's customers or the customers' property or employees; or (iii) otherwise fail to comply with this Contract. Such parallel operation shall be contingent upon the satisfactory completion, as determined solely by Company, of the Acceptance Test and, to the extent applicable, the Control System Acceptance Test, in accordance with Good Engineering and Operating Practices.

3. **TERM.**

A. The Term of this Contract shall begin when signed by the Parties and end twenty (20) years after the Commercial Operations Date unless otherwise provided for in this Contract.

B. This Contract shall continue in full force and effect as set forth above, until the earliest date that one of the following events occurs:

1. The Parties agree in writing to terminate the Contract; or

2. Subscriber Organization elects, by written notice to the Company, to terminate this Contract at any time prior to completion of the final acceptance testing of the CBRE Facility by the Company. Upon receipt of such notice, the Company shall take reasonable steps to minimize additional costs to the Subscriber Organization, where reasonably possible; or

3. Company may terminate this Contract after thirty (30) days written notice to the Subscriber Organization if Subscriber Organization fails to interconnect and operate the CBRE Facility pursuant to the terms of this Contract.

4. **BILLING AND PAYMENT PROVISIONS.**

A. Purchase and Sale of Renewable Energy, Dispatchability of CBRE Facility and Availability of the BESS. Subject to the other provisions of this Contract, Company shall, through a combination of Bill Credits allocated among CBRE Facility Subscribers and payments to Subscriber Organization, pay for: (i)

the Actual Output produced by the CBRE Facility and delivered to the Point of Interconnection in response to Company Dispatch of the CBRE Facility; (ii) the availability of the CBRE Facility's Net Energy Potential for Company Dispatch in accordance with this Contract; and (iii) the availability of the BESS. Included in such purchase are all of the Environmental Credits associated with the renewable energy. Company will not reimburse Subscriber Organization for any taxes or fees imposed on Subscriber Organization including, but not limited to, State of Hawai'i general excise tax.

B. Lump Sum Payment. Commencing on the Commercial Operations Date, Company shall pay a monthly lump sum payment (Lump Sum Payment), to be apportioned between Subscribed and Unsubscribed RDG, as provided in Section 2 (Lump Sum Payment for Purchase of Dispatchability) of Attachment B to this Contract (Company Payments for Energy, Dispatchability and Availability of BESS). As more fully set forth in Section 3 (Calculation of Lump Sum Payment) of Attachment B, the monthly Lump Sum Payment shall be calculated and adjusted to reflect changes in the estimate of the CBRE Facility's Net Energy Potential as such estimate is revised from time to time as more fully set forth in Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract. For purposes of calculating the monthly Lump Sum Payment, the monthly Lump Sum Payment shall be adjusted downward to account for the time the RE System(s) are not available for Company Dispatch because of a Force Majeure condition (i) at the CBRE Facility or (ii) that otherwise delays or prevents the Subscriber Organization from making the PV System(s) in question available for Company Dispatch, as more fully set forth in Section 3.iv (Calculation of Lump Sum Payment) of Attachment B.

C. Assurance of Capability of CBRE Facility to Deliver Net Energy Potential and Availability of BESS. In order to provide Company with reasonable assurance that, subject to the Renewable Resource Variability, the CBRE Facility's Net Energy Potential will be available for Company Dispatch: (i) the RE System Equivalent Availability Factor Performance Metric shall be used to evaluate the availability of the RE System for dispatch by Company; (ii) the Guaranteed Performance Ratio ("GPR") Performance Metric shall be used to evaluate the efficiency of the RE System; (iii) the BESS Capacity Performance Metric shall be used to confirm the capability of the BESS to discharge continuously for six (6) hours at Maximum Rated Output or to discharge continuously for a total energy (MWh) equal to the BESS Contract Capacity if the test is conducted at less than Maximum Rated Output; (iv) the BESS EAF Performance Metric shall be used to determine whether the BESS is meeting its expected availability; and (v) the BESS EFOF Performance Metric shall be used to evaluate whether the BESS is experiencing excessive unplanned outages. Whenever the RE System potential output is in excess of the Company Dispatch, the excess energy from the RE System shall be used to maximize the BESS State of Charge so long as this does not conflict with the operating parameters of the BESS set forth in Section 9(d)(Battery Energy Storage System) of Attachment F (CBRE Facility Owned by Subscriber Organization) to this Contract. Subscriber Organization shall design, operate and maintain the CBRE Facility in a manner consistent with the standard of care reasonably expected of an experienced owner/operator with the desire and financial resources necessary to design, operate and maintain the CBRE Facility to achieve the Performance Metrics. The foregoing is without limitation to Subscriber Organization's other obligations under this Contract, including the obligation to operate the CBRE Facility in accordance with Good Engineering and Operating Practices. The Performance Metrics are set forth in Attachment C (Required Performance Metrics; Liquidated Damages for Failure to Achieve Performance Metrics) of this Contract and shall be interpreted consistent with the North American Electric Reliability Corporation Generating Availability Data System ("NERC GADS") Data Reporting Instructions.

D. No Payments Prior to Commercial Operations Date. CBRE Facilities shall be subject to an Acceptance Test and a Control System Acceptance Test prior to initial parallel operation. Company may

accept test energy delivered by Subscriber Organization as provided in Attachment B to this Contract. The procedures for such tests will be provided to Subscriber Organization by the Company prior to executing this Contract. Company shall not compensate Subscriber Organization for such test energy.

E. Sale of Energy to Third Parties. Subscriber Organization shall not sell the renewable energy produced, stored or associated with the CBRE Facility, to any person or entity other than the Company during the Term of this Contract.

F. Subscriber Organization's Preparation of the Monthly Invoice. By the tenth (10th) Business Day of each calendar month, Subscriber Organization shall submit to Company an invoice that separately states the following for the preceding calendar month: (i) the Actual Output during the preceding calendar month; (ii) the monthly Lump Sum Payment for the preceding calendar month; (iii) a computation, based on the updated Monthly Subscriber Information for such preceding calendar month as provided pursuant to Section 4 (Updating Monthly Subscriber Information Used to Calculate Bill Credits and Other Matters) of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) to this Contract, of each Subscriber's Subscriber Allocation for the preceding month stated as a percentage of Contract Capacity; (iv) the Unsubscribed RDG for the preceding calendar month stated as a percentage of Contract Capacity; (v) a computation, based on each Subscriber's Subscriber Allocation, of the dollar amount of the Bill Credit to which each Subscriber is entitled for the monthly Lump Sum Payment for the preceding calendar month; (vi) the dollar amount owing to Subscriber Organization for its share of the monthly Lump Sum Payment for the preceding calendar month; and (vii) as a credit against the amount owing to the Subscriber Organization, the amounts payable by Subscriber Organization under Section 8.D (Subscriber Organization Payments) of this Contract and any other applicable Subscriber Organization Fees as set forth in Section 8.C (Subscriber Organization Fees) to this Contract. The dollar amount payable to the Subscriber Organization shall be subject to adjustment as provided in Section 5 (Adjusting Payment to Subscriber Organization) of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) to this Contract.

G. Payment Procedures.

1. Payments to Subscriber Organization. By the twentieth (20th) Business Day of each calendar month following the month during which the invoice was submitted (i.e., by the twentieth (20th) Business Day of the second calendar month following the calendar month covered by the invoice in question), no later than the last Business Day of that month if there are less than twenty (20) Business Days in that month), Company shall, make payment to Subscriber Organization of the amount payable for the Unsubscribed RDG shown on such invoice, or provide to Subscriber Organization an itemized statement of its objections to all or any portion of such invoice and pay Subscriber Organization its share of any undisputed amount. Any such payment to the Subscriber Organization shall be subject to adjustment as provided in Section 5 (Adjusting Payment to Subscriber Organization) of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) to this Contract, and shall also be subject to Company's right to set-off liquidated damages as provided in Attachment C, Section 7 (Payment of Liquidated Damages for Failure to Achieve Performance Metrics; Limitation on Liquidated Damages) of this Contract.

2. Time Extensions. Notwithstanding the foregoing, the Day by which the Company shall make payment to Subscriber Organization hereunder shall be increased by one (1) Day for each Day that Subscriber Organization is delinquent in providing to the Company either: (i) the Monthly Report for the calendar month in question pursuant to Section 1 (Monthly Report) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this

Contract; or (ii) the information required under Section 4.F (Subscriber Organization's Preparation of the Monthly Invoice) of this Contract.

H. Bill Credits.

1. The sole means of payment for each Subscriber Allocation for the calendar month covered by the invoice shall be by a Bill Credit on such Subscriber's retail electric bill. The Bill Credit shall be calculated on the undisputed amount of Subscriber Organization's invoice pursuant to Attachment B of this Contract. Because not all of Company's customers have the same billing cycle, the timing of the appearance of the Bill Credit will vary with the Subscriber's billing cycle, but Company shall cause the Bill Credit to appear on each Subscriber's retail electric bill no later than the next billing cycle for such Subscriber following the due date for Company's payment to Subscriber Organization for the Unsubscribed RDG on the corresponding invoice. The calendar month upon which the Bill Credit is based shall not necessarily match the billing period for the retail electric service bill in which the Bill Credit is applied.

2. For purposes of applying the Bill Credit to each Subscriber's retail electric bill, the Company shall be entitled to rely exclusively on the Monthly Subscription Information as timely entered by the Subscriber Organization via the CBRE Online Portal as set forth in Section 4 (Updating Monthly Subscriber Information Used to Calculate Bill Credits and Other Matters) of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) to this Contract.

3. If there is a breach, error or changed circumstances resulting in some portion of the monthly Lump Sum Payment being assigned to a Subscriber in excess of such Subscriber's allowable Subscriber Allocation under the CBRE Tariff, then the Company may treat this excess as an "overpayment" of the Subscriber Allocation and reduce the Bill Credit(s) to such Subscriber for the following calendar month for overpayment in proportion to the excess allocation received in error. Payment to the Subscriber Organization for such Unsubscribed RDG shall only occur if no corresponding Bill Credit is made to a Subscriber, or if already allocated, if such allocation is corrected and withdrawn from such Subscriber. The intent of the Parties is to ensure that no production from the CBRE Facility is double-counted to any Subscriber and/or Subscriber Organization.

I. Late Payments. Notwithstanding all or any portion of such invoice in dispute, and subject to the provisions of Section 7(A)(iii) of Attachment C to this Contract (to the extent applicable), interest shall accrue on any invoiced amount that remains unpaid following the twentieth (20th) Business Day of each calendar month (or the last Business Day of that month if there are less than twenty Business Days in that month), or following the due date for such payment if extended pursuant to Section 4.G (Payment Procedures), at the average daily Prime Rate for the period commencing on the Day following the Day such payment is due until the invoiced amounts (or amounts due to Subscriber Organization if determined to be less than the invoiced amounts) are paid in full. Partial payments shall be applied first to outstanding interest and then to outstanding invoice amounts.

J. Adjustments to Invoices After Payment. In the event adjustments are required to correct inaccuracies in an invoice after payment, the Party requesting adjustment shall recompute and include in the Party's request the principal amounts due during the period of the inaccuracy together with the amount of interest from the date that such invoice was payable until the date that such recomputed amount is paid at the average daily Prime Rate for the period. The difference between the amount paid and that recomputed for the invoice, along with the allowable amount of interest, shall either be (i) paid to



Subscriber Organization or set-off by Company, as appropriate, in the next invoice payment to Subscriber Organization, or (ii) objected to by the Party responsible for such payment within thirty (30) Days following its receipt of such request. If the Party responsible for such payment objects to the request, then the Parties shall work together in good faith to resolve the objection. If the Parties are unable to resolve the objection, the matter shall be resolved pursuant to Section 17 (Dispute Resolution). All claims for adjustments shall be waived for any amounts that were paid or should have been payable more than thirty-six (36) months preceding the date of receipt of any such request.

K. Company's Billing Records. Subscriber Organization, after giving reasonable advance written notice to Company, shall have the right to review all billing, metering and related records necessary to verify the accuracy of payments relating to the Facility during Company's normal working hours on Business Days. Company shall maintain such records for a period of not less than thirty-six (36) months.

L. Limitations Period. All Subscriber Organization claims for adjustments shall be submitted to the Company within three years of the end of the calendar month covered by the invoice on which the adjustment amount in question was invoiced or should have been invoiced. Claims not submitted to the Company by the end of such three-year period shall be deemed to have been waived.

M. Company's Billing Records. Subscriber Organization, after giving reasonable advance written notice to Company, shall have the right during Company's normal working hours on Business Days to review all billing, metering and related records necessary to verify the accuracy of the data provided by Company regarding payments and credits.

N. Subscriber Organization Responsibility for Billing Inaccuracies. The correction of any allocation of previously-applied Bill Credits among Subscribers or payments to the Subscriber Organization for Unsubscribed RDG, pertaining to a particular month due to any inaccuracy reflected in such Monthly Subscription Information with regard to a Subscriber's Subscription in the CBRE Facility and the beneficial share of (RDG / NEP) exported by the CBRE Facility, or the share of Unsubscribed RDG, shall be the full responsibility of the Subscriber Organization, unless such inaccuracies are caused by the Company.

## 5. COMPANY DISPATCH.

A. General. Company shall have the right to dispatch all available real and reactive power delivered from the CBRE Facility to the Company System and to start up and shut down Subscriber Organization's generating units, as it deems appropriate in its reasonable discretion, subject only to Company Dispatch and Subscriber Organization's maintenance schedule determined in accordance with Section 9 (Maintenance Plan) to Attachment F. Because CBRE Facility must be available to respond to Company Dispatch, the Facility may not consume any energy generated by the Facility. Company shall not pay for reactive power.

B. Company Dispatch. Dispatch will either be by Subscriber Organization's manual control under the direction of the Company System Operator or by remote computerized control by the EMS provided in Section 1(g) (Active Power Control Interface) of Attachment F (- Subscriber Organization-Owned Generating Facility And Interconnection Facilities ), in each case at Company's reasonable discretion.

C. Company Rights of Dispatch. Company may require deration or outage in response to the CBRE Facility's failure to comply with Company Dispatch or to any conditions of Subscriber Organization-Attributable Non-Generation. A deration or outage required by Company pursuant to the preceding sentence shall be considered a Planned Deration and shall "count against" Subscriber Organization for the purpose of calculating the PV System Equivalent Availability Factor until the conditions that led to the

deration or outage are resolved by Subscriber Organization and Subscriber Organization notifies Company of same. If, after such communication, Company attempts to dispatch the CBRE Facility and determines that such conditions that led to the deration or outage are not resolved, all time from the notice of resolution to actual resolution shall be revised as continuance of the deration or outage. If Subscriber Organization requests confirmation from Company that Subscriber Organization's actions to resolve such conditions that led to the deration or outage were successfully completed, then Company shall use reasonable efforts to respond to such request within three (3) Business Days in writing (with email being acceptable) to allow Subscriber Organization the opportunity to take further appropriate corrective actions if needed. An outage or deration required by Company pursuant to the first sentence of this sub-section shall not be considered a "restriction or limitation that would lower maximum output" of the CBRE Facility for purposes of filtering the 15-minute intervals used to calculate the MPR under Section 2(a) of Attachment C (Required Performance Metrics; Liquidated Damages) to this Contract and shall, therefore, potentially "count against" Subscriber Organization for purposes of calculating MPR until the conditions that led to such outage or deration are resolved by Subscriber Organization to Company's reasonable satisfaction. Nothing in this sub-section shall relieve Subscriber Organization of its obligation under the terms of this Contract to make available the full capability of the CBRE Facility for Company Dispatch.

D. Monthly Report. Commencing with the month during which the Commercial Operations Date is achieved, and for each calendar month thereafter during the Term, Subscriber Organization shall prepare and provide to Company a Monthly Report by the tenth (10th) Business Day of the following month in accordance with Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract. Beginning with the Monthly Report for the last calendar month of the initial Contract Year, Subscriber Organization shall include calculations of, as applicable, (a) the PV System Equivalent Availability Factor for the LD Period, (b) the Measured Performance Ratio for the MPR Assessment Period, (c) any of the BESS Capacity Ratio, the BESS Annual Equivalent Availability Factor or the BESS Equivalent Forced Outage Factor for the BESS Measurement Period (if any), as well as (d) any liquidated damages to be assessed, as set forth in the form of Monthly Report set forth in Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator). All rights and obligations of the Parties with respect to each Monthly Report and any disagreements arising out of any Monthly Report are fully set forth in Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract.

**6. HOUSE POWER.** The Company will sell House Power to the CBRE Facility under the rate schedule in force for the class of customer to which the Subscriber Organization belongs. A separate meter to record energy delivered to the CBRE Facility may be installed by the Company. The Subscriber Organization shall be solely responsible for arranging retail electric service exclusively from the Company in accordance with the Company's Electric Rate Book. The Subscriber Organization shall obtain House Power solely through separately metered retail service and shall not obtain House Power through any other means and waives any regulatory or other legal claim or right to the contrary. Because the Subscriber Organization must make all energy produced by the CBRE Facility available to the Company, the CBRE Facility may not use the energy it generates to be consumed by it. It may not net-out or use energy it generates for House Power. The Parties acknowledge and agree that the performance of their respective obligations with respect to House Power shall be separate from this Contract and shall be interpreted independently of the Parties' respective obligations under this Contract. Notwithstanding any other provision in this Contract, nothing with respect to the arrangements for House Power shall alter or modify the Subscriber Organization's or the Company's rights, duties and obligations under this Contract. This Contract shall not be construed to create any rights between the Subscriber Organization and the Company with respect to the arrangements for House Power.

**7. METERING REQUIREMENTS, CHARGES AND TESTING.**

A. Company shall install, operate and maintain for the benefit of the CBRE Facility, a revenue metering package suitable for measuring the export of renewable energy (AC) produced by the CBRE Facility in kilowatts and kilowatt-hours on a time-of-day basis and reactive power flow in kilovars and true root mean square kilovar-hours (the "Revenue Meter"). The metering point for the Revenue Meter shall be as close as possible to the Point of Interconnection as allowed by Company.

B. Subscriber Organization, subject to Company review and approval, shall purchase, install, and maintain the infrastructure and other related equipment ("Meter Infrastructure") including meter housing, socket replacement and rewiring as required to install the Revenue Meter and any additional service meter(s), including, but not limited to, such meters for measuring House Power. Subscriber Organization shall install the Meter Infrastructure in adherence with requirements set forth in the latest edition of the Company's Electric Service Installation Manual (ESIM). Company shall test the Production Meter prior to installation and at the request and expense of the Subscriber Organization.

C. Subscriber Organization shall reimburse Company for the costs reasonably incurred for the purchase and installation of the Revenue Meter. Subscriber Organization shall be responsible for the ongoing costs incurred by Company to operate, maintain (including maintenance replacements) and test the Revenue Meter during the Term.

D. Subscriber Organization shall reimburse Company for the costs reasonably incurred for the purchase and installation of the Revenue Meter. Subscriber Organization shall be responsible for the ongoing costs incurred by Company to operate, maintain (including maintenance replacements) and test the Revenue Meter during the Term.

E. Metering Charge per Month: \$25.00. Subscriber Organization shall be charged each month during the Term an administrative metering fee of a \$25.00 for the Revenue Meter. The administrative metering fee is addition to the costs associated with the purchase, installation, maintenance and testing of the Revenue Meter and Meter Infrastructure.

F. Meter Testing. Company shall provide at least forty-eight (48) hours' notice to Subscriber Organization prior to any test it may perform on the Revenue Meter or metering equipment. Subscriber Organization may request tests in addition to the every fifth-year test and Subscriber Organization shall pay the cost of such tests. Company may perform tests in addition to the fifth-year test. If any of the revenue meters or metering equipment is found to be inaccurate at any time, as determined by testing in accordance with this section, Company shall promptly cause such equipment to be made accurate, and the period of inaccuracy, as well as an estimate for correct meter readings, shall be determined as provided in Company's Tariff Rule No.11 (Billing Error, Meter Tests and Adjustment for Meter Errors).

**8. CBRE TARIFF REQUIREMENTS.**

A. CBRE Framework and Tariff. The Subscriber Organization shall comply with and assure that the requirements of the Phase 2 CBRE Framework and CBRE Tariff applicable to the CBRE Facility are met.

B. Subscription Agreement. Subscriber Organization shall require all prospective Subscribers to execute a Subscription as a precondition to enrollment as a Subscriber in the CBRE Facility. The Subscription Agreement must satisfy the requirements of the CBRE Tariff, the Phase 2 CBRE Framework, this Contract and any additional guidance from the PUC. Without limitation to the generality of the

preceding sentence, the Subscription Agreement must include the right for the Subscriber to sell the Subscription, either a portion or the entirety thereof, back to Subscriber Organization. The Subscriber Agreement shall require that the Subscriber Organization must buy back the interest in accordance with the preset repurchase/resale price schedule outlined in the Subscriber Agreement within thirty (30) Days of the Subscriber's request. Prior to executing the Subscription Agreement, the Subscriber Organization shall make to the Subscriber the disclosures required under the Disclosure Checklist (Appendix II to the CBRE Tariff). A copy of the Disclosure Checklist signed by both the Subscriber Organization and the Subscriber shall be attached to the executed Subscription Agreement. The Subscriber Organization shall also disclose to the Subscriber that a failure to pay such Subscriber's monthly retail electric bill that results in Company issuance of a disconnection notice will result in forfeiture of Bill Credits for the duration of such disconnection. For each Subscriber, there must be a completed and fully executed Subscriber Agency Agreement and Consent Form (Appendix I to the CBRE Tariff), which is delivered to the Company prior to the Commercial Operations Date, or prior to adding each Subscriber.

C. Funds Received From Subscribers Prior to the Commercial Operations Date. Any payments made to Subscriber Organization by Subscribers prior to the Commercial Operations Date shall be deposited into an escrow account ("Pre-COD Escrow") and may not be withdrawn from the Pre-COD Escrow by the Subscriber Organization until the Commercial Operations Date. The Pre-COD Escrow must conform to the CBRE Tariff, the Phase 2 CBRE Framework, applicable Laws and any additional guidance from the PUC.

D. Subscriber Organization Fees. Subscriber Organization shall pay to Company the following fees:

- \$1,000 Application Fee (once)
- All applicable late fees for failure to meet Commercial Operations Date
- All applicable interconnection costs, fees and expenses, including costs associated with acquisition and installation of the Revenue Meter
- All applicable costs for the operation, maintenance and testing of the Revenue Meter
- \$5/kW AC Program Administration Fee (annually), from the Commercial Operations Date
- \$25.00 (monthly) Revenue Meter Administration Fee
- Such other fees as the PUC may establish for the CBRE Program

If Company does not set off the amount of these fees against Company payments to Subscriber Organization for Unsubscribed Energy, Company shall invoice Subscriber Organization for payment to Company of the foregoing fees. Subscriber Organization shall make payment to Company within fifteen (15) Days of Subscriber Organization's receipt of such invoice.

E. Facility Compliance.

1. The Subscriber Organization shall be responsible for ensuring that the equipment installed at the CBRE Facility meets all applicable codes, standards, and regulatory requirements at the time of installation and throughout its operation.
2. Subscriber Organization shall comply with all of the rules stated in the Company's applicable electric tariff rules related to the CBRE Program, as the same may be revised from time to time, and this Contract, as may be amended from time to time, as allowed by an amendment to

this Contract approved, or deemed approved, by the PUC. In the event of any conflict between the terms of this Contract and Company's electric tariff rules related to the CBRE Program, the provisions of the tariff shall control.

F. Financial Compliance.

1. If Company reasonably believes the provisions of this Section 8.F apply to the CBRE Facility, Company shall notify Subscriber Organization in writing and Subscriber Organization shall provide or cause to be provided to Company on a timely basis, all information, including but not limited to information that may be obtained in any audit referred to below (the "Financial Compliance Information"), reasonably requested by Company for purposes of permitting Company and its parent company, Hawaiian Electric Industries, Inc. ("HEI") to comply with the requirements (initial and on-going) of (i) the accounting principles of Financial Accounting Standards Board ("FASB") Accounting Standards Codification 810, Consolidation ("FASB ASC 810"), (ii) FASB ASV 842 Leases ("FASB ASC 842"), (iii) Section 404 of the Sarbanes-Oxley Act of 2002 ("SOX 404") and (iv) all clarifications, interpretations and revisions of and regulations implementing FASB ASC 810, FASB ASC 842, and SOX 404 issued by the FASB, Securities and Exchange Commission, the Public Company Accounting Oversight Board, Emerging Issues Task Force or other Governmental Authorities. In addition, if required by Company in order to meet its compliance obligations, Subscriber Organization shall allow Company or its independent auditor to audit, to the extent reasonably required, Subscriber Organization's financial records, including its system of internal controls over financial reporting; provided, however, that Company shall be responsible for all costs associated with the foregoing, including but not limited to Subscriber Organization's reasonable internal costs. Company shall limit access to such Financial Compliance Information to Company and HEI personnel involved with such compliance matters and restrict any Company or HEI personnel involved in Company's monitoring, dispatch or scheduling of the Subscriber Organization and/or the CBRE Facility, the administration of this Contract, or in developing potential CBRE projects, from having access to such Financial Compliance Information (unless approved in writing in advance by Subscriber Organization).

2. Confidentiality. As a condition to obtaining the Financial Compliance Information, Company shall, and shall cause HEI to, maintain the confidentiality of said Financial Compliance Information pursuant to a mutually agreed to confidentiality and non-disclosure agreement to be executed among Company, HEI and Subscriber Organization.

3. Consolidation. Company does not want to be subject to consolidation as set forth in FASB ASC 810, as issued and amended from time to time by FASB. Company represents that, as of the Effective Date, it is not required to consolidate Subscriber Organization into its financial statements in accordance with FASB ASC 810. If for any reason, at any time during the Term, Company determines, in its sole but good faith discretion, that it is required to consolidate Subscriber Organization into its financial statements in accordance with FASB ASC 810, then Subscriber Organization shall immediately provide audited financial statements (including footnotes) in accordance with U.S. generally accepted accounting principles (and as of the reporting periods Company is required to report thereafter) in order for Company to consolidate and file its financial statements within the reporting deadlines of the Securities and Exchange Commission. Notwithstanding the foregoing requirement that Subscriber Organization provide audited financial statements to Company, the Parties will take all commercially reasonable steps, which may include modification of this Contract to eliminate the consolidation treatment, while preserving the economic "benefit of the bargain" to both Parties.

4. Audits. The Company reserves the right to inspect the CBRE Facility as necessary to assure the safety and reliability of the system at any time during the Term, and for an additional period of one (1) year thereafter.

**9. REQUIREMENTS APPLICABLE TO THE SUBSCRIBER ORGANIZATION'S RELATIONSHIP WITH ITS SUBSCRIBERS.**

The Subscriber Organization must comply with all of the following:

A. Subscriber Information. The Subscriber Organization shall issue Subscriptions in the CBRE Facility only to eligible retail electric service customers of the Company and provide to the Company the name, account number and service address attributable to each Subscription and the Subscriber Allocation for each Subscriber's Subscription. The Subscriber Organization shall take care to preserve the privacy expectations of the Subscribers, such as not publicly providing a Subscriber's Confidential Account Information, Subscriber Energy Usage Data, or Bill Credits. The Subscriber Organization will not disclose or share such information except as permitted by the Subscriber Agency Contract and Consent Form executed by Subscriber in connection with Subscriber's acquisition of its Subscription in the CBRE Facility or otherwise unless the Subscriber has provided explicit informed consent or if such disclosure is compelled by Law.

B. Subscriber Transfer or Exit.

1. If the CBRE Facility uses a Pay-As-You-Go model for Subscriber interests, a Subscriber may not transfer their interest to another Customer. If a Subscriber wishes to terminate their interest in the CBRE Facility, the Subscriber shall either cancel or terminate their subscription with the Subscriber Organization in accordance with the provisions of the Subscriber Agreement.
2. If the CBRE Facility uses a Pay-Up-Front model for Subscriber interests:
  - a. If a Subscriber requests to transfer their interest to another Customer, the Subscriber Organization shall confirm that Customer's eligibility as set forth herein. Any payment for the transfer shall be in accordance with the preset repurchase/resale price schedule outlined in the Subscriber Agreement.
  - b. There shall be no transfer charge/fee if the meter associated with the account remains unchanged.
  - c. A transfer shall be for no less than all (100%) of the selling Subscriber's interest.
  - d. Any transfer will not be effective until the Subscriber Organization notifies the Administrator of the transfer. For any notice of transfer on or prior to the twentieth (20th) Day of any month, such transfer will be effective as of the first (1st) Day of that month. For any notice of transfer after the twentieth (20th) Day of a month, the transfer will be effective as of the first (1st) Day of the next month.
  - e. Eligibility Requirements for Transferees. The transferee(s) of such Subscriber Allocation must satisfy the requirements under the CBRE Tariff to be a Subscriber under the CBRE Program.
  - f. Limitations on Size of Subscriber Allocation. Following completion of such transfer, the aggregate Subscriber Allocation to be held by such transferee(s) (including both the transferred

Subscriber Allocation and any pre-existing Subscriber Allocation) must comply with the size limitations set forth in the CBRE Tariff.

g. Eligibility Determination. Subscriber Organization shall determine the eligibility and permitted size of any such transfer by inquiry to the Company, manually through Company personnel in Phase 2 and electronically through the CBRE Online Portal once such software tool is available.

3. If Subscriber requests to sell all or any portion of their Subscription back to the Subscriber Organization, Subscriber Organization shall buy back the interest in accordance with the preset repurchase/resale price schedule outlined in the Subscriber Agreement.

a. Subscriber Organization shall complete the buy-back of the Subscriber's interest within thirty (30) days of the Subscriber's request.

b. Upon completion of a subscription buy-back, the Subscriber Organization shall notify the Company by the last day of the month the transaction was completed. The Company shall confirm such buy-back in the Subscriber database and cease CBRE bill credits effective as communicated by the Subscriber Organization on the first day of the month of notification if such transaction was completed on or prior to the twentieth (20th) Day of the month. Transactions completed after the twentieth (20th) Day of the month will be effective as of the first (1st) Day of the next month.

C. Updating Subscriber Information. The Subscriber Organization shall provide to the Company the Monthly Subscriber Information together with any and all updates to the Monthly Subscription Information as provided in Attachment B of this Contract.

D. Responsibility for Verification.

1. Subscriber Verification. If not already qualified by the CBRE Online Portal, the Subscriber Organization shall verify that each Subscriber is eligible to be a Subscriber in the CBRE Facility and that the CBRE Tariff requirements are met.

2. LMI Subscriber Verification. In addition to the requirements of Section 9.D.1, Subscriber Organization must obtain the required documentation to verify that:

a. All Low-to Moderate-Income (LMI) Subscribers, at the time the LMI Subscriber applies for CBRE participation, have met the definition of a Low-Income and/or Moderate-Income Subscriber under Part III of the LMI Specific provisions of the CBRE Phase 2 Tariff; and

b. Each LMI Subscriber applying to participate in the CBRE Program has resided at their current residence for a minimum of six (6) months prior to acceptance and/or enrollment.

E. Disclosure of Production Information. The Subscriber Organization acknowledges and agrees that, in order for the Company to carry out its responsibilities in applying Bill Credits to each Subscriber's retail electric bills, the Company may be required and shall be permitted to provide access or otherwise disclose and release to any Subscriber any and all production data related to the RE System and BESS in its possession and information regarding the total Bill Credits applied by the Company with respect to the CBRE Facility and any information pertaining to a Subscriber's Subscription. Any additional detailed information requested by a Subscriber shall be provided only upon the Subscriber Organization's consent in writing or email to the Company, or unless the Commission or the CBRE IO requests that the Company provide such information to the Subscriber, or as otherwise required by law.

F. Disclosure of CBRE Facility Information. The Subscriber Organization acknowledges and agrees that the Company may publicly disclose the CBRE Facility location, Subscriber Organization, nameplate capacity and production data of the CBRE Facility. Additionally, the Company will periodically provide a bill message to Subscribers clarifying that questions or concerns related to their Subscription should be directed to the Subscriber Organization, including a statement that the Subscriber Organization is solely responsible for resolving any disputes with the Company or the Subscriber about the accuracy of the CBRE Facility data and that the Company is solely responsible for resolving any disputes with the Subscriber about the applicable rate used to determine the amount of the Bill Credit.

G. Certain Tax and Securities Law Issues. The Company makes no warranty or representation concerning the taxable consequences, if any, to Subscriber Organization or its Subscribers with respect to its Bill Credits to the Subscribers for participation in the CBRE Facility. Additionally, the Company makes no warranty or representation concerning the implication of any federal or state securities laws on how Subscriptions to the CBRE Facility are handled.

H. Full Cooperation with the PUC. The Parties agree to fully cooperate with any request for information from the PUC or the CBRE IO pertaining in any way to the CBRE Facility and will provide such information upon request in a timely manner. To the extent to which any request calls for producing a specific Subscriber's Confidential Account Information, Subscriber Energy Usage Data or Bill Credits, such information shall be provided and marked as Confidential Information.

I. New Energy Generating Systems. The PV System must not be built or previously interconnected at the time of application to the CBRE Program.

J. Fair Disclosure; Disclosure Checklist. Prior to the time when any person or entity becomes a Subscriber, the Subscriber Organization will fairly disclose the future costs and benefits of the Subscription and all other matters specified in the Disclosure Checklist and provide to the potential Subscriber a copy of this Contract. The Subscriber Organization shall comply with all other requirements of the PUC and applicable Laws with respect to communications with Subscribers.

## **10. CBRE FACILITY DESIGN, CONSTRUCTION AND OPERATION.**

A. Permits and Licenses. Subscriber Organization shall be responsible for the design, installation, operation, and maintenance of the CBRE Facility and shall obtain at its expense and maintain any required governmental authorizations and/or permits for the construction and operation of the CBRE Facility.

B. Facility Design. Design, installation, operation and maintenance of the CBRE Facility shall include control and protection equipment as specified by the Company, including but not limited to an automatic load- break device such as a circuit breaker or inverter and a manual disconnect that has a visible break or breaker with rack-out capability to isolate the CBRE Facility from the Company System. The manual disconnect device must be accessible by the Company and be capable of being locked by the Company in the open position, to establish working clearance for maintenance and repair work in accordance with the Company's safety rules and practices. The disconnect devices shall be furnished and installed by the Subscriber Organization and are to be connected between the CBRE Facility and the Company system. The disconnect devices shall be located in the immediate vicinity of the electric meter serving the Subscriber Organization. The manual disconnect device shall be, at a minimum, clearly labeled "Subscriber Organization System Disconnect". With permission of the Company, the disconnect devices may be located at an alternate location which is readily and safely accessible to the Company on a 24-hour basis. Such alternate location shall be clearly identified with signage placed in the immediate vicinity of the electric meter serving the Subscriber Organization.



C. The Subscriber Organization grants access to the Company to utilize the disconnect device, if needed. Subscriber Organization shall obtain the authorization from the owner and/or occupants of the premises where the CBRE Facility is located that allows the Company to access the CBRE Facility for the purpose specified in this Contract. Company may enter premises where the CBRE Facility is located, as permitted by law or tariff, for the following purposes: (1) to inspect CBRE Facility's protective devices and read or test meter(s); and (2) to disconnect the CBRE Facility and/or service to Subscriber Organization, whenever in Company's sole opinion, a hazardous condition exists and such immediate action is necessary to protect persons, Company's facilities, or property of others from damage or interference caused by the CBRE Facility, or the absence or failure of properly operating protective device.

D. Under no circumstances shall a Subscriber Organization interconnect and operate the CBRE Facility in parallel with the Company's electric system without prior written approval by the Company.

E. Once the CBRE Facility is interconnected to the Company's system, the Company reserves the right to require the installation of, or modifications to, equipment determined by the utility to be necessary to facilitate the delivery of reliable electric service to its customers, subject to the requirement that such installation or modification be consistent with applicable interconnection standards (e.g., Rule 14H). The Company shall provide a written explanation of the need for such installation or modification. Such installation or modification shall be made by mutual agreement of the Company and the Subscriber Organization. Any disputes related to this provision shall be resolved according to the dispute resolution process set forth below.

F. Reserved.

G. The CBRE Facility must comply with the communications and controllability requirements set forth in Section F of the CBRE Tariff.

H. Project Completion.

1. The Subscriber Organization shall achieve the Commercial Operations Date for the CBRE Facility within eighteen (18) months from the execution date of this Contract, as the same may be extended as provided herein or in the CBRE Tariff (the "Commercial Operations Date Deadline"). The Commercial Operations Date Deadline shall be extended day-for-day for a CBRE Facility that, in the Company's determination, has suffered a Force Majeure event (as set forth in Section 27 (Force Majeure) of this Contract) prior to the Commercial Operations Date, or for any delay caused by Company.

2. Notwithstanding the foregoing, a local-government moratorium to issuing a permit may extend the 18-month Project Completion period for no more than an additional six (6) months. Failure to seek a permit, delay in seeking a permit, or permit-processing time not subject to a moratorium is not included in this 6-month extension.

3. If Substantial Progress, as defined herein, has been achieved, but the Commercial Operations Date has not been achieved by the Commercial Operations Date Deadline, and Subscriber Organization still intends to complete its CBRE Facility, then the Subscriber Organization shall pay a "late fee" to Company of \$200/day/MW nameplate capacity of the RE System until the CBRE Facility achieves the Commercial Operations Date. For example, if a RE System has a nameplate capacity of 100 kW, and it achieves the Commercial Operations Date thirty (30) Days late, the "late fee" would be \$600. The "late fee" shall be paid to Company before the Commercial Operations Date. However, if Company fails to collect in full such amount by this

date, such unpaid amount may be included as part of the actual costs of interconnection under Section 8.D. of this Contract. All “late fee” payments received by Company will be credited back to offset the costs to the Company ratepayers for the CBRE Program. A prerequisite to showing that Substantial Progress has been achieved in a timely manner is that before the Commercial Operations Date Deadline the Subscriber Organization must submit a signed letter to Company attesting to the fact that Substantial Progress as defined in this Contract has been made, and attach photographs to that letter demonstrating this.

4. If: (i) Substantial Progress has not been achieved by the Commercial Operations Date Deadline, or (ii) Subscriber Organization does not wish to complete its CBRE Facility upon the Commercial Operations Date Deadline, or (iii) the Commercial Operations Date that is extended due to a permit issuance moratorium is not achieved within six (6) months from the originally required Commercial Operations Date Deadline, then the application for the CBRE Facility and this Contract will be terminated by Company without further notice. No additional concurrence from the CBRE IO shall be necessary for such termination. The Application Fee and any other deposits paid by the Subscriber Organization shall be forfeited.

5. After termination, the Subscriber Organization, if it still intends to proceed with the CBRE Facility, must submit a new application and pay any applicable deposit and/or fees which will be subject to the then current CBRE Tariff, Bill Credit Rate and other applicable CBRE requirements for new projects, including CBRE Program capacity availability.

## **11. INTERCONNECTION REQUIREMENTS.**

A. The Subscriber Organization must comply with all of the terms, conditions and requirements of Company Rule 14H, including without limitation Appendix I (Distributed CBRE Facility Interconnection Standards Technical Requirements). In the event of any inconsistency or conflict between the terms and provisions of this Contract, Attachment C and Company Rule 14H, the terms and provisions of Company Rule 14H shall control. In the event of any inconsistency or conflict between this Contract and Attachment C, the terms and provisions of Attachment C shall control.

B. If the CBRE Facility is a facility interconnecting at the Distribution Level, the CBRE Facility shall follow the applicable Rule No. 14H interconnection process at the time of interconnection. If the CBRE Facility is a facility interconnecting at the Sub-Transmission and Transmission levels, the CBRE Facility shall follow the interconnection process applicable to such CBRE Facility at the time of interconnection.

C. Subscriber Organization-Owned Interconnection Facilities.

1. The Subscriber Organization shall furnish, install, operate and maintain, at its cost, the interconnection facilities (such as circuit breakers, relays, switches, synchronizing equipment, monitoring equipment, and control and protective devices and schemes identified in Attachment F, Exhibit F-1 to this Contract.

2. The point of interconnection is shown on the single-line diagram and three-line diagram (provided by the Subscriber Organization and reviewed by the Company) which are appended to Attachment F, herein. Pursuant to Company Rule 14H, Appendix I (Distributed CBRE Facility Interconnection Standards Technical Requirements), Section 6.c (Review of Design Drawings), the Company must review and approve Subscriber Organization’s single-line and three-line diagrams prior to Subscriber Organization constructing of the CBRE Facility interconnection.

3. The Subscriber Organization shall not operate equipment that superimposes a voltage or current upon the Company's system that interferes with the Company's operations, service to the Company's customers, or the Company's communication facilities. Such interference shall include, but not be limited to, overcurrent, voltage imbalance, and abnormal waveforms. If such interference occurs, the Subscriber Organization must diligently pursue and take corrective action at its own expense after being given notice and reasonable time to do so by the Company. If the Subscriber Organization does not take timely corrective action or continues to operate the equipment causing interference without restriction or limit, the Company may, without liability, disconnect the Subscriber Organization's equipment from the Company's system. Pursuant to Company Rule 14H, Appendix I (Distributed CBRE Facility Interconnection Standards Technical Requirements), Section 6.c (Review of Design Drawings), the Company must review and approve Subscriber Organization's single-line and three-line diagrams prior to Subscriber Organization constructing of the CBRE Facility interconnection.

4. The Subscriber Organization agrees to test the CBRE Facility, to maintain operating records, and to follow such operating procedures, as may be specified by the Company to protect the Company's system from damages resulting from the parallel operation of the CBRE Facility, including such testing, records and operating procedures as more fully described Attachment F (Subscriber Organization-Owned CBRE Facility And Interconnection Facilities ).

5. The Company may inspect the CBRE Facility and Subscriber Organization's interconnection facilities.

6. System Capacity. The CBRE Facility must have a nameplate capacity, in the aggregate, of no more than \_\_\_\_\_(\_\_\_\_\_) kilowatts/megawatts alternating current (AC) to assure that the CBRE Facility has a nameplate capacity of less than \_\_\_\_\_ kilowatt AC.

#### D. Company-Owned Interconnection Facilities.

1. The Company agrees to furnish, install, operate and maintain such interconnection facilities on its side of the point of interconnection with the CBRE Facility as required for the parallel operation with the CBRE Facility and more fully described in Attachment G (Company-Owned Interconnection Facilities).

2. All Company-Owned Interconnection Facilities shall be the property of the Company. Where portions of the Company-Owned Interconnection Facilities are located on the Subscriber Organization's premises, the Subscriber Organization shall provide, at no expense to the Company, a suitable location for and access to all such equipment. If a 120/240 Volt power source or sources are required, the Subscriber Organization shall provide these at no expense to the Company.

3. The Subscriber Organization agrees to pay to the Company a non-refundable contribution for the Company's investment in the Company-Owned Interconnection Facilities described in Attachment G (Company-Owned Interconnection Facilities and to pay for other interconnection costs. The interconnection costs will not include the cost of an initial technical screening of the impact of the CBRE Facility on the Company's system.

4. The Subscriber Organization shall provide an irrevocable standby letter of credit with no documentation requirement (i) in an amount not less than twenty-five percent (25%) of the total estimated costs for the Company-Owned Interconnection Facilities; and (ii) substantially in the form attached to this Contract as Exhibit G-1 (Form of Letter of Credit) to Attachment G

(Company Owned Interconnection Facilities ) from a bank or other financial institution located in the United States with a credit rating of “A-” or better. Such letter of credit shall remain in effect through the earlier of forty-five (45) Days after the Commercial Operations Date, as such term is defined herein, or seventy-five (75) Days after the termination of this Contract and true-up of any costs owed to Company. Subscriber Organization shall replenish the security amount to the level required under this Contract (the “Security”) within fifteen (15) Business Days after any draw on the Security by Company or any reduction in the value of Security below the required level for any other reason. In addition to any other remedy available to it, Company may, before or after termination of this Contract, draw from the Security such amounts as are necessary to recover amounts Company is owed pursuant to this Contract and/or any other obligation of Subscriber Organization to Company under the Company’s applicable electric service tariff, RE Tariff or any other applicable law, regulation, rule ordinance or regulatory order. Any failure to draw upon the Security or other security for any amounts due Company shall not prejudice Company's rights to recover such amounts in any other manner.

5. If the letter of credit is not renewed or extended at least thirty (30) Days prior to its expiration or earlier termination, Company shall have the right to draw immediately upon the full amount of the letter of credit and right (but not the obligation) to place the proceeds of such draw (the “L/C Proceeds”), at Subscriber Organization's cost, in an escrow account until and unless Subscriber Organization provides a satisfactory substitute letter of credit. If it so chooses, the Company will place the L/C Proceeds in an escrow account with a reputable escrow agent acceptable to Company (“Escrow Agent”). Thereafter, the Company shall have the right to apply the L/C Proceeds as necessary to recover amounts Company is owed. Company shall have the sole authority to draw from the account and Subscriber Organization shall have no rights to the L/C Proceeds. Upon full satisfaction of Subscriber Organization's obligations under this Contract, including recovery by Company of amounts owed to it, Company shall instruct the Escrow Agent to remit to the bank that issued the letter of credit that was the source of the L/C Proceeds the remaining balance (if any) of the L/C Proceeds. Any failure to draw upon the L/C Proceeds for any amounts due Company shall not prejudice Company's rights to recover such amounts in any other manner.

6. Promptly following the Commercial Operations Date, and the complete performance of all of Subscriber Organization's obligations under this Contract, including but not limited to the obligation to pay any and all amounts owed by Subscriber Organization to Company, Company shall release the Security (including any accumulated interest, if applicable) to Subscriber Organization.

**12. PERSONNEL AND SYSTEM SAFETY.** Notwithstanding any other provisions of this Contract, if at any time Company determines that the Facility may endanger Company's personnel, and/or the continued operation of the Facility may endanger the integrity of the Company System or have an adverse effect on Company's other customers' electric service, Company shall have the right to disconnect the Facility from the Company System, as determined in the sole discretion of the Company System Operator. The Facility shall immediately comply with the dispatch instruction, which may be initiated through remote control, and shall remain disconnected (and in Subscriber Organization-Attributable Non-Generation status if so determined), until such time as Company is satisfied that the condition(s) referred to above have been corrected. If Company disconnects the Facility from the Company System for personnel or system safety reasons, it shall as soon as practicable notify Subscriber Organization by telephone, and thereafter make reasonable efforts to confirm, in writing (with email being acceptable), within three (3) Days of the disconnection, the reasons for the disconnection. If the reason for the

disconnection constitutes Subscriber Organization-Attributable Non-Generation, Company will notify Subscriber Organization (i) whether the conditions resulting in such disconnection have been resolved (in which case no additional time after such confirmation shall count as Subscriber Organization-Attributable Non-Generation); or (ii) that conditions resulting in such disconnection have not been resolved so that Subscriber Organization can take such appropriate corrective actions. Subscriber Organization shall notify Company in writing when such corrective action has been completed; provided, however, that Subscriber Organization shall remain in Subscriber Organization-Attributable Non-Generation until Company is satisfied that the condition resulting in the disconnection has been corrected. Company shall use reasonable efforts to inspect such corrective measures (if necessary) and confirm the resolution of such condition within three (3) Business Days after Subscriber Organization's notification.

**13. EVENTS OF DEFAULT BY SUBSCRIBER ORGANIZATION.**

A. The occurrence of any of the following shall constitute an “Event of Default” by Subscriber Organization:

1. If at any time during the Term, Subscriber Organization delivers or attempts to deliver to the Point of Interconnection for sale under this Contract renewable energy that was not produced by the CBRE Facility and Subscriber Organization fails to cease such delivery or attempt to deliver such renewable energy within ten (10) Days after Company’s written notice of such delivery or attempt.
2. If at any time subsequent to the Commercial Operations Date, the PV System Equivalent Availability Factor is less than [84%] for each of three consecutive Contract Years.
3. If at any time subsequent to the Commercial Operations Date, the Measured Performance Ratio for each of three consecutive Contract Years falls below the Tier 2 Bandwidth for such Contract Year.
4. If at any time subsequent to the Commercial Operations Date, the Subscriber Organization fails to demonstrate satisfaction of the BESS Capacity Performance Metric prior to the expiration of the BESS Capacity Cure Period.
5. If at any time subsequent to the Commercial Operations Date, the Subscriber Organization fails to achieve a BESS Annual Equivalent Availability Factor of not less than [75%] for each of four (4) consecutive BESS Measurement Periods as provided in Section **Error! Reference source not found.4.B** of Attachment D (BESS Annual Equivalent Availability Factor Termination Rights).
6. If at any time subsequent to the Commercial Operations Date, Subscriber Organization fails to take all corrective actions specified by the Company’s written notice that the CBRE Facility is out of compliance with the terms of this Contract, within the timeframe set forth in such notice.
7. If at any time subsequent to the Commercial Operations Date, Subscriber Organization fails to install, operate, maintain, or repair the Facility in accordance with Good Engineering and Operating Practices if such failure is not cured within thirty (30) Days after written notice of such failure from Company unless such failure cannot be cured within said thirty (30) Day period and Subscriber Organization is making commercially reasonable efforts to cure such failure, in which case Subscriber Organization shall have a cure period of three hundred sixty-five (365) Days after Company's written notice of such failure.

8. If any representation or warranty made to Company by Subscriber Organization herein is false and misleading in any material respect when made.

9. Subscriber Organization becomes insolvent, or makes an assignment for the benefit of creditors; or shall have an order for relief in an involuntary case under the bankruptcy Laws as now or hereafter constituted entered against it, or shall commence a voluntary case under the bankruptcy Laws as now or hereafter constituted, or shall file any petition or answer seeking for itself any arrangement, composition, adjustment, liquidation, dissolution or similar relief to which it may be entitled under any present or future Law; or seeks or consents to or acquiesces in the appointment of or taking possession by, any custodian, trustee, receiver or liquidator of it or of all or a substantial part of its properties or assets; or takes action looking to its dissolution or liquidation, and Subscriber Organization is unable to remedy such actions within one hundred eighty (180) Days of the occurrence of such breach or default.

10. Subscriber Organization fails to comply with the applicable term, conditions and minimum requirements specified in the CBRE Tariff for Subscriber Organization's CBRE Facility, if such failure is not cured within thirty (30) Days after written notice of such failure from Company.

B. Other than the events of default specified in this Section 14, if Subscriber Organization, by act or omission, materially breaches or defaults on any material covenant, condition or other provision of this Contract, if such breach or default is not cured within thirty (30) Days after written notice of such breach or default from Company; provided, however, that if it is objectively impossible to cure such breach or default within said thirty (30) Day period, then, for so long as Subscriber Organization is making the same effort to cure such breach or default as would be expected of an experienced independent power producer willing and able to exert commercially reasonable efforts to achieve such cure, Subscriber Organization shall have a cure period equal to three hundred sixty-five (365) Days beginning on the date of Company's written notice of such breach or default.

#### **14. REMEDIES FOR BREACH/ FOR CAUSE TERMINATION.**

A. In the event of any Event of Default by the Subscriber Organization, then the Company shall have available to it any other remedy provided for in this Contract and any or all of the following remedies which can be used either singularly or cumulatively.

B. Upon an Event of Default by the Subscriber Organization:

1. Company shall provide written notice to the Subscriber Organization to remedy the Event of Default within the applicable cure period specified for such Event of Default, if any.

2. If after the cure period, if any, provided for in the Company's notice the Subscriber Organization is still not in compliance with this Contract, then the Company shall have the right to request to terminate the Contract via a Notice of Intent to Terminate and Request for IO Concurrence to the IO (the "Notice to IO"), provided, that the Company has satisfied all notice and other requirements for such termination by the Company, as provided in Section I.3.a of the CBRE Tariff.

3. If the CBRE IO concurs with the Company's request to terminate the Contract, the Company shall provide written notice to Subscriber Organization and Subscriber Organization shall have five (5) Business Days to provide proof that Company's and CBRE IO's determination to terminate the Contract is in error.

4. If the Subscriber Organization fails to provide such proof or if the Company and the CBRE IO reasonably determine that such proof is insufficient to reverse the Company's decision to terminate, Company may proceed to terminate the Contract by providing a written notice of termination to Subscriber Organization. A copy of such notice shall be provided to all Subscribers of the CBRE Facility, the CBRE IO and the PUC.

5. The termination date in the notice of termination shall not be earlier than thirty (30) Days from the date of such notice.

C. Subscriber Organization acknowledges that Company is a public utility and is relying upon Subscriber Organization's performance of its obligations under this Contract, and that Company and/or its customers may suffer irreparable injury as a result of the failure of Subscriber Organization to perform any of such obligations, whether or not such failure constitutes an Event of Default or otherwise gives rise to one or more of the remedies set forth in this Section 14. Accordingly, the remedies set forth in this Section 14 shall not limit or otherwise affect Company's right to seek specific performance injunctions or other available equitable remedies for Subscriber Organization's failure to perform any of its obligations under this Contract, irrespective of whether such failure constitutes an Event of Default.

D. In the event of any breach of this Contract by Company, the Subscriber Organization shall provide Company with a written notice of the breach. Company shall have up to thirty (30) Days to cure the breach. If the breach is not cured within the thirty (30) Days, the Subscriber Organization may utilize the procedures set forth in Section 18. If the breach results in Bill Credits not being issued to one or more individual Subscribers, in the absence of a cure by Company within the allowed time following the notice, the applicable Subscriber(s) may also seek a remedy for any past due Bill Credits from the PUC pursuant to Section 18.

E. Following Termination, applicable provisions shall continue in effect after termination to the extent necessary to enforce and complete the duties, obligations or responsibilities of the Parties arising prior to termination and, as applicable, to provide for final billings and adjustments related to the period prior to termination, repayment of any money due and owing to either Party pursuant to this Contract.

G. Survival. The rights and obligations of the parties set forth in this section, and any right or obligation of the parties in this Contract which, by its express terms or nature and context is intended to survive termination or expiration of this Contract, will survive any such termination or expiration.

**15. DAMAGES IN THE EVENT OF TERMINATION BY COMPANY.**

A. Termination Due to an Event of Default. If the Contract is terminated by Company in accordance with this Contract after the Commercial Operations Date due to an Event of Default, Company shall be entitled to Termination Damages calculated by multiplying the Contract Capacity by [\$75/kW].

B. Termination Damages Appropriate. Subscriber Organization agrees and acknowledges that (i) the damages that Company would incur due to early termination of the Contract would be difficult or impossible to calculate with certainty, (ii) the Termination Damages are an appropriate approximation of such damages, and (iii) payment of Termination Damages does not relieve Subscriber Organization of liability for costs and balances incurred prior to the effective date of such termination. The Termination Damages are not intended to limit Company's rights or remedies, or Subscriber Organization's liabilities or duties, with respect to losses arising independent of the termination of this Contract for an Event of Default, including, without limitation, Company's right to recover under Section 16 (Limitation of Liability).

## 16. LIMITATION OF LIABILITY

A. Each Party shall at all times indemnify, defend, and save the other Party harmless from any and all damages, losses, claims, including claims and actions relating to injury or death of any person or damage to property, costs and expenses, reasonable attorneys' fees and court costs, arising out of or resulting from the Party's performance of its obligations under this Contract, except to the extent that such damages, losses or claims were caused by the negligence or intentional acts of the other Party.

B. Each Party's liability to the other Party for failure to perform its obligations under this Contract shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any punitive, incidental, indirect, special, or consequential damages of any kind whatsoever, including for loss of business opportunity or profits, regardless of whether such damages were foreseen.

C. Notwithstanding any other provision of the Contract or this Section 16, with respect to the Company's duties or performance or lack of performance under this Contract, the Company's liability to the Subscriber Organization shall be limited as set forth in the Company's rate book and terms and conditions for electric service, which shall not be affected by the terms of this Contract. There are no third-party beneficiaries of any Company duty under this Contract other than the Company's duty to Subscribers to issue Bill Credits as set forth in this Contract.

D. Indemnification of Company Against Third Party Claims. Subscriber Organization shall indemnify, defend, and hold harmless Company, its successors, permitted assigns, affiliates, controlling persons, directors, officers, employees, agents, contractors, subcontractors and the employees of any of them (collectively referred to as an "Indemnified Company Party"), from and against any Losses suffered, incurred or sustained by any Indemnified Company Party due to any Claim (whether or not well founded, meritorious or unmeritorious) by a third party not controlled by, or under common ownership and/or control with, Company relating to (i) the Subscriber Agreement between Subscriber Organization and its Subscribers or (ii) Subscriber Organization's development, permitting, construction, ownership, operation and/or maintenance of the CBRE Facility.

## 17. DISPUTE RESOLUTION

A. Each Party agrees to attempt to resolve all disputes arising hereunder promptly, equitably and in a good faith manner.

B. Before submitting any claims, controversies or disputes ("Dispute(s)") under this Contract to the Dispute Resolution Procedures set forth below in Section C., the presidents, vice presidents, or authorized delegates from both Subscriber Organization and Company having full authority to settle the Dispute(s), shall personally meet in Hawai'i and attempt in good faith to resolve the Dispute(s) (the "Management Meeting").

C. Dispute Resolutions Procedures, Mediation. Any and all Dispute(s) arising out of or relating to this Contract, (i) which remain unresolved for a period of 20 Days after the Management Meeting takes place or (ii) for which the Parties fail to hold a Management Meeting within sixty (60) Days of the date that a Management Meeting was requested by a Party, may upon the agreement of the Parties, first be submitted to confidential mediation in Honolulu, Hawai'i pursuant to the administration by, and in accordance with the Mediation Rules, Procedures and Protocols of, Dispute Prevention & Resolution, Inc. (or its successor) or, in their absence, the American Arbitration Association ("DPR") then in effect. If the Parties agree to submit the dispute to confidential mediation, the parties shall each pay 50% of the cost of the mediation



(i.e., the fees and expenses charged by the mediator and DPR) and shall otherwise each bear their own mediation costs and attorneys' fees. If the Parties do not submit the Dispute(s) to mediation, or if they do submit the Dispute(s) to mediation but settlement of the Dispute(s) is not reached within 60 Days after commencement of the mediation, either Party may initiate legal proceedings in a court of competent jurisdiction in the State of Hawai'i.

**18. ENVIRONMENTAL CREDITS.** Included in the purchase and sale of renewable energy are all of the Environmental Credits associated with the renewable energy. Company will not reimburse Subscriber Organization for any taxes or fees imposed on Subscriber Organization including, but not limited to, State of Hawai'i general excise tax. To the extent not prohibited by law, Company shall have the sole and exclusive right to use the renewable energy purchased hereunder to meet RPS and any Environmental Credit shall be the property of Company; provided, however, that such Environmental Credits shall be to the benefit of Company's ratepayers in that the value must be credited "above the line." Subscriber Organization shall use all commercially reasonable efforts to ensure such Environmental Credits are vested in Company, and shall execute all documents, including, but not limited to, documents transferring such Environmental Credits, without further compensation; provided, however, that Company agrees to pay for all reasonable costs associated with such efforts and/or documentation.

**19. REPRESENTATIONS AND WARRANTIES.**

A. Company and Subscriber Organization represent and warrant, respectively, that:

1. Each respective Party has all necessary right, power and authority to execute, deliver and perform this Contract.
2. The execution, delivery and performance of this Contract by each respective Party will not result in a violation of any Laws, or conflict with, or result in a breach of, or cause a default under, any agreement or instrument to which such Party is also a party or by which it is bound. No consent of any person or entity not a Party to this Contract, other than governmental agencies whose approval is necessary for construction of the CBRE Facility and interconnection facilities, is required for such execution, delivery and performance by either Party.

B. Subscriber Organization represents, warrants and covenants that:

1. Subscriber Organization has obtained all Land Rights necessary for the construction, ownership, operation and maintenance of the CBRE Facility during the Term, and Subscriber Organization shall maintain such Land Rights in effect throughout the Term.
2. As of the commencement of construction, Subscriber Organization shall have obtained all permits or approvals from any applicable governmental agency necessary for the construction, ownership, operation and maintenance of the CBRE Facility and all interconnection facilities.
3. Subscriber Organization warrants that the CBRE Facility complies with all applicable federal and state Laws, including but not limited to (a) all applicable securities Laws and shall continue to be in compliance for the duration of the Term; (b) complies with all applicable Laws concerning the dissemination of personally identifiable information, and shall continue to be in compliance for the longer of (i) the Term and (ii) for as long as Subscriber Organization continues to hold or otherwise have access to any personally identifiable information of Subscribers or customers of Company; (c) complies with all applicable Laws concerning consumer protection, and shall continue to be in compliance for the duration of the Term; (d) complies with all applicable Laws and regulations concerning renewable energy grid interconnections, and shall continue to be in compliance for the duration of the Term.

**20. SUBSCRIBER ORGANIZATION AND CBRE FACILITY INFORMATION.** By signing this Contract, the Subscriber Organization expressly agrees and authorizes the Company to request and obtain from Subscriber Organization and its contractors, vendors, subcontractors, installers, suppliers or agents (collectively “Subscriber Organization Agents”), at no cost to Company, information related to the CBRE Facility, including but not limited to Watts, Vars, Watt Hours, current and voltage, status of the CBRE Facility, inverter settings, any and all recorded event or alarm logs recorded, (collectively “CBRE Facility Data”) that Company reasonably determines are needed to ensure the safe and reliable operation of the CBRE Facility or the Company’s system. Subscriber Organization expressly agrees and irrevocably authorizes Subscriber Organization Agents to disclose such Subscriber Organization Data to Company upon request by Company.

**21. ADDITIONAL INFORMATION.** The Company reserves the right to request additional information from Subscriber Organization relating to the CBRE Facility, where reasonably necessary, to serve the Subscriber Organization under this Contract or to ensure reliability, safety of operation, and power quality of the Company’s system.

**22. NO MATERIAL CHANGES TO CBRE FACILITY.** The Subscriber Organization agrees that no material changes or additions to the CBRE Facility shall be made without having obtained prior written consent from the Company, which consent shall not be unreasonably withheld. In no event may the Total Rated Capacity of the CBRE Facility exceed \_\_\_\_\_ kW. If the CBRE Facility changes ownership, the Company may require the new Subscriber Organization to complete and execute an amended Contract or new Contract, as may be applicable.

**23. CERTIFICATION BY LICENSED ELECTRICAL CONTRACTOR.** The CBRE Facility and all interconnection systems must comply with all applicable safety and performance standards of the National Electrical Code (NEC), Institute of Electrical and Electronic Engineers (IEEE), and accredited testing laboratories such as the Underwriters Laboratories (UL), and where applicable, the rules of the Commission, or other applicable governmental laws and regulations, and the Company’s interconnection requirements, in effect at the time of signing this Contract. This requirement shall include, but not be limited to, the interconnection standards and procedures of the Company’s Rule 14H, as well as any other requirements as may be specified in this Contract, its Attachments, Exhibits, and as authorized by the Commission. Upon request by Company, Subscriber Organization shall cause a Licensed Electrical Contractor, as agent for Subscriber Organization, to certify that once approved by the Company, the proposed CBRE Facility will be installed to meet all preceding requirement(s).

**24. GOOD ENGINEERING PRACTICE.**

A. Each Party agrees to install, operate and maintain its respective equipment and facilities and to perform all obligations required to be performed by such Party under this Contract in accordance with good engineering practice in the electric industry and with applicable laws, rules, orders and tariffs.

B. Wherever in this Contract and its Attachments and Exhibits the Company has the right to give specifications, determinations or approvals, such specifications, determinations and/or approvals shall be given in accordance with the Company’s standard practices, policies and procedures, which may include the Company’s Electric Service Installation Manual, the Company’s Engineering Standard Practice Manual and the IEEE Guides and Standards for Protective Relaying Systems.

**25. INSURANCE.** The following insurance provisions are only applicable to CBRE Facilities with a Total Rated Capacity greater than 10 kW but not exceeding 2.5 MW [5 MW Oahu]:

A. The Subscriber Organization shall, at its own expense and during the term of the Contract and any other time that the CBRE Facility is interconnected with the Company’s system, maintain in effect with a responsible insurance company authorized to do insurance business in Hawai‘i and

with a rating by A.M. Best Company, Inc. of “A-VII” or better, the following insurance or its equivalent at Company’s discretion that will protect the Subscriber Organization and the Company with respect to the CBRE Facility, the CBRE Facility’s operations, and the CBRE Facility’s interconnection with the Company’s system:

1. A Commercial General Liability policy covering bodily injury and property damage with combined single limit of liability of at least the following amounts based on the Total Rated Capacity of the generator (for solar systems—Total Rated Capacity of the generator or inverter, whichever is lower, can be used with appropriate technical documentation on inverter, if not higher Total Rated Capacity will be used), for any occurrence. The limits below may be satisfied through the use of umbrella or excess liability insurance sufficient to meet these requirements:

Commercial General Liability Coverage Amount	Total Rated Capacity of the CBRE Facility
\$5,000,000	Greater than 1 MW and less than or equal to 5 MW
\$2,000,000	Greater than 250 kW and less than or equal to 1 MW
\$1,000,000	Greater than 30 kW and less than or equal to 250 kW
\$500,000	Greater than 10 kW and less than or equal to 30 kW

2. Solely with respect to the insurance policies required for CBRE Facilities with a Total Rated Capacity greater than 30 kW, said insurance by endorsement to the policy or policies shall: name the Company, its directors, officers, agents, and employees as additional insured; include contractual liability coverage for written Agreements; include provisions stating that the insurance will respond to claims or suits by additional insureds against the Subscriber Organization or any other insured thereunder; provide that the insurance is primary with respect to the Subscriber Organization and the Company; and provide that the insurance company waives all rights of subrogation which Subscriber Organization or the insurance company may have against Company, its directors, officers, agents, and employees. Any insurance carried by Company will be excess only and not contribute with this insurance.

B. Said insurance by endorsement to the policy or policies shall provide written notice within thirty (30) Days to the Company should the required insurance be cancelled, limited in scope, or not renewed upon expiration. “Claims made” policies are not acceptable, unless the Subscriber Organization agrees to maintain coverage in full effect at all times during the term of this Contract and for THREE (3) years thereafter. The adequacy of the coverage afforded by the required insurance shall be subject to review by the Company from time to time, and if it appears in such review that risk exposures require an increase in the coverages and/or limits of this insurance, the Subscriber Organization shall make such increase to that extent and any increased costs shall be borne by the Subscriber Organization. The Subscriber Organization has the responsibility to determine if higher limits are desired and purchased. The Subscriber Organization shall provide certificates of insurance to the Company prior to executing the Contract and any parallel

interconnection. Receipt of any certificate showing less coverage than required shall not operate as a waiver by the Company of the Subscriber Organization's obligation to fulfill the applicable requirements of this Section 25. The Subscriber Organization's indemnity and other obligations shall not be limited by the foregoing insurance requirements. Any deductible shall be the responsibility of the Subscriber Organization.

C. Alternatively, where the Subscriber Organization is a governmental entity, Subscriber Organization may elect to be self-insured for the amounts set forth above in lieu of obtaining insurance coverage to those levels from an insurance company.

**26. MISCELLANEOUS.**

A. Disconnection and Survival of Obligations. Upon termination of this Contract, the CBRE Facility shall be disconnected from the Company's system. The termination of this Contract shall not relieve the Parties of their respective liabilities and obligations, owed or continuing at the time of termination.

B. Governing Law and Regulatory Authority. This Contract was executed in the State of Hawai'i and must in all respects be interpreted, governed, and construed under the laws of the State of Hawai'i. This Contract is subject to, and the Parties' obligations hereunder include, operating in full compliance with all valid, applicable federal, state, and local laws or ordinances, and all applicable rules, regulations, orders of, and tariffs approved by, duly constituted regulatory authorities having jurisdiction.

C. Amendment, Modifications, or Waiver. This Contract may not be altered or modified by either of the Parties, except by an instrument in writing executed by each of them. None of the provisions of this Contract shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Contract or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect. This Contract contains the entire agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Contract. Each Party also represents that in entering into this Contract, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Contract.

D. Notices. Any notice required under this Contract shall be in writing and mailed at any United States Post Office with postage prepaid and addressed to the Party, or personally delivered to the Party at the address identified on the last page of the Contract. Changes in such designation may be made by notice similarly given. Notice sent by mail shall be deemed to have been given on the date of actual delivery or at the expiration of the fifth day after the date of mailing, whichever is earlier.

E. Assignment. This Contract may not be assigned by either Party without the prior written consent of the other Party. Such consent shall not be unreasonably withheld. In the event of an assignment for financing, to the extent necessary, Company shall, if requested by Subscriber Organization and if its costs (including reasonable attorneys' fees of outside counsel) in responding to such request are paid by Subscriber Organization execute such Hawai'i-law-governed documents as may be reasonably requested by a lender in connection with CBRE Facility debt and reasonably acceptable to Company, to acknowledge an assignment of such debt and/or pledge/mortgage.

F. Binding Effect. This Contract shall be binding upon and inure to the benefit of the Parties hereto and their respective successors, legal representatives, and permitted assigns.

G. Relationship of Parties. Nothing in this Contract shall be deemed to constitute any Party hereto as partner, agent or representative of the other Party or to create any fiduciary relationship between the Parties.

H. Limitations. Nothing in this Contract shall limit the Company's ability to exercise its rights or expand or diminish its liability with respect to the provision of electrical service pursuant to the Company's tariffs as filed with the Commission, or the Commission's Standards for Electric Utility Service in the State of Hawai'i, which currently are included in the Commission's General Order Number 7, as either may be amended from time to time.

I. Non-Warranty. Neither by inspection, if any, or non-rejection, nor in any other way, does the Company give any warranty, express or implied, as to the adequacy, safety, or other characteristics of any structures, equipment, wires, appliances or devices owned, installed or maintained by the Subscriber Organization or leased by the Subscriber Organization from third parties, including without limitation the CBRE Facility and any structures, equipment, wires, appliances or devices appurtenant thereto.

J. Reserved.

K. Execution of Contract; Multiple Counterparts. The Parties agree that this Contract, including amendments, may be executed and delivered by exchange of electronic signatures, which may be transmitted by facsimile, e-mail, or other acceptable means. A party's electronic signature shall be considered an "original" signature which is binding and effective for all purposes. This Contract may be executed in counterparts, each of which shall be deemed an original, and all of which shall together constitute one and the same instrument binding all Parties.

**27. FORCE MAJEURE.**

A. Definition of Force Majeure. The term "Force Majeure", as used in this Contract, means any occurrence that:

1. In whole or in part delays or prevents a Party's performance under this Contract;
2. Is not the direct or indirect result of the fault or negligence of that Party;
3. Is not within the control of that Party notwithstanding such Party having taken all reasonable precautions and measures in order to prevent or avoid such event; and
4. The Party has been unable to overcome by the exercise of due diligence.

B. Events That Could Qualify as Force Majeure. Subject to the foregoing, events that could qualify as Force Majeure include, but are not limited to, the following: acts of God, flooding, lightning, landslide, earthquake, fire, drought, explosion, epidemic, quarantine, storm, hurricane, tornado, volcano, other natural disaster or unusual or extreme adverse weather-related events; war (declared or undeclared), riot or similar civil disturbance, acts of the public enemy (including acts of terrorism), sabotage, blockade, insurrection, revolution, expropriation or confiscation; or strikes, work stoppage or other labor disputes (in which case the affected Party shall have no obligation to settle the strike or labor dispute on terms it deems unreasonable).

C. Exclusions From Force Majeure. Force Majeure does not include:

1. any acts or omissions of any Third Party, including, without limitation, any vendor, materialman, customer, or supplier of Subscriber Organization, unless such acts or omissions are themselves excused by reason of Force Majeure;
2. any full or partial reduction in the electric output of Facility that is caused by or arises from (i) a mechanical or equipment breakdown or (ii) other mishap or events or conditions attributable to normal wear and tear or defects, unless such mishap is caused by Force Majeure;
3. changes in market conditions that affect the cost of Subscriber Organization's supplies, or that affect demand or price for any of Subscriber Organization's products, or that otherwise render this Contract uneconomic or unprofitable for Subscriber Organization;
4. Subject to Section 10. H. of this Contract, Subscriber Organization's inability to obtain Governmental Approvals or Land Rights for the construction, ownership, operation and maintenance of Facility and the Company-Owned Interconnection Facilities, or Subscriber Organization's loss of any such Governmental Approvals or Land Rights once obtained;
5. the lack of wind, sun or any other resource of an inherently intermittent nature;
6. Subscriber Organization's inability to obtain sufficient fuel, power or materials to operate its Facility, except if Subscriber Organization's inability to obtain sufficient fuel, power or materials is caused solely by an event of Force Majeure;
7. Subscriber Organization's failure to obtain additional funds, including funds authorized by a state or the federal government or agencies thereof, to supplement the payments made by Company pursuant to this Contract;
8. a Forced Outage except where such Forced Outage is caused by an event of Force Majeure;
9. litigation or administrative or judicial action pertaining to the Contract, the Site, the Facility, the Land Rights, the acquisition, maintenance or renewal of financing or any Governmental Approvals, or the design, construction, ownership, operation or maintenance of the Facility, the Company-Owned Interconnection Facilities or the Company System;
10. a strike, work stoppage or labor dispute limited only to any one or more of the Indemnified Subscriber Organization Parties or any other third party employed by Subscriber Organization to work on the Project; or
11. any full or partial reduction in the availability of the Facility to produce and deliver to the Point of Interconnection electric energy in response to Company Dispatch which is caused by any Third Party including, without limitation, any vendor or supplier of Subscriber Organization or Company, except to the extent due to Force Majeure.

D. Satisfaction of Certain Conditions. This Contract defer or limit certain liabilities of a Party for delay and/or failure in performance to the extent such delay or failure is the result of conditions or events of Force Majeure; provided, however, that a Non-performing Party is only entitled to such limitations or deferrals of liabilities as and to the extent the following conditions are satisfied:

1. the Non-performing Party gives the other Party, within five (5) Days after the Non-performing Party becomes aware or should have become aware of the Force Majeure condition or event, but in any event no later than thirty (30) Days after the Force Majeure condition or event

begins, written notice (the "Force Majeure Notice") stating that the Non-performing Party considers such condition or event to constitute Force Majeure and describing the particulars of such Force Majeure condition or event, including the date the Force Majeure commenced;

2. the Non-performing Party gives the other Party, within fourteen (14) Days after the Force Majeure Notice was or should have been provided, a written explanation of the Force Majeure condition or event and its effect on the Non-performing Party's performance, which explanation shall include evidence reasonably sufficient to establish that the occurrence constitutes Force Majeure;

3. the suspension of performance is of no greater scope and of no longer duration than is required by the condition or event of Force Majeure;

4. the Non-performing Party exercises commercially reasonable efforts to remedy its inability to perform and provides written weekly progress reports to the other Party describing actions taken to end the Force Majeure; and

5. when the condition or event of Force Majeure ends and the Non-performing Party is able to resume performance of its obligations under this Contract, that Party shall give the other Party written notice to that effect.

E. Termination for Force Majeure. If Force Majeure delays or prevents a Party's performance for more than three hundred sixty-five (365) Days from the occurrence or inception of the Force Majeure, as stated in the Force Majeure Notice, and such delay or failure of performance would have otherwise constituted an Event of Default under Section 13 (Event of Default), the other Party shall have the right to terminate this Contract by written notice. Such notice shall designate the date such termination is to be effective, which date shall be no later than thirty (30) Days after such notice is deemed to be received by the Party whose performance has been delayed or prevented. In the event of termination pursuant to this Section 27.E (Termination for Force Majeure), neither Party shall be liable for any damages nor have any obligations to the other, except as provided in Section 14.G (Survival).

F. Effect of Force Majeure. Other than as provided in Section 27.E (Termination for Force Majeure), neither Party shall be responsible or liable for any delays or failures in its performance under this Contract as and to the extent (i) such delays or failures are substantially caused by conditions or events of Force Majeure, and (ii) the conditions of Section D. (Satisfaction of Certain Conditions) are satisfied.

G. No Relief of Other Obligations. Except as otherwise expressly provided for in this Contract, the existence of a condition or event of Force Majeure shall not relieve the Parties of their obligations under this Contract (including, but not limited to, payment obligations) to the extent that performance of such obligations is not precluded by the condition or event of Force Majeure.

H. No Extension of the Term. In no event will any delay or failure of performance caused by any conditions or events of Force Majeure extend this Contract beyond its stated Term.

## **28. GENERATOR/EQUIPMENT CERTIFICATION**

CBRE Facilities that utilize inverter technology must be compliant with Institute of Electrical and Electronics Engineers IEEE Std 1547-2018, Underwriters Laboratories UL 1741 and the Company's Source Requirement Document Version 2.0 (though not preferred, Company will accept compliance with the Company's Source Requirement Document Version 1.1 for CBRE Projects executed prior to or on June 30, 2021) as well as the Company's Rule 14H and any additional requirements contained herein that apply to CBRE Facilities. CBRE

Facilities that use a rotating machine must be compliant with applicable National Electrical Code, Underwriters Laboratories, and Institute of Electrical and Electronics Engineers standards and rules and orders of the Commission in effect at the time this Contract is executed. By signing below, the Applicant certifies that the installed generating equipment will meet the appropriate preceding requirement(s) and can supply documentation that confirms compliance, including a certification of the same from the Installing Electrical Contractor upon request by the Company.

**29. NOTICE AND DISCLAIMER REGARDING FUTURE RATE AND TARIFF MODIFICATIONS.**

A. This Contract shall, at all times, be subject to modification by the Commission as said Commission may, from time to time, direct in the exercise of its jurisdiction. Without limiting the foregoing, Subscriber Organization expressly acknowledges the following:

1. The CBRE Tariff is subject to modification by the Commission.
2. The CBRE Facility shall be subject to any future modifications ordered by the Commission. Subscriber Organization agrees to abide by and comply with and to pay for any costs related to such Commission-ordered modifications for the term of the Contract.

**BY SIGNING BELOW, SUBSCRIBER ORGANIZATION ACKNOWLEDGES IT HAS READ, UNDERSTANDS AND AGREES TO ABIDE BY THE ABOVE NOTICE AND DISCLAIMER.**

IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be executed by their duly authorized representatives. This Contract is effective as of the Effective Date set forth above.

[Subscriber Organization]

[Hawaiian Electric Company, Inc.  
Hawai'i Electric Light Company, Inc.  
Maui Electric Company, Limited], a F  
corporation

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Date: \_\_\_\_\_

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Date: \_\_\_\_\_

MAILING ADDRESS [select as appropriate]

[Hawaiian Electric Company, Inc.

Distributed Energy Resources Division

P.O. Box 2750

Honolulu, HI 96840]

[Maui Electric Company, Ltd.



Attn: Renewable Energy Projects Division

P.O. Box 398

Kahului, HI 96733-6898]

[Hilo:

HELCO Engineering

Attn: DER Program

54 Halekauila Street

Kona:

HELCO Engineering

Attn: DER Program

74-5519 Kaiwi Street

**ATTACHMENT A**  
**SCHEDULE OF DEFINED TERMS**

For the purposes of this Contract, the following capitalized terms shall have the meanings set forth below:

**"Acceptance Test"**: A test conducted by Subscriber Organization and witnessed by Company, within thirty (30) Days of completion of all Interconnection Facilities and in accordance with criteria and test procedures determined by Company to determine conformance with Attachment F (Facility Owned by Subscriber Organization) and in accordance with Good Engineering and Operating Practices. Attachment F (Facility Owned by Subscriber Organization) provides general criteria to be included in the written protocol for the Acceptance Test. Successful completion of the Acceptance Test shall be a condition precedent for the performance of the Control System Acceptance Test and the Commercial Operations Date.

**"Active Power Control Interface"**: Shall have the meaning set forth in Section 1(g) (Active Power Control Interface) of Attachment F (Facility Owned by Subscriber Organization) of this Contract.

**"Actual Output"**: The total quantity of electric energy (measured in kilowatt hours) produced by the CBRE Facility over a given time period and delivered to the Point of Interconnection, as measured by the Revenue Meter. "Actual Output" is the equivalent of "Net Energy."

**"Allowed Capacity"**: Shall have the meaning set forth in Section 5(e) of Exhibit F-1 (Description of Generation and Battery Storage Facilities) to this Contract.

**"Applicable Period Lump Sum Payment"**: For each applicable period, the total amount of Lump Sum Payment payable during such period, as such amount may be calculated and adjusted from time to time as set forth in Section 4.B (Lump Sum Payment) of this Contract and/or Section 3 (Calculation of Lump Sum Payment) of Attachment B to this Contract.

**"Applicable NEP Verification Date"**: For the Initial OEPR, the Initial NEP Verification Date. For any Subsequent OEPR, the first Day of the calendar month following the calendar month during which there occurs the first anniversary of the event (e.g., completion of equipment replacement) which occasioned the preparation of such Subsequent OEPR.

**"Baseline SO Payment"**: For each calendar month, the balance of the monthly Lump Sum Payment remaining after deducting the dollar value of all Bill Credits.

**"Battery Energy Storage System" or "BESS"**: The battery energy storage system as described in Attachment F (Facility Owned by Subscriber Organization) to the Contract, together with all other equipment, devices, and associated appurtenances owned, controlled, operated and managed by Subscriber Organization in connections, with or to facilitate, the storage, transmission, delivery or furnishing by Subscriber Organization to Company of the electric energy stored in the BESS.

**"BESS Allocated Portion of the Lump Sum Payment"**: For each BESS Measurement Period and for any other applicable period, an amount equal to fifty percent (50%) of the total of the three monthly Lump Sum Payments for such period without taking into account any set-offs against such monthly Lump Sum Payments.

**"BESS Annual Equivalent Availability Factor"**: Shall be as described in Attachment H, Section 2 (BESS Annual Equivalent Availability Factor) to this Contract.

**"BESS Capacity Performance Metric"**: Shall have the meaning set forth in Attachment H, Section 1 (BESS Tests) to this Contract.

"BESS Capacity Cure Period": Shall have the meaning set forth in Attachment C, Section 2 (BESS Capacity Test Termination Rights).

"BESS Capacity Ratio": Shall have the meaning set forth in Attachment H (BESS Tests) to this Contract.

"BESS Capacity Test": Shall have the meaning set forth in Attachment H (BESS Tests) to this Contract.

"BESS Contract Capacity": The storage capacity, in MWh, of the BESS, or \_\_\_ MWh.

"BESS EAF Performance Metric": Shall have the meaning set forth in Attachment C Section 2 (BESS Annual Equivalent Availability Factor and Liquidated Damages).

"BESS EFOF Performance Metric": Shall have the meaning set forth in Attachment C Section 2 (BESS Annual Equivalent Forced Outage Factor; Liquidated Damages).

"BESS Measurement Period": Shall mean, in any Contract Year, the following periods of three calendar months each: (i) the period beginning on the first day of the first calendar month of such Contract Year and extending through the last day of the third calendar month of such Contract Year; (ii) the period beginning on the first day of the fourth calendar month of such Contract Year and extending through the last day of the sixth calendar month of such Contract Year; (iii) the period beginning on the first day of the seventh calendar month of such Contract Year and extending through the last day of the ninth calendar month of such Contract Year; and (iv) the period beginning on the first day of the tenth calendar month of such Contract Year and extending through the last day of the twelfth calendar month of such Contract Year.

"BESS Measurement Period Report": For each BESS Measurement Period, the report of the data necessary for calculation of the Performance Metrics for such BESS Measurement Period to be provided by Subscriber Organization to Company in the form set forth in Section 1 (Monthly Report) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract or such other form as the Company may approve in writing.

"Bill Credit" shall mean the dollar amount credited by the Company to each Subscriber on the Subscriber's retail electric service bill, which represents the Subscriber's beneficial share of renewable energy produced by the CBRE Facility and exported to the Company, and offsetting Subscriber's current renewable energy usage on such service bill.

"Bill Credit Rate": shall mean the then current applicable "Credit Rate" as determined by the CBRE Tariff. The CBRE Tariff prescribes a specific Credit Rate in the event that CBRE Small Project Phase 2 Capacity (as defined in the CBRE Tariff) is not filled for any island and a competitive credit rate procurement ("CCRP") mechanism to set the Credit Rate if there are more applications for CBRE Small Project Phase 2 Capacity than is available for any island.

"Bill of Material": A list of equipment to be installed at the Facility including, but not necessarily limited to, items such as relays, breakers, and switches.

"Business Day": Any calendar day that is not a Saturday, a Sunday, or a federal or Hawai'i state holiday.

"CBRE Facility": Subscriber Organization's renewable electric energy facility that is the subject of this Contract, including the PV System, the BESS, all Subscriber Organization-Owned Interconnection Facilities and all other equipment, devices, associated appurtenances owned, controlled, operated and managed by Subscriber Organization in connection with, or to facilitate, the production, generation, storage, transmission, delivery or furnishing of electric energy by Subscriber Organization to Company and required to interconnect with the Company System.

"CBRE Framework" means the Phase 1 CBRE Framework, as amended and supplemented by the Phase 2 CBRE Framework.

"CBRE IO" means the Independent Observer contracted with the Company but answering to the PUC to carry out the responsibilities assigned to the Independent Observer under the Phase 2 CBRE Framework.

"CBRE Online Portal" is the interactive, internet website-based interface maintained by or on behalf of the Company through which the Subscriber Organization may establish qualifications, provide information and complete documents necessary for acceptance in the CBRE Program, and may enter or change the Monthly Subscription Information reflecting updated information for each Subscriber, including any changes to any Subscriber's name, account number, address, and Subscriber Allocation. For Phase One of the CBRE Program, the CBRE Online Portal will be a manually administered application form-based process managed by Company until the CBRE Online Portal is online and ready for commercial operation. The CBRE Online Portal should be completed in time for the commencement of Phase Two of the CBRE Program.

"CBRE Project": A community-based renewable energy project subject to the CBRE Tariff.

"CBRE Program": The program established under the CBRE Tariff to allow developers of renewable energy projects to provide Account Holders with an opportunity to avail themselves of the benefits of the CBRE Tariff.

"Commercial Operations": Upon satisfaction of the following conditions, the Facility shall be considered to have achieved Commercial Operations on the Day specified in Subscriber Organization's written notice described below: (i) the Acceptance Test has been passed, (ii) all generating units have passed Control System Acceptance Tests, (iii) the Transfer Date has occurred, (iv) Subscriber Organization has (1) provided to Company the Required Models (as defined in Section 6(a) (Subscriber Organization's Obligation to Provide Models) of Attachment F (Facility Owned by Subscriber Organization)) in the form of Source Code, (2) placed the current version of the Source Code for the Required Models with the Source Code Escrow Agent as required in Section 6(b)(i)(A) (Establishment of Source Code Escrow) of Attachment F (Facility Owned by Subscriber Organization), or (3) if Subscriber Organization is unable to arrange for the placement of the appropriate Source Code into the Source Code Escrow account, placed the required funds with the Monetary Escrow Agent as required in Section 6(b)(ii)(A) (Establishment of Monetary Escrow) of Attachment F (Facility Owned by Subscriber Organization), and (v) Subscriber Organization provides Company with written notice that (aa) Subscriber Organization is ready to declare the Commercial Operations Date and (bb) the Commercial Operations Date will occur within 24 hours (i.e., the next Day).

"Commercial Operations Date" or "COD": The date on which Facility first achieves Commercial Operations.

"Company": Shall have the meaning set forth in the preamble to this Contract.

"Company-Designated NEP Estimate": The estimated Net Energy Potential of the CBRE Facility as designated by Company pursuant to Section 1(c) (NEP IE Estimate and Company-Designated NEP Estimate) of Attachment D (Calculation and Adjustment of Net Energy Potential) this Contract.

"Company Dispatch": Company's right, through supervisory equipment or otherwise, to direct or control both the capacity and the energy output of the CBRE Facility from its minimum output rating to its maximum output rating consistent with this Contract (including, without limitation, Good Engineering and Operating Practices, which dispatch shall include real power, reactive power, voltage, frequency, the determination to cycle a unit off-line or to restart a unit, the droop control setting, the ramp rate setting, and other characteristics of such electric energy output whose parameters are normally controlled or accounted for in a utility dispatching system.

"Company-Owned Interconnection Facilities": Shall have the meaning set forth in of Attachment G (Company-Owned Interconnection Facilities).

"Company System": The electric system owned and operated by Company (to include any non-utility owned facilities) consisting of power plants, transmission and distribution lines, and related equipment for the production and delivery of electric power to the public.

"Company System Operator": The authorized representative of Company who is responsible for carrying out Company dispatch and curtailment of electric energy generation interconnected to the Company System.

"Company's Recommendations": Shall have the meaning set forth in Section 4(c) of Attachment F (Facility Owned by Subscriber Organization) to this Contract.

"Competitive Bidding Framework": The Framework for Competitive Bidding contained in Decision and Order No. 23121 issued by the Public Utilities Commission on December 8, 2006, and any subsequent orders providing for modifications from those set forth in Order No. 23121 issued December 8, 2006.

"Consultants List": Shall have the meaning set forth in Section 4(e) of Attachment F (Facility Owned by Subscriber Organization) to this Contract.

"Contract Capacity": Shall have the meaning set forth in Attachment F - Exhibit F-1 (Description of Generation and Battery Storage Facilities) to this Contract.

"Contract Year": A twelve (12) calendar month period commencing on either: (i) the Commercial Operations Date (if the Commercial Operations Date occurs on the first Day of a calendar month) and thereafter on each anniversary of the Commercial Operations Date; or (ii) the first Day of the calendar month following the month during which the Commercial Operations Date occurs, and thereafter on each anniversary of the first Day of such month; provided, however, that, in the latter case, the initial Contract Year shall also include the Days from the Commercial Operations Date to the first Day of the succeeding calendar month.

"Control System Acceptance Test(s)" or "CSAT": A test or tests performed on the centralized and collective control systems and Active Power Control Interface of the CBRE Facility, which includes successful completion of the Control System Telemetry and Control List, in accordance with procedures set forth in Attachment F (Control System Acceptance Test Procedures) of the Contract.

"Control System Telemetry and Control List": The Control System Telemetry and Control List includes, but is not limited to, all of the Facility's equipment and generation performance/quality parameters that will be monitored, alarmed and/or controlled by Company's Energy Management System (EMS) throughout the Term of this Contract.

Examples of the Control System Telemetry and Control List include:

Subscriber Organization's substation/equipment status – breaker open/closed status, equipment normal/alarm operating status, etc.

Subscriber Organization's generation data (analog values) – number of generators available/online, voltage, current, MW, MVAR, etc.

Subscriber Organization's generation performance (status and/or analog values) – ramp rate, generator frequency, etc.

Active Power control interface – dispatch MW setpoint, etc.

Voltage control interface – voltage kV setpoint, etc.

Power factor control interface – power factor setpoint, etc.

"Day": A calendar day.

"Disconnection Event": Shall have the meaning set forth in Section 4(a) of Attachment F (Facility Owned by Subscriber Organization) to this Contract.

"Dispute": Shall have the meaning set forth in Section 17. of this Contract.

"DPR": Shall have the meaning set forth in Section 17. of this Contract.

"EMS" or "Energy Management System": The real-time, computer-based control system, or any successor thereto, used by Company to manage the supply and delivery of electric energy to its consumers. It provides the Company System Operator with an integrated set of manual and automatic functions necessary for the operation of the Company System under both normal and emergency conditions. The EMS provides the interfaces for the Company System Operator to perform real-time monitoring and control of the Company System, including but not limited to monitoring and control of the Facility for system balancing, supplemental frequency control and economic dispatch as prescribed in this Contract.

"Enhanced Residential Threshold": A specific percentage of Contract Capacity in excess of 40% committed to by Subscriber Organization in its proposal as the percentage to be represented by Subscriber Allocations for Residential Subscribers. The Enhanced Residential Threshold for this Contract is \_\_%. [Drafting note: If there is no Enhanced Residential Threshold enter "N/A" in the blank.]

"Environment": Shall have the meaning set forth in Section 1(b)(iii)(G)(iii) (Malware) of Attachment F (Facility Owned by Subscriber Organization) to this Contract.

"Environmental Credits": Any environmental credit, offset, or other benefit allocated, assigned or otherwise awarded by any Governmental Authority, international agency, or non-governmental renewable energy certificate accounting and verification organization to Company or Subscriber Organization based in whole or in part on the fact that the CBRE Facility is a non-fossil fuel facility. Such Environmental Credits shall include, without limitation, the non-energy attributes of renewable energy including, but not limited to, any avoided emissions of pollutants to the air, soil, or water such as sulfur dioxide, nitrogen oxides, carbon monoxide, particulate matter, and hazardous air pollutants; any other pollutant that is now or may in the future be regulated under the pollution control laws of the United States; and avoided emissions of carbon dioxide and any other greenhouse gas, along with the renewable energy certificate reporting rights to these avoided emissions, but in all cases shall not mean tax credits.

"Event of Default": Shall have the meaning set forth in Section 13 (Events of Default By Subscriber Organization) of this Contract.

"Excess Energy Conditions": An operating condition on the Company System that may occur when Company has more energy available than is required to meet the load on the Company System at any point in time and the generating assets interconnected with the Company System are operating at or near their minimum levels, taking into consideration factors such as the need to maintain system reliability and stability under changing system conditions and configurations, the need for downward regulating reserves, the terms and conditions of power purchase Contracts for base-loaded firm capacity or scheduled energy, and the normal minimum loading levels of such units.

"Execution Date": The date designated as such on the first page of this Contract or, if no date is so designated, the date the Parties exchanged executed signature pages to this Contract.

"Facility's CBRE Program": The program offered by Subscriber Organization whereby Account Holders are afforded the opportunity to qualify for the benefits of the CBRE Tariff by acquiring a beneficial share in the Contract Capacity by which renewable energy is produced by the Facility and exported to Company. The Facility's CBRE Program includes the entire process of marketing and sales of the Subscriber Allocations, enrolling Account Holders, providing Company with the information necessary to afford each Subscriber the Bill Credit to which such Subscriber is entitled, responding to Subscriber inquiries, facilitating the transfer of Subscriber interests and buying back Subscriber interests. The Facility's CBRE Program shall have a duration of 20 years commencing on the Commercial Operations Date.

"Federal Non-Refundable Tax Credit": Shall mean any U.S. federal tax credit for which the federal government is not required to refund any tax credit which exceeds the tax payments due to the federal government by the Claiming Entity or to provide a cash rebate in lieu of such credit to the Claiming Entity.

"Federal Refundable Tax Credit": Shall mean any U.S. federal tax credit for which the federal government is required to refund any tax credit which exceeds the tax payments due to the federal government by the Claiming Entity or to provide a cash rebate in lieu of such credit to the Claiming Entity.

"First Benchmark Period": The period commencing on the Commercial Operations Date and ending on the last Day of the calendar month during which an OEPR Evaluator issues the Initial OEPR. During the First Benchmark Period, the First NEP Benchmark shall be the estimate of Net Energy Potential that is used to calculate the Lump Sum Payment as provided in Section 3.i (Lump Sum Payment During First Benchmark Period) of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) to this Contract.

"First NEP Benchmark": The estimate of Net Energy Potential that is used to calculate the Lump Sum Payment during the First Benchmark Period as provided in Section 3.i (Lump Sum Payment During First Benchmark Period) of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) to this Contract. The "First NEP Benchmark" shall consist of whichever of the following is applicable as of the Commercial Operation Date, as more fully provided in Section 1(c) (NEP IE Estimate and Company-Designated NEP Estimate) and Section 1(d) (NEP IE Estimate, Liquidated Damages and Subscriber Organization's Null and Void Right) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract: (i) NEP RFP Projection, (ii) NEP IE Estimate, (iii) Company-Designated NEP Estimate or (iv) such other amount as the Parties may agree in writing.

"First OEPR": Shall have the meaning set forth in Section 4(f) (Timeline and Fees) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract.

"Force Majeure": An event that satisfies the requirements of Section 27.A. (Definition of Force Majeure), Section 27.B. (Events That Could Qualify as Force Majeure) and Section 27.C. (Exclusions From Force Majeure).

"Forced Outage": A start failure or unplanned outage reported consistently with the principles in the NERC GADS REPORTING INSTRUCTIONS for SF, U1, U2 and U2 events. This may be a startup failure, a condition resulting in immediate shutdown or trip, or an outage which requires removal from the in-service state before the end of the next weekend (Sunday at 2400 or before Sunday turns into Monday). This type of outage can only occur while the resource is in service.

"Full Dispatch": A time period during which all inverters are available and there are no technical restrictions or limitations affecting generation imposed to meet Company Dispatch.

"Good Engineering and Operating Practices": The practices, methods and acts engaged in or approved by a significant portion of the electric utility industry for similarly situated U.S. facilities, considering Company's isolated island setting, that at a particular time, in the exercise of reasonable judgment in light of the facts known or

that reasonably should be known at the time a decision is made, would be expected to accomplish the desired result in a manner consistent with law, regulation, reliability for an island system, safety, environmental protection, economy and expedition. With respect to the CBRE Facility, Good Engineering and Operating Practices include, but are not limited to, taking reasonable steps to ensure that:

Adequate materials, resources and supplies, are available to meet the CBRE Facility's needs under normal conditions and reasonably foreseeable abnormal conditions.

Sufficient operating personnel are available and are adequately experienced and trained to operate the CBRE Facility properly, efficiently and within manufacturer's guidelines and specifications and are capable of responding to emergency conditions.

Preventive, routine and non-routine maintenance and repairs are performed on a basis that ensures reliable long-term and safe operation, and are performed by knowledgeable, trained and experienced personnel utilizing proper equipment, tools, and procedures.

Appropriate monitoring and testing is done to ensure equipment is functioning as designed and to provide assurance that equipment will function properly under both normal and reasonably foreseeable abnormal conditions.

Equipment is operated in a manner safe to workers, the general public and the environment and in accordance with equipment manufacturer's specifications, including, without limitation, defined limitations such as temperature, current, frequency, polarity, synchronization, control system limits, etc.

"Governmental Approvals": All permits, licenses, approvals, certificates, entitlements and other authorizations issued by Governmental Authorities, as well as any agreements with Governmental Authorities, required for the construction, ownership, operation and maintenance of the CBRE Facility and the Company-Owned Interconnection Facilities, and all amendments, modifications, supplements, general conditions and addenda thereto.

"Governmental Authority": Any federal, state, local or municipal governmental body; any governmental, quasi-governmental, regulatory or administrative agency, commission, body or other authority exercising or entitled to exercise any administrative, executive, judicial, legislative, policy, regulatory or taxing authority or power; or any court or governmental tribunal.

"GPR": Shall have the meaning set forth in Section 3.C. (Assurance of Capability of CBRE Facility to Deliver Net Energy Potential and Availability of BESS).

"GPR Performance Metric": Shall be as determined under Attachment C, Section 1.B (Determination of GPR Performance Metric) of this Contract.

"Hawai'i Investment Tax Credit": Shall mean a credit against Hawai'i source income for which Subscriber Organization is eligible on the Commercial Operations Date or thereafter because of investment in renewable energy technologies incorporated into the CBRE Facility.

"Hawai'i Non-Refundable Tax Credit": Shall mean any Hawai'i Investment Tax Credit for which the State of Hawai'i is not required to refund any tax credit which exceeds the tax payments due to the State of Hawai'i by the Claiming Entity or to provide a cash rebate in lieu of such credit to the Claiming Entity.

"Hawai'i Production Tax Credit": Shall mean a credit against Hawai'i source income for which Subscriber Organization is eligible on the Commercial Operations Date or thereafter because of the energy produced by the CBRE Facility.



"Hawai'i Refundable Tax Credit": Shall mean any Hawai'i Investment Tax Credit for which the State of Hawai'i is required to refund any tax credit which exceeds the tax payments due to the State of Hawai'i by the Claiming Entity or to provide a cash rebate in lieu of such credit to the Claiming Entity.

"Hawai'i Renewable Energy Tax Credit": The Hawai'i Investment Tax Credit and the Hawai'i Production Tax Credit.

"HERA": The Hawai'i Electricity Reliability Administrator.

"HERA Law": Act 166 (Haw. Leg. 2012), which was passed by the 27th Hawai'i Legislature in the form of S.B. No. 2787, S.D. 2, H.D.2, C.D.1 on May 2, 2012 and signed by the Governor on June 27, 2012. The effective date for the law is July 1, 2012. The HERA Law authorizes (i) the PUC to develop, adopt, and enforce reliability standards and interconnection requirements, (ii) the PUC to contract for the performance of related duties with a party that will serve as the HERA, and (iii) the collection of a Hawai'i electricity reliability surcharge to be collected by Hawai'i's electric utilities and used by the HERA. Reliability standards and interconnection requirements adopted by the PUC pursuant to the HERA Law will apply to any electric utility and any user, owner, or operator of the Hawai'i electric system. The PUC also is provided with the authority to monitor and compel the production of data, files, maps, reports, or any other information concerning any electric utility, any user, owner or operator of the Hawai'i electric system, or other person, business, or entity, considered by the commission to be necessary for exercising jurisdiction over interconnection to the Hawai'i electric system, or for administering the process for interconnection to the Hawai'i electric system.

"House Power" shall mean the electricity needed to assist in the operation of the CBRE Facility including system performance monitoring and associated communications, except for energy directly required for the local control and safe operation of the PV System and BESS. It also means other electricity used by the CBRE Facility, such as for perimeter lighting, a visitor's center or any other structures or facilities at the CBRE Facility site.

"Independent AF Evaluator": A person empowered, pursuant to Section 2(e) (Appointment of Independent AF Evaluator) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to resolve disagreements due to failure of the Parties to resolve a Monthly Report Disagreement.

"Initial NEP OEPR Estimate": The NEP OEPR Estimate set forth in or derived from the Initial OEPR, as more fully set forth in Section 4(e) (Terms of Engagement) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract.

"Initial NEP Verification Date": The first Day of the calendar month following the fifteenth (15th) calendar month after the Commercial Operations Date.

"Initial OEPR": The OEPR to be prepared pursuant in Section 2 (Initial OEPR) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract.

"Interconnection Facilities": The equipment and devices required to permit the CBRE Facility to operate in parallel with, and deliver electric energy to, the Company System and provide reliable and safe operation of, and power quality on, the Company System (in accordance with applicable provisions of the PUC's General Order No. 7, Company tariffs, operational practices, interconnection requirements studies, and planning criteria), such as, but not limited to, transmission and distribution lines, transformers, switches, and circuit breakers.

"Interconnection Requirements Study" or "IRS": A study, performed in accordance with the terms of the to determine, among other things, (a) the system requirements and equipment requirements to interconnect the CBRE Facility with the Company System, (b) the Performance Standards for the CBRE Facility, and (c) an estimate of interconnection costs and project schedule for interconnection of the CBRE Facility.

"IRS Letter Agreements": The system impact study and Facility study letter agreements and any written, signed amendments thereto, between Company and Seller that collectively describe the scope, schedule, and payment arrangements for the Interconnection Requirements Study.

"Interface Block Diagram": The visual representation of the signals between Subscriber Organization and Company, including but not limited to, Telemetry and Control points, digital fault recorder settings, telecommunications and protection signals.

"kV": Kilovolt.

"kW": Kilowatt. Unless expressly provided otherwise, all kW values stated in this Contract are alternating current values and not direct current values.

"Land Rights": All easements, rights of way, licenses, leases, surface use agreements and other interests or rights in real estate.

"Laws": All federal, state and local laws, rules, regulations, orders, ordinances, permit conditions and other governmental actions.

"LD Assessment Date": For the last month of each LD Period, the Day following the expiration of the 10-Business Day period provided for Company to submit a Notice of Disagreement pursuant to Section 2(a) (Notice of Disagreement With Monthly Report) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract.

"LDT": Shall have the meaning set forth in Attachment C (RTE Test and Liquidated Damages).

"LMI Minimum Threshold": A specific percentage of Contract Capacity committed to by Subscriber Organization in its proposal as the percentage to be represented by Subscriber Allocations for LMI Subscribers. The Minimum LMI Threshold for this Contract is \_\_%. [Drafting note: The percentage shall be taken from Subscriber Organization's proposal if that proposal included a LMI Minimum Threshold. If there is no LMI Minimum Threshold enter "N/A" in the blank. For dedicated LMI projects, the LMI Minimum Threshold is 100%.]

"LMI Subscriber": A Subscriber who satisfies the LMI requirements set forth in Section 15 (LMI Subscribers) of Attachment I (Facility's CBRE Program) to this Contract.

"LD Period": A rolling period of twelve (12) calendar months each. At the end of each calendar month, the LD Period rolls forward to include the next calendar month. The initial "LD Period" shall consist of the 12 full calendar months of the initial Contract Year.

"Losses": Any and all direct, indirect or consequential damages, fines, penalties, deficiencies, losses, liabilities (including settlements and judgments), costs, expenses (including reasonable attorneys' fees and court costs) and disbursements.

"Lowest BESS Capacity Bandwidth": Shall have the meaning set forth in Attachment C Section 3. (BESS Capacity Test and Liquidated Damages).

"Lump Sum Payment": The monthly lump sum as provided in Section 2 (Lump Sum Payment for Purchase of Dispatchability) of Attachment B to this Contract (Company Payments for Energy, Dispatchability and Availability of BESS).

"Malware": means computer software, code or instructions that: (a) intentionally, and with malice intent by a third party, adversely affect the operation, security or integrity of a computing, telecommunications or other digital operating or processing system or environment, including without limitation, other programs, data, databases,

computer libraries and computer and communications equipment, by altering, destroying, disrupting or inhibiting such operation, security or integrity; (b) without functional purpose, self-replicate without manual intervention; (c) purport to perform a useful function but which actually performs either a destructive or harmful function, or perform no useful function other than utilize substantial computer, telecommunications or memory resources with the intent of causing harm; or (d) without authorization collect and/or transmit to third parties any information or data; including such software, code or instructions commonly known as viruses, Trojans, logic bombs, worms, adware and spyware.

"Management Meeting": Shall have the meaning set forth in Section 17 (Good Faith Negotiations).

"Maximum Rated Output": Net maximum output of the BESS in MW, which shall not exceed the Allowed Capacity.

"Measured Performance Ratio" or "MPR": Shall have the meaning set forth in Attachment C, Section 2.A. (Calculation of Measured Performance Ratio) of this Contract.

"Monthly Progress Report": Shall have the meaning set forth in Attachment E (Monthly Progress Report).

"Monthly Report": The report of the data (for the calendar month and the LD Period, the MPR Assessment Period and the BESS Measurement Period ending with such calendar month) necessary for the calculation of the Performance Metrics to be provided by Subscriber Organization to Company as set forth in Section 1 (Monthly Report) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract. Without limitation to the generality of the preceding sentence, references to the Monthly Report for a month that constitutes the last month of a BESS Measurement Period shall be deemed to include the BESS Measurement Period Report for such BESS Measurement Period.

"Monthly Report Disagreement": Any disagreement arising out of the same Monthly Report.

"Monthly Subscription Information" shall mean the information stored within the CBRE Online Portal, as timely entered or changed by the Subscriber Organization via the CBRE Online Portal, setting forth the name, account number and service address each Subscriber holding Subscriptions in the CBRE Facility, and the Subscriber Allocation applicable to each such Subscriber's Subscription, reflecting each Subscriber's allocable portion of renewable energy produced by the CBRE Facility during a particular Production Month.

"Most Recent Prior NEP Benchmark": In the event a Subsequent OEPR is prepared for an OEPR Period of Record ending on or after the commencement of the fourth (4th) Contract Year, the "Most Recent Prior NEP Benchmark" shall be (i) for the first such Subsequent OEPR, the Second NEP Benchmark that was used to calculate the Lump Sum Payment for the last month of the Second Benchmark Period pursuant to Section 3.iii.a of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) to this Contract and (ii) for all Subsequent OEPRs prepared after the aforementioned first Subsequent OEPR, the NEP OEPR Estimate obtained from the immediately preceding Subsequent OEPR.

"MPR": Shall have the meaning set forth in Attachment C Section 2 of this Contract.

"MPR Assessment Period": Shall mean, for purposes of demonstrating a Measured Performance Ratio, a rolling period of twelve (12) calendar months each. At the end of each calendar month, the MPR Assessment Period rolls forward to include the next calendar month. The initial "MPR Assessment Period" shall consist of the 12 full calendar months of the initial contract year.

"MPR Assessment Period Lump Sum Payment": For each MPR Assessment Period, the monthly Lump Sum Payment for the twelfth month of such MPR Assessment Period after deducting the amounts (if any) payable as

liquidated damages under Attachment C Section 1. (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages) for the same calendar month in question.

"MPR Test": Shall have the meaning set forth in Attachment C, Section 2.A. iv (MPR Test) of this Contract.

"MW": Megawatt. Unless expressly provided otherwise, all MW values stated in this Contract are alternating current values and not direct current values.

"NEP IE Estimate": The estimated Net Energy Potential of the CBRE Facility to which the IE Energy Assessment Report assigns a P-Value of 95 for a ten-year period.

"NEP OEPR Estimate": For each OEPR, the estimated Net Energy Potential of the CBRE Facility to which such OEPR assigns a P-Value of 95 for a ten-year period.

"NEP RFP Projection": The Net Energy Potential of the CBRE Facility to which the Subscriber Organization in Subscriber Organization's RFP Proposal assigns a P-Value of 95 for a ten-year period.

"NERC GADS": Shall have the meaning set forth in Attachment C, (Assurance of Capability of CBRE Facility to Deliver Net Energy Potential and Availability of BESS) of this Contract.

"Net Amount": Shall mean, with respect to any Hawai'i Renewable Tax Credit, the amount remaining after deducting any documented and reasonable financial, legal, administrative and other costs and expenses of applying for, pursuing, monetizing and receiving the applicable Hawai'i Renewable Tax Credit, payments by (or reserves established for the payment by) Subscriber Organization and/or its investors on account of federal or state income taxes (at the highest applicable marginal corporate rate) payable with respect to receipt of such Hawai'i Renewable Tax Credit, and all payments to or reserves required by Subscriber Organization's lenders or other financing parties in connection with the application for or receipt of such Hawai'i Renewable Tax Credit.

"Net Energy": The total quantity of electric energy (measured in kilowatt hours) produced by the CBRE Facility over a given time period and delivered to the Point of Interconnection, as measured by the Revenue Meter. "Net Energy" the equivalent of "Actual Output."

"Net Energy Potential": The estimated single number with a P-Value of 95 for the annual Net Energy that could be produced by the CBRE Facility based on the estimated long-term monthly and annual total of such production over a ten-year period. The Net Energy Potential is subject to adjustment as provided in Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract, but in no circumstances shall the Net Energy Potential exceed the NEP RFP Projection.

"Notice of Disagreement": Shall have the meaning set forth in Section 2(a) (Notice of Disagreement With Monthly Report) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract.

"OEPR": An Operational Energy Production Report, including the Initial OEPR and each Subsequent OEPR.

"OEPR Conference": Shall have the meaning set forth in Section 4(g) (Review of the First OEPR Evaluator Report) of this Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract.

"OEPR Consultants List": The engineering firms listed in Section 4(j) (Acceptable Persons and Entities) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract, as such list may be expanded or contracted by the Parties as provided in Section 4(b) (Eligibility for Appointment as OEPR Evaluator) of said Attachment D (Calculation and Adjustment of Net Energy Potential) or Section 2(f) (Eligibility for Appointment as

Independent AF Evaluator) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract.

"OEPR Evaluator": Shall have the meaning set forth in Section 4(a) (Selection of OEPR Evaluator) of Attachment D (Calculation and Adjustment of Net Energy Potential) of this Contract.

"OEPR Period of Record": For each OEPR, the twelve-month period preceding the Applicable NEP Verification Date for such OEPR.

"Parties": Subscriber Organization and Company, collectively.

"Party": Each of Subscriber Organization or Company.

"Pay-As-You-Go": refers to any lease or subscription interest in a CBRE project or its energy output in which a Subscriber does not make any up-front payment (except for fixed administrative or other costs not based on the level of Subscriber's interest) to the Subscriber Organization for Subscriber's interest and instead makes periodic, e.g., monthly, payments to the Subscriber Organization for Subscriber's interest, with such payment to be commensurate with the extent of the Subscriber's interest in the CBRE project. The payment for the Subscriber's interest in the Pay-As-You-Go model does not include other payments that may be necessary from a Subscriber to the Subscriber Organization, such as operations and maintenance, insurance and other cost items that may be specified in the Subscriber Agreement between Subscriber and Subscriber Organization for a particular CBRE project

"Pay-Up-Front": refers to any asset-type interest in a CBRE project or its energy output where the Subscriber is required to make an up-front payment to the Subscriber Organization for Subscriber's interest and thereafter is not required to make further periodic payments to the Subscriber Organization for Subscriber's interest in the CBRE project. The payment for the Subscriber's interest in the Pay-Up-Front model does not include other payments that may be necessary from a Subscriber to the Subscriber Organization, such as operations and maintenance, insurance and other cost items that may be specified in the Subscriber Agreement between Subscriber and Subscriber Organization for a particular CBRE project.

"Performance Metrics": Each of the applicable RE System Equivalent Availability Factor Performance Metric, the GPR Performance Metric, the BESS Capacity Performance Metric, the BESS EAF Performance Metric, the BESS EFOF Performance Metric, the RTE Performance Metric, and the Fast Frequency Response Performance Metric.

"Performance Metrics LDs": Shall have the meaning set forth in Attachment C, Section \_\_ (Payment of Liquidated Damages for Failure to Achieve Performance Metrics; Limitation on Liquidated Damage).

"Performance Standards": The various performance standards for the operation of the Facility and the delivery of electric energy from the Facility to Company specified in Section 3 (Performance Standards) of Attachment F (Facility Owned by Subscriber Organization), as such standards may be revised from time to time pursuant to this Contract.

"Performance Standards Information Request": A written notice from Company to Subscriber Organization proposing revisions to one or more of the Performance Standards then in effect and requesting information from Subscriber Organization concerning such proposed revision(s).

"Performance Standards Modifications": For each Performance Standards Revision, any capital improvements, additions, enhancements, replacements, repairs or other operational modifications to the Facility and/or to changes in Subscriber Organization's operations or maintenance practices necessary to enable the Facility to achieve the performance requirements of such Performance Standards Revision.

"Performance Standards Pricing Impact": Any adjustment in Contract Pricing necessary to specifically reflect the recovery of the net costs and/or net lost revenues specifically attributable to any Performance Standards Modification necessary to comply with a Performance Standard Revision, which shall consist of the following: (i) recovery of, and return on, any capital investment (aa) made over a cost recovery period starting after the Performance Standards Revision is made effective following a PUC Performance Standards Revision Order through the end of the Initial Term and (bb) based on a proposed capital structure that is commercially reasonable for such an investment and the return on investment is at market rates for such an investment or similar investment); (ii) recovery of reasonably expected net additional operating and maintenance costs; and (iii) an adjustment in pricing necessary to compensate Subscriber Organization for reasonably expected reductions, if any, in the delivery of electric energy to Company under this Contract, which shall consist of (yy) an increase in payments necessary to compensate Subscriber Organization for expected reduced electric energy payments under this Contract; and (zz) to the extent applicable, an increase in payments necessary to compensate Subscriber Organization for reasonably expected reductions in receipt of production tax credits (pursuant to Section 45 of the Internal Revenue Code) calculated on an after-tax basis.

"Performance Standards Proposal": A written communication from Subscriber Organization to Company detailing the following with respect to a proposed Performance Standards Revision: (i) a statement as to whether Subscriber Organization believes that it is technically feasible to comply with the Performance Standards Revision and the basis therefor; (ii) the Performance Standards Modifications proposed by Subscriber Organization to comply with the Performance Standards Revision; (iii) the capital and incremental operating costs of any necessary technical improvements, and any other incremental net operating or maintenance costs associated with any necessary operational changes, and any expected lost revenues associated with expected reductions in electric energy delivered to Company; (iv) the Performance Standards Pricing Impact of such costs and/or lost revenues; (v) information regarding the effectiveness of such technical improvements or operational modifications; (vi) proposed contractual consequences for failure to comply with the Performance Standard Revision that would be commercially reasonable under the circumstances; and (vii) such other information as may be reasonably required by Company to evaluate Subscriber Organization's proposals. A Performance Standards Proposal may be issued either in response to a Performance Standards Information Request or on Subscriber Organization's own initiative.

"Performance Standards Revision": A revision, as specified in a Performance Standards Information Request or a Subscriber Organization-initiated Performance Standards Proposal, to the Performance Standards in effect as of the date of such Request or Proposal.

"Performance Standards Revision Document": A document specifying one or more Performance Standards Revisions and setting forth the changes to the Contract necessary to implement such Performance Standards Revision(s). A Performance Standards Revision Document may be either a written agreement executed by Company and Subscriber Organization or as directed by the Independent Evaluator pursuant to this Contract, in the absence of such written agreement.

"Phase 1 CBRE Framework" means that certain "Community-Based Renewable Energy – A Program Framework" issued by the PUC and attached as Attachment A to that certain Decision and Order No. 35137, filed December 22, 2017, in Docket No. 2015-0389, portions of which are applicable to Phase 2 of the CBRE Program as specified in the CBRE Tariff.

"Phase 2 CBRE Framework" means the framework established by the Commission pursuant to Order No. 37070, issued April 9, 2020, in Docket No. 2015-0389. The Phase 2 CBRE Framework provides the basis and framework for Phase 2 of the CBRE Program and is implemented by the CBRE Tariff.

"Point of Interconnection": The point of delivery of electric energy and/or capacity supplied by Subscriber Organization to Company, where the CBRE Facility owned by the Subscriber Organization interconnects with the

Company System. The Subscriber Organization shall own and maintain the facilities from the CBRE Facility to the Point of Interconnection, excluding any Company-Owned Interconnection Facilities located on the Site. The Company shall own and maintain the facilities from the Point of Interconnection to the Company's system. The Point of Interconnection will be identified in the IRS and set forth on the Single-Line Drawing and Interface Block Diagram in Attachment F, Exhibit F-5 Single-Line Drawing and Interface Block Diagram).

"Prime Rate" shall mean the current "U.S. Prime Rate" of interest, as published from time to time by The Wall Street Journal in the "Money Rates" section of its Western Edition Newspaper. The Prime Rate shall change without notice with each change in the U.S. Prime Rate reported by The Wall Street Journal, as of the date such change is reported.

"Project": The Facility as described in Attachment F (Facility Owned by Subscriber Organization).

"Project Documents": This Contract, any ground lease or other agreement or instrument in respect of the Site and/or the Land Rights, all construction contracts to which Subscriber Organization is or becomes a party thereto, operation and maintenance agreements, and all other agreements, documents and instruments to which Subscriber Organization is or becomes a party thereto in respect of the Facility, other than the Financing Documents, as the same may be modified or amended from time to time in accordance with the terms thereof.

"PUC": Shall have the meaning set forth in the Recitals.

"PUC Performance Standards Revision Order": The decision and order of the PUC approving the application or motion by the Parties seeking (i) approval of the Performance Standards Revision in question and the associated Performance Standards Revision Document, (ii) finding that the impact of the changes to the Contract Pricing on Company's revenue requirements is reasonable, and (iii) approval to include the costs arising out of pricing changes in Company's Energy Cost Recovery Clause (or equivalent).

"PUC's Standards": Standards for Small Power Production and Cogeneration in the State of Hawai'i, issued by the Public Utilities Commission of the State of Hawai'i, Chapter 74 of Title 6, Hawai'i Administrative Rules, currently in effect and as may be amended from time to time.

"PV System": The photovoltaic solar electric generating project as more particularly described in Exhibit F-1 to Attachment F to the Contract (Description of Generation and Battery Storage Facilities).

"PV System Equivalent Availability Factor Performance Metric": Shall have the meaning set forth in Attachment C, (required performance metrics; liquidated damages).

"Renewable Portfolio Standards" or "RPS": The Hawai'i law that mandates that Company and its subsidiaries generate or purchase certain amounts of their net electricity sales over time from qualified renewable resources. The RPS requirements in Hawai'i are currently codified as Hawai'i Revised Statutes (HRS) 269-91 through 269-95.

"Renewable Resource Baseline": The estimated renewable resource potential of the Site for a typical meteorological year. For avoidance of doubt, the purpose of this term is to provide a short-hand characterization of the nature of the renewable resource risk assumed by the Subscriber Organization under this Contract in making its Site selection.

"Renewable Resource Variability": The variations, above and below the Renewable Resource Baseline, of the renewable resource actually available at the Site on a moment-to-moment basis. For avoidance of doubt, the purpose of this term is to provide a short-hand characterization of the nature of the renewable resource risk assumed by the Company under this Contract in agreeing to make fixed payments in an amount calculated on the

basis of the CBRE Facility's capability to deliver the Net Energy Potential regardless of whether or not sufficient renewable resource is in fact available at any particular moment.

"Revenue Meter": The revenue meter packaging, revenue metering PTs and CTs, and secondary wiring, which will record the renewable energy produced by the CBRE Facility and dispatched to the Company at the Point of Interconnection.

"RFP": Company's Request for Proposals issued on [ \_\_\_\_\_ ], 20.

"RFP Proposal": The documents and submissions comprising Subscriber Organization's proposal selected in response to the RFP.

"RTE Performance Metric": Shall have the meaning set forth in Attachment H, Section 1 (BESS Tests) to this Contract.

"SCADA" or "Supervisory Control and Data Acquisition": The Company system that provides remote control and monitoring of Company's transmission and sub-transmission systems and enables Company to perform real-time control of equipment in the field and to monitor the conditions and status of the Company System.

"Second Benchmark Period": The period commencing on the first Day of the calendar month following the month during which an OEPR Evaluator issues the Initial OEPR and ending with the expiration of the third (3rd) Contract Year. For avoidance of doubt, the effect of the foregoing definition is that the Second Benchmark Period will follow immediately upon the expiration of the First Benchmark Period.

"Second NEP Benchmark": For each calendar month during the Second Benchmark Period, the estimate of Net Energy Potential to be used during such calendar month to calculate the Lump Sum Payment pursuant to Section 3.ii.a of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) to this Contract. For avoidance of doubt, the Second NEP Benchmark may vary during the Second Benchmark Period as and to the extent provided in said Section 3.ii.a.

"Second OEPR": Shall have the meaning set forth in Section 4(g) (Review of the First OEPR Evaluator Report) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract.

"Second OEPR Evaluator": Shall have the meaning set forth in Section 4(g) (Review of the First OEPR Evaluator Report) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract.

"Site": The parcel of real property on which the CBRE Facility will be constructed and located, together with any Land Rights reasonably necessary for the construction, ownership, operation and maintenance of the CBRE Facility. The Site is identified in Attachment F (Facility Owned by Subscriber Organization) to this Contract.

"Source Code": Shall mean the human readable source code of the Required Models which: (i) will be narrated documentation related to the compilation, linking, packaging and platform requirements and any other materials or software sufficient to enable a reasonably skilled programmer to build, modify and use the code within a commercially reasonable period of time for the purposes of a Source Code Authorized Use; and (ii) can reasonably be compiled by a computer for execution.

"Source Code Authorized Use": Shall have the meaning set forth in Section 6(b)(i)(E) (Authorized Use) of Attachment F (Facility Owned by Subscriber Organization) of this Contract.

"Source Code Escrow": Shall mean the escrow established with the Source Code Escrow Agent under the terms of the Source Code Escrow Agreement under which Source Code shall be confidentially deposited by a Source Code Owner for safekeeping and, upon the satisfaction of certain conditions, release to the Company.



"Source Code Escrow Agent": Shall mean Iron Mountain Intellectual Property Management, Inc. or such other similar escrow agent approved by Company.

"Source Code Escrow Agreement": Shall mean a multi-party escrow agreement between Company, Source Code Escrow Agent and any and all Source Code Owners depositing Source Code into the Source Code Escrow which, among other matters, names Company as beneficiary thereunder, and is otherwise acceptable in form and substance to Company.

"Source Code Owner": Shall mean the developer and/or owner of the Required Models utilizing Source Code authorized to deposit the Source Code with the Source Code Escrow Agent upon the terms of the Source Code Escrow Agreement.

"SOX 404": Shall have the meaning set forth in Section 8.F. (Financial Compliance) of the Contract.

"State of Charge": Energy in the BESS stated as a percentage of BESS Contract Capacity.

"Submission Notice": Shall have the meaning set forth in Section 2(e) (Appointment of Independent AF Evaluator) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract.

"Study": Shall have the meaning set forth in Section 4(e) of Attachment F (Facility Owned by Subscriber Organization) to this Contract.

"Submission Notice": Shall have the meaning set forth in Section 2(e) (Appointment of Independent AF Evaluator) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract.

"Subscriber" means a retail customer of the Company who owns one or more Subscriptions of a CBRE Facility interconnected with the Company.

"Subscriber Agency Agreement and Consent Form" means the agreement between Subscriber Organization and Subscriber, the form of which is included in the CBRE Tariff.

"Subscriber Allocation" shall mean, for each Subscriber, such Subscriber's percentage interest in the total nameplate capacity of the RE System, reflecting each Subscriber's allocable portion of renewable energy available for dispatch by the CBRE Facility in a particular calendar month.

"Subscriber's Confidential Account Information" consists of the Subscriber's name, account number, service address, telephone number, email address, web site URL, information on Subscriber participation in other distributed generation serving the premises of the Subscriber, and Subscriber specific Bill Credit(s).

"Subscriber Organization": Shall have the meaning set forth in the preamble to this Contract.

"Subscriber Organization Affiliate": Shall have the meaning set forth in Section 6(b)(ii)(A) (Establishment of Monetary Escrow) of Attachment F (Facility Owned by Subscriber Organization) to this Contract.

"Subscriber Organization-Attributable Non-Generation": Time periods during which the inverter in question (or the CBRE Facility as a whole) is not dispatched or is derated or shutdown (or the CBRE Facility is disconnected) because of any of the following:

The CBRE Facility's failure to comply with any of the Performance Standards, Good Engineering and Operating Practices, Governmental Approvals, applicable Laws or Subscriber Organization's other obligations under this Contract;

Subscriber Organization-Attributable System Conditions;

Conditions at or on either side of the Point of Interconnection arising from the acts or omissions of Subscriber Organization or any of its affiliates, employees, agents, contractors, vendors, materialmen, independent contractors or suppliers of Subscriber Organization, acting in such capacity for the benefit of Subscriber Organization ("Subscriber Organization Representatives"), unless such acts or omissions are themselves excused by reasons of Force Majeure pursuant to Section 27 (Force Majeure) of the Contract;

A disconnection initiated by the Company pursuant to Section 12 (Personnel and System Safety) of this Contract that is caused by Subscriber Organization or any Subscriber Organization Representatives;

The Company has reasonably decided that it is inadvisable for such WTG, inverter (or the CBRE Facility as a whole) to continue normal operations without a further Control System Acceptance Test as provided in Attachment F to the Contract;

The CBRE Facility is deemed to be in Subscriber Organization-Attributable Non-Generation status under any of the following Sections of Attachment F: Section 1(g)(vi), Section 1(j) (Demonstration of Facility) or Section 4(e); and

The CBRE Facility is shutdown at the direction of Company, and such shutdown is caused by Subscriber Organization or any Subscriber Organization Representatives or the lack of reliable real time data.

Each time period of Subscriber Organization-Attributable Non-Generation shall constitute an Outage or Deration, as applicable.

"Subscriber Organization-Attributable System Conditions": Conditions on the Company System:

(i) that result from either (a) the CBRE Facility's generation and delivery of electric power to the Company System or (b) any condition arising from the acts or omissions of Subscriber Organization or any Subscriber Organization Representative, unless such acts or omissions are themselves excused by reasons of Force Majeure pursuant to Section 27 of the Contract; and

(ii) caused by or attributable to the CBRE Facility or Subscriber Organization or any Subscriber Organization Representatives that Company reasonably determines to either (a) be inconsistent with Good Engineering and Operating Practices on the Company System or (b) jeopardize the safety, reliability or stability of the Company System.

For avoidance of doubt, the Company's inability to dispatch the CBRE Facility due to the existence of Excess Energy Conditions on the Company System shall not constitute Subscriber Organization-Attributable System Conditions.

"Subscriber Organization-Owned Interconnection Facilities": The Interconnection Facilities constructed and owned by Subscriber Organization.

"Subscriber's Confidential Account Information" consists of the Subscriber's name, account number, service address, telephone number, email address, web site URL, information on Subscriber participation in other distributed generation serving the premises of the Subscriber, and Subscriber specific Bill Credit(s).

"Subscriber's Usage Data" refers to data collected from the utility Subscriber meters that reflects the quantity, quality, or timing of electric usage or renewable energy production attributable to the Subscriber for the service address and account number identified for participation in the CBRE Facility.

"Subscription" or "Subscription Agreement" means the contract between a Subscriber and the Subscriber Organization.

"Subsequent NEP OEPR Estimate": For each Subsequent OEPR, the NEP OEPR Estimate derived from such Subsequent OEPR.

"Subsequent OEPR": Any OEPR prepared pursuant to Section 3 (Subsequent OEPRs) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract.

"Subsequent NEP OEPR Estimate": For each Subsequent OEPR, the NEP OEPR Estimate derived from such Subsequent OEPR.

"Subsequent OEPR": Any OEPR prepared pursuant to Section 3 (Subsequent OEPRs) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract.

"Substantial Progress" means that on or before the last Day of the 18-month period (including day-for-day extensions) to achieve the Commercial Operations Date, the Subscriber Organization has achieved all of the following: (1) Installed one-hundred percent (100%) of the RE System foundation (including pier, helical screw, ballasts, or similar) to enable mounting of the nameplate capacity as collectively set forth in Attachment F to this Contract; (2) Built, or otherwise has in place, a permanent drivable (road) surface on the parcel or parcels of land associated with the CBRE Facility so that Company on a 24 hour a day, seven days a week, basis can access its equipment, including but not limited to lines, poles, transformers, billing meters, underground facilities and other facilities, but excluding production meters. The drivable road surface needs to be reasonably sufficient to support operation and maintenance vehicles; and (3) Built, or otherwise has in place, a permanent fence surrounding the entirety of the CBRE Facility location

"Telemetry and Control": The interface between Company's EMS and the physical equipment at the Facility.

"Term" means the term of this Contract and shall begin when this Contract is signed by the Parties and end twenty (20) years after the Commercial Operations Date unless otherwise provided for in this Contract.

"Termination Damages": Liquidated damages calculated in accordance with Section 15 (Damages in the Event of Termination by Company) of this Contract.

"Termination Deadline": The 30th Day following the date the completed IRS is provided to Subscriber Organization, or such later date as Company and Subscriber Organization may agree to by a written agreement.

"Third OEPR": Shall have the meaning set forth in Section 4(h) (Review of the Second OEPR Evaluator Report) of this Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract.

"Third OEPR Evaluator": Shall have the meaning set forth in Section 4(h) (Review of the Second OEPR Evaluator Report) of this Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract.

"Third Party": Any person or entity other than Company or Subscriber Organization, and includes, but is not limited to, any subsidiary or affiliate of Subscriber Organization.

"Tier 1 Bandwidth": The Tier 1 bandwidth set forth in Attachment C, Section 2 C (GPR Performance Metric and Liquidated Damages) of this Contract.

"Tier 2 Bandwidth": The Tier 2 bandwidth set forth in Attachment C, Section 2 C (GPR Performance Metric and Liquidated Damages) of this Contract.

"Unit Price": \$ \_\_\_ per \_\_\_ MWh of Net Energy Potential annually. [TO BE CALCULATED FROM RESPONSE TO RFP.]

"Unsubscribed RDG": That portion of the Contract Capacity during a particular calendar month that is not associated with any Subscriber and is therefore not included in any Subscriber Allocation for such month. The Unsubscribed RDG for a particular calendar month is the balance of the Contract Capacity remaining.

---END---

**ATTACHMENT B**  
**COMPANY PAYMENTS FOR ENERGY, DISPATCHABILITY AND AVAILABILITY OF BESS**

1. Price for Purchase of Electric Energy. Commencing on the Commercial Operations Date, Company shall pay Subscriber Organization for electric energy produced by the Facility and delivered to the Point of Interconnection in response to Company Dispatch in accordance with this Contract at the rate of

\$0.00/MWh. Company shall also not pay for electric energy delivered to the Point of Interconnection from the BESS.

2. Lump Sum Payment. Commencing on the Commercial Operations Date, Company shall pay for the availability of the Facility's Net Energy Potential, subject to the Renewable Resource Variability, to respond to Company Dispatch in accordance with this Contract, as well as for the BESS Services, a monthly Lump Sum Payment as calculated and adjusted as set forth in Section 3 (Calculation of Lump Sum Payment) of this Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS). The monthly Lump Sum Payment shall be calculated and adjusted to reflect changes in the estimate of the Facility's Net Energy Potential as such estimate is revised from time to time as more fully set forth in Attachment C (Calculation and Adjustment of Net Energy Potential) to this Contract.
3. Calculation of Lump Sum Payment. The monthly Lump Sum Payment shall be calculated and adjusted as follows:
  - i. Lump Sum Payment During First Benchmark Period. During the First Benchmark Period, the monthly Lump Sum Payment shall be equal to one-twelfth ( $1/12^{\text{th}}$ ) of the product (rounded to the nearest cent) obtained by multiplying the Unit Price by the First NEP Benchmark.
  - ii. Lump Sum Payment During Second Benchmark Period.
    - a. One purpose of the Second Benchmark Period is to provide the Subscriber Organization, in the event that the Initial NEP OEPR Estimate is less than NEP RFP Projection, with a limited period during which Subscriber Organization will have an opportunity, by having a Subsequent OEPR prepared pursuant to Section 3(b) (Voluntary Subsequent OEPR) of Attachment C (Calculation Adjustment of Net Energy Potential) to this Contract, to obtain an adjustment to the NEP OEPR Estimate used to calculate the Lump Sum Payment, subject to (i) the cap on any upward adjustment imposed by the limitation that the estimate of Net Energy Potential that is used to calculate the Lump Sum Payment shall not exceed the NEP RFP Projection and (ii) the risk that any Subsequent OEPR might result in a downward adjustment to the NEP OEPR Estimate used to calculate the Lump Sum Payment. Accordingly, for each calendar month during the Second Benchmark Period, the monthly Lump Sum Payment shall be equal to one-twelfth ( $1/12^{\text{th}}$ ) of the product (rounded to the nearest cent) obtained by multiplying the Unit Price by the lesser of the (w) the NEP RFP Projection or (x) the NEP OEPR Estimate of the OEPR that is most recent as of the first Day of such calendar month. For avoidance of doubt:
      1. On the first Day of the Second Benchmark Period, the most recent OEPR will be the Initial OEPR;
      2. If no Subsequent OEPR is issued under Section 3 (Subsequent OEPRs) of Attachment C (Calculation and Adjustment of Net Energy Potential) to this Contract for an OEPR Period of Record ending prior to the end of the third ( $3^{\text{rd}}$ ) Contract Year, the "most recent OEPR" during the entirety of the Second Benchmark Period will be the Initial OEPR;
      3. If any Subsequent OEPR is prepared for an OEPR Period of Record ending prior to the commencement of the fourth ( $4^{\text{th}}$ ) Contract Year, the monthly Lump Sum Payment shall, for the period commencing on the first Day of the calendar month following the month during which an OEPR Evaluator issues such Subsequent OEPR, be equal to one-twelfth ( $1/12^{\text{th}}$ ) of the product (rounded to the nearest cent)

obtained by multiplying the Unit Price by the lesser of (w) the NEP OEPR Estimate obtained from such Subsequent OEPR or (x) the NEP RFP Projection. The monthly Lump Sum Payment calculated as aforesaid shall remain in effect through the first to occur of (y) the end of the Term or (z) the end of the calendar month during which an OEPR Evaluator issues the next Subsequent OEPR (if any) that is required or permitted under Section 4 (Preparation of OEPR) of Attachment C (Calculation and Adjustment of Net Energy Potential) to this Contract.

iii. Lump Sum Payment Following Second Benchmark Period.

- a. As of the first Day of the fourth (4<sup>th</sup>) Contract Year, the estimate of Net Energy Potential that was used to calculate the Lump Sum Payment for the last calendar month of the Second Benchmark Period shall continue in effect as the estimate of Net Energy Potential that is used to calculate the Lump Sum Payment until the end of the calendar month during which an OEPR Evaluator issues the first Subsequent OEPR for an OEPR Period of Record ending on or after the commencement of the fourth (4<sup>th</sup>) Contract Year and, effective at the end of such calendar month, the Second NEP Benchmark that was in effect immediately prior to the issuance of such Subsequent OEPR shall constitute the "Most Recent Prior NEP Benchmark" under clause (i) of the definition of that term set forth in this Contract. For avoidance of doubt, if no Subsequent OEPR is issued for an OEPR Period of Record ending on or after the commencement of the fourth (4<sup>th</sup>) Contract Year, the Second NEP Benchmark that was used to calculate the Lump Sum Payment for the last calendar month of the Second Benchmark Period shall continue in effect for the balance of the Term as the estimate of Net Energy Potential that is used to calculate the Lump Sum Payment.
- b. In order to facilitate planning for the Company System, no increase in Net Energy Potential (and hence in the monthly Lump Sum Payment) shall be permitted under this Contract as a consequence of any Subsequent OEPR that is prepared for an OEPR Period of Record ending on or after the expiration of the Second Benchmark Period. Accordingly, if any such Subsequent OEPR is prepared, the monthly Lump Sum Payment shall, for the period commencing on the first Day of the calendar month following the month during which an OEPR Evaluator issues such Subsequent OEPR, be equal to one-twelfth (1/12<sup>th</sup>) of the product (rounded to the nearest cent) obtained by multiplying the Unit Price by the lesser of (w) the NEP OEPR Estimate obtained from such Subsequent OEPR or (x) the Most Recent Prior NEP Benchmark. The monthly Lump Sum Payment calculated as aforesaid shall remain in effect through the first to occur of (y) the end of the Term or (z) the end of the calendar month during which an OEPR Evaluator issues the next following Subsequent OEPR (if any) that is required or permitted under Section 3 (Subsequent OEPRs) of Attachment C (Calculation and Adjustment of Net Energy Potential) to this Contract. If any such next following Subsequent OEPR is issued, the monthly Lump Sum Payment shall, for the period commencing on the first Day of the calendar month following the calendar month during which an OEPR Evaluator issues such Subsequent OEPR, be re-calculated and adjusted as provided in this Section 3.iii.b of this Attachment C (Company Payments for Energy, Dispatchability and Availability of BESS) and shall continue in effect for the period provided in the preceding sentence.
- iv. Under the Company's previous forms of as-available power purchase agreements for renewable energy, the independent power producer was compensated for the production and delivery of electrical energy and assumed the risk of non-payment for events such as Force Majeure that prevented such production and delivery. Although under this Contract most of Subscriber

Organization's compensation will be in the form of a Lump Sum Payment rather than for the production and delivery of electrical energy, it is not the intent of the Parties that Subscriber Organization should be entitled to unrestricted compensation in circumstances in which an independent power producer would not have been able to earn compensation under the Company's prior form of power purchase agreements (i.e., if the Facility or any portion thereof is unable to produce and deliver electric energy). Although the liquidated damages that are payable if the PV System Equivalent Availability Factor fails to satisfy the PV System Equivalent Availability Factor Performance Metric address this issue in certain of the circumstances when the PV System or a portion thereof is unable to generate electric energy, the PV System Equivalent Availability Factor does not account for events of Force Majeure because months in which a Force Majeure occurs are excluded from the PV System Equivalent Availability Factor calculation under Section 2.5(a) (Calculation of the PV System Equivalent Availability Factor) of this Contract.

Accordingly, and without limitation to the generality of the foregoing provisions of this Section 3 (Calculation of Lump Sum Payment) of this Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS), the monthly Lump Sum Payment shall be adjusted downward pro rata for each Day or portion thereof during the calendar month in question that the Facility inverter(s) or a portion thereof was not available to respond to Company Dispatch because of a Force Majeure condition (i) affecting the Facility or any portion thereof or (ii) that otherwise delays or prevents the Subscriber Organization from making the Facility inverter(s) in question or a portion thereof available for Company Dispatch.

- v. Example 1: if the PV System has ten inverter(s) and, during the month of May (which has 31 calendar days), one inverter is not available to respond to Company Dispatch for a period of 15 Days due to a Force Majeure condition as aforesaid, the monetary amount of the resulting downward adjustment to the monthly Lump Sum Payment for the month of May would be calculated as follows:

$$\text{Monetary Amount of Downward Adjustment} = (\text{MLSP} \times 1/10) \times 15/31$$

where:

MLSP = The monthly Lump Sum Payment that would be payable for such month but for the downward adjustment.

For purposes of determining the monetary amount of the foregoing downward adjustment, the product obtained by multiplying a monetary value by a fraction shall be rounded to the nearest cent.

4. Updating Monthly Subscriber Information Used to Calculate Bill Credits and Other Matters.
- (a) No later than the last Day of each calendar month, the Subscriber Organization shall provide to the Company any and all changes to the Monthly Subscription Information to be used for such calendar month by entering new or updating previously-entered data through the CBRE Online Portal. Such data to be entered or changed by the Subscriber Organization shall include additions, deletions or changes to the listing of Subscribers, including any changes occurring by said last Day of such calendar month to the Subscriber's account number and service address attributable to each Subscription and the Subscriber Allocation for each Subscription.
- (b) For each calendar month, the purchase or transfer of all or any portion of a Subscriber's Allocation occurring on or before the 20<sup>th</sup> Day of such calendar month of which the Company is notified, as provided for in the preceding paragraph, shall have retroactive effect as of the first Day of such calendar month; the purchase or transfer of all or any portion of a Subscriber's Allocation

occurring on or after the 21st Day of such calendar month, but prior to the first Day of the following calendar month, shall have effect as of the first Day of such following calendar month. The following shall be recalculated as of the last Day of each calendar month to account for the effectiveness of such purchases and transfers as aforesaid: (i) Unsubscribed RDG; (ii) the percentage of the Contract Capacity represented by the Subscriber Allocations for all Residential Subscribers; (iii) the number of individual Subscribers; and (iv) the percentage of Contract Capacity represented by all LMI Subscribers.

5. Adjusting Payment to Subscriber Organization; Liquidated Damages.

- (a) The dollar amount to be paid to Subscriber Organization for the Unsubscribed RDG for a particular calendar month shall be as follows:
- (i) For the first six calendar months from and including the Commercial Operations Date, Company shall pay Subscriber Organization the Baseline SO Payment (i.e., the balance of the monthly Lump Sum Payment remaining after deducting the total dollar value of the Bill Credits for that month).
  - (ii) Beginning with the seventh calendar month following the Commercial Operations Date, the amount payable to Subscriber Organization for the Unsubscribed RDG for the month in question shall be equal to the Baseline SO Payment for such month (i.e., the balance of the monthly Lump Sum Payment remaining after deducting the total dollar value of the Bill Credits for such month) as adjusted downward to account for any of the following reductions that may be applicable for such month based on the recalculations made as of the end of such month pursuant to Section 4(b) of this Attachment B (Company Payments for Energy Dispatchability and Availability of BESS):
    - (aa) if the Unsubscribed RDG for such calendar month exceeds 15% of the Contract Capacity, the percentage by which the amount payable to Subscriber Organization is to be reduced shall be equal to the percentage point differential between 100% and the actual percentage of the Contract Capacity represented by Unsubscribed RDG. For example, if the actual Unsubscribed RDG is 18% of Contract Capacity for the month in question, the percentage point differential is 18% and the percentage by which the amount payable to Subscriber Organization is to be reduced is 18%;
    - (bb) if the total of the Subscriber Allocations for all Residential Subscribers for such calendar month is less than 40% of the Contract Capacity, the percentage by which the amount payable to Subscriber Organization is to be reduced shall be equal to one-fourth (0.25) of the percentage point differential between 40% and the actual percentage of the Contract Capacity represented by the Subscriber Allocations for all Residential Subscribers. For example, if the actual total of the Subscriber Allocations for all Residential Subscribers is 32% of Contract Capacity for the month in question, the percentage point differential is 8% and the percentage by which the amount payable to Subscriber Organization is to be reduced is 2% (that is, one-fourth of the percentage point differential of 8%);
    - (cc) if the Subscriber Organization has committed to an Enhanced Residential Threshold in excess of 40% of Contract Capacity, and the total of Subscriber Allocations for all Residential Subscribers for such calendar month is less than the Enhanced Residential Threshold, the percentage by which the amount payable to Subscriber Organization is to be reduced shall be equal to one-tenth (0.1) of the



percentage point differential between the Enhanced Residential Threshold and the higher of (i) 40% or (ii) the percentage of Contract Capacity represented by the total of Subscriber Allocations for all Residential Subscribers. For example, using the same 32% of Contract Capacity for the actual percentage of the Subscriber Allocations for all Residential Subscribers that was used in the example set forth in Section 5(b)(ii)(bb) immediately above, the determination of the percentage point differential would be based on 40% because that is higher than 32%. Assuming that Subscriber Organization had committed to an Enhanced Residential Threshold of 50% of Contract Capacity, 10% is the percentage point differential between 40% and the Enhanced Residential Threshold, and the percentage by which the Baseline SO Payment is to be reduced is 1% (that is, one-tenth of the percentage point differential of 10%). For the example under discussion (that is, the percentage of Contract Capacity represented by the Subscriber Allocations for all Residential Subscribers is 32%), the aforementioned 1% reduction in the amount payable to Subscriber Organization would be in addition to the 2% reduction under Section 5(b)(ii)(bb);

- (dd) if the Facility has less than 4 individual Subscribers for such calendar month, the percentage by which the amount payable to Subscriber Organization is to be reduced shall be equal to the percentage by which the Facility fell below the threshold of having 4 individual Subscribers. For example, if the actual number of individual Subscribers is 3 for the month in question, the shortfall in individual Subscribers is 1, which is 25% of 4. Thus, the amount payable to Subscriber Organization shall be reduced by 25%; and
- (iii) If the Subscriber Organization's Facility CBRE Program has a LMI Minimum Threshold, adjustment to the amount to Subscriber Organization is to be reduced shall be as set forth in Part III. Section E (Payment Reductions and Liquidated Damages) of the CBRE Tariff. The applicable percentage to be used to calculate such reduction, as determined pursuant to said Part III, Section E of the CBRE Tariff, is referred to below as the "Applicable LMI Percentage Reduction."
- (iv) Beginning with the seventh calendar month following the Commercial Operations Date, the amount payable to Subscriber Organization for Unsubscribed RDG for such month shall be equal to the Baseline SO Payment for such month (i.e., the balance of the monthly Lump Sum Payment remaining after deducting the total dollar value of the Bill Credits for such month) as adjusted downward by a percentage equal to the sum for such calendar month obtained by adding up the percentage points as calculated for such month pursuant to Section 5(a)(ii) and (iii) immediately above. For example, using the five different percentage points used as examples in said Section 5(a)(ii) and (iii), the amount payable to Subscriber Organization for such month would be reduced by the sum of  $18\%+2\%+1\%+25\%+\text{Applicable LMI Percentage Reduction}$ .
- (b) Beginning with the seventh calendar month following the Commercial Operations Date, if there is no Unsubscribed RDG but the summing of the percentage points for such month pursuant to Section 5(a)(iv) of this Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) results in a percentage that is more than zero, Subscriber Organization shall promptly pay upon demand, and Company shall accept, liquidated damages for failure to achieve the requisite thresholds for such month in an amount equal to the aforementioned percentage multiplied by the Lump Sum Payment for such month. For example, using the percentage points

used in the examples set forth in Section 5(a)(ii) and (iii) of this Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS), the 18% figure would no longer be applicable because in this scenario there is no Unsubscribed RDG. Thus, the percentage used to calculate the liquidated damages payable under this Section 5(b) would be the sum of 2%+1%+25%+Applicable LMI Percentage Reduction. Company shall have the option of drawing such liquidated damages from the Operating Period Security.

6. Test Energy. Company shall use reasonable efforts to accept test energy that is delivered as part of the normal testing for generators (such as energy delivered to Company during the Control System Acceptance Test but not during the Acceptance Test), provided Subscriber Organization shall use reasonable efforts to coordinate such normal testing with Company so as to minimize adverse impacts on the Company System and operations. Company shall not compensate Subscribers or Subscriber Organization for test energy.
7. Tax Credit Pass Through. Company acknowledges and agrees that the Federal Refundable Tax Credit and Federal Non-Refundable Tax Credit shall inure to the benefit of the Claiming Entity; provided, however, that Subscriber Organization acknowledges and expressly agrees that the Federal Refundable Tax Credit and Federal Non-Refundable Tax Credit, with regard to Subscriber Organization's Facility, have been calculated into the Contract Pricing based on the maximization of such credits. In the event that Subscriber Organization's Facility does not gain the benefit of the Federal Refundable Tax Credit and/or the Federal Non-Refundable Tax Credit, Subscriber Organization expressly acknowledges and agrees that it shall not seek to amend the Contract Pricing.
  - (a) Because the Hawai'i tax treatment that will apply to renewable energy technologies on the Commercial Operations Date is uncertain, the parties acknowledge that the Contract Pricing was set assuming Subscriber Organization will not be eligible for any Hawai'i Renewable Energy Tax Credit. The intent of this Section 7 (Tax Credit Pass Through) is to entitle Company, for the benefit of its customers, to a payment equal to 100% of the maximum Hawai'i Renewable Energy Tax Credit for which Subscriber Organization is eligible with respect to the Facility and receives during the Term, as more fully set forth in this Section 7 (Tax Credit Pass Through).
  - (b) If, as of the Commercial Operations Date, or, if not available at the Commercial Operations Date, at any subsequent time during the Term, a Hawai'i Refundable Tax Credit is reasonably available to Subscriber Organization or its Affiliates with respect to the Facility, the following shall apply:
    - (i) Subscriber Organization or Subscriber Organization's Affiliate will apply for such Hawai'i Refundable Tax Credit, it being understood and agreed that if Subscriber Organization applies for a Hawai'i Refundable Tax Credit as of the Commercial Operations Date, it shall have fulfilled its obligations hereunder to apply for the Hawai'i Refundable Tax Credit;
    - (ii) Subscriber Organization shall make a payment to Company in an amount equal to one hundred percent (100%) of the Net Amount of such Hawai'i Refundable Tax Credit within thirty (30) Days after funds are received from the Hawai'i Department of Taxation;
    - (iii) Upon application for the Hawai'i Refundable Tax Credit, an officer of Subscriber Organization will deliver to Company a notice (A) describing Subscriber Organization's efforts to apply for and obtain the Hawai'i Refundable Tax Credit, (B) confirming that Subscriber Organization has applied for the Hawai'i Refundable Tax Credit, and (C) certifying that Subscriber Organization has used commercially reasonable efforts to

apply for and obtain the maximum reasonably available Hawai'i Refundable Tax Credit as provided in this Section 7 (Tax Credit Pass Through);

- (iv) Upon receipt of any funds from the Hawai'i Department of Taxation for the Hawai'i Refundable Tax Credit, an officer of Subscriber Organization or an Affiliate of Subscriber Organization, if applicable, will deliver a notice to Company certifying (A) the amount of funds received, (B) and the amount of payment that will be made to Company, net of any documented and reasonable financial, legal, administrative, and other costs required to claim and transfer such funds to Subscriber Organization, as supported by the officer's certificate as to the amount of such costs and the reasonableness thereof.
- (c) If, as of the Commercial Operations Date, a Hawai'i Refundable Tax Credit is unavailable, but a Hawai'i Non-Refundable Tax Credit is available to Subscriber Organization or its Affiliates with respect to the Facility, or at any subsequent time during the Term, a Hawai'i Non-Refundable Tax Credit becomes available to Subscriber Organization or its Affiliates with respect to the Facility, notwithstanding that Subscriber Organization may have applied for a Hawai'i Refundable Tax Credit, and in either case Subscriber Organization can claim, or enable its investors to claim, such Hawai'i Non-Refundable Tax Credit, the following shall apply:
- (i) Subscriber Organization or an Affiliate of Subscriber Organization will apply for any available Hawai'i Non-Refundable Tax Credit, it being understood and agreed that if Subscriber Organization applies for a Hawai'i Non-Refundable Tax Credit as of the Commercial Operations Date, it shall have fulfilled its obligations hereunder to apply for the Hawai'i Non-Refundable Tax Credit;
  - (ii) Subscriber Organization shall make a payment to Company in an amount equal to one hundred percent (100%) of the Net Amount of such Hawai'i Non-Refundable Tax Credit that Subscriber Organization can claim in the tax year in question within sixty (60) Days after the filing date of the applicable tax return for the tax year in which such Hawai'i Non-Refundable Tax Credit is utilized;
  - (iii) Upon the filing of the applicable tax return(s), an officer of Subscriber Organization or an Affiliate of Subscriber Organization, if applicable, will deliver a notice to Company (A) describing Subscriber Organization's efforts to apply for and obtain the Hawai'i Non-Refundable Tax Credit, (B) confirming that Subscriber Organization has applied for the Hawai'i Non-Refundable Tax Credit, and (C) certifying that Subscriber Organization has used commercially reasonable efforts to apply for and obtain the maximum reasonably available Hawai'i Non-Refundable Tax Credit as provided in this Section 7 (Tax Credit Pass Through);
  - (iv) Upon receipt of any funds for the Hawai'i Non-Refundable Tax Credit, an officer of Subscriber Organization or an Affiliate of Subscriber Organization, if applicable, will deliver a notice to Company certifying (A) the amount of funds received, (B) and the amount of payment that will be made to Company, net of any documented and reasonable financial, legal, administrative, and other costs required to claim, monetize and transfer such funds to Subscriber Organization, as supported by the officer's certificate as to the amount of such costs and the reasonableness thereof;
- (d) Subscriber Organization shall use commercially reasonable efforts to apply for and obtain the maximum reasonably available Hawai'i Refundable and/or Non-Refundable Tax Credit as

provided in this Section 7 (Tax Credit Pass Through). If Subscriber Organization fails to apply for and to use commercially reasonable efforts to obtain such Hawai'i Renewable Energy Tax Credit as described above, then Company shall be entitled to liquidated damages in an amount equal **[\$150,000 per MW of Contract Capacity]**. Subscriber Organization and Company agree and acknowledge that (i) the failure to use commercially reasonable efforts as provided in the preceding sentence would result in damages to Company in the form of reduction or loss of a benefit for Company's customers that would be difficult or impossible to calculate with certainty and (ii) **[Note - insert amount that equals \$150,000 per MW of Contract Capacity]** is an appropriate approximation of such damages. Company's right to collect liquidated damages as described in this Section 7(d) shall constitute Company's exclusive remedy and fulfillment of all Subscriber Organization's liability with respect to its obligations to maximize the amount of Hawai'i Renewable Energy Tax Credit. Such liquidated damages shall be provided to Company in the form of a lump sum payment by Subscriber Organization or as a credit against any amounts due by Company to Subscriber Organization under this Contract, as Company reasonably determines.

- (e) If, prior to the application in Section 7(b) or filing in Section 7(c) of this Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS), as applicable, a change in tax law occurs to introduce a Hawai'i Production Tax Credit or an alternative renewable tax credit, Subscriber Organization will use commercially reasonable efforts to determine which tax strategy is likely to result in the larger Net Amount (based on net present value for tax credits earned over time) of claimable tax credits. If, based on such efforts, Subscriber Organization determines that either Section 7(b) or Section 7(c) would result in a larger Net Amount of usable tax credits, an officer of Subscriber Organization will deliver a notice to Company certifying that Subscriber Organization has reasonably determined that the selected form of Hawai'i Renewable Energy Tax Credit is likely to result in the larger Net Amount (based on net present value for tax credits earned over time) of claimable tax credits and explaining the rationale for such determination. If, however, Subscriber Organization reasonably determines that such Hawai'i Production Tax Credit is likely to result in the larger Net Amount (based on net present value for tax credits earned over time) of claimable tax credits and that it reasonably can obtain such Hawai'i Production Tax Credit, Subscriber Organization shall promptly notify Company in writing and explain the rationale for such determination, and Subscriber Organization and Company shall negotiate in good faith and use commercially reasonable efforts to agree upon lump sum payments and/or credits or adjustments to the Contract Pricing and other terms of this Contract as may be required to best benefit Company's customers with 100% of the Net Amount of such tax benefits and preserve the intended economic benefits to the Parties arising from this Contract.
- (f) Company reserves the right to have Subscriber Organization's application for the Hawai'i Renewable Energy Tax Credit in Section 7(b) or Section 7(c), or the Hawai'i Production Tax Credit or alternative tax credit under Section 7(e) of this Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) reviewed by an Independent Tax Expert to determine if such application is expected to maximize available tax credits to best benefit Company's customers, in which case, the provisions of this Section 7(f) shall apply. Company shall deliver to Subscriber Organization a written notice (the "Nomination Notice") of: (i) the names of three persons qualified and willing to accept appointment as an Independent Tax Expert; (ii) a description provided by each nominee of his or her qualifications to serve as an Independent Tax Expert; (iii) a written undertaking by each nominee to review Subscriber Organization's tax credit strategy and application, and (iv) each nominee's fee proposal. Subscriber Organization and Company shall agree on a mutually acceptable person to serve as the Independent Tax Expert within ten (10) Business Days of Subscriber Organization's receipt of Company's written notice. If the Parties fail to agree upon a mutually acceptable Independent Tax Expert within the aforesaid

ten Business Day period, such disagreement shall be resolved pursuant to Section 7(g) of this Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS). Company shall pay the fees and expenses of the Independent Tax Expert and Subscriber Organization shall promptly reimburse Company for one-half of such fees and expenses.

- (g) Any dispute arising under this Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) shall constitute a "Dispute" within the meaning of Section (Dispute Resolution) of this Contract and shall be resolved as provided in said Section 17(Dispute Resolution).
- (h) For purposes of this Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS), an Affiliate of Subscriber Organization is a company that directly or indirectly controls, is controlled by, or is under common control with Subscriber Organization, and Subscriber Organization may perform its obligations under this Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) directly or through one or more Affiliates.

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ATTACHMENT C

REQUIRED PERFORMANCE METRICS; LIQUIDATED DAMAGES FOR FAILURE TO ACHIEVE  
PERFORMANCE METRICS

1. **PV System Equivalent Availability Factor; Liquidated Damages; Termination Rights.**

- (a) Calculation of the PV System Equivalent Availability Factor. Following the end of each LD Period, the PV System Equivalent Availability Factor shall be calculated for such LD Period as follows:

$$\text{PV System Equivalent Availability Factor} = 100\% \times \frac{AH - EPDH - EUDH}{PH}$$

where:

Period Hours (PH) is the total number of hours in the LD Period counting twenty-four (24) hours per day. In a normal year, PH = 8,760, and in a leap year PH = 8,784.

Available Hours (AH) is the number of hours that the PV System is not on Outage. It is the sum of all Service Hours (SH) + Reserve Shutdown Hours (RSH).

An "Outage" exists whenever the entire PV System is not online producing electric energy and is not in a Reserve Shutdown state, resulting from Subscriber Organization-Attributable Non-Generation.

Service Hours (SH) is the number of hours during the LD Period the PV System is online and producing electric energy to meet Company Dispatch and/or to maintain the BESS State of Charge.

Reserve Shutdown Hours (RSH) is the number of hours the PV System was available to the Company System but not providing electric energy or is offline for reasons other than Subscriber Organization-Attributable Non-Generation, or is offline due to insufficient irradiance levels based on the inverter manufacturer's minimum irradiance level for production. All hours between 7:00 pm and 6:00 am will be considered RSH. The PV System will be considered RSH in these hours, even if the system would otherwise be in an outage or derated state.

A "Deration" exists if the Facility is available for Company Dispatch, but at less than full potential output for the given irradiance conditions. Derations include only periods of Subscriber Organization-Attributable Non-Generation and derations by Company pursuant to Section 5.C (Company Rights of Dispatch). Each individual Deration is transformed into equivalent full outage hour(s). For Derations due to inverter outages, this is calculated by multiplying the actual duration of the derating (hours) by the number of inverters in the PV System offline and dividing by the total number of inverters in the PV System. For Derations by Company pursuant to Section 5.C (Company Rights of Dispatch), this is calculated by the size of the Deration (in MW) divided by the Contract Capacity. For avoidance of doubt, if the Facility is in an Outage it cannot also be in a Deration.

Equivalent Planned Derated Hours (EPDH) includes Planned Derations (PD) and Maintenance Derations (D4). A Planned Deration is when the PV System experiences a Deration scheduled

well in advance and for a predetermined duration. A Maintenance Deration is a Deration that can be deferred beyond the end of the next weekend (Sunday at midnight or before Sunday turns into Monday) but requires a reduction in capacity before the next Planned Deration (PD). Each individual Deration is transformed into equivalent full outage hour(s). These equivalent hour(s) are then summed.

Equivalent Unplanned Derated Hours (EUDH): An Unplanned Deration (Forced Deration) occurs when the PV System experiences a Deration that requires a reduction in availability before the end of the nearest following weekend. Unplanned Derations include those due to Subscriber Organization-Attributable Non-Generation. Each individual Unplanned Deration is transformed into equivalent full outage hour(s). These equivalent hour(s) are then summed.

The effect of Force Majeure is taken into account in calculating the PV System Equivalent Availability Factor over the 12 calendar month LD Period as follows: When an LD Period contains any hours in a month during which the PV System or a portion of the PV System is unavailable due to Force Majeure, then such month shall be excluded from the LD Period and the LD Period shall be extended back in time to include the next previous month during which there was no such unavailability of the PV System or a portion thereof due to Force Majeure. This means the PV System Equivalent Availability Factor would not change from that determined in the month directly preceding a month containing Forced Majeure.

EXAMPLE: The following is an example of a PV System Equivalent Availability Factor calculation and is included for illustrative purposes only. Assume the following:

1. PV System has 10 inverters.
2. LD Period = first 12 calendar months of the Contract (non-leap year).
3. PV System was online and producing electric energy for 4,000 hours and was available but not producing electric energy due to lack of sufficient irradiance for production (i.e., not Subscriber Organization-Attributable Non-Generation) for 500 hours.
4. 3 Inverters were offline for 100 hours due to a Planned Deration between the hours of 6 am and 7 pm.
5. 2 Inverters were offline for 50 hours due to an Unplanned Deration between the hours of 6 am and 7 pm (Subscriber Organization-Attributable Non-Generation).

The PV System Equivalent Availability Factor would be calculated as follows:

$$PH = 8,760 \text{ hours in 12 calendar months} = 8,760 \text{ hours}$$

$$SH = 4,000 \text{ hours}$$

$$RSH = 500 \text{ hours} + (11 \text{ hours/day} \times 365 \text{ days}) = 4,515 \text{ hours}$$

$$AH = SH + RSH = 4,000 \text{ hours} + 4,515 \text{ hours} = 8,515 \text{ hours}$$

$$EPDH = 100 \text{ hours} \times \left( \frac{3 \text{ inverters}}{10 \text{ inverters}} \right) = 30 \text{ hours}$$

$$EUDH = 50 \text{ hours} \times \left( \frac{2 \text{ inverters}}{10 \text{ inverters}} \right) = 10 \text{ hours}$$

$$EAF = 100\% \times \frac{8,515 - 30 - 10}{8,760} = 96.7\%$$

- (b) PV System Equivalent Availability Factor Performance Metric and Liquidated Damages. For each LD Period, a PV System Equivalent Availability Factor shall be calculated as provided in accordance with Section 1(a) (Calculation of PV System Equivalent Availability Factor) of this Attachment C. In the event the PV System Equivalent Availability Factor is less than 98% (the "PV System Equivalent Availability Factor Performance Metric") for any LD Period, Subscriber Organization shall be subject to liquidated damages as set forth in this Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages). For avoidance of doubt, because the PV System Equivalent Availability Factor is calculated over an LD Period of 12 calendar months, the first month for which liquidated damages would be calculated under this Section 1(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages) would be the last calendar month of the initial Contract Year. If the PV System Equivalent Availability Factor for a LD Period is less than the PV System Equivalent Availability Factor Performance Metric, Subscriber Organization shall pay, and Company shall accept, as liquidated damages for Subscriber Organization's failure to achieve the PV System Equivalent Availability Factor Performance Metric for such LD Period, an amount calculated in accordance with the following formula:

<u>PV System Equivalent Availability Factor</u>	<u>Amount of Liquidated Damages Per Calendar Month</u>
---	--

**97.9% and below**

For each one-tenth of one percent (0.001) by which the PV System Equivalent Availability Factor for such LD Period falls below PV System Equivalent Availability Factor Performance Metric amount equal to 0.001917 of the Applicable Period Lump Sum Payment for the last calendar month of such LD Period.

For purposes of determining liquidated damages under the preceding formula, the amount by which the PV System Equivalent Availability Factor for the LD Period in question falls below the applicable threshold shall be rounded to the nearest one-tenth of one percent (0.001). Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve the PV System Equivalent Availability Factor Performance Metric for a LD Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

EXAMPLE: The following is an example calculation of liquidated damages for the PV System Equivalent Availability Factor Performance Metric and is included for illustrative purposes only. Assume the monthly Lump Sum Payment is \$1,000,000 and the PV System Equivalent Availability Factor is 96.9% as calculated in the example in Section 1(a) (Calculation of the PV System Equivalent Availability Factor) of this Attachment C above.



The liquidated damages would be calculated as follows:

Applicable Period Lump Sum Payment = \$1,000,000

\$1,000,000 x .001917 = \$1,917

98.0% - 96.9% = 1.1%

1.1%/0.1% = 11

\$1,917 x 11 = \$21,087

- (c) PV System Equivalent Availability Factor Termination Rights. The Parties acknowledge that, although the intent of the liquidated damages payable under Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages) is to compensate Company for the damages that Company would incur if the Subscriber Organization fails to achieve the PV System Equivalent Availability Factor Performance Metric for a LD Period, such liquidated damages are not intended to compensate Company for the damages that Company would incur if a pattern of underperformance establishes a reasonable expectation that the PV System is likely to continue to substantially underperform the PV System Equivalent Availability Factor Performance Metric. Accordingly, and without limitation to Company's rights under said Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages) for those LD Periods during which the Subscriber Organization failed to achieve the PV System Equivalent Availability Factor Performance Metric, the failure of the Facility to achieve a PV System Equivalent Availability Factor of not less than **84%** for each of three consecutive Contract Years shall constitute an Event of Default under Section 13. A. 2 of this Contract for which Company shall have the rights (including but not limited to the termination rights) set forth in Section 13. (Events of Default By Subscriber Organization) and Section 15. (Damages in the Event of Termination by Company).

**2. Measured Performance Ratio; Liquidated Damages; Termination Rights.**

(a) Calculation of Measured Performance Ratio.

- (i) The Measured Performance Ratio ("MPR") represents the PV System's measured AC power output compared to its theoretical DC power output as adjusted for the plane of array irradiance conditions measured at the Site [**Drafting Note: May require revision for DC output**]. The gross PV System output in MW and MVAR will be measured at such point mutually agreed to by the Parties on the Facility's single-line diagram attached hereto as Attachment F, Exhibit F-5 (Single-Line Drawing and Interface Block Diagram).

- (ii) Following the end of each MPR Assessment Period, the MPR shall be calculated for such MPR Assessment Period (using the previous 12 months of data) as follows:

$$MPR_{corr} = \frac{\sum_i P_{AC,i}}{\sum_i \left[ P_{DCSTC} \left( \frac{G_{POA_i}}{G_{STC}} \right) \left( 1 - \frac{\delta}{100} (T_{cell\_type\_avg} - T_{cell,i}) \right) \right]}$$

Where:

*i* = each 15-minute interval during the MPR Assessment Period where the inverter input voltage exceeds the PV System inverters minimum level for production

$P_{AC_i}$  is the measured AC power output of the PV System measured at the inverters averaged over time period  $i$  in MW

$G_{STC}$  = plane of array irradiance at the standard condition of  $1,000 \text{ W/m}^2$

$P_{DC_{STC}}$  is the DC rated capacity of the PV System at the standard test conditions of  $1,000 \text{ W/m}^2$  and  $25^\circ\text{C}$  (MW), (i.e., the DC power rating of the PV panels at standard test conditions multiplied by the number of PV panels in the Facility);

$G_{POA}$  is the measured plane of array irradiance averaged over time period  $i$  ( $\text{W/m}^2$ );

$T_{cell\_i}$  = cell temperature computed from measured meteorological data ( $^\circ\text{C}$ ) averaged over time period  $i$ .

$T_{cell\_type\_avg}$  = average cell temperature computed from one year of weather data using the project weather file ( $^\circ\text{C}$ )

$\delta$  = temperature coefficient for power ( $\%/^\circ\text{C}$ , negative in sign) that corresponds to the installed modules

$$T_{cell\_i} = G_{POA} * e^{(a+b*WS)} + Ta$$

Where:

$G_{POA}$  = POA irradiance from calibrated reference cells [ $\text{W/m}^2$ ]

$Ta$  = ambient temperature [ $^\circ\text{C}$ ]

$WS$  = the measured wind speed corrected to a measurement height of 10 meters [ $\text{m/s}$ ]

$a$  = empirical constant reflecting the increase of module temperature with sunlight

$b$  = empirical constant reflecting the effect of wind speed on the module temperature [ $\text{s/m}$ ]

$e$  = Euler's constant and the base for the natural logarithm.

<b>Table 2. Empirical Convective Heat Transfer Coefficients Module Type</b>	<b>Mount</b>	<b><math>a</math></b>	<b><math>b</math></b>
Glass/cell/glass	Open rack	-3.47	-0.0594
Glass/cell/glass	Close-roof mount	-2.98	-0.0471
Glass/cell/polymer sheet	Open rack	-3.56	-0.0750
Glass/cell/polymer sheet	Insulated back	-2.81	-0.0455
Polymer/thin-film/steel	Open rack	-3.58	-0.1130

- (iii) The time periods used in the foregoing calculation shall be only periods during which, for the entire 15-minute interval, the PV System output is allowed to convert all irradiance to gross AC power and is not offline due to insufficient irradiance levels based on the inverter minimum requirements for production. Data points that will be excluded are limited to data points where: (A) the  $G_{POA}$  is below minimum threshold, (B)  $G_{POA}$  above the maximum threshold (C) the PV System is in RSH, (D) when there is a EUDH or EPDH, (E) the PV System was not allowed to convert the full DC output to AC energy; or (F) when there is any other Outage. The aforementioned 15-minute intervals are fixed intervals that commence, in sequence, at the top of each hour and at 15, 30 and 45 minutes past the hour. At the end of each month, Subscriber Organization shall provide Company a report that lists all hours when such excluded data points occur (from the Facility's SCADA system as necessary) to validate the exclusion of any data points from the calculation set forth in Section 2(a)(ii) above. This information shall be validated on a monthly basis.
- (iv) MPR Test. In the event that the set of operational data points under Section 2.6(a)(iii) that is available for any month to calculate the MPR cannot be validated to Company's reasonable satisfaction or in the event there were not at least 16 such data points during such month that could be used to calculate the MPR, the Company shall have the right to perform a test ("MPR Test") to collect the data points for such month to be used to calculate the MPR in lieu of the use of operational data for such month. The Company shall retain sole discretion as to when to conduct the MPR Test and the MPR Test may be conducted at any point during the month following the month for which Company was either unable to validate the set of operational data points for such month or there were not at least 16 data points available during such month, provided that Company will provide Subscriber Organization three (3) Business Days' notice prior to conducting the MPR Test. The MPR Test shall have a minimum duration of four (4) hours and shall run until at least 16 data points are collected that meet the criteria set forth in Section 2(a)(iii), subject to the limitation set forth in the last sentence of this Section 2.6(a)(iv). To the extent possible, the Company shall schedule the MPR Test for a period where all inverters in the PV System are available and weather conditions are expected to be optimum allowing the PV System to generate at full capacity for the duration of the MPR Test (if possible). However, if Company chooses a period where inverter(s) are unavailable,  $P_{DCSTC}$  shall be adjusted to remove the expected contribution of the unavailable inverter(s).
- (v) For each MPR Assessment Period that includes one or more months for which a MPR Test was performed, the data points collected during said MPR Test for such month(s) shall be used together with the data points for months for which an MPR Test was not conducted to calculate the MPR for the MPR Assessment Period in question using the formula set forth in Section 2(a)(ii) above. The result of the calculation based on the MPR Test shall be the MPR for the MPR Assessment Period in question.
- (vi) EXAMPLE: The following is an example of a Measured Performance Ratio calculation and is included for illustrative purposes only. Assume the following:
1. Facility with 120,000 panels with a standard test condition rating of 300 W
  2.  $P_{DCSTC} = 120,000 \times 300 \text{ W} = 36 \text{ MW}$

3. For illustrative purposes only, 4 hours of data which met the criteria specified in 2.6(a)(iii) have been recorded over the MPR Assessment Period. It should be noted that all available operational data that meets the criteria specified in Section 2.6(a)(iii) shall be included in the actual calculation.:

Time Period	Average Measured Plane of Array Irradiance (W/m <sup>2</sup> )	Average Measured AC Power at Inverter (MW)	Average Measured Temperature (°C)	Average Measured Speed (m/s)
1	690	16	27	3
2	350	11	26	8
...	...	...	...	...
I	750	19	29	7

$$MPR_{corr} = \frac{\sum_i P_{AC,i}}{\sum_i \left[ P_{DCSTC} \left( \frac{G_{POA_i}}{G_{STC}} \right) \left( 1 - \frac{\delta}{100} (T_{cell\_type\_avg} - T_{cell\_i}) \right) \right]}$$

where:

$$T_{cell\_i} = G_{POA} \times e^{(a+b \times WS)} + T_a$$

Assuming:

A temperature coefficient of the installed modules of -0.4%/°C

An average cell temperature of 28°C

The installed modules are a glass/cell/polymer sheet module type using an open rack mount. (a = -3.56; b = -0.0750)

$$\sum_i P_{AC,i} = 16 \text{ MW} + 11 \text{ MW} + \dots + 19 \text{ MW} = \mathbf{305 \text{ MW}}$$

$$\begin{aligned} \sum_i \left[ P_{DCSTC} \left( \frac{G_{POA_i}}{G_{STC}} \right) \left( 1 - \frac{\delta}{100} (T_{cell\_type\_avg} - T_{cell\_i}) \right) \right] &= 36 \text{ MW} \times [(690/1000) \times (1 - \\ &(0.4/100) \times (28 - ((690/1000) \times e^{(-3.56 - 0.075 \times 3)} + 27)))] + \\ &(350/1000) \times (1 - (0.4/100) \times (28 - ((350/1000) \times e^{(-3.56 - 0.075 \times 8)} + 26)))] + \\ &\dots + \\ &(750/1000) \times (1 - (0.4/100) \times (28 - ((750/1000) \times e^{(-3.56 - 0.075 \times 7)} + 29)))] \end{aligned}$$

= 374.76 MW

MPR = 305 MW/ 374.76 MW = 0.814

(b) Determination of GPR Performance Metric.

- (i) Upon Commencement of Commercial Operations. If a copy of the IE Energy Assessment Report together with the supporting data (plane of array irradiance and corresponding power output) is not provided to Company in accordance with Section 1(c) (NEP IE Estimate and Company-Designated NEP Estimate) of Attachment D (Calculation and Adjustment of Net Energy Potential), the GPR Performance Metric for the period commencing on the Commercial Operations Date through the end of the calendar month during which the Initial OEPR is issued shall be **0.85**. If a copy of the IE Energy Assessment Report together with the supporting data (plane of array irradiance and corresponding power output) is provided to Company in accordance with Section 1(c) (NEP IE Estimate and Company-Designated NEP Estimate) of Attachment D (Calculation and Adjustment of Net Energy Potential), the GPR Performance Metric shall be the GPR set forth in the IE Energy Assessment Report, provided that such GPR is justified by such supporting data and consistent with the manufacturer's minimum irradiance level for production and point of power measurement specified in Section 2.6(a)(ii). In the event that the IE Assessment Report includes the supporting data (plane of array irradiance and corresponding power output) relied upon in arriving at the NEP IE Estimate, but does not set forth a GPR, the GPR Performance Metric shall be calculated using such supporting data and the Measured Performance Ratio formula in Section 2.6(a)(ii) of this Contract. Within 30 Days of Company's receipt of the IE Energy Assessment Report together with the aforementioned supporting data, Company shall provide written notice to Subscriber Organization of either (aa) the GPR Performance Metric derived from such supporting data or (bb) Company's inability to reasonably derive a GPR Performance Metric from such supporting data, in which case the GPR Performance Metric shall be **0.85**.
- (ii) Commencing With Initial OEPR. For the period commencing with the first Day of the calendar month following the establishment of the NEP OEPR Estimate for the Initial OEPR (as provided in Section 2 (Initial OEPR) and Sections 4(g) (Review of the First OEPR Evaluator Report) and (h) (Review of the Second OEPR Evaluator Report) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract) through the end of the calendar month during which the NEP OEPR Estimate for the first Subsequent OEPR is established as provided in Section 3 (Subsequent OEPRs) and Sections 4(g) (Review of the First OEPR Evaluator Report) and (h) (Review of the Second OEPR Evaluator Report) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract, the GPR Performance Metric shall be the GPR as established through the Initial OEPR process as aforementioned. If no GPR has been established through the Initial OEPR process, the GPR Performance Metric shall be **0.85**.
- (iii) Commencing With the First Subsequent OEPR and Thereafter. Commencing with the establishment of the NEP OEPR Estimate for the first Subsequent OEPR as provided in Section 3 (Subsequent OEPRs) and Sections 4(g) (Review of the First OEPR Evaluator Report) and (h) (Review of the Second OEPR Evaluator Report) of Attachment D (Calculation and Adjustment of Net Energy Potential) to this Contract, for each period commencing with the first Day of the calendar month following the establishment of the NEP OEPR Estimate for a Subsequent OEPR (including but not limited to the first

Subsequent OEPR) through the end of the calendar month during which the NEP OEPR Estimate is established for the next Subsequent OEPR, the GPR Performance Metric shall be the GPR established for the applicable Subsequent OEPR. If no GPR has been established through the then applicable Subsequent OEPR process, the GPR Performance Metric shall be **0.85**.

- (c) GPR Performance Metric and Liquidated Damages. For each MPR Assessment Period, a Measured Performance Ratio shall be calculated as provided in Section 2.6(a) (Calculation of Measured Performance Ratio) of this Contract. In the event the MPR is less than **95%** of the GPR Performance Metric as adjusted by the degradation factor set forth below, Subscriber Organization shall pay, and Company shall accept, as liquidated damages for Subscriber Organization's failure to achieve the GPR Performance Metric for such MPR Assessment Period, an amount calculated in accordance with the following formula:

<u>Tier</u>	<u>Measured Performance Ratio</u>	<u>Amount of Liquidated Damages Per MPR Assessment Period</u>
<b>Tier 1</b>	<b>GPR Performance Metric <math>\times</math> DF <math>\times</math> 0.95 &gt; Measured Performance Ratio <math>\geq</math> GPR Performance Metric <math>\times</math> I 0.90</b>	For each one-tenth of one percent (0.001) by which the Measured Performance Ratio for such MPR Assessment Period falls below the upper limit of the bandwidth specified in this subparagraph, an amount equal to one-tenth of one percent (0.001) of the Assessment Period Lump Sum Payment. The upper end of the aforementioned bandwidth is equal to the product of the GPR Performance Metric, the applicable degradation factor (DF), and 95%. The lower limit of the aforementioned bandwidth consists of and includes the product of the GPR Performance Metric, the applicable degradation factor (DF), 90%; plus
<b>Tier 2</b>	<b>GPR Performance Metric <math>\times</math> DF <math>\times</math> 0.90 &gt; Measured Performance Ratio <math>\geq</math> GPR Performance Metric <math>\times</math> I 0.80</b>	For each one-tenth of one percent (0.001) by which the Measured Performance Ratio for such MPR Assessment Period falls below the upper limit of the bandwidth specified in this subparagraph, an amount equal to two-tenths of one percent (0.002) of the MPR Assessment Period Lump Sum Payment. The upper end of the aforementioned bandwidth is equal to the product of the GPR Performance Metric, applicable degradation factor (DF), and 90%. The lower limit of the aforementioned bandwidth consists of and includes the product of the GPR Performance Metric, the applicable degradation factor (DF), 80%; plus
	<b>Measured Performance Ratio <math>&lt;</math> GPR Performance Metric <math>\times</math> DF <math>\times</math> 0.80</b>	For each one-tenth of one percent (0.001) by which the Measured Performance Ratio for such MPR Assessment Period falls below the product of the GPR Performance Metric, the applicable degradation factor (DF), and 80%, an amount equal to four-

of one percent (0.004) of the MPR Assessment Period Lump Sum Payment.

For purposes of the foregoing calculations under this Section 2.6(c) (GPR Performance Metric and Liquidated Damages), the degradation factor (DF) is calculated for each Contract Year (e.g., second Contract Year, third Contract Year, fourth Contract Year, etc.) as follows:  $DF = 1 - 0.005 * (\text{Applicable Contract Year} - 1)$ . For purposes of the foregoing formula, the "Applicable Contract Year" is the Contract Year within which the calendar month in question falls. If all of the months of an MPR Assessment Period fall within the same Contract Year, the Contract Year is the "Applicable Contract Year." For example, if all of the months of MPR Assessment Period fall within the third Contract Year, the value assigned to the "Applicable Contract Year" would be "3" and the formula for calculating the DF for such LD Period would be:  $DF = 1 - 0.005 * (3 - 1)$ . However, because the MPR Assessment Period is a rolling 12-month period, the MPR Assessment Period will often straddle two consecutive Contract Years. In such cases, all of the months falling within the same Contract Year will be assigned the value for such Contract Year and the value assigned to the "Applicable Contract Year" for purposes of the foregoing formula shall be the average of the assigned monthly values for such 12-month MPR Assessment Period. For example, for an MPR Assessment Period which has four months in the third Contract Year and eight months in the fourth Contract Year, the value assigned to the "Applicable Contract Year" for such MPR Assessment Period would be 3.67, as calculated as follows:

$$\frac{(3 \times 4) + (4 \times 8)}{12}$$

and the formula for calculating the DF for such MPR Assessment Period would be  $DF = 1 - 0.005 * (3.67 - 1)$ . For purposes of determining liquidated damages under this Section 2.6(c) (GPR Performance Metric and Liquidated Damages), the amount by which the Measured Performance Ratio for the MPR Assessment Period in question falls below the applicable threshold shall be rounded to the nearest one-tenth of one percent (0.001). Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve the GPR Performance Metric for a MPR Assessment Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

EXAMPLE: The following is an example calculation of liquidated damages for the GPR Performance Metric and is included for illustrative purposes only. Assume the following facts:

The MPR Assessment Period has five months in the second Contract Year and seven months in the third Contract Year.

The GPR for the Facility as determined by the OEPR is 0.9.

The MPR has been calculated to be 0.694.

Applicable Contract Year =  $[(5 \times 2) + (7 \times 3)]/12 = 2.58$

DF =  $1 - 0.005 * (2.58 - 1) = 0.9921$

Upper limit of the Tier 1 bandwidth =  $0.9 \times 0.9921 \times 0.95 = 0.848$

Lower limit of the Tier 1 bandwidth/Upper limit of the Tier 2 bandwidth =  $0.9 \times 0.9921 \times 0.9 = 0.804$

Lower limit of the Tier 2 bandwidth =  $0.8 \times 0.9921 \times 0.9 = 0.714$

LD =  $[(0.848 - 0.804) \times 1] + [(0.804 - 0.714) \times 2] + [(0.714 - 0.694) \times 4] \times \text{MPR Assessment Period Lump Sum Payment}$   
 =  $0.304 \times \text{MPR Assessment Period Lump Sum Payment}$

- (d) **MPR Termination Rights.** The Parties acknowledge that, although the intent of the liquidated damages payable under Section 2.6(c) (GPR Performance Metric and Liquidated Damages) is to compensate Company for the damages that Company would incur if the Subscriber Organization fails to achieve the GPR Performance Metric for a MPR Assessment Period, such liquidated damages are not intended to compensate Company for the damages that Company would incur if a pattern of underperformance establishes a reasonable expectation that the Facility is likely to continue to substantially underperform the GPR Performance Metric. Accordingly, and without limitation to Company's rights under said Section 2.6(c) (GPR Performance Metric and Liquidated Damages) for those MPR Assessment Periods during which the Subscriber Organization failed to achieve the GPR Performance Metric, the failure of the PV System to achieve, for each of three consecutive Contract Years, a Measured Performance Ratio of not less than the Tier 2 Bandwidth for such Contract Year shall constitute an Event of Default under Section 13.A.4. of this Contract for which Company shall have the rights (including but not limited to the termination rights) set forth in Section 13 (Events of Default) and Section 15. (Damages in the Event of Termination by Company).

**3. BESS Capacity Test; Liquidated Damages; Termination Rights.**

- (a) **BESS Capacity Test and Liquidated Damages.** For each BESS Measurement Period following the Commercial Operations Date, the BESS shall be required to complete a BESS Capacity Test, as more fully set forth in Attachment H, Section 1. (BESS Tests) to this Contract. For each BESS Measurement Period for which the BESS fails to demonstrate that it satisfies the BESS Capacity Performance Metric, Subscriber Organization shall pay, and Company shall accept, as liquidated damages for such shortfall, the amount set forth in the following table (on a progressive basis) upon proper demand at the end the BESS Measurement Period in question:

<b>BESS Capacity Ratio</b>	<b>Liquidated Damage Amount</b>
Tier 1 95.0% - 99.9%	For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is below 100% and is equal to or greater than 95.0%, an amount equal to one-tenth of one percent (0.001) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus



<p>Tier 2 85.0% - 94.9%</p>	<p>For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is below 95% and is above 84.9%, an amount equal to one and a half-tenths of one percent (0.0015) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus</p>
<p>Tier 3 75.0% - 84.9%</p>	<p>For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is below 85% and is above 74.9%, an amount equal to two-tenths of one percent (0.002) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus</p>
<p>Tier 4 60.0% - 74.9%</p>	<p>For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is below 75% and is above 59.9%, an amount equal to two and a half-tenths of one percent (0.0025) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus</p>
<p>Tier 5 50.0% - 59.9%</p>	<p>For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is below 60% and is above 49.9%, an amount equal to three-tenths of one percent (0.003) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus</p>
<p>Tier 6 49.9% and below ("Lowest BESS Capacity Bandwidth")</p>	<p>For each one-tenth of one percent (0.001) that the BESS Capacity Ratio is below 50%, an amount equal to three and a half-tenths of one percent (0.0035) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question.</p>

For purposes of determining liquidated damages under this Section 2.7(a) (BESS Capacity Test and Liquidated Damages), the starting and end points for the duration of the period that the BESS discharges shall be rounded to the nearest MWh. Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve the BESS Capacity Performance Metric for a BESS Measurement Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

EXAMPLE: The following is an example calculation of liquidated damages for the BESS Capacity Performance Metric and is included for illustrative purposes only. Assume the following:

The Maximum Rated Output for the BESS is 25 MW.

A BESS Capacity Test was conducted and the BESS was measured to have discharged 65 MWh

BESS Contract Capacity = 25 MW x 4 hours = 100 MWh

BESS Capacity Ratio = MWh Discharged/BESS Contract Capacity = 65 MWh/100 MWh = 0.65

LD =  $[(1 - 0.950) \times 1] + [(0.950 - 0.850) \times 1.5] + [(0.850 - 0.750) \times 2] + [(0.750 - 0.65) \times 2.5] \times$   
 BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question  
 = 0.65 x BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question

- (e) **BESS Capacity Test Termination Rights.** The Parties acknowledge that, although the intent of the liquidated damages payable under Section 2.7(a) (BESS Capacity Test and Liquidated Damages) is to compensate Company for the damages that Company would incur if the BESS fails to demonstrate satisfaction of the BESS Capacity Performance Metric during a BESS Measurement Period, such liquidated damages are not intended to compensate Company for the damages that Company would incur if a pattern of underperformance establishes a reasonable expectation that the BESS is likely to continue to substantially underperform the Company's expectations. Accordingly, and without limitation to Company's rights under said Section 2.7(a) (BESS Capacity Test and Liquidated Damages) for those BESS Measurement Periods during which the BESS fails to demonstrate satisfaction of the BESS Capacity Performance Metric, substantial underperformance shall give rise to a termination right as set forth in this Section 2.7(b) (BESS Capacity Test Termination Rights). If the BESS is in the Lowest BESS Capacity Bandwidth for any two BESS Measurement Periods during a 12-month period, an 18-month cure period (the "BESS Capacity Cure Period") will commence on the Day following the close of the second such BESS Measurement Period. For each BESS Measurement Period during such BESS Capacity Cure Period, BESS Capacity Tests shall continue to be conducted as set forth in Attachment C. (BESS Tests) and liquidated damages paid and accepted as set forth in Section 2.7(a) (BESS Capacity Test and Liquidated Damages); provided, however, that if the Subscriber Organization fails to demonstrate satisfaction of the BESS Capacity Performance Metric prior to the expiration of the BESS Capacity Cure Period, such failure shall constitute an Event of Default under Section 13.A.4. of this Contract for which Company shall have the rights (including but not limited to the termination rights) set forth in Section 13 (Events of Default) and Section 15. (Damages in the Event of Termination by Company).

**4. BESS Annual Equivalent Availability Factor; Liquidated Damages; Termination Rights.**

- (A) **BESS Annual Equivalent Availability Factor and Liquidated Damages.** For each BESS Measurement Period following the Commercial Operations Date, a BESS Annual Equivalent Availability Factor shall be calculated as set forth in Attachment H (BESS Annual Equivalent Availability Factor). If the BESS Annual Equivalent Availability Factor for such BESS Measurement Period is less than **97%** (the "BESS EAF Performance Metric"), Subscriber Organization shall pay, and Company shall accept, as liquidated damages for such shortfall, the amount set forth in the following table (on a progressive basis) upon proper demand at the end the current BESS Measurement Period:

<b>BESS Annual Equivalent Availability Factor</b>	<b>Liquidated Damage Amount</b>
Tier 1 85.0% - 96.9%	For each one-tenth of one percent (0.001) by which the BESS Annual Equivalent Availability Factor falls below 97% but equal to or above 85%, an amount equal to one-tenth of one percent (0.001) of the BESS Allocated Portion of the Lump Sum Payment for the BESS

	Measurement Period in question; plus
Tier 2 80.0% - 84.9%	For each one-tenth of one percent (0.001) by which the BESS Annual Equivalent Availability Factor falls below 85% but equal to or above 80%, an amount equal to two-tenths of one percent (0.002) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus
Tier 3 75.0% - 79.9%	For each one-tenth of one percent (0.001) by which the BESS Annual Equivalent Availability Factor falls below 80% but equal to or above 75%, an amount equal to three-tenths of one percent (0.003) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus
Tier 4 Below 75.0%	For each one-tenth of one percent (0.001) by which the BESS Annual Equivalent Availability Factor falls below 75%, an amount equal to four-tenths of one percent (0.004) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question.

Such liquidated damages shall be due within thirty (30) Days after the first to occur of the end of such BESS Measurement Period or the end of Term. In the event Subscriber Organization fails to pay Company amounts of liquidated damages due under this Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages) within thirty (30) Days of receipt of Company's written demand, Company may, without limitation to any other remedy Company may have, set-off such amounts due against payments it is otherwise obligated to make under this Contract.

For purposes of determining liquidated damages under this Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages), the BESS Annual Equivalent Availability Factor for the BESS Measurement Period in question shall be rounded to the nearest one-tenth of one percent (0.001). Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve the BESS EAF Performance Metric for a BESS Measurement Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

- (f) BESS Annual Equivalent Availability Factor Termination Rights. The Parties acknowledge that, although the intent of the liquidated damages payable under Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages) is to compensate Company for the damages that Company would incur if the Subscriber Organization fails to achieve the BESS EAF Performance Metric for a BESS Measurement Period, such liquidated damages are not intended to compensate Company for the damages that Company would incur if a pattern of underperformance establishes a reasonable expectation that the BESS is likely to continue to substantially underperform the BESS

EAF Performance Metric. Accordingly, and without limitation to Company's rights under said Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages) for those BESS Measurement Periods during which the Subscriber Organization failed to achieve the BESS EAF Performance Metric, the failure of the Subscriber Organization to achieve, for each of four consecutive BESS Measurement Periods, a BESS Annual Equivalent Availability Factor of not less than **75%**; shall constitute an Event of Default under Section 13.A.4. of this Contract for which Company shall have the rights (including but not limited to the termination rights) set forth in Section 13 (Events of Default) and Section 15. (Damages in the Event of Termination by Company); provided, however, that if a BESS Measurement Period for which the aforementioned 75% threshold is not achieved falls within a BESS Capacity Cure Period, such BESS Measurement Period shall be excluded from the calculation of the aforementioned "four consecutive BESS Measurement Periods" if the failure to achieve the aforementioned 75% threshold was the result of unavailability caused by the process of carrying out the repairs to or replacements of the BESS necessary to remedy the failure of the BESS to achieve the BESS Capacity Performance Metric.

**5. BESS Annual Equivalent Forced Outage Factor; Liquidated Damages.**

For each BESS Measurement Period following the Commercial Operations Date, the BESS shall maintain a BESS Annual Equivalent Forced Outage Factor of not more than 4% (the "BESS EFOF Performance Metric") as calculated as set forth in Attachment H (BESS Annual Equivalent Forced Outage Factor). If the BESS Annual Equivalent Forced Outage Factor for such BESS Measurement Period exceeds the BESS EFOF Performance Metric, Subscriber Organization shall pay, and Company shall accept, as liquidated damages for exceeding the BESS EFOF Performance Metric, the amount set forth in the following table (on a progressive basis) upon proper demand by the Company at the end of the BESS Measurement Period in question:

<b>BESS Annual Equivalent Forced Outage Factor</b>	<b>Liquidated Damage Amount</b>
0.0% - 4.0%	-0-
4.1% - 6.9%	For each one-tenth of one percent (0.001) that the BESS Annual Equivalent Forced Outage Factor is above 4.0% but less than 7.0%, an amount equal to two-tenths of one percent (0.002) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question; plus
7.0% and above	For each one-tenth of one percent (0.001) that the BESS Annual Equivalent Forced Outage Factor is above 6.9%, an amount equal to four-tenths of one percent (0.004) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question

Such liquidated damages shall be due within thirty (30) Days after the first to occur of the end of such BESS Measurement Period or the end of Term. In the event Subscriber Organization fails to pay Company amounts of liquidated damages due under this Section 5 (BESS Annual Equivalent Forced Outage Factor; Liquidated Damages) of Attachment B (Company Payments for Energy, Dispatchability and Availability

of Bess) within thirty (30) Days of receipt of Company's written demand, Company may set-off such amounts due against payments it is otherwise obligated to make under this Contract.

For purposes of determining liquidated damages under this Section 5 (BESS Annual Equivalent Forced Outage Factor; Liquidated Damages) of Attachment B (Company Payments for Energy, Dispatchability and Availability of Bess), the BESS Annual Equivalent Forced Outage Factor for the BESS Measurement Period in question shall be rounded to the nearest one-tenth of one percent (0.001). Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve the BESS EFOF Performance Metric for a BESS Measurement Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

For example, if the BESS Equivalent Annual Forced Outage Factor was 4.1% as calculated in the example in Attachment H (BESS Annual Equivalent Forced Outage Factor) attached hereto and the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question is \$1,000,000, the liquidated damages would be \$2,000, calculated as follows:

$$4.1\% - 4.0\% = 0.1\%$$

$$0.1\%/0.1 = 1$$

$$\$1,000,000 \times .002 = \$2,000$$

$$\$2,000 \times 1 = \$2,000$$

**6. BESS Round Trip Efficiency Test; Liquidated Damages; Termination Rights.**

- (A) RTE Test and Liquidated Damages. For each BESS Measurement Period following the Commercial Operations Date, the BESS shall be required to complete a RTE Test or otherwise demonstrate satisfaction of the RTE Performance Metric, as more fully set forth in Attachment H (BESS Tests) to this Contract. For each BESS Measurement Period for which the BESS fails to demonstrate that it satisfies the RTE Performance Metric, Subscriber Organization shall pay, and Company shall accept, as liquidated damages for such shortfall, in the amount to be calculated as provided in this Section 6(A) (RTE Test and Liquidated Damages) of Attachment B (Company Payments for Energy, Dispatchability and Availability of Bess), upon proper demand at the end the BESS Measurement Period in question.

The RTE Performance Metric is \_\_\_% as measured at the Point of Interconnection. **[DRAFTING NOTE: PERCENTAGE TO BE TAKEN FROM RESPONSE TO RFP.]**

The liquidated damages threshold ("LDT") is equal to the RTE Performance Metric minus 2 percentage points.

The Selected RTE Test is the RTE Test that came closest to satisfying the RTE Performance Metric during the BESS Measurement Period in question.

Subscriber Organization shall be liable for liquidated damages if:

$$(PM - RTE Ratio) * 100 > 2\%$$

Where:

PM = RTE Performance Metric stated as percentage

RTE Ratio = RTE Ratio from Selected RTE Test stated as percentage

For each percentage point by which the RTE Ratio is below the LDT, Subscriber Organization shall pay, and Company shall accept, liquidated damages in an amount equal to two-tenths of one percent (0.002) of the BESS Allocated Portion of the Lump Sum Payment for the BESS Measurement Period in question.

Each Party agrees and acknowledges that (i) the damages that Company would incur if the Subscriber Organization fails to achieve the RTE Performance Metric for a BESS Measurement Period would be difficult or impossible to calculate with certainty and (ii) the aforesaid liquidated damages are an appropriate approximation of such damages.

- (g) RTE Test Termination Rights. The Parties acknowledge that, although the intent of the liquidated damages payable under Section 2.10(a) (RTE Test and Liquidated Damages) is to compensate Company for the damages that Company would incur if the BESS fails to demonstrate satisfaction of the RTE Performance Metric during a BESS Measurement Period, such liquidated damages are not intended to compensate Company for the damages that Company would incur if a pattern of underperformance establishes a reasonable expectation that the BESS is likely to continue to substantially underperform the Company's expectations. Accordingly, and without limitation to Company's rights under said Section 2.10(a) (RTE Test and Liquidated Damages) for those BESS Measurement Periods during which the BESS fails to demonstrate satisfaction of the RTE Performance Metric, substantial underperformance shall give rise to a termination right as set forth in this Section 2.10(b) (RTE Test Termination Rights). If the RTE Ratio for the Selected RTE Test for the BESS Measurement Period in question is more than 15 percentage points below the RTE Performance Metric for any two BESS Measurement Periods during a 12-month period, an **18-month** cure period (the "RTE Cure Period") will commence on the Day following the close of the second such BESS Measurement Period. For each BESS Measurement Period during such RTE Cure Period, RTE Tests shall continue to be conducted as set forth in Attachment H (BESS Tests) and liquidated damages paid and accepted as set forth in Section 2.10(a) (RTE Test and Liquidated Damages); provided, however, that if the Subscriber Organization fails to demonstrate satisfaction of the RTE Performance Metric prior to the expiration of the RTE Cure Period, such failure shall constitute an Event of Default under Section 13.A.4. of this Contract for which Company shall have the rights (including but not limited to the termination rights) set forth in Section 13 (Events of Default) and Section 15. (Damages in the Event of Termination by Company).

**7. Payment of Liquidated Damages for Failure to Achieve Performance Metrics; Limitation on Liquidated Damage.**

- (A) Payment of Performance Metrics LDs by Subscriber Organization. With respect to the liquidated damages payable under Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages), Section 2.6(c) (GPR Performance Metric and Liquidated Damages), Section 2.7(a) (BESS Capacity Test and Liquidated Damages), Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages), Section 2.9 (BESS Annual Equivalent Forced Outage Factor; Liquidated Damages) and Section 2.10 (BESS Round Trip Efficiency Test; Liquidated Damages; Termination Rights) (collectively, the "Performance Metrics LDs"), Company shall have the right, at any time on or after the LD Assessment Date for the liquidated damages in question, at Company's option, to set-off such liquidated damages from the amounts to be paid to Subscriber Organization for the Unsubscribed RDG or, to draw such liquidated damages from the Operating Period Security, as follows:
- (i) if the BESS fails to achieve the BESS Capacity Performance Metric for a BESS Measurement Period, the Company shall have the right to set-off or draw the amount owed

for such failure as calculated as provided in Section 2.7(a) (BESS Capacity Test and Liquidated Damages); and

- (ii) if the Monthly Report for the calendar month, MPR Assessment Period, or BESS Measurement Period in question, as applicable, shows a failure to achieve one or more of the Performance Metrics required for the LD Period in question, the MPR Measurement Period in question, or the BESS Measurement Period in question, as applicable, and Company does not submit a Notice of Disagreement with respect to such Monthly Report, the Company shall have the right to set-off or draw the amount of liquidated damages owed for such failure as calculated as provided in Section 2.5(b) (PV System Equivalent Availability Factor Performance Metric and Liquidated Damages), Section 2.6(c) (GPR Performance Metric and Liquidated Damages), Section 2.8(a) (BESS Annual Equivalent Availability Factor and Liquidated Damages), Section 2.9 (BESS Annual Equivalent Forced Outage Factor; Liquidated Damages) and Section 2.10 (BESS Round Trip Efficiency Test; Liquidated Damages; Termination Rights), as applicable;
- (iii) in all cases in which Company submits a Notice of Disagreement for a given Monthly Report, Company shall have the right to set-off or draw all or any portion of the amount of liquidated damages for the calendar month in question, MPR Assessment Period in question, or BESS Measurement Period in question, as applicable, as calculated on the basis of the shortfall(s) in the achievement of the Performance Metric(s) in question, as shown in such Notice of Disagreement; and
- (iv) in the event of any disagreement as to the liquidated damages owed under clause (i) and (iii) above:
  - (aa) if the amount set-off or drawn by the Company exceeds the amount of liquidated damages for such calendar month, BESS Measurement Period or MPR Assessment Period that are eventually found to be payable for the LD Period in question as determined under Section 2 (Monthly Report Disagreements) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract, Company shall promptly (and in no event more than forty-five (45) Business Days from the date of such determination) repay such excess to Subscriber Organization together with, unless the Parties otherwise agree in writing, interest from the date of Company's set-off or draw until the date that such excess is repaid to Subscriber Organization at the average Prime Rate for such period; and
  - (bb) if Company does not exercise its rights to set-off or draw liquidated damages for such calendar month, BESS Measurement Period or MPR Assessment Period, or does not set-off or draw the full amount of the liquidated damages for such calendar month, BESS Measurement Period or MPR Assessment Period that are eventually found to be payable for the LD Period, BESS Measurement Period or MPR Assessment Period in question as determined under Section 2 (Monthly Report Disagreements) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract, Subscriber Organization shall promptly, upon such determination as aforesaid, pay to Company the amount of liquidated damages that are found to be owing together with, unless otherwise agreed by the Parties in writing, interest on the amount of such liquidated damages that went unpaid from the applicable LD Assessment Date for such liquidated damages until the date such liquidated damages are paid

to Company in full at the average Prime Rate for such period, and Company shall have the right, at its option, to set-off such interest from the amounts to be paid to Subscriber Organization for the Unsubscribed RDG or to draw from the Operating Period Security.

Any delay by Company in exercising its rights to set-off liquidated damages and/or interest from the amounts to be paid to Subscriber Organization for the Unsubscribed RDG or to draw such liquidated damages and/or interest from the Operating Period Security shall not constitute a waiver by Company of its right to do so.

- (v) Limitation on Liquidated Damages. Notwithstanding any other provision of this Contract to the contrary, the aggregate liquidated damages paid by Subscriber Organization during each Contract Year for the Performance Metrics LDs, such payments by Subscriber Organization to include but not be limited to any set-offs or draws made by Company during such Contract Year pursuant to Section 7(A) (Payment of Performance Metrics LDs by Subscriber Organization) of Attachment C (Required Performance Metrics; Liquidated Damages for Failure To Achieve Performance Metrics), shall not exceed the total of the twelve (12) monthly Lump Sum Payments payable during such Contract Year pursuant to Section 4.B (Lump Sum Payment) and Section 4.G (Payment Procedures) of the Contract. For avoidance of doubt: A monthly Lump Sum Payment that is invoiced by Subscriber Organization to Company pursuant to Section 4.F (Subscriber Organization's Preparation of the Monthly Invoice) for, e.g., the twelfth (12<sup>th</sup>) calendar month of Contract Year N but is paid during Contract Year N+1 as provided in Section 4.G (Payment Procedures) shall, for purposes of determining the limitation on Performance Metrics LDs under this Section 7(A)(v) (Limitation on Liquidated Damages) of Attachment C (Required Performance Metrics; Liquidated Damages for Failure To Achieve Performance Metrics), be included in the total of the twelve (12) monthly Lump Sum Payments payable during Contract Year N+1. As a result of the foregoing, the total of the monthly Lump Sum Payments used to establish the limitation on Performance Metrics LDs for the initial Contract Year under this Section 7(A)(v) (Limitation on Liquidated Damages) of Attachment C (Required Performance Metrics; Liquidated Damages for Failure To Achieve Performance Metrics) will be less than twelve (12). The Parties acknowledge that, because the monthly Lump Sum Payment is subject to adjustment (including downward adjustment) as provided in Section 2 (Lump Sum Payment), it is possible that a downward adjustment in some or all of the monthly Lump Sum Payments payable during a Contract Year might cause the Performance Metrics LDs paid by Subscriber Organization during the course of such Contract Year to exceed the limitation on the Performance Metrics LDs for such Contract Year established at the close of such Contract Year pursuant to the first sentence of this Section 7(A)(v) (Limitation on Liquidated Damages). In such case, Company shall promptly upon the determination that the Performance Metrics LDs paid during the course of such Contract Year exceeded the limitation on Performance Metrics LDs for such Contract Year (and in no event more than forty-five (45) Business Days from the end of such Contract Year) repay such excess amount to Subscriber Organization without interest.



- (b) Payment of Shortfall Performance Metrics LDs by Reduction of Bill Credits.
- (i) If Performance Metrics LDs remain unpaid after Company has exercised its rights under Section 2.11(a) (Payment of Performance Metrics LDs by Subscriber Organization) of this Contract to set off such liquidated damages from the amounts to be paid to Subscriber Organization and to draw such liquidated damages from the Operating Period Security, the Company shall have the right to pay such unpaid Performance Metrics LDs ("Shortfall Performance Metrics LDs") by reducing Bill Credits in the aggregate amount of such unpaid Shortfall Performance Metrics LDs. The reduction in Bill Credits shall be proportionate so that the burden of paying the Shortfall Performance Metrics LDs is shared equitably among the Subscribers.
  - (ii) In the event of any disagreement under Section 2.11(a) (Payment of Performance Metrics LDs by Subscriber Organization) of this Contract as to the amount of liquidated damages owing:
    - (aa) upon the resolution of such disagreement pursuant to Section 2 (Monthly Report Disagreements) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract, if such resolution has the effect of reducing the Shortfall Performance Metrics LDs, and if such reduction in the Shortfall Performance Metrics LDs has the effect of causing the reduction in Bill Credits previously implemented by Company under Section 2.11(c)(i) to exceed the actual amount of the Shortfall Performance Metrics LDs (the amount of such excess being referred to herein on the "Excess Reduction in Bill Credits"), Company shall promptly (and in no event later than the second billing cycle for each Subscriber following the date of the resolution of such disagreement as aforesaid) afford to such Subscriber a Bill Credit (referred to herein as a "Compensatory Bill Credit") in an amount equivalent to the total of (i) such Subscriber's proportionate share of the Excess Reduction in Bill Credits and (ii), unless the Company and Subscriber Organization otherwise agree in writing as provided in Section 2.11(a)(iv)(aa), interest on the amount of the Excess Reduction in Bill Credits from the date Company implemented such Excess Reduction in Bill Credits with respect to such Subscriber until the date that Company applies the Compensatory Bill Credit against such Subscriber's retail electric service bill, at the average Prime Rate for such period; and
    - (bb) upon the resolution of such disagreement pursuant to Section 2 (Monthly Report Disagreements) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to this Contract, if Company has not previously exercised its rights to set-off or draw liquidated damages pursuant to Section 2.11(a) (Payment of Performance Metrics LDs by Subscriber Organization), or has not previously set-off or drawn the full amount of the liquidated damages that are eventually found to be payable as a result of the resolution of such disagreement, upon the resolution of such disagreement as aforesaid, Company shall have the right to pay such Shortfall Performance Metrics LDs based on the unpaid amount of liquidated damages that are found to be owing, by reducing Bill Credits in an amount equal to the total of (i) such Shortfall Performance Metrics LDs and (ii) unless otherwise agreed by Company and Subscriber Organization in writing as provided in Section 2.11(a)(iv)(bb), interest on the amount of such Shortfall Performance Metrics LDs from the applicable LD Assessment Date for the liquidated damages in question until the date Company implements a reduction in

Bill Credits in payment of such Shortfall Performance Metrics LDs, at the average Prime Rate for such period.

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**ATTACHMENT D**

**CALCULATION AND ADJUSTMENT OF NET ENERGY POTENTIAL**

1. Net Energy Potential.

(a) Net Energy Potential and the Intent of the Parties. The essence of this Attachment D is that Company is paying to Subscriber Organization a Lump Sum Payment in exchange for Company's right to dispatch, subject to Renewable Resource Variability, the Facility's Net Energy Potential. Under this Attachment D, "Net Energy Potential": (i) constitutes an estimated single number with a P-Value of 95 for annual Net Energy that could be produced by the Facility based on the estimated long-term monthly and annual total of such production over a period of ten years; (ii) is subject to adjustment from time to time as provided in this Attachment D (Calculation and Adjustment of Net Energy Potential); and (iii) as so adjusted, provides a basis for calculating and adjusting the Lump Sum Payment, as provided in Section 3 (Calculation of Lump Sum Payment) of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) to the Contract. It is the intent of the Parties that the estimate of Net Energy Potential, as calculated and adjusted as foresaid, should reflect the following risk allocation between the Parties under the Contract:

(i) Subscriber Organization has assumed the risk of downward adjustment to the Net Energy Potential (and hence the Lump Sum Payment) to account for any of the following circumstances:

(aa) if the Renewable Resource Baseline (as estimated on the basis of the typical meteorological year as derived from the Site's measured meteorological data) is lower than Subscriber Organization had assumed when it submitted its RFP Proposal;

(bb) if the as-built design and construction of the Facility is not as efficient in generating electrical energy and delivering such electric energy to the Point of Interconnection as Subscriber Organization had assumed when it submitted its RFP Proposal; and

(cc) if the Facility's level of operational efficiency is below the standard of comparable facilities;

(ii) Company has assumed the risk of the following (i.e., the following are to be disregarded for purposes of estimating Net Energy Potential (and hence the Lump Sum Payment)):

(aa) Renewable Resource Variability; and

(bb) the possibility that, at any given moment, Company does not need to dispatch any or all of the electric energy that the Facility is then capable of generating and delivering to the Point of Interconnection.

The foregoing is not intended as an exhaustive list of the risks assumed by either Party under this Attachment D or as a limitation on the circumstances that an OEPR Evaluator, in its professional

judgment, may decide to take into account in preparing its OEPR under Section 4(e) (Terms of Engagement) of this Attachment D (Calculation and Adjustment of Net Energy Potential).

(b) NEP RFP Projection. In its RFP Proposal, the Subscriber Organization projected that the Facility would have a Net Energy Potential (as defined in this Attachment D) of \_\_\_\_\_ MWh [**Note – insert NEP from RFP proposal**] and provided the plane of array irradiance data used in arriving at the NEP RFP Projection, and Company relied on Subscriber Organization's NEP RFP Projection in deciding to contract with Subscriber Organization in lieu of other developers. Among the fundamentals of the bargain evidenced in this Attachment D is that there will be consequences to Subscriber Organization if (i) the IE Energy Assessment does not support the NEP RFP Projection and/or (ii) the operational performance of the Facility indicates a Net Energy Potential that is below the applicable thresholds set forth in this Attachment D (Calculation and Adjustment of Net Energy Potential).

(c) NEP IE Estimate and Company-Designated NEP Estimate. Prior to the closing of the construction financing for the Facility but in no event later than the Commercial Operations Date, the Subscriber Organization shall provide Company with a copy of the IE Energy Assessment Report and the data on plane of array irradiance and corresponding power output used in arriving at the NEP IE Estimate. In addition, Subscriber Organization shall obtain from the administrative agent of the Facility Lender and provide to Company, at financial close of the construction debt financing, a confirmation letter confirming to Company that the IE Energy Assessment Report including the data on plane of array of irradiance and corresponding power output used in arriving at the NEP IE Estimate provided by Subscriber Organization to Company is the final energy assessment prepared for the Facility Lender as part of the Facility Lender's due diligence leading up to the Facility Lender's legally binding commitment (subject to certain conditions precedent) to provide a specific amount of financing for the Project as evidenced by the Facility Lender's execution of the Financing Documents. If the IE Energy Assessment Report fails to provide a NEP IE Estimate that is consistent with the requirements of this Attachment D in all material respects, or if the data on plane of array of irradiance and corresponding power output used in arriving at the NEP IE Estimate is not provided, or if the aforementioned confirmation letter is not provided, Company shall have the option, exercisable by written notice to Subscriber Organization issued no later than 30 Days, or such longer period as the Parties may agree in writing, following the first to occur of Company's receipt of (i) the IE Energy Assessment Report or (ii) notice that Company will not be provided with a copy of the IE Energy Assessment Report and the data on plane of array of irradiance and corresponding power output used in arriving at the NEP IE Estimate, to designate such Company-Designated NEP Estimate as Company, in its sole discretion, determines to be reasonable in light of the information then available to Company. In connection with Company's decision as to whether to designate a Company-Designated NEP Estimate, Company shall have the right to require Subscriber Organization to pay for an energy assessment to be performed by an independent engineer selected by Company. In such case, the aforesaid 30-Day period for Company's decision to designate a Company-Designated NEP Estimate shall be tolled for the time necessary to prepare such assessment. If Company fails, within the aforesaid 30-Day period as such period may be tolled as provided in the preceding sentence, to designate a Company-Designated NEP Estimate, the NEP RFP Projection shall constitute the First NEP Benchmark, unless the Parties agree in writing on a lower First NEP Benchmark.

(d) NEP IE Estimate, Liquidated Damages and Subscriber Organization's Null and Void Right. If the NEP IE Estimate is higher than the NEP RFP Projection, the NEP RFP Projection shall constitute the First NEP Benchmark. In any other case, Subscriber Organization shall have the option to declare the Contract null and void by written notice to Company as follows:

(i) if (aa) the NEP IE Estimate is lower than the NEP RFP Projection and (bb) Subscriber Organization issues its null and void notice to Company not later than 30 Days after issuance of the IE Energy Assessment Report; or

(ii) if (aa) Company exercises its right to designate a Company-Designated NEP Estimate under Section 1(c) (NEP IE Estimate and Company-Designated NEP Estimate) of this Attachment D (Calculation and Adjustment of Net Energy Potential), (bb) such Company-Designated NEP Estimate is lower than the NEP RFP Projection, and (cc) Subscriber Organization issues its null and void notice to Company not later than 30 Days after Company's notice of the Company-Designated NEP Estimate.

If Subscriber Organization fails to declare this Attachment D null and void under the conditions set forth in either clause (i) or clause (ii) above, then: (x) the NEP IE Estimate or the Company-Designated NEP Estimate, as applicable, shall thereafter constitute the First NEP Benchmark and (y) Subscriber Organization shall, within five (5) Business Days following the expiration of the applicable 30-Day period for the issuance of Subscriber Organization's null and void notice, pay liquidated damages equal to \$10 for every MWh by which the NEP RFP Projection exceeds the First NEP Benchmark for the initial Contract Year.

2. Initial OEPR. Following the Initial NEP Verification Date, the Initial OEPR shall be prepared pursuant to the process set forth in Section 4 (Preparation of OEPR) of this Attachment D (Calculation and Adjustment of Net Energy Potential) and the Initial NEP OEPR Estimate shall be as set forth in or derived from the Initial OEPR, as more fully set forth in Section 4(e) (Terms of Engagement) of this Attachment D (Calculation and Adjustment of Net Energy Potential). If the Initial NEP OEPR Estimate differs from the First NEP Benchmark, the Lump Sum Payment shall be recalculated and adjusted as provided in Section 3.ii (Lump Sum Payment During Second Benchmark Period) of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) to the Contract.

3. Subsequent OEPRs.

(a) Required Subsequent OEPR. If Subscriber Organization makes any changes to the Facility that involve (i) replacing any step-up transformer(s) or (ii) making any other changes (e.g., changing the characteristics of the Facility equipment or the specifications used in the IRS) that Company reasonably determines require an updated IRS, then Subscriber Organization shall also be required to have a subsequent OEPR prepared as of the first Day of the calendar month following the second anniversary of the date such change to the Facility was completed.

(b) Voluntary Subsequent OEPR. Without limitation to the generality of Section 3(a) (Required Subsequent OEPR) of this Attachment D (Calculation and Adjustment of Net Energy Potential), if the Subscriber Organization makes any changes to the Facility (e.g., replacing original equipment) that does not trigger a required Subsequent OEPR but which changes Subscriber Organization has reasonable grounds to believe will improve the Facility's Net Energy Potential, Subscriber Organization shall have a one-time option, exercisable by written notice to Company issued not less

than 120 Days prior to the Applicable NEP Verification Date, of having a subsequent OEPR prepared as of a date no sooner than 12 months following completion of the then most recent OEPR.

(c) Subsequent OEPR and Adjustment to Lump Sum Payment. If the Subsequent NEP OEPR Estimate differs from the Most Recent Prior NEP Benchmark, the Lump Sum Payment shall be recalculated and adjusted as provided in Section 3.iii (Lump Sum Payment Following Second Benchmark Period) of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS) to the Contract.

4. Preparation of OEPR. The following provisions apply to the Initial OEPR and any Subsequent OEPR:

(a) Selection of OEPR Evaluator. No later than 90 Days prior to the Applicable NEP Verification Date, Company and Subscriber Organization shall select, in accordance with the terms of this Section 4(a) (Selection of OEPR Evaluator), an independent engineering firm from the firms listed on the OEPR Consultants List (the "OEPR Evaluator") to prepare an operational energy production report ("OEPR"). Each party shall select the names of two (2) firms from the OEPR Consultants List. If there is mutual agreement on one or both of the named firms, then the Subscriber Organization shall select one of the named firms to serve as the OEPR Evaluator. If there is no agreement on any of the named firms, then Subscriber Organization shall select one of the firms named by the Company.

(b) Eligibility for Appointment as OEPR Evaluator. Both Parties agree that the engineering firms listed in Section 4(j) of this Attachment D (Calculation and Adjustment of Net Energy Potential) are fully qualified to prepare the OEPR. By mutual agreement between the Parties in writing, a name or names may be added to or removed from the OEPR Consultants List at any time. In no event shall there be less than three (3) names on the OEPR Consultants List.

(c) OEPR Period of Record. It is the intent of the Parties that the OEPR shall be prepared using measured meteorological and production data from the OEPR Period of Record. However, although the OEPR Period of Record is a twelve-month period, the Parties acknowledge that, in certain circumstances (e.g., Force Majeure), there may not be twelve months of data available for the OEPR Period of Record. In such case, (i) it is the intent of the Parties that the OEPR be prepared using such measured meteorological and production data that is available from the OEPR Period of Record and (ii) Parties may, by written agreement, direct the OEPR Evaluator to use such additional data outside of the OEPR Period of Record as the Parties may agree. The preceding sentence does not constitute a limitation on the professional judgment of the OEPR Evaluator as to the appropriateness of using measured meteorological and/or production from outside of the OEPR Period of Record.

(d) Participation of Parties. Promptly following the Applicable NEP Verification Date, Subscriber Organization and Company shall provide the OEPR Evaluator with such data from the OEPR Period of Record as they consider to be material to the preparation of the OEPR. Subscriber Organization and Company shall also provide such additional data and information as the OEPR Evaluator may reasonably request. The Parties shall assist the OEPR Evaluator throughout the process of preparing the OEPR, including making key personnel and records available to the OEPR Evaluator, but neither Party shall be entitled to participate in any meetings with personnel of the other Party or review of the other Party's records. However, the OEPR Evaluator will have the right to conduct meetings, hearings or oral arguments in which both Parties are represented. Subscriber Organization and Company shall have forty-five (45) Days from issuance of the draft OEPR Report to review and provide feedback to the OEPR Evaluator on such report.

(e) Terms of Engagement. Upon selection of the OEPR Evaluator, as set forth in this Attachment D (Calculation and Adjustment of Net Energy Potential), the Subscriber Organization shall retain and contract with the OEPR Evaluator in accordance with the terms of this Attachment D (Calculation and Adjustment of Net Energy Potential). The OEPR Evaluator's scope of work and expected deliverables for all OEPRs must be acceptable to Company and shall, among other things, require the OEPR Evaluator to provide (i) an estimated single number with a P-Value of 95 for annual Net Energy that could be produced by the Facility based on the estimated long-term monthly and annual total of such production over a period of ten years; (ii) the data on plane of array of irradiance and corresponding power output used in arriving at the aforementioned estimated annual Net Energy; (iii) the GPR Performance Metric as provided in Section 2.6(b)(ii) (Commencing With Initial OEPR) or Section 2.6(b)(iii) (Commencing With First Subsequent OEPR and Thereafter) of this Attachment D, as applicable; and (iv) any additional information that may be reasonably required by a Party with respect to the methodology used by the OEPR Evaluator to reach its conclusion. The provisions of this Attachment D (Calculation and Adjustment of Net Energy Potential) do not impose a limit on the OEPR Evaluator's professional judgment as to what other estimates (if any) to include in the OEPR. Without limiting the professional judgment of the OEPR Evaluator in estimating the Net Energy Potential and GPR Performance Metric, the following is a general description of how the Parties anticipate that the OEPR Evaluator will proceed:

The purpose of an OEPR is to implement the intent of the Parties as set forth in Section 1(a) (Net Energy Potential and the Intent of the Parties) of this Attachment D (Calculation and Adjustment of Net Energy Potential) by evaluating (i) whether, when the Renewable Resource Baseline (as estimated by the OEPR Evaluator on the basis of the typical meteorological year as derived from the Site's measured meteorological data) is present and the Facility is in Full Dispatch, the Facility is capable of doing what the Parties expected the Facility to do: i.e., generating and delivering to the Point of Interconnection electric energy in an amount consistent with the then applicable Net Energy Potential of the Facility (i.e., the estimate of Net Energy Potential then being used to calculate the monthly Lump Sum Payment pursuant to Section 3 (Calculation of Lump Sum Payment) of Attachment B (Company Payments for Energy, Dispatchability and Availability of BESS to the Contract); and (ii) if the Facility is not doing what the parties expected in this regard, identifying a new estimated single number with a P-Value of 95 for annual Net Energy that could be generated and delivered by the Facility based on the estimated long-term monthly and annual total of such production over a period of the next ten years.

At a high level, the analysis relies on reported Actual Output (i.e., energy delivered to the Point of Interconnection) during the OEPR Period of Record to estimate Facility performance over a future evaluation period of ten years. The data from the OEPR Period of Record are first quality screened and evaluated. One-time events are assessed and removed from the record where appropriate. Values for potential energy are then calculated from the reported energy production measured at the Point of Interconnection by adjusting for 100% availability and undischarged energy. Suitable long-term reference data sets are then identified by analyzing the reference for irradiance and the normalized values for potential energy production at the Point of Interconnection over the OEPR Period of Record. Relationships between selected long-term reference irradiance data sets and normalized values for potential energy production at the Point of Interconnection are used to calculate long-term values for such on a monthly and annual basis. Finally, estimates of future Facility availability (taking into account anticipated maintenance) and losses (such as system degradation and balance of plant losses) are applied in order to calculate the Net Energy Potential. For this purpose, no reductions are made for future estimates of energy that Company may choose

not to dispatch. If a copy of the IE Energy Assessment Report is available to the OEPR Evaluator, the OEPR Evaluator should review such Report before commencing preparation of the OEPR and evaluate whether it is appropriate for the OEPR Evaluator to take into account any of the work reflected in the IE Energy Assessment Report.

(f) Timeline and Fees. The terms of engagement with the OEPR Evaluator shall require the OEPR Evaluator to issue an OEPR that shall include a NEP OEPR Estimate and a Guaranteed Measured Performance Ratio Benchmark within 30 Days following the NEP Applicable Verification Date ("First OEPR"). The Parties shall each pay fifty percent (50%) of the fees and expenses charged by the OEPR Evaluator in connection with the Initial OEPR. For the Initial OEPR, the OEPR Evaluator's fees and costs must be acceptable to Company. Subscriber Organization shall pay all of the fees and expenses charged by the OEPR Evaluator in connection with any Subsequent OEPR. Subscriber Organization shall also pay for any reasonable internal fees and costs incurred by the Company as a result of its participation in the process set forth in Section 4(d) (Participation of Parties) of this Attachment D (Calculation and Adjustment of Net Energy Potential).

(g) Review of the First OEPR Evaluator Report. In the event Company or Subscriber Organization does not agree with the NEP OEPR Estimate or GPR Performance Metric determined by the First OEPR Evaluator, Subscriber Organization or Company may, within 30 Days of issuance of the First OEPR, engage, at its own cost, a different expert evaluator from the OEPR Consultants List (the "Second OEPR Evaluator") to prepare a second OEPR that shall include a NEP OEPR Estimate or GPR Performance Metric, as applicable ("Second OEPR"). The terms of engagement with the Second OEPR Evaluator shall require the Second OEPR Evaluator to issue the Second OEPR within 60 Days following the date of its appointment. In the event the NEP OEPR Estimates or GPR Performance Metric, as applicable, provided by the First OEPR Evaluator and the Second OEPR Evaluator are different then, within ten (10) Days of the issuance of the Second OEPR, the Parties shall, with the two evaluators, confer in an attempt to mutually agree upon a NEP OEPR Estimate or GPR Performance Metric, as applicable ("OEPR Conference").

(h) Review of the Second OEPR Evaluator Report. If the Parties are unable to agree upon an NEP OEPR Estimate or GPR Performance Metric, as applicable, within 30 Days of the OEPR Conference, then within ten (10) Days thereafter the First OEPR Evaluator and Second OEPR Evaluator shall, by mutual agreement, select a third firm from the OEPR Consultants List to act as an independent OEPR Evaluator ("Third OEPR Evaluator"). The Third OEPR Evaluator shall not be a person from the same entity as the First OEPR Evaluator or the Second OEPR Evaluator. The Parties shall direct the Third OEPR Evaluator to review the First OEPR and Second OEPR and select one as the final and binding NEP OEPR Estimate and/or GPR Performance Metric, as applicable ("Third OEPR"). The Third OEPR Evaluator shall complete its review and selection of the NEP OEPR Estimate within thirty (30) Days following his or her retention. If the Third OEPR Evaluator selects the First OEPR, then the Party requesting the Second OEPR shall pay for the cost of the Third OEPR. If the Third OEPR Evaluator selects the Second OEPR, then the Parties shall each pay fifty percent (50%) of the fees and expenses charged by the Third OEPR Evaluator in connection with the Third OEPR.

(i) Final, Binding and Conclusive. The Parties acknowledge the inherent uncertainty in estimating the Net Energy Potential and GPR Performance Metric and hereby assume the risk of such uncertainty and waive any right to dispute any of the qualification of the person or entity appointed as the OEPR Evaluator pursuant to Section 4(a) (Selection of OEPR Evaluator) and Section 4(b) (Eligibility for Appointment as OEPR Evaluator) of this Attachment D (Calculation and Adjustment of Net Energy Potential), the appropriateness of the methodology used by OEPR Evaluator in preparing the OEPRs, the NEP OEPR Estimate and/or the GPR Performance Metric. Without limitation to the generality of the preceding sentence, the determination of the NEP OEPR Estimate



and GPR Performance Metric in the First OEPR, Second OEPR (if applicable), or final decision of the Third OEPR Evaluator (if applicable) shall be final, conclusive and binding upon Company and Subscriber Organization and shall not be subject to further dispute under Section 17 (Dispute Resolution) of the Contract; provided that, nothing in this Section 4(i) (Final, Binding and Conclusive) of this Attachment D (Calculation and Adjustment of Net Energy Potential) shall preclude Subscriber Organization from engaging an OEPR Evaluator to issue a Subsequent OEPR as allowed pursuant to Section 3 (Subsequent OEPRs) of this Attachment D (Calculation and Adjustment of Net Energy Potential).

(j) Acceptable Persons and Entities. The OEPR Evaluator and Second OEPR Evaluator shall be selected from the following engineering firms listed below, subject to such additions or deletions effectuated by the Parties as provided in Section 2(f) (Eligibility for Appointment as Independent AF Evaluator) of Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) to the Contract and Section 4(b) (Eligibility for Appointment as OEPR Evaluator) of this Attachment D (Calculation and Adjustment of Net Energy Potential):

DNV GL

UL

Black & Veatch

Leidos Engineering

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**ATTACHMENT E  
MONTHLY REPORTING AND DISPUTE  
RESOLUTION BY INDEPENDENT AF EVALUATOR**

1. Monthly Report. Commencing with the month during which the Commercial Operations Date is achieved, and for each calendar month thereafter during the Term, Subscriber Organization shall provide to Company a Monthly Report in Excel, Lotus or such other format as Company may require, which Monthly Report shall include (i) the data for the calendar month in question populated into the form of "Monthly Report" below, (ii) the data for the BESS Measurement Period ending with the calendar month in question populated into the form of "BESS Measurement Period Report" below, and (iii) Subscriber Organization's calculations of the performance metrics and any liquidated damages assessments for the LD Period ending with such calendar month as set forth below. Subscriber Organization shall deliver such Monthly Report to Company by the fifth (5<sup>th</sup>) Business Day following the close of the calendar month in question. Subscriber Organization shall deliver the Monthly Report electronically to the address provided by the Company. Company shall have the right to verify all data set forth in the Monthly Report by inspecting measurement instruments and reviewing Facility operating records. Upon Company's request, Subscriber Organization shall promptly provide to Company any additional data and supporting documentation necessary for Company to audit and verify any matters in the Monthly Report.

PV System Monthly Report

NAME OF IPP FACILITY: [Facility Name]

MONTHLY REPORT PERIOD: [Month Day, Year] to [Month Day, Year]

Enter the information for each event during the reporting period. Dates and times should be entered to the nearest minute. Duration and equivalent hours should be rounded to 2 decimal places.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (C) = (B-A)	Number of Inverters in the PV system that are offline (D)	Total number of Inverters in the PV system (E)	Equivalent Hours (hrs) (C x D)/E
...					

Calendar hours in the reporting period: \_\_\_\_\_

\_\_\_\_\_

Period Hours (PH) in the reporting period: \_\_\_\_\_

\_\_\_\_\_

PH from the last eleven (11) reporting periods: \_\_\_\_\_

\_\_\_\_\_

PH for the last twelve (12) reporting periods: \_\_\_\_\_

Enter the information for each Outage during the reporting period. Dates and times should be entered to the nearest minute. Duration should be rounded to 2 decimal places.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (B-A)
...		

Calendar hours in the reporting period: \_\_\_\_\_

Total Outage hours for the reporting period (from above): \_\_\_\_\_

Available Hours (AH) in the reporting period: \_\_\_\_\_

AH from the last eleven (11) reporting periods: \_\_\_\_\_

AH for the last twelve (12) reporting periods: \_\_\_\_\_

Enter the information for each Planned Deration event during the reporting period. Dates and times should be entered to the nearest minute. Duration and equivalent hours should be rounded to 2 decimal places.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (C) = (B-A)	Number of Inverters in the PV system that are offline (D)	Total number of Inverters in the PV system (E)	Equivalent Hours (hrs) (C x D)/E
...					

Total equivalent planned derated hours (EPDH) for the reporting period: \_\_\_\_\_

EPDH from the last eleven (11) reporting periods: \_\_\_\_\_

EPDH for the last twelve (12) reporting periods: \_\_\_\_\_

Enter the information for each Unplanned Deration event during the reporting period. Dates and times should be entered to the nearest minute. Duration and equivalent hours should be rounded to 2 decimal places.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (C) = (B-A)	Number of Inverters in the PV system that are offline (D)	Total number of Inverters in the PV system (E)	Equivalent Hours (hrs) (C x D)/E
...					

Total equivalent unplanned derated hours (EUDH) for the reporting period: \_\_\_\_\_

EUDH for the last eleven (11) reporting periods: \_\_\_\_\_

EUDH for the last twelve (12) reporting periods: \_\_\_\_\_

Enter the Available Hours, EPDH, EUDH, and Period Hours for the last twelve (12) reporting periods as calculated above.

AH (A)	EPDH (B)	EUDH (C)	PH (D)	PV Annual Equivalent Availability Factor 100% x (A – B – C)/D

Enter the following properties for the facility’s PV panels that are used in the calculation of the Measured Performance Ratio. Refer to Attachment C of this Contract for the definitions of terms.

DC rated capacity of the system at standard test conditions ( $P_{DC_{STC}}$ ):

\_\_\_\_\_

Temperature coefficient of power in %/°C( $\delta$ ):

\_\_\_\_\_

Temperature empirical constant ( $a$ ):

\_\_\_\_\_

Wind speed empirical constant ( $b$ ):

\_\_\_\_\_

For the reporting period, provide 2 second site data for the following used in the calculation of the Measured Performance Ratio in .csv format (refer to Attachment C of this Contract for the definitions of terms). The data set should include an indication of whether each data point is included or excluded in the calculation of the Measured Performance Ratio.

Measured data:

- Power output of the PV system ( $P_{AC_i}$ )
- Plane of array irradiance ( $G_{POA}$ )
- Module back of surface temperature ( $T_m$ )
- Ambient temperature ( $T_a$ )
- Wind speed (WS)
- # of Inverters Available [%]

Calculated data:

- Average cell temperature ( $T_{cell\_type\_avg}$ )

- Computed cell temperature ( $T_{cell_i}$ )

Using the data provided above, enter the calculated values for Measured Performance Ratio rounded to the third decimal place (0.001).

Measured Performance Ratio for the reporting period: \_\_\_\_\_

Measured Performance Ratio for this reporting period and the previous eleven (11) reporting periods: \_\_\_\_\_

Enter the Applicable Contract Year and calculated Degradation Factor for the reporting period. Refer to Attachment C of this Contract for how these should be calculated.

Applicable Contract Year: \_\_\_\_\_

Degradation Factor: \_\_\_\_\_

**BESS Measurement Period Report**

NAME OF IPP FACILITY: [Facility Name]

BESS MEASUREMENT PERIOD: [Month Day, Year] to [Month Day, Year]

Enter the applicable information from which the IPP is using to demonstrate satisfaction of the BESS Capacity Performance Metric during the reporting period. This can either be from a BESS Capacity Test performed during the period or taken from operational data reflecting the net output of the BESS.

Date/Time Start	Date/Time End	Total MWh delivered to the POI (A)	BESS Contract Capacity (MWh) (B)	BESS Capacity Ratio 100% x (A/B)

Enter the applicable information from which the IPP is using to demonstrate satisfaction of the RTE Performance Metric during the reporting period. This can either be from a RTE Test performed during the period or taken from operational data reflecting the charging/discharging of the BESS.

Date/Time Start	Date/Time End	Total MWh delivered to the POI during the test (A)	Charging Energy measured at POI (MWh) (B)	RTE Ratio 100% x (A ÷ B)

Enter the information for each Outage during the reporting period. Dates and times should be entered to the nearest minute. Duration should be rounded to 1 decimal place.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (B-A)
...		

Calendar hours in the reporting period: \_\_\_\_\_

Total Outage hours for the reporting period (from above): \_\_\_\_\_

Available Hours (AH) in the reporting period: \_\_\_\_\_

AH from the last three (3) reporting periods: \_\_\_\_\_

AH for the last four (4) reporting periods: \_\_\_\_\_

Enter the information for each Planned Deration event during the reporting period. Dates and times should be entered to the nearest minute. Duration, size of reduction, maximum rated output, and equivalent hours should be rounded to 1 decimal place.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (C) = (B-A)	Size of Reduction (MW) (D)	Maximum Rated Output (MW) (E)	Equivalent Hours (hrs) (C x D)/E
...					

Total equivalent planned derated hours (EPDH) for the reporting period: \_\_\_\_\_

EPDH from the last three (3) reporting periods: \_\_\_\_\_

EPDH for the last four (4) reporting periods: \_\_\_\_\_

Enter the information for each Unplanned Deration event during the reporting period. Dates and times should be entered to the nearest minute. Duration, size of reduction, maximum rated output, and equivalent hours should be rounded to 1 decimal place.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (C) = (B-A)	Size of Reduction (MW) (D)	Maximum Rated Output (MW) (E)	Equivalent Hours (hrs) (C x D)/E

...					

Total equivalent unplanned derated hours (EUDH) for the reporting period: \_\_\_\_\_

EUDH for the last three (3) reporting periods: \_\_\_\_\_

EUDH for the last four (4) reporting periods: \_\_\_\_\_

Enter the Available Hours, EPDH, EUDH, and Period Hours for the last four (4) reporting periods as calculated above.

AH (A)	EPDH (B)	EUDH (C)	PH (D)	BESS Annual Equivalent Availability Factor $100\% \times (A - B - C)/D$

Enter the information for each Unplanned (Forced Outage) during the reporting period. Dates and times should be entered to the nearest minute. Duration should be rounded to 1 decimal place.

Date/Time Start (A)	Date/Time End (B)	Duration (hrs) (B-A)
...		

Total Forced Outage Hours (FOH) for the reporting period (from above): \_\_\_\_\_

FOH from the last three (3) reporting periods: \_\_\_\_\_

FOH for the last four (4) reporting periods: \_\_\_\_\_

Enter the FOH and EUDH for the last four (4) reporting periods as calculated above.

FOH (A)	EUDH (B)	BESS Annual Equivalent Forced Outage Factor $100\% \times (A + B)/8760$

2. Monthly Report Disagreements.

- (a) Notice of Disagreement With Monthly Report. Within ten (10) Business Days following the close of the calendar month in question, Subscriber Organization shall provide to

Company the Monthly Report for such calendar month and the LD Period, the MPR Assessment Period and the BESS Measurement Period (if any) ending with such calendar month, as provided in Section 1 (Monthly Report) of this Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator). Within ten (10) Business Days after Company's receipt of a Monthly Report, Company shall provide written notice to Subscriber Organization of any Monthly Report Disagreement, including with respect to the data for the calendar month covered by such Monthly Report and Subscriber Organization's calculation of, as applicable, (i) the PV System Equivalent Availability Factor for the LD Period ending with such calendar month, (ii) the MPR for the MPR Assessment Period ending with such calendar month, or (iii) any of the BESS Capacity Ratio, the RTE Ratio, the BESS Annual Equivalent Availability Factor or the BESS Equivalent Forced Outage Factor for the BESS Measurement Period (if any) ending with such calendar month ("Notice of Disagreement"). Together with any such Notice of Disagreement, the Company shall include its own calculations and other support for its position. If Company fails to provide a Notice of Disagreement within said 10-Business Day period, the Monthly Report provided by Subscriber Organization shall be deemed to be accepted by Company and shall no longer be subject to dispute by Company or Subscriber Organization.

(b) [Reserved]

(c) Submission of Monthly Report Disagreement to Independent AF Evaluator. Upon issuance of a Notice of Disagreement, the Parties shall review the contents of the Monthly Report(s) together with such Notice of Disagreement and attempt to resolve such Monthly Report Disagreement. If the Parties are able to agree on a resolution of any Monthly Report Disagreement, the resulting corrected Monthly Report(s) in question shall be set forth in a writing executed by both Parties, following which (i) such corrected Monthly Reports shall no longer be subject to dispute by either Party and (ii) to the extent such resolution of such Monthly Report Disagreement affects future Monthly Reports, such future Monthly Reports shall be prepared, and the PV System Equivalent Availability Factor, the MPR, the BESS Annual Equivalent Factor and the BESS Annual Equivalent Forced Outage Factor in such future Monthly Reports shall be calculated, in a manner consistent with such resolution. If the Parties are unable to resolve such Monthly Report Disagreement within ten (10) Business Days after Company's issuance of such Notice of Monthly Report Disagreement, either Party may, within five (5) Business Days after the end of such 10-Business Day period, submit the unresolved Monthly Report Disagreement to an Independent AF Evaluator for resolution.

(d) [Reserved]

(e) Appointment of Independent AF Evaluator. If either Party decides to submit an unresolved Monthly Report Disagreement to an Independent AF Evaluator, it shall provide written notice to that effect (the "Submission Notice") to the other Party, which notice shall designate which of the engineering firms on the OEPR Consultants List is to act as the Independent AF Evaluator for purposes of resolving such dispute; provided, however, for purposes of facilitating consistency in the resolution of Monthly Report Disagreements, all Monthly Report Disagreements concerning the same Performance Metric arising out of any one or more of the twelve (12) Monthly Reports issued for a given Contract Year shall be submitted to the same Independent AF Evaluator unless such Independent AF Evaluator declines to accept any such submission(s). A Submission Notice must be provided within the 5-Business Day period provided in Section 2(c) (Submission of Monthly Report



Disagreement to Independent AF Evaluator) of this Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator). The Parties shall each pay fifty percent (50%) of the fees and expenses charged by the Independent AF Evaluator.

- (f) Eligibility for Appointment as Independent AF Evaluator. Both Parties agree that the engineering firms listed in Section 4(j) (Acceptable Persons and Entities) of Attachment U (Calculation and Adjustment of Net Energy Potential) are fully qualified to serve as Independent AF Evaluator. By mutual agreement between the Parties in writing, a name or names may be added to or removed from the OEPR Consultants List at any time. In no event shall there be less than three (3) names on the OEPR Consultants List.
- (g) Participation of Parties. Promptly following the issuance of a Submission Notice as provided in Section 2(e) (Appointment of Independent AF Evaluator) of this Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator), Subscriber Organization and Company shall provide the Independent AF Evaluator which such data as they consider to be material to the resolution of the disputed issue(s). Subscriber Organization and Company shall also provide such additional data and information as the Independent AF Evaluator may reasonably request. The Parties shall assist the Independent AF Evaluator throughout the process of resolving such dispute, including making key personnel and records available to the Independent AF Evaluator, but neither Party shall be entitled to participate in any meetings with personnel of the other Party or review of the other Party's records. However, the Independent AF Evaluator will have the right to conduct meetings, hearing or oral arguments in which both Parties are represented.
- (h) Written Decision of Independent AF Evaluator. The terms of engagement with the Independent AF Evaluator shall require the Independent AF Evaluator to issue its written decision resolving the disputed issues submitted to it within the applicable time period set forth below, which time periods are subject to any tolling that may be applicable pursuant to Section 2(i) (Sequence to Resolving Interrelated Disagreements) of this Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator): (a) 30 Days as measured from the issuance of the Submission Notice; or (b) such other time period as the Parties may agree in writing. Unless otherwise agreed by the Parties in writing:
  - (i) for a Performance Metric Disagreement concerning the PV System Equivalent Availability Factor, the written decision of the Independent AF Evaluator shall set forth (aa) for the calendar month in question, the correct values for AH, EPDH, EUDH and PH to be used in calculations under Section 2.5 (PV System Equivalent Availability Factor; Liquidated Damages; Termination Damages) of this Contract as determined by such Independent AF Evaluator if any such values were in dispute and (bb) for the LD Period ending with the calendar month in question, the PV System Equivalent Availability Factor for such LD Period as determined by such Independent AF Evaluator if such PV System Equivalent Availability Factor was in dispute;
  - (ii) for a Performance Metric Disagreement concerning the MPR, the written decision of the Independent AF Evaluator shall set forth (aa) the correct data points from the operational data set for the calendar month in question to be used in the calculation of MPR under Section 2.6(a) (Calculation of Measured Performance Ratio) for the MPR Assessment Periods that include such calendar month if any such data points were in dispute, (bb) if a MPR Test was conducted during the month in question, the correct data points from such MPR Test to be used in the

calculation of MPR under Section 2.6(a) (Calculation of Measured Performance Ratio) of this Contract for the MPR Assessment Periods that include the month preceding the month covered by the Monthly Report in question if any such data points were in dispute and (cc) for the MPR Assessment Period ending with the calendar month in question, the Measured Performance Ratio if such Measured Performance Ratio was in dispute;

- (iii) for a Performance Metric Disagreement concerning the BESS Capacity Ratio or the RTE Ratio, the written decision of the Independent AF Evaluator shall set forth the BESS Capacity Ratio and/or the RTE Ratio for the BESS Measurement Period ending with the calendar month in question;
  - (iv) for a Performance Metric Disagreement concerning the BESS Annual Equivalent Availability Factor, the written decision of the Independent AF Evaluator shall set forth (aa) the correct values to be used for AH, EPDH, EUDH and PH under Attachment H (BESS Annual Equivalent Availability Factor) for the calendar month in question if any such values were in dispute and (bb) the BESS Annual Equivalent Availability Factor for the BESS Measurement Period ending with the calendar month in question if such BESS Annual Equivalent Availability Factor was in dispute; and
  - (v) for a Performance Metric Disagreement concerning the BESS Annual Equivalent Forced Outage Factor, the written decision of the Independent AF Evaluator shall set forth (aa) the correct values for FOH and EUDH under Attachment H (BESS Annual Equivalent Forced Outage Factor) for the calendar month in question if any such values were in dispute and (bb) the BESS Annual Equivalent Forced Outage Factor for the BESS Measurement Period ending with the calendar month in question if such BESS Annual Equivalent Forced Outage Factor was in dispute.
- (i) Sequence for Resolving Interrelated Disagreements. If at the time a Performance Metric Disagreement is submitted to an Independent AF Evaluator pursuant to Section 2(e) (Appointment of Independent AF Evaluator) of this Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) there are one or more other unresolved Performance Metric Disagreements concerning the same Performance Metric and the same LD Period that are pending before a different Independent AF Evaluator, and the resolution of such other Performance Metric Disagreement(s) is necessary to the resolution of the Performance Metric Disagreement that has been newly submitted to a new Independent AF Evaluator as aforesaid, the time period for such new Independent AF Evaluator to issue its written decision resolving such newly submitted Performance Metric Disagreement shall be tolled until such pending Performance Metric Disagreement(s) have been resolved. For avoidance of doubt, it is the intent of the Parties that disagreements over performance ratio data and calculations for a given calendar month or a given BESS Measurement Period shall (i) not be subject to resolution twice and (ii) once resolved, shall not be reopened.
- (j) Final, Conclusive and Binding. The Parties acknowledge the inherent uncertainty in calculating the Performance Metrics, and hereby assume the risk of such uncertainty and waive any right to dispute the qualification of the person or entity appointed as the Independent AF Evaluator pursuant to Section 2(e) (Appointment of Independent AF Evaluator) of this Attachment E (Monthly Reporting and Dispute Resolution by Independent AF Evaluator) and/or the appropriateness of the methodology used by

Independent AF Evaluator in resolving such Performance Metric Disagreements. Without limitation to the generality of the preceding sentence, the decision of the Independent AF Evaluator as to each Performance Metric Disagreement submitted to an Independent AF Evaluator shall be final, conclusive and binding upon Company and Subscriber Organization and shall not be subject to further dispute under Section 17. (Dispute Resolution) of the Contract.

3. Periodic Review of Method of Calculating and Reporting Performance Metric. At least once per Contract Year, Company shall review the method of calculating and reporting Performance Metric under this Contract to determine if other variables should be incorporated into such calculations. Any revisions to the Performance Metric calculations in this Contract shall be mutually agreed to by both Subscriber Organization and Company.
4. Future Changes in Reporting Requirements. Subscriber Organization shall reasonably cooperate with any Company requested revisions to the Monthly Report to include additional data that may be necessary from time to time to enable Company to comply with any new reporting requirements directed by the PUC or otherwise imposed under applicable Laws.

---END---

***[ATTACHMENT F WILL BE REVISED TO REFLECT  
THE RESULTS OF IRS]***

**ATTACHMENT F  
FACILITY OWNED BY SUBSCRIBER ORGANIZATION**

1. The Facility.
  - (a) Drawings, Diagrams, Lists, Settings and As-Builts.
    - (i) Single-Line Drawing, Interface Block Diagram, Relay List, Relay Settings and Trip Scheme. A preliminary single-line drawing (including notes), Interface Block Diagram, relay list, relay settings, and trip scheme of the Facility shall, after Subscriber Organization has obtained prior written consent from Company, be attached to this Contract on the Execution Date as **Exhibit F-5** (Single-Line Drawing and Interface Block Diagram) and **Exhibit F-6** (Relay List and Trip Scheme). A final single-line drawing (including notes), Interface Block Diagram, relay list and trip scheme of the Facility shall, after having obtained prior written consent from Company, be labeled the "Final" Single-Line Drawing, the "Final" Interface Block Diagram and the "Final" Relay List and Trip Scheme and shall supersede **Exhibit F-5** (Single-Line Drawing and Interface Block Diagram) and **Exhibit F-6** (Relay List and Trip Scheme) to this Contract and shall be made a part hereof on the Commercial Operations Date. After the Commercial Operations Date, no changes shall be made to the "Final" Single-Line Drawing, the "Final" Interface Block Diagram and the "Final" Relay List and Trip Scheme without the prior written consent of Subscriber Organization and Company. The single-line drawing shall expressly identify the Point of Interconnection of Facility to Company System.
    - (ii) As-Builts. Subscriber Organization shall provide final as-built drawings of the Subscriber Organization-Owned Interconnection Facilities within 30 Days of the successful completion of the Acceptance Test.
    - (iii) Modeling. Subscriber Organization shall provide the models as set forth in Exhibit F-3.
    - (iv) No Material Changes. Subscriber Organization agrees that no material changes or additions to the Facility as reflected in the "Final" Single-Line Drawing (including notes), the "Final" Interface Block Diagram and the "Final" Relay List and Trip Scheme, shall be made without Subscriber Organization first having obtained prior written consent from Company. The foregoing are subject to changes and additions as part of any Performance Standards Modifications. If Company directs any changes in or additions to the Facility, records and operating procedures that are not part of any Performance Standards Modifications, Company shall specify such changes or additions to Subscriber Organization in writing, and, except in the case of an emergency, Subscriber Organization shall have the opportunity to review and comment upon any such changes or additions in advance.
  - (b) Certain Specifications for the Facility.
    - (i) Subscriber Organization shall furnish, install, operate and maintain the Facility including breakers, relays, switches, synchronizing equipment, monitoring equipment and control and protective devices approved by Company as suitable for parallel operation of the Facility with

Company System. The Facility shall be accessible at all times to authorized Company personnel.

- (ii) The Facility shall include:

**[LIST OF THE FACILITY**

**Examples may include, but are not limited to:**

- **Subscriber Organization-Owned Interconnection Facilities**
- **Substation**
- **Control and monitoring facilities**
- **Transformers**
- **Generating and BESS equipment (as described in Exhibit F-1 of this Attachment)**
- **"Lockable" cabinets or housings suitable for the installation of the Company-Owned Interconnection Facilities located on the Site**
- **Relays and other protective devices**
- **Leased telephone line and/or equipment to facilitate microwave communication]**

- (iii) The Facility shall comply with the following **[includes excerpts of language that may be requested by Company]**:

- A. Subscriber Organization shall install a \_\_\_\_ kV gang operated, load breaking, lockable disconnect switch and all other items for its switching station (relaying, control power transformers, high voltage circuit breaker). Bus connection shall be made to a manually and automatically (via protective relays) operated high-voltage circuit breaker. The high-voltage circuit breaker shall be fitted with bushing style current transformers for metering and relaying. Downstream of the high-voltage circuit breaker, a structure shall be provided for metering transformers. From the high-voltage circuit breaker, another bus connection shall be made to another pole mounted disconnect switch, with surge protection.
- B. Subscriber Organization shall provide within the Subscriber Organization-Owned Interconnection Facilities a separate, fenced area with separate access for Company. Subscriber Organization shall provide all conduits, structures and accessories necessary for Company to install the Revenue Metering Package. Subscriber Organization shall also provide within such area, space for Company to install its communications, supervisory control and data acquisition ("SCADA") equipment (remote terminal unit or equivalent) and certain relaying if necessary for the interconnection. Subscriber Organization shall also provide AC and DC source lines as specified by Company. Subscriber Organization shall provide a telephone line for Company-owned meters. Subscriber Organization shall work with Company to determine an acceptable location and size of the fenced-in area. Subscriber Organization shall provide an acceptable demarcation cabinet on its side of the fence where Subscriber Organization and Company wiring will connect/interface.
- C. Subscriber Organization shall ensure that the Subscriber Organization-Owned Interconnection Facilities have a lockable cabinet for switching station relaying equipment. Subscriber Organization shall select and install relaying equipment acceptable to Company. At a minimum, the relaying equipment will provide over and

under frequency (81) negative phase sequence (46), under voltage (27), over voltage (59), ground over voltage (59G), over current functions (50/51) and direct transfer trip (if required). The settings shall be consistent with the requirements for over/under frequency and voltage ride-through. Subscriber Organization shall install protective relays that operate a lockout relay (86), which in turn will trip the main circuit breaker and not allow it to be reclosed without reset.

D. [RESERVED]

E. Subscriber Organization's equipment also shall provide at a minimum:

- (i) Interface with Company's Telemetry and Control, or designated communications and control interface, to provide telemetry of electrical quantities such as total Facility net MW, MVar, power factor, voltages, currents, and other quantities as identified by the Company;
- (ii) Interface with Company's Telemetry and Control, or designated communications and control interface, to provide status for circuit breakers, reactive devices, switches, and other equipment as identified by the Company;
- (iii) Interface with Company's Telemetry and Control, or designated communications and control interface, to provide control to incrementally raise and lower the voltage target at the point of regulation operating in automatic voltage regulation control;
- (iv) Interface with Company's Telemetry and Control, or designated communications and control interface, to provide the active power control requirements of this Contract. More than one interface may be required if Facility energy components, such as a BESS and variable generation resource are controlled separately by the Company (as in grid-charging BESS);
- (v) Interface with Company's Telemetry and Control, or designated communications and control interface, for the Company to specify control system modes of operation and parameters, for remotely configurable parameters and operating states required under this Contract;
- (vi) For Variable Energy Facilities: Interface with Company's Telemetry and Control, or designated communications and control interface, to provide telemetry of equipment availability and meteorological and production data required under Section 8 (Data and Forecasting) of this Attachment F (Facility Owned by Subscriber Organization) and the Facility's Power Possible.
- (vii) Provision for Loss of Telemetry and Control: If Company's Telemetry and Control, or designated communications and control interface, is unavailable, due to loss of communication link, Telemetry and Control failure, or other event resulting in loss of the remote control by Company, provision must be made for Subscriber Organization to be able to institute via local controls, within 5 minutes (or such other period as Company accepts in writing) of the verbal directive by the Company System Operator, such change in voltage regulation target and real power export or import as directed by the Company System Operator.

F. If Subscriber Organization adds, deletes and/or changes any of its equipment, or changes its design in a manner that would change the characteristics of the equipment and specifications used in the IRS, Subscriber Organization shall be required to obtain Company's prior written approval. If an analysis to revise parts of the IRS is required, Subscriber Organization shall be responsible for the cost of revising those parts of the IRS, and modifying and paying for the cost of the modifications to the Facility and/or the Company-Owned Interconnection Facilities based on the revisions to the IRS.

G. Cybersecurity and Critical Infrastructure Protection.

(i) Security Policies and Documentation. Subscriber Organization shall implement and document security policies and standards in accordance with industry best practices (e.g., aligned with the intent of NERC CIP-003-6 R1) and consistent with Company's security policies and standards. Subscriber Organization shall submit documentation describing the approach, methodology, and design to provide physical and cyber security (i.e., aligned with the intent of NERC CIP-003-6 R2) with its submittal of the design drawings pursuant to Section 1(c) (Design Drawings, Bill of Materials, Relay Settings and Fuse Selection) of Attachment F (Facility Owned by Subscriber Organization) which shall be at least sixty (60) Days prior to the Acceptance Test.

- The design shall meet industry standards and best practices, consistent with the National Institute of Standards and Technology ("NIST") guidelines as indicated in Special Publication 800-53 Rev. 4 "Security and Privacy Controls for Federal Information Systems and Organizations" and Special Publication 800-82 Rev. 2 "Guide to Industrial Control Systems (ICS) Security". The system shall be designed with the criteria to meet applicable compliance requirements and identify areas that are not consistent with NIST guidelines and recommendations.
- The cybersecurity documentation shall include a block diagram of the control system with all external connections clearly described.
- Subscriber Organization shall provide such additional information as Company may reasonably request as part of a security posture assessment.
- Company shall be notified in advance when there is any condition that would compromise physical or cyber security.
- Subscriber Organization shall, at the request of Company or, in the absence of any request from Company, at least annually, provide Company with updated documentation and diagrams including a record of changes.

(ii) Network and Application Security. Subscriber Organization shall implement appropriate network and application security processes and practices commensurate with the level of risk as determined by periodic risk assessments (i.e., aligned with the intent of NERC CIP-005-5):

- Segment and segregate networks and functions, including physical and logical separation between business networks and control system networks (i.e., aligned with the intent of NERC CIP-005-5 R1).
  - Limit unnecessary lateral communications (i.e., aligned with the intent of NERC CIP-005-5 R1).
  - Harden network devices (i.e., aligned with the intent of NERC CIP-007-6 R1).
  - Secure access to infrastructure devices (i.e., aligned with the intent of NERC CIP-004-6 R4).
  - Perform out-of-band (OoB) network management (i.e., aligned with the intent of NERC CIP-005-5 R2).
  - Validate integrity of hardware and software (i.e., aligned with the intent of NERC CIP-010-3 R1 and NERC CIP-006-6 R1 Part 10).
- (iii) Endpoint and Server Security. Subscriber Organization shall implement appropriate endpoint and server security processes and practices commensurate with the level of risk as determined by periodic risk assessments:
- Mechanisms to identify vulnerabilities and apply security patches in a timely manner (i.e., aligned with the intent of NERC CIP-007-6 R2).
  - Malware defense and anti-phishing capabilities (i.e., aligned with the intent of NERC CIP-007-6 R3).
  - Access Controls to enforce the least privilege principle and provide access to resources only for authorized users (i.e., aligned with the intent of NERC CIP-004-6 R4).
  - Secure authentication mechanisms including multi-factor authentication for systems with higher risk exposure (i.e., aligned with the intent of NERC CIP-007-6 R5 and NERC CIP-005-5 R2).
    - Data confidentiality, protection, and encryption technologies for endpoints, servers, and mobile devices (i.e., aligned with the intent of NERC CIP-011-2 R1 and NERC CIP-005-5 R2).

Subscriber Organization shall (consistent with the following sentence) ensure that no malicious software ("Malware") or unauthorized code is introduced into any aspect of the Facility, Interconnection Facilities, the Company Systems interfacing with the Facility and Interconnection Facilities, and any of Subscriber Organization's critical control systems or processes used by Subscriber Organization to provide energy, including the information, data and other materials delivered by or on behalf of Subscriber Organization to Company, (collectively, the "Environment"). Subscriber Organization shall periodically review, analyze and implement improvements to and upgrades of its Malware prevention and detection



programs and processes that are commercially reasonable and consistent with the then current technology industry's standards and, in any case, not less robust than the programs and processes implemented by Subscriber Organization with respect to its own information systems.

- (iv) Cybersecurity Program. Subscriber Organization shall establish and maintain a continuous cybersecurity program (i.e., aligned with the intent of NERC CIP-003-6) that enables the Subscriber Organization (or its designated third party) to:
  - (aa) Define the scope and boundaries, policies, and organizational structure of the cybersecurity program.
  - (bb) Conduct periodic risk assessments to identify the specific threats to and vulnerabilities of the Subscriber Organization's Organization consistent with guidance provided in NIST Special Publication 800-30 Rev. 1 "Guide for Conducting Risk Assessments".
  - (cc) Implement appropriate mitigating controls and training programs and manage resources.
  - (dd) Monitor and periodically test the cybersecurity program to ensure its effectiveness. Subscriber Organization shall review and adjust their cybersecurity program as appropriate for any assessed risks.
  - (ee) Applicability is extended to Cloud Service providers and other third-party services the Subscriber Organization may use.
- (v) Security Monitoring and Incident Response. Company and Subscriber Organization shall collaborate on security monitoring and incident response, define points of contact on both sides, establish monitoring and response procedures, set escalation thresholds, and conduct training (i.e., aligned with the intent of NERC CIP-008-5). Subscriber Organization shall, at the request of Company or, in the absence of any request from Company, at least quarterly, provide Company with a report of the incidents that it has identified and describe measures taken to resolve or mitigate.

In the event that Subscriber Organization discovers or is notified of a breach, potential breach of security, or security incident at Subscriber Organization's Facility or of Subscriber Organization's systems, Subscriber Organization shall immediately (aa) notify Company of such potential, suspected or actual security breach, whether or not such breach has compromised any of Company's confidential information; (bb) investigate and promptly remediate the effects of the breach, whether or not the breach was caused by Subscriber Organization; (cc) cooperate with Company with respect to any such breach or unauthorized access or use; (dd) comply with all applicable privacy and data protection laws governing Company's or any other individual's or entity's data; and (ee) to the extent such breach was caused by Subscriber Organization, provide Company with reasonable assurances satisfactory to Company that such breach, potential breach, or security incident shall not recur. Subscriber Organization shall provide documentation to Company evidencing the length and impact of the

breach. Any remediation of any such breach will be at Subscriber Organization's sole expense.

If malicious software or unauthorized code is found to have been introduced into the Environment, Subscriber Organization will promptly notify Company. Subscriber Organization shall take immediate action to eliminate and remediate the effects of the Malware, at Subscriber Organization's expense. Subscriber Organization shall not modify or otherwise take corrective action with respect to the Company Systems except at Company's request. Subscriber Organization shall promptly report to Company the nature and status of all efforts to isolate and eliminate malicious software or unauthorized code.

- (vi) Monitoring and Audit. Subscriber Organization shall provide information on available audit logs and reports relating to cyber and physical and security (i.e., aligned with the intent of NERC CIP-007-6 R4). Company may audit Subscriber Organization's records to ensure Subscriber Organization's compliance with the terms of this Section 1(b)(iii)G (Cybersecurity and Critical Infrastructure Protection) of this Attachment F (Facility Owned by Subscriber Organization), provided that Company has provided reasonable notice to Subscriber Organization and any such records of Subscriber Organization's will be treated by Company as confidential.
  
- (vii) Contingency Plans. Subscriber Organization shall implement and maintain a business continuity plan, a disaster recovery plan, and an incident response plan ("Contingency Plans" – i.e., aligned with the intent of NERC CIP-009-6) appropriate for the level of risk associated with the Work under this Contract. The Contingency Plans shall be provided to Company upon request. Such Contingency Plans shall be updated to reflect lessons learned from real recovery events.

H. Available Power Production.

- (i) Variable Energy Systems. Subscriber Organization's available power production considering equipment and resource availability (Power Possible) will be determined at any given time using the best-available data and methods for an accurate representation of the amount of active power at the Point of Interconnection.
  
- (ii) Variable Energy Systems Paired with Storage Operated through a Single Active Power Control Interface. For variable energy systems paired with storage operated through a single active power control interface (i.e., charging indirectly controlled through dispatch), Subscriber Organization's available power production considering equipment and resource availability and state of charge of the storage (Power Possible) will be determined at any given time using the best-available data and methods for an accurate representation of the amount of active power at the Point of Interconnection. Telemetry will be provided to indicate

state of charge, including available estimated duration at the current dispatch given state of charge and forecast production.

- (iii) Storage Directly Controlled by the Company. Subscriber Organization's available power production considering state of charge (Power Possible) will be supplied as an accurate representation of the amount of maximum and minimum (negative) available active power at the Point of Interconnection and the duration available at the current dispatch. If the Facility allows for allocation of capacity to different modes of operation (i.e., reservation of capacity for regulation or contingency response), then the available capacity in each allocated region shall be reported individually and controlled separately through separately designated dispatch or active power control interface.
  
- I. For variable resources where Power Possible is derived, in part or in whole, from a measured available variable energy source such as solar or wind: To the extent available, the Parties shall use Subscriber Organization's real time Power Possible communicated to Company through the SCADA System except to the extent that the Potential Energy does not accurately reflect the actual available active power at the Point of Interconnection (plus or minus 0.1 MW). During those periods of time when the SCADA derived Power Possible is unavailable or does not accurately represent the available power production considering equipment and resource availability, the Parties shall use the best available data obtained through commercially reasonable methods to determine the Power Possible. Follow up actions to resolve the discrepancy will be as provided in Section 1(j) (Demonstration of Facility) of this Attachment F (Facility Owned by Subscriber Organization).
  
- J. Subscriber Organization shall reserve space within the Site for possible future installation of Company-owned meteorological equipment (such as wind speed, direction and relative humidity monitors, SODAR and irradiance monitors) and AC and DC source lines for such equipment as may be required depending on the Facility resource type and location. In the event Company decides to install such meteorological equipment: (i) Subscriber Organization shall work with Company to determine an acceptable location for such equipment and any associated wiring, interface or other components; and (ii) Company shall pay for the needed equipment, and installation of such equipment, unless otherwise agreed to by the Parties. Company and Subscriber Organization shall use commercially reasonable efforts to facilitate installation and minimize interference with the operation of the Facility.
  
- K. The Facility shall, at a minimum, satisfy the wind load and seismic load requirements of the International Building Code and any more stringent requirements imposed under applicable Laws.
  
- (c) Design Drawings, Bill of Material, Relay Settings and Fuse Selection. Subscriber Organization shall provide to Company for its review the design drawings, Bill of Material, relay settings and fuse selection for the Facility, and Company shall have the right, but not the obligation, to specify the type of electrical equipment, the interconnection wiring, the type of protective relaying equipment, including, but not limited to, the control circuits connected to it and the disconnecting devices, and the settings that affect the reliability and safety of operation of Company's and Subscriber Organization's interconnected system. Subscriber Organization shall provide the relay settings and protection coordination study, including fuse selection and AC/DC Schematic Trip Scheme (part of design drawings), for the Facility

to Company during the 60% design. Company, at its option, may, with reasonable frequency, witness Subscriber Organization's operation of control, synchronizing, and protection schemes and shall have the right to periodically re-specify the settings. Subscriber Organization shall utilize relay settings prescribed by Company, which may be changed over time as Company System requirements change.

- (d) Disconnect Device. Subscriber Organization shall provide a manually operated disconnect device which provides a visible break to separate Facility from Company System. Such disconnect device shall be lockable in the OPEN position and be readily accessible to Company personnel at all times.
- (e) Other Equipment. Subscriber Organization shall install, own and maintain the infrastructure associated with the Revenue Metering Package, including but not limited to all enclosures (meter cabinets, meter pedestals, meter sockets, pull boxes, and junction boxes, along with their grounding/bonding connections), CT/PT mounting structures, conduits and ductlines, enclosure support structures, ground buses, pads, test switches, terminal blocks, isolation relays, telephone surge suppressors, and analog phone lines (one per meter), subject to Company's review and approval.
- (f) Maintenance Plan. Subscriber Organization shall maintain Subscriber Organization-Owned Interconnection Facilities in accordance with Good Engineering and Operating Practices.
- (g) Active Power Control Interface. **[COMPANY TO REVISE THIS SECTION BASED ON SPECIFICS OF THE PROJECT.]**
  - (i) Subscriber Organization shall provide and maintain in good working order all equipment, computers and software associated with the control system (the "Active Power Control Interface") necessary to interface the Facility active power controls with the Company System Operations Control Center for real power control of the Facility by the Company System Operator.

The detailed design will be tailored to the specific resource type and configuration to achieve the functional requirements of the Facility.

The Active Power Control Interface will be used to control the net real power export (or import, as applicable) from the Facility for load following, system balancing, energy arbitrage, and/or supplemental frequency control as required under this Attachment F (Facility Owned by Subscriber Organization).

For variable resources paired with storage: The implementation of the Active Power Control Interface will allow the Company System Operator to control the net real power export (or import, as applicable) from the entire Facility, up to Power Possible, remotely from the Company System Operations Control Center through control signals from the Company System Operations Control Center. The Facility will maintain the power level specified by the Company through the variable resource and BESS available energy, subject to the availability of resource and BESS State of Charge.

For facilities with grid charging storage, the Active Power Control interface may also direct the charging/discharging of energy from the BESS.

The Facility real power output (or import, if storage charging is enabled) will automatically adjust to a change in frequency in accordance with the frequency response requirements provided in this Attachment F (Facility Owned by Subscriber Organization).

- (ii) Company shall review and provide prior written approval of the design for the Active Power Control Interface to ensure compatibility with Company's centralized control systems and use of Facility available energy and storage capabilities. To ensure such continued compatibility, Subscriber Organization shall not materially change the approved design without Company's prior review and written approval. This will include design description and parameters for the Subscriber Organization's control system(s), which determine provision of net real power from the variable resource System (i.e., wind or PV) and/or the BESS storage, and charging of the BESS storage, in response to the Active Power Control signal or signals.
- (iii) The Active Power Control Interface shall include, but not be limited to, a demarcation cabinet, ancillary equipment and software necessary for Subscriber Organization to connect to Company's Telemetry and Control, located in Company's portion of the Facility switching station which shall provide the control signals to the Facility and send feedback status to the Company System Operations Control Center. The control type shall be analog output (set point) or raise/lower controls and will be established by the Company prior to final design approval.
- (iv) The Active Power Control Interface shall also include provision for feedback points from the Facility indicating when active power target in MW for the Active Power Control signal(s). The Facility shall provide the MW target feedback to the Company SCADA system immediately upon receiving the respective control signal from the Company.
- (v) Subscriber Organization shall provide to the telemetry interface analogs for the gross production of the energy resource(s) at the Facility (for example, DC or AC MW production of the variable resource generator(s), depending on design; gross DC MW of the BESS, etc.). Subscriber Organization shall also provide the total net AC MW production at the Point of Interconnection.
- (vi) The Active Power Control Interface shall provide for remote control of the real power output of the Facility by the Company at all times. If the Active Power Control Interface is unavailable or disabled, the Facility may not export electric energy to Company and the Facility shall be deemed to be in Subscriber Organization-Attributable Non-Generation status, unless the Company, in its sole discretion, agrees on an alternate means of dispatch. If Subscriber Organization fails to provide such remote control capability (whether temporarily or throughout the Term), then, notwithstanding any other provision of this Attachment F (Facility Owned by Subscriber Organization), Company shall have the right to derate or disconnect the entire Facility during those periods that such control capability is not provided and the Facility shall be deemed to be in Subscriber Organization-Attributable Non-Generation status for such periods.
- (vii) The rate at which the Facility changes net real power in response to the active power control shall not be less than the greater of 2 MW per minute or 10% of the Facility capacity per minute, and shall make available through agreed parameters, such faster ramp as the installed equipment can support. The Facility's Active Power Control Interface will be used by Company to control the rate at which electric energy is changed to achieve the active power limit for load-following and regulation. The Facility will respond to the active power control request immediately with an echo of the set point and measurable change within the 4 second control cycle.

(viii) The Facility shall accept the following controls related to active power and frequency response to or from the Company centralized control system:

- Power Reference Setpoint from Company (based on the input to the Facility, from the Active Power Control Interface): The Facility output shall match this setting from the Variable Resource and/or BESS so long as it can be supported by the variable resource and/or BESS State of Charge (Power Possible does not change). This net output should be accurate within +/- 0.1 MW under normal frequency conditions. This setpoint will be modified as appropriate in the controls by the appropriate frequency response consistent with Section 1(g)(xi) (Active Power – Frequency Response (DROOP)), Section 1(g)(xii) (Dynamic Active Power – Frequency Performance), and **[FOR FACILITIES WITH STORAGE]** Section 1(g)(xiii) (Alternate Active Power / Frequency Response Modes) of this Attachment F (Facility Owned by Subscriber Organization).
- For variable energy resources: The Facility shall include Variable Resource Enable/Disable control. When "Disable" is selected, the Facility shall ramp down, shutdown, and leave offline variable resource generators. When "Enable" is selected, the Facility variable resource generators can start up, ramp up, and remain in normal operations subject to Company active power dispatch.
- From Company: Frequency Response Mode (DROOP, FFR, isochronous) state (where alternate modes of operation are required).
- From Subscriber Organization:
  - [For Facilities with a BESS and where required]: Capacity allocation to each mode of operation where ability to allocate capacity to different modes of operation is required (e.g., to allocate a portion of capacity to fast frequency response) and telemetered data and controls necessary to determine state of charge and gross MW and Mvar contribution, etc., operationally required for each segmented use.
  - Power Possible (Available maximum capacity): See above, instantaneous limit for available energy, represents max level the Facility can produce under present resource, BESS State of Charge (if applicable) and equipment conditions. This is used as upper limit for Company Dispatch.
  - For variable energy resources, maximum level the variable generation resources can produce under present variable resource and equipment conditions.
  - Minimum Sustained Limit: Minimum output level the Facility can be reduced to continuously without delay (ecomn). For projects with BESS: If BESS charging from the grid is permitted, and charging capacity is available, this will be a negative value.
  - Minimum Transient Limit (for frequency response, regulation) (lfcmm). For projects with BESS: If BESS charging from the grid is permitted, and charging capacity is available, this will be a negative value.
  - Maximum Dispatchable Ramp Rate: Controlled ramp rate available for controlled changes in output.

- For projects with a BESS, Subscriber Organization shall also provide the following:
  - BESS potential (BESS State of Charge and projected number of hours at present dispatch, minimum dispatch, and maximum dispatch).
  - Frequency Response Mode (DROOP, FFR, isochronous) state (where alternate modes of operation are required).
  - Capacity allocation to each mode of operation (to allow FFR and Droop allocation).
- (ix) Subscriber Organization shall not override Company's active power controls without first obtaining specific approval to do so from the Company System Operator unless there is a system emergency. Disabling of the remote Active Power Control shall initiate telemetry notification to the Company.
- (x) The requirements of the Active Power Control Interface may be modified as mutually agreed upon in writing by the Parties.

**Active Power Communications between Company and Subscriber Organization**

Company will receive and send AGC Set-Point and related data through the communications interface in accordance with Company standards. The data points covered under this Contract, as described below, may overlap with data requirements described elsewhere.

**AGC Data Points to be sent from Subscriber Organization to Company via SCADA**

The following data points will be transmitted via SCADA from Subscriber Organization to Company and represent Facility level data **[Note: May be modified based on resource type and Facility requirements]:**

<u>Description</u>	<u>Units</u>
AGC Set-Point (echo)	MW
Power demand	MW
Actual power	MW
Power Possible	MW
Actual reactive power	Mvars
Average Voltage	Kv
Variable Generation potential	MW
[Wind only] Number of turbines online and running	Integer
BESS State of Charge	Pct
[PV only] Inverters online	Integer
Facility duration at current output	HRS
AGC Status	Remote/Local
facilities with alternate modes of frequency response] Indication of	Integer

Response Mode	FFR, Droop, ISOCH
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**Response times and limitations of Facility in regards to Active Power Control**

The following protocols outline the expectations for responding to the AGC Set-Point.

Frequency of Changes. Company may send a new AGC Set-Point to the Facility at up to the AGC control cycle (present 4 seconds).

Range of AGC Set-Point. The range of set point values can be between 0% and 100% of Power Possible. For projects offering grid-charging storage, negative set-point values may be required.

**Backup Communications**

In the event of an AGC failure, Company and Subscriber Organization shall communicate via telephone, or other method mutually agreeable between the Parties, in order to correct the failure.

(xi) Active Power - Frequency Response (DROOP).

The Facility shall provide a primary frequency response with a frequency droop characteristic reacting to system frequency at the Point of Interconnection in both the overfrequency and underfrequency directions except as limited by the minimum and maximum available capacity and energy potential at the time of the event including BESS state of charge. This response must be timely and sustained rather than injected for a short period and then withdrawn. For over-frequency events, response may include absorption through charging (as applicable under the terms of this Contract). Subscriber Organization shall provide minimum operational limits for each online resource and the Facility for primary frequency response.

Frequency will be calculated over a period of time (e.g., three to six cycles, or other period as specified by Company), and filtered to take control action on the fundamental frequency component of the calculated signal. Calculated frequency may not be susceptible to spikes caused by phase jumps on the Company system.

The active power-frequency control system, and overall response of the inverter-based resource (plant), must meet the following performance aspects (see figure below):

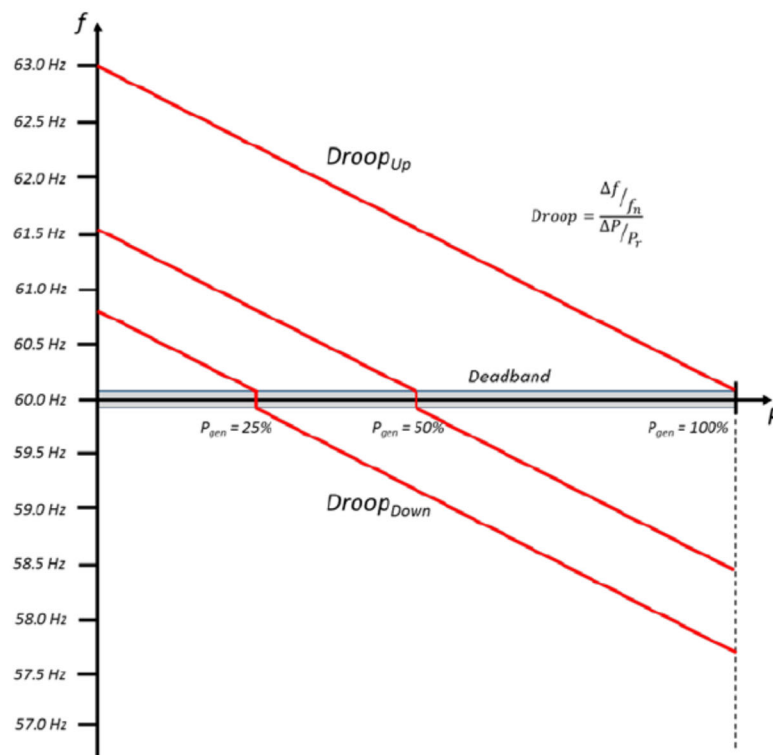
The active power-frequency control system shall have an adjustable proportional droop characteristic with a default value of [4%] percent. The droop setting shall permit a setting from 0.1% to 10%. This setting shall be changed upon Company's written request as necessary for grid droop response coordination. The droop setting shall be tunable and may be specified during commissioning. The droop shall be a permanent value based on Pmax (maximum nominal active power output of the plant) and Pmin (typically 0 for an inverter based resource). This keeps the proportional droop constant across the full range of operation. The curve for an inverter-based BESS may include the negative active power quadrant of this curve. The droop response must include the capability to respond in both the upward (underfrequency) and downward (overfrequency) directions. Frequency droop will be based on the difference



between maximum nameplate active power output (Pmax) and zero output (Pmin) such that the [4%] percent droop line is always constant for a resource.

Subscriber Organization shall make commercially reasonable efforts to provide frequency response without a deadband, but in any case, not to exceed +/- 0.0166 Hz. If the active power-frequency control system has a deadband, it shall be a nonstep deadband that is adjustable between 0 Hz and the full frequency range of the droop characteristic with a default value not to exceed ± 0.036 Hz. (Nonstep deadband is where the change in active power output starts from zero deviation on either side of the deadband.) (Frequency deadband is the range of frequencies in which the unit does not change active power output.)

Inverter-based resources may consider a small hysteresis characteristic where linear droop meets any deadband to reduce dithering of inverter output when operating near the edges of the deadband. The hysteresis range may not exceed ± 0.005 Hz on either side of the deadband. If measurement resolution is not sufficient to measure this frequency, hysteresis may not be used.



### Active Power - Frequency Control Characteristic

Nominal System Frequency is 60.00 Hz.

The closed-loop dynamic response of the active power-frequency control system of the overall inverter-based resources, as measured at the POI must have the capability to meet or exceed the performance specified in below. Subscriber Organization shall ensure that the models and parameters for the resources and control equipment are consistent with those provided during

the IRS process and that any updates have been provided to the Company reflecting currently implemented settings and configuration.

(xii) Dynamic Active Power-Frequency Performance.

For a step change in frequency at the point of measure of the inverter-based resource **[NOTE - MAY BE ADJUSTED AS THE RESULT OF IRS]:**

Reaction time: The time between a step change in frequency and the time when the resource active power output begins responding to the change shall be less than 500 Ms, or as otherwise specified by Company.<sup>1</sup>

Rise time: The time when the resource has reached 90% of the new steady-state (target) active power output shall be less than 4 seconds, or as otherwise specified by Company.<sup>2</sup>

Settling Time: Time in which the resource has entered into, and remains within, the settling band of the new steady-state active power (target) output shall be less than 10 seconds, or as otherwise specified by Company.

Overshoot: Percentage of the rated active power output that the resource can exceed while reaching the settling band shall be less than 5% or as otherwise specified by Company.<sup>3</sup>

Settling Band: Percentage of rated active power output that the resource should settle to within the settling time shall be less than 2.5%.

When operating in parallel with the Company System, the Facility shall operate with its primary frequency response control in automatic operation and in accordance with Company directions. Notification of changes in the status of the frequency response controls and, where applicable, mode of operation must be provided to the Company System Operator immediately through SCADA telemetry indication.

The Facility frequency response control shall adjust, without intentional delay and without regard to the ramp rate limits in Section 3(c) (Ramp Rates) of this Attachment F (Facility Owned by Subscriber Organization), the Facility's net real power export based on frequency deadband and frequency droop settings specified by the Company.

The Facility frequency response control shall increase the net real power export above the Power Reference Setpoint set under Section 1(g)(viii) of this Attachment F (Facility Owned by Subscriber Organization) or further decrease the net real power export from the Power Reference Limit in its operations in accordance with the frequency response settings.

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<sup>1</sup> Time between step change in frequency and the time to 10 percent of new steady-state value can be used as a proxy for determining this time.

<sup>2</sup> Percentage based on final (expected) settling value.

<sup>3</sup> Percentage based on final (expected) settling value.

The Facility frequency response control shall be in continuous operation unless directed otherwise by the Company.

(xiii) **[FOR FACILITIES WITH STORAGE]**. Alternate Active Power/ Frequency Response Modes. The Facility will provide the capability to supply isochronous or fast frequency response modes of operation, in addition to normal droop, which can be set remotely or locally. The control design shall allow for a bumpless transfer between modes of operation.

- A. **Fast Frequency Response (FFR):** This mode of operation will permit the Facility to respond to system frequency disturbances with a fast charge/discharge response in accordance with the frequency response droop settings. In this mode of operation, the Facility frequency response is configured to provide fast frequency response, as an alternative setting to the typical steady-state frequency response. When in this mode of operation, the frequency droop characteristics are configured to charge or discharge with a different set of parameters to allow for a faster and larger proportional charge and discharge in response to frequency changes outside of the configurable deadband. The initial parameter settings will be specified by Company following the IRS, and additional tuning and adjustment of configurable parameters may be required based on review of response to actual system events. When in FFR mode, when system frequency is within the fast frequency response deadband, the Facility will operate to maintain a percentage state of charge, which is configurable on Company request (i.e., 50%), managed at a charging/discharging rate also specified by Company.
- B. **Isochronous / Black Start:** The Facility will be capable of operating in a zero droop (isochronous) mode of operation. When in this mode of operation, the frequency droop characteristic will be configured as needed to keep system frequency at a target. In a black start configuration, the target shall be 60 Hz. If isochronous is specified while in operation, the target shall be initialized to the grid frequency and the target increased or decreased from the Company System through the control interface.

(h) Control System Acceptance Test Procedures.

- (i) Conditions Precedent. The following conditions precedent must be satisfied prior to conducting the Control System Acceptance Test:
- Successful completion of the Acceptance Test.
  - Facility has been successfully energized.
  - All of the Facility's generators (as applicable) have been fully commissioned.
  - The control system computer has been programmed for normal operations.
  - All equipment that is relied upon for normal operations (including ancillary devices such as capacitors/inductors, energy storage device, statcom, etc.) shall have been commissioned and be operating within normal parameters.
- (ii) Facility Energy Equipment. In the event that all or any portion of the Facility's energy equipment is not available for the duration of the Control System Acceptance Test, the Control System Acceptance Test will have to be re-run from the beginning unless Subscriber Organization demonstrates to the satisfaction of the Company that the test

results attained are consistent with the results that would have been attained if all of the equipment had been available for the duration of the test.

- (iii) Procedures. The Control System Acceptance Test will be conducted on Business Days during normal working hours on a mutually agreed upon schedule. No Control System Acceptance Test will be scheduled during the final 21 Days of a calendar year. No later than thirty (30) Days prior to conducting the Control System Acceptance Test, Company and Subscriber Organization shall agree on a written protocol setting out the detailed procedure and criteria for passing the Control System Acceptance Test.. Within fifteen (15) Business Days of completion of the Control System Acceptance Test, Company shall notify Subscriber Organization in writing whether the Control System Acceptance Test(s) has been passed and, if so, the date upon which such Control System Acceptance Test(s) was passed. If any changes have been made to the technical specifications of the Facility or the design of the Facility in accordance with Section 5(f) of Exhibit F-1 (Description of Generation, Conversion and Storage Facility), such changes shall be reflected in an amendment to this Contract. Such amendment shall be executed prior to conducting the Control System Acceptance Test and Company shall have no obligation for any delay in performing the Control Systems Acceptance Test due to the need to complete and execute such amendment.
- (i) Facility Security and Maintenance. Subscriber Organization is responsible for securing the Facility. Subscriber Organization shall have personnel available to respond to all calls related to security incidents and shall take commercially reasonable efforts to prevent any security incidents. Subscriber Organization is also responsible for maintaining the Facility, including vegetation management, to prevent security breaches. Subscriber Organization shall comply with all commercially reasonable requests of Company to update security and/or maintenance if required to prevent security breaches.
- (j) Demonstration of Facility. Company shall have the right at any time, other than during maintenance or other special conditions, communicated by Subscriber Organization, to notify Subscriber Organization in writing of Subscriber Organization's failure, as observed by Company and set forth in such written notice, to meet the operational and performance requirements specified in Section 1(b)(iii)(I), Section 1(g) (Active Power Control Interface) and Section 3 (Performance Standards) of this Attachment F (Facility Owned by Subscriber Organization), and to require documentation or testing to verify compliance with such requirements. Upon receipt of such notice, Subscriber Organization shall promptly investigate the matter, implement corrective action and provide to Company, within thirty (30) Days of such notice, a written report of both the results of such investigation and the corrective action taken by Subscriber Organization; provided, that, if thirty (30) Days is not a reasonable time period to investigate the matter, implement corrective action and provide such written report, Subscriber Organization shall complete the foregoing within such longer commercially reasonable period of time agreed to by the Parties in writing. If the Subscriber Organization's report does not resolve the issue to Company's reasonable satisfaction, the Parties shall promptly commission a study to be performed by one of the engineering firms then included on the Qualified Independent Third-Party Consultants List attached to the Contract as Exhibit F-2 (Consultants List) to evaluate the cause of the non-compliance and to make recommendations to remedy such non-compliance. Subscriber Organization shall pay for the cost of the study. The study shall be completed within ninety (90) Days, unless the selected consultant determines such study cannot reasonably be completed within ninety (90) Days, in which case, such longer period of time as the selected consultant determines is necessary to complete such study shall apply. The consultant shall send the study to Company and Subscriber Organization. Subscriber Organization (and/or its Third-Party consultants and contractors), at Subscriber Organization's expense, shall take such action as the study shall recommend with the objective of resolving the non-compliance. Such recommendations shall be implemented by Subscriber

Organization to Company's reasonable satisfaction no later than forty-five (45) Days from the Day the completed study is issued by the consultant, unless such recommendations cannot reasonably be implemented within forty-five (45) Days, in which case, Subscriber Organization shall implement such recommendations within such longer commercially reasonable period of time agreed to by the Parties in writing. Failure to implement such recommendations within this period shall constitute a material breach of this Contract. Unless the aforementioned written report and study are being completed, and any recommendations are being implemented, solely to address Subscriber Organization's failure to satisfy the requirements of Section 3(w) (Round Trip Efficiency) of this Attachment F (Facility Owned by Subscriber Organization), the Company shall have the right to declare the Facility derated and in Subscriber Organization-Attributable Non-Generation status until the Subscriber Organization's aforementioned written report has been completed, any subsequent study commissioned by the Parties has been completed and any recommendations to resolve the non-compliance have been implemented to Company's reasonable satisfaction.

2. **Operating Procedures.** [NOTE: NUMERICAL SPECIFICATIONS IN THIS SECTION 2 MAY VARY DEPENDING ON THE SPECIFIC PROJECT AND THE RESULTS OF THE PROJECT-SPECIFIC INTERCONNECTION REQUIREMENT STUDY.]
- (a) Reviews of the Facility. Company may require periodic reviews of the Facility, maintenance records, available operating procedures and policies, and relay settings, and Subscriber Organization shall implement changes Company deems necessary for parallel operation or to protect the Company System from damages resulting from the parallel operation of the Facility with the Company System.
  - (b) Separation. Subscriber Organization must separate from Company System whenever requested to do so by the Company System Operator pursuant to Section 5 (Company Dispatch) and Section 9 (Personnel and System Safety) of the Contract.
  - (c) Subscriber Organization Logs. Logs shall be kept by Subscriber Organization for information on unit availability including reasons for planned and forced outages, circuit breaker trip operations, relay operations, including target initiation, and other unusual events. Company shall have the right to review these logs, especially in analyzing system disturbances. Subscriber Organization shall maintain such records for a period of not less than six (6) years.
  - (d) Reclosing and Return to Service. Under no circumstances shall Subscriber Organization, when separated from the Company System for any reason, including tripping during disturbances or due to equipment failure, reclose into the Company System without first obtaining specific approval to do so from the Company System Operator. Ramp rates, behavior and mode of operation upon return to service shall conform to verbal instructions from the System Operator or Active Power control from Company. Following "system black" conditions, the Facility shall not attempt to automatically reconnect to the grid (unless directed by the Company System Operator) so as to not interfere with blackstart procedures.
  - (e) Reserved.
  - (f) Reserved.
  - (g) Critical Infrastructure Protection. Subscriber Organization shall comply with the critical infrastructure protection requirements set forth in Section 1(b)(iii)(G) of this Attachment F (Facility Owned by Subscriber Organization).

- (h) Allowed Operations. Facility shall be allowed to export energy to the Company System only when the [ ] circuit is in normal operating configuration served by breaker [ ] at [ ] Substation. **[TO BE DETERMINED BY COMPANY BASED ON THE RESULTS AND REQUIREMENTS OF THE IRS]**

3. **Performance Standards. [NOTE: FACILITIES CONNECTING TO THE DISTRIBUTION SHALL FOLLOW THE PERFORMANCE STANDARDS FOR DISTRIBUTION SET FORTH BELOW. FACILITIES CONNECTING TO THE SUB-TRANSMISSION SHALL FOLLOW THE PERFORMANCE STANDARDS FOR SUB-TRANSMISSION SET FORTH BELOW.]**

**PROVISIONS FOR DISTRIBUTION CONNECTION (THESE WILL BE DELETED IF FACILITY IS CONNECTING TO SUB-TRANSMISSION)**

- (a) Rule 14H. The Facility shall follow the performance standards of Rule 14H Appendix I and the additional provisions set forth below in Section 3(b) (Voltage Ride-Through) through Section 3(g) (Unintentional Islanding). To the extent any of those additional provisions conflict with Rule 14H, the additional provisions of Section 3(b) through Section 3(g) shall control.
- (b) Voltage Ride-Through. Whenever the utility Distribution System voltage at the Point of Interconnection varies from and remains outside the normal operating high and normal operating low region voltage for the predetermined parameters set forth in Table 4A-1.1. The Facility’s protective functions shall cause the Facility’s Advanced Inverter(s) to Cease to Energize the utility Distribution System. Unless provided alternate settings by the Company, the Facility must comply with the voltage ride-through and trip settings specified in Table 4A-1.1:
1. The Facility shall stay connected to the utility Distribution System while the grid remains within the “Ride-Through Until” voltage-time range and must operate in accordance with the “Operating Mode” specified for each “Operating Region”.
  2. In the Continuous Operation region, the Facility’s Advanced Inverter shall reduce power output as a function of voltage, in accordance with section (iv) Volt-Watt of Rule 14H.
  3. Different settings than those specified in Table 4A-1.1 may be specified by the Company

Table 4A-1.1: Voltage Ride-Through Table

Operating Region	Voltage at Point of Interconnection (% of Nominal Voltage)	Operating Mode	Ride-Through Until	Maximum Trip
OV2	$V > 120$	Cease to Energize	N/A	0.16 (1)
OV1	$120 \geq V > 110$		.92	1
CO	$110 \geq V > 100$	Continuous Operation (Volt-Watt)	N/A	N/A
CO	$100 > V \geq 88$	Continuous Operation	N/A	N/A
UV1	$88 > V \geq 70$	Mandatory Operation	20	21

<b>UV2</b>	$70 > V \geq 50$	Mandatory Operation	10-20	11-21 <sup>(2)</sup>
<b>UV3</b>	$50 > V$	Momentary Cessation	N/A	2

(1) Must trip time under steady state condition. Inverters will also be required to meet the Company’s Transient Overvoltage criterion (TrOV-2) or Limitation of overvoltage contribution requirement stated in IEEE 1547-2018 (or latest version), "IEEE Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power System Interfaces." Ride-Through shall not inhibit TrOV-2 or limitation of overvoltage contribution of IEEE 1547-2018 requirements.

(2) May be adjusted within these ranges at manufacturer's discretion.

(c) Fault Ride Through. For fault-related voltage dips at the Point of Interconnection that stay within the limits of the under voltage ride-through requirements in Section 3(b) (Voltage Ride-Through), upon clearing of the fault, Subscriber Organization shall within 1 second of restoration, provide at least 90% of the real power output at the point of interconnection immediately before the fault to the extent allowed by the availability of the solar resource. The fault ride through requirement does not apply if the Generating Facility is operating at less than five percent (5%) of the Generating Facility's nameplate capacity.

(d) Grid Forming Capabilities. **[NOTE APPLICABILITY BASED ON RESOURCE TYPE AND DESIGN, FOR PV INVERTER BASED RESOURCES PAIRED WITH STORAGE]** Subscriber Organization Facility inverters shall be capable of operating in grid forming mode supporting system operation under normal and emergency conditions without relying on the characteristics of synchronous machines. This includes operation as a current independent AC voltage source during normal and transient conditions (as long as no limits are reached within the inverter) and the ability to synchronize to other voltage sources or operate autonomously if a grid reference is unavailable.

(i) Subscriber Organization shall operate the Facility in grid forming mode only as directed by the Company System Operator, in its sole discretion. Such mode of operation shall be indicated to the Company System Operator through telemetry.

(i i) The Facility shall include safeguards to prevent the unintentional switching of the Facility into and out of grid forming mode. The safeguards shall be approved in writing by the Company and implemented by the Subscriber Organization prior to control system testing.

(e) Black Start Capability. **[NOTE - APPLICABILITY BASED ON RESOURCE TYPE AND DESIGN, FOR PV INVERTER BASED RESOURCES PAIRED WITH STORAGE]** The BESS shall be capable of grid forming inverter capability so it can generate its own AC waveform rather than relying on a grid voltage to synchronize and maintain frequency. Further, inverter-based resources shall ensure they have sufficient energy storage to maintain power injection to the grid during system restoration (i.e., have power available when and if called upon). Inverter based facilities should be capable of support as a black start cranking path to start synchronous generators for restoration.

(f) Frequency Response. Subscriber Organization shall comply with the requirements of Section 1(g)(xi) (Frequency Response (DROOP)), Section 1(g)(xii) (Dynamic Active Power – Frequency Performance), and **[FOR FACILITIES WITH STORAGE]** Section 1(g)(xiii) (Alternate Active Power / Frequency Response Modes) of this Attachment F (Facility Owned by Subscriber Organization).

- (g) Unintentional Islanding. A Facility's inverters shall be certified to meet the unintentional islanding requirement stated in IEEE 1547-2018 (or latest version), "IEEE Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power System Interfaces." Ride through requirements specified herein shall not inhibit the islanding detection performance where a valid unintentional islanding condition exists.

**PERFORMANCE STANDARDS FOR SUB-TRANSMISSION (THESE WILL BE DELETED IF FACILITY IS CONNECTING TO DISTRIBUTION)**

- (a) Reactive Power Control. Subscriber Organization shall control its reactive power by automatic voltage regulation control. Subscriber Organization shall automatically regulate voltage at a point, the point of regulation, between the Subscriber Organization's generator terminal and the Point of Interconnection to be specified by Company, to within 0.5% of a voltage or power factor specified by the Company System Operator to the extent allowed by the Facility reactive power capabilities as defined in Section 3(b) (Reactive Power Characteristics) of this Attachment F (Facility Owned by Subscriber Organization).
- (b) Reactive Power Characteristics. **[THESE REQUIREMENTS MAY BE CHANGED BY COMPANY UPON COMPLETION OF THE IRS.]**
- (i) The Facility must deliver power up to the Allowed Capacity (MW) at a power factor between 95% lagging and 95% leading to the Company System as illustrated in the [generator capability] curve(s) attached to this Contract as Exhibit F-4, which represents the Facility Composite (Generator and Energy Storage Capability Curve(s)). Facilities with a BESS with grid charging can operate with negative active power. These facilities shall provide automatic voltage control within their reactive capability while acting as a load (charging, negative active power generation). The automatic voltage control aspects of a BESS shall be seamless across the transition from acting as a generating resource to acting as a load. The Facility must be capable of automatically adjusting reactive control to maintain the bus voltage at the Point of Interconnection to meet the scheduled voltage set point target specified by the Company System Operator and be capable of supplying reactive power at the leading/lagging 0.95 power factor at all active power outputs down to zero active power. The voltage target will be specified remotely by the Company System Operator through the SCADA/EMS. The Facility's voltage set point target must reflect the Company voltage set point target controlled from the SCADA/EMS, without delay. The Facility should not normally operate on a fixed var or fixed power factor unless agreed by Company. The voltage setpoint target and present Facility minimum and maximum reactive power limits based on the Facility Composite capability curve shall be provided to the Company EMS through Company's Telemetry and Control.
- (ii) The Facility shall contain equipment able to continuously and actively control the output of reactive power under automatic voltage regulation control reacting to system voltage changes. The response requirements are differentiated for large and small signal disturbance performance characteristics. Small signal disturbances are those that reflect normal variations under non-disturbance conditions, the continuous operation range for voltage ride through:  $0.80 \text{ pu} \leq V \leq 1.00 \text{ pu}$  at the point of interconnection. Large disturbance is where the voltage at the point of interconnection falls outside the continuous operating range.
1. For small signal disturbances, reaction time between the step change in voltage and the reactive power change shall be less than 500 msec (no intentional time delay). The automatic voltage



regulation response speed at the point of regulation shall be such that at least 90% of the initial voltage correction needed to reach the voltage control target will be achieved within 1 second following a step change. The percentage of rated reactive power output that the resource can exceed while reaching the settling band shall be less than five percent (5%).

2. Large disturbances: Large disturbances are characterized by voltage falling outside of the continuous operating range. The Facility shall adhere to the following characteristics for large disturbances:

The response of each generating resource over its full operating range and for all expected grid conditions should be stable. The dynamic performance of each resource should be tuned to provide this stable response. Company will work with Subscriber Organization to ensure during the interconnection process that each resource supports Company System reliability and provides a stable transient response to grid events. **[Note - The performance specifications described here may need to be modified based on studies performed for specific interconnections to provide a stable response.]**

Inverter-based resources shall operate in closed loop automatic voltage control at all times to support voltage regulation and voltage stability. Either the individual inverters or the plant-level closed loop automatic voltage controller must operate with a relatively fast response characteristic to mitigate steady-state voltage issues from causing dynamic voltage collapse. The plant-level controller may send voltage or reactive power set point changes to the individual inverters relatively fast, or the inverters will respond locally (depending on control architecture).

For a large disturbance step in voltage, measured at the inverter terminals, where voltage falls outside the continuous operating range, the positive sequence component of the inverter reactive current response must meet the performance specifications set forth below. These parameters may be adjusted following additional study and/or operational testing and performance.

Reaction time: Time between the step change in voltage and when the resource reactive power output begins responding to the change. The reaction time shall be less than 16 msec.

Rise time: Time between a step change in control signal input and when the reactive power output changes by 90 percent of its final value. The rise time shall be less than 100 msec.

Overshoot: Percentage of rated reactive current output that the resource can exceed when reaching the settling band. Overshoot will be determined following the IRS such that any overshoot in reactive power response does not cause Company System voltages to exceed acceptable voltage limits. The magnitude of the dynamic response may be requested to be reduced based on stability studies or actual operational data review.

If the Facility does not operate in accordance with Section 3(b) of this Attachment F (Facility Owned by Subscriber Organization), Company may disconnect all or a part of Facility from Company System until Subscriber Organization corrects its operation (such as by installing supplemental reactive power equipment or additional control modifications, at Subscriber Organization's expense).

(c) Ramp Rates.

Subscriber Organization shall ensure that the ramp rate of the Facility is less 2 MW a minute for all conditions other than those under control of the Company System Operator and/or those due to desired frequency

response, including start up, depletion of storage charge and resource, locally controlled startup and shut down.

(d) Ride Through.

Ride-Through requires that the resource continues to inject current within the "No Trip" zone of the voltage and frequency ride-through requirements. Unless approved during the Interconnection Requirements Study analysis, resources should not use "momentary cessation" within the ride-through regions for any of the ride-through requirements in this Attachment F (Facility Owned by Subscriber Organization).

(e) Undervoltage Ride-Through.

The Facility, as a whole, will meet the following undervoltage ride-through requirements during low voltage affecting one or more of the three voltage phases ("V" is the voltage of any three voltage phases at the Point of Interconnection). For alarm conditions the Facility shall not disconnect from the Company System unless the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System. **[THESE VALUES MAY BE CHANGED BY COMPANY UPON COMPLETION OF THE IRS. WITHOUT LIMITATION, FOR A DISTRIBUTION-CONNECTED FACILITY, UPON COMPLETION OF THE IRS THE COMPANY MAY SPECIFY REQUIREMENTS FOR A MANDATORY DISCONNECTION FROM THE COMPANY SYSTEM.]**

$0.80 \text{ pu} \leq V \leq 1.00 \text{ pu}$  The Facility remains connected to the Company System and in continuous operation.

$0.00 \text{ pu} \leq V < 0.80 \text{ pu}$  The Facility remains connected to the Company System and in continuous operation for a minimum of 600 milliseconds per event (while "V" remains in this range). The Facility may initiate an alarm if "V" remains in this range for more than 600 milliseconds; the duration of the event is measured from the point at which the voltage drops below 0.80 pu and ends when the voltage is at or above 0.80 pu. The 600 milliseconds represents a delayed clearing time of 30 cycles plus breaker opening time.

Protective Undervoltage Relaying (27) shall be set to alarm only to meet the above ride-through requirements, and shall not initiate a disconnect from the Company System unless Subscriber Organization reasonably determines based upon Good Engineering and Operating Practices that the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System.

Subscriber Organization shall have sufficient capacity to fulfill the above mentioned requirements to ride-through subsequent events 300 cycles or more apart, between which the voltage at the POI recovers above 0.80 pu. **[THE ACTUAL RIDE-THROUGH TIMES WILL BE DETERMINED BY COMPANY IN CONNECTION WITH THE IRS]**

(f) Over Voltage Ride-Through.

The overvoltage protection equipment at the Facility shall be set so that the Facility will meet the following overvoltage ride-through requirements during high voltage affecting one or more of the three voltage phases (as described below) ("V" is the voltage of any of the three voltage phases at the Point of Interconnection). For alarm conditions the Facility should not disconnect from the Company System unless the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System. **[THESE VALUES MAY BE CHANGED BY THE COMPANY UPON COMPLETION OF THE IRS. WITHOUT LIMITATION, FOR A DISTRIBUTION-CONNECTED FACILITY, UPON COMPLETION OF THE IRS THE COMPANY MAY SPECIFY REQUIREMENTS FOR A MANDATORY DISCONNECTION FROM THE COMPANY SYSTEM AT  $V > 1.2$  pu. RIDE-THROUGH REQUIREMENTS FOR OTHER SYSTEMS WILL BE DETERMINED IN THE IRS.]**

$1.00 \text{ pu} < V \leq 1.10 \text{ pu}$  The Facility remains connected to the Company System.

$1.10 \text{ pu} < V \leq 1.15 \text{ pu}$  The Facility remains connected to the Company System and in continuous operation no less than 30 seconds; the duration of the event is measured from the point at which the voltage increases at or above 1.1 pu and ends when voltage is at or below 1.1 pu.

$V > 1.15 \text{ pu}$  The Facility remains connected to the Company System and in continuous operation for as long as possible as allowed by the equipment operational limitations.

Protective Overvoltage Relaying (59) shall be set to alarm only to meet the above ride-through requirements, and shall not initiate a disconnect from the Company System unless Subscriber Organization reasonably determines based upon Good Engineering and Operating Practices that the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System.

(g) Transient Stability Ride-Through.

The Facility shall be designed such that the transient stability of Company System is maintained for normally cleared and secondarily cleared faults. The Facility will be required to remain connected through anticipated rates of change of frequency **[TO BE PROVIDED UPON COMPLETION OF IRS]**

(h) [RESERVED]

(i) Underfrequency Ride-Through.

The Facility shall meet the following underfrequency ride-through requirements during an underfrequency disturbance, and export of power shall continue with output adjusted as appropriate for Facility droop response consistent with Section 1(g)(xi) (Active Power – Frequency Response (DROOP)), Section 1(g)(xii) (Dynamic Active Power – Frequency Performance), and **[FOR FACILITIES WITH**

**STORAGE]** Section 1(g)(xiii) (Alternate Active Power / Frequency Response Modes) of this Attachment F (Facility Owned by Subscriber Organization) ("f" is the Company System frequency at the Point of Interconnection):

$57.0\text{Hz} \leq f \leq 60.0\text{Hz}$       The Facility remains connected to the Company System and in continuous operation.

$56.0\text{Hz} \leq f < 57.0\text{Hz}$       The Facility remains connected to the Company System and in continuous operation for at least six (6) seconds per event. The duration of the event is from the point at which the frequency is below 57 Hz and ends when the frequency is at or above 57 Hz. The Facility may initiate an alarm if frequency remains in this range for more than six (6) seconds.

$f < 56.0\text{Hz}$       The Facility remains connected to the Company System and in continuous operation for the duration allowed by the equipment operational limitations. The Facility may initiate an alarm immediately.

Protective Underfrequency Relaying (81U) shall be set to alarm only to meet the above ride-through requirements, and shall not initiate a disconnect from the Company System unless Subscriber Organization reasonably determines based upon Good Engineering and Operating Practices that the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System.

Any tripping on calculated frequency should be based on accurately calculated and filtered frequency measurement over a time frame of minimum six cycles, or other period as specified by the Company, and should not use an instantaneously calculated value.

(j) Overfrequency Ride-Through.

The Facility will behave as specified below for overfrequency conditions, and export of power shall continue with output adjusted as appropriate for Facility droop response consistent with Section 1(g)(xi) (Active Power – Frequency Response (DROOP)), Section 1(g)(xii) (Dynamic Active Power – Frequency Performance), and **[FOR FACILITIES WITH STORAGE]** Section 1(g)(xiii) (Alternate Active Power / Frequency Response Modes) ("f" is the Company System frequency at the Point of Interconnection):

$60.0\text{Hz} < f \leq 61.5\text{Hz}$       The Facility remains connected to the Company System and in continuous operation.

$61.5\text{Hz} < f \leq 63.0\text{Hz}$  The Facility remains connected to the Company System for at least ten (10) seconds. After ten seconds, the Facility may initiate an alarm and the Facility remains connected and producing power for the duration allowed by the equipment operational limitations. The duration of condition is from the point at which the frequency is above 61.5 Hz and ends when the frequency is at or below 63.0 Hz.

$f > 63.0\text{Hz}$  The Facility remains connected to the Company System for the duration allowed by the equipment operational limitations. The Facility may initiate an alarm immediately.

Protective Overfrequency Relaying (81O) shall be set to alarm only to meet the above ride-through requirements, and shall not initiate a disconnect from the Company System unless Subscriber Organization reasonably determines based upon Good Engineering and Operating Practices that the Facility's equipment is at risk of damage. This is necessary in order to coordinate with the existing Company System.

Any tripping on calculated frequency should be based on accurately calculated and filtered frequency measurement over a time frame of minimum six cycles, or other period as specified by the Company, and should not use an instantaneously calculated value.

(k) Successive Faults.

If the resource necessitates tripping to protect from the cumulative effects of those successive faults, in a period of time to ensure safety and equipment integrity, the constraint and time periods should be provided for inclusion in the interconnection study. For all cases, at a minimum, the ride-through requirements shall be met for two ride-through events within two seconds to allow for the Company's transmission automatic reclosing attempt. **[Note - this requirement may be modified based on the results of the IRS.]**

(l) Rate of Change of Frequency ("ROCOF").

The inverter-based resources in the Facility shall not use rate-of-change-of-frequency protection unless an equipment limitation exists that requires the inverter to trip on high ROCOF. Any ROCOF tripping must be approved by Company.

(m) Phase Angle Shift Ride-Through.

The Facility equipment shall ride through phase angle shift of up to ([ ]) **[Note – requirements will depend on Facility].** Inverter phase lock loop (PLL) loss of synchronism shall not cause the inverter to trip or enter momentary cessation within the voltage and frequency ride-through region. Inverters must be capable of riding through temporary loss of synchronism, and regain synchronism, without causing a trip or momentary cessation of the resource.

(n) DC Protection.

If the Facility requires DC reverse current protection, such protection must be coordinated with the inverter equipment module ratings and set to operate for short circuits on the DC side. DC reverse current protection shall not operate for transient overvoltage or for AC-side faults.

(o) Voltage Flicker.

Any voltage flicker on the Company System caused by the Facility shall not exceed the limits stated in IEEE Standard 1453-2011, or latest version "Recommended Practice – Adoption of IEC 61000-4-15:2010, Electromagnetic compatibility (EMC) – Testing and measurement techniques – Flickermeter – Functional and design specifications".

(p) Harmonics.

Harmonic distortion at the Point of Interconnection caused by the Facility shall not exceed the limits stated in IEEE Standard 519-1992, or latest version "Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems". Subscriber Organization shall be responsible for the installation of any necessary controls or hardware to limit the voltage and current harmonics generated from the Facility to defined levels.

(q) Grid Forming Capabilities.

**[NOTE APPLICABILITY BASED ON RESOURCE TYPE AND DESIGN, FOR PV INVERTER**

**BASED RESOURCES PAIRED WITH STORAGE]** Subscriber Organization Facility inverters shall be capable of operating in grid forming mode supporting system operation under normal and emergency conditions without relying on the characteristics of synchronous machines. This includes operation as a current independent ac voltage source during normal and transient conditions (as long as no limits are reached within the inverter) and the ability to synchronize to other voltage sources or operate autonomously if a grid reference is unavailable.

- (i) Subscriber Organization shall operate the Facility in grid forming mode only as directed by the Company System Operator, in its sole discretion. Such mode of operation shall be indicated to the Company System Operator through telemetry.
- (ii) The Facility shall include safeguards to prevent the unintentional switching of the Facility into and out of grid forming mode. The safeguards shall be approved in writing by the Company and implemented by the Subscriber Organization prior to control system testing.

(r) Black Start Capability.

**[NOTE - APPLICABILITY BASED ON RESOURCE TYPE AND DESIGN, FOR PV INVERTER**

**BASED RESOURCES PAIRED WITH STORAGE]** [For synchronous machines, require capability to operate in isochronous control and black start.] The BESS shall be capable of grid forming inverter capability so it can generate its own AC waveform rather than relying on a grid voltage to synchronize and maintain frequency. Further, inverter-based resources shall ensure they have sufficient energy storage to maintain power injection to the grid during system restoration (i.e., have power available when and if called upon). Inverter based facilities should be capable of support as a black start cranking path to start synchronous generators for restoration.

(s) Provision of Synthetic Inertia. **[TO BE DETERMINED BASED ON IRS.]**

(t) Generator Step-Up Transformer Impedance.

The generator step-up transformer impedance shall be between [ ] percent and [ ] percent, inclusive, on transformer OA rating. **[NOTE: THESE VALUES WILL BE BASED ON THE RESULTS OF THE IRS.]**

(u) Control Systems and Auxiliary Equipment.

The power source for control systems and auxiliary equipment required for normal operation of the Facility shall be designed to be immune from system transients in accordance with the Public Utilities Commission of the State of Hawai'i tariff for Maui Electric Company, Ltd. Rule No. 2, Character of Service (Revised Sheet No. 5, effective Oct. 20, 1991) and Section 3.2(A)(6) (Facility Protection and Control Equipment) to meet the performance during under/over voltage and under/over frequency conditions pursuant to Section 3(e) (Undervoltage Ride-Through), Section 3(f) (Over Voltage Ride-Through), Section 3(i) (Underfrequency Ride-Through) and Section 3(j) (Overfrequency Ride-Through) of this Attachment F (Facility Owned by Subscriber Organization).

(v) Frequency Response.

Subscriber Organization shall comply with the requirements of Section 1(g)(xi) (Frequency Response (DROOP)), Section 1(g)(xii) (Dynamic Active Power – Frequency Performance), and **[FOR FACILITIES WITH STORAGE]** Section 1(g)(xiii) (Alternate Active Power / Frequency Response Modes) of this Attachment F (Facility Owned by Subscriber Organization).

(w) Round Trip Efficiency.

The round trip efficiency of the BESS as measured at the POI shall be not less than [\_\_\_\_\_] percent ([\_]%). [Drafting Note: The percentage for round trip efficiency should be taken from Subscriber Organization's response to the RFP.]

(x) Unintentional Islanding.

A Facility's inverters shall be certified to meet the unintentional islanding requirement stated in IEEE 1547-2018 (or latest version), "IEEE Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power System Interfaces." Ride through requirements specified herein shall not inhibit the islanding detection performance where a valid unintentional islanding condition exists.

4. Maintenance of Subscriber Organization-Owned Interconnection Facilities.

- (a) Subscriber Organization must address any Disconnection Event (as defined below) according to the requirements of this Section 4 (Maintenance of Subscriber Organization-Owned Interconnection Facilities) of Attachment F (Facility Owned by Subscriber Organization). For the purposes of this Section 4 (Maintenance of Subscriber Organization-Owned Interconnection Facilities), a "Disconnection Event" is the removal of [\_\_ kW][or 100% of capacity for facilities with capacity less than \_\_ kW] or more from Company System and/or disconnection of the Facility from the Company's System (i) that is not the result of Company dispatch, frequency droop response, or isolation of the Facility resulting from designed protection fault clearing, and (ii) for which Company does not issue the written notice for failure to meet operational and performance requirements as set forth in Section 1(j)

(Demonstration of Facility) of this Attachment F (Facility Owned by Subscriber Organization). Company's election to exercise its rights under Section 1(j) (Demonstration of Facility) shall not relieve Subscriber Organization of its obligation to comply with the requirements of this Section 4 (Maintenance of Subscriber Organization-Owned Interconnection Facilities) for any future Disconnection Event during the pendency of such election or thereafter.

- (b) For every Disconnection Event from the Company System, Subscriber Organization shall investigate the cause. Within three (3) Business Days, Subscriber Organization shall provide, in writing to Company, an incident report that summarizes the sequence of events and probable cause.
- (c) Within forty-five (45) Days of a Disconnection Event, Subscriber Organization shall provide, in writing to Company, Subscriber Organization's findings, data relied upon for such findings, and proposed actions to prevent reoccurrence of a Disconnection Event ("Proposed Actions"). Company may assist Subscriber Organization in determining the causes of and recommendations to remedy or prevent a Disconnection Event ("Company's Recommendations"). Subscriber Organization shall implement such Proposed Actions (as modified to incorporate the Company's Recommendations, if any) and Company's Recommendations (if any) in accordance with the time period agreed to by the Parties.
- (d) In the event Subscriber Organization and Company disagree as to (i) whether a Disconnection Event occurred, (ii) the sequence of events and/or probable cause of the Disconnection Event, (iii) the Proposed Actions, (iv) Company's Recommendations, and/or (v) the time period to implement the Proposed Actions and/or Company's Recommendations, then the Parties shall follow the procedure set forth in Section 5 (Expedited Dispute Resolution) of this Attachment F (Facility Owned by Subscriber Organization).
- (e) Upon the fourth (4th) Disconnection Event (and each subsequent Disconnection Event) within any Contract Year, the Parties shall follow the procedures set forth in Section 4(a) and Section 4(d) of Attachment F (Facility Owned by Subscriber Organization), to the extent applicable. If after following the procedures set forth in this Section 4 (Maintenance of Subscriber Organization-Owned Interconnection Facilities) of Attachment F (Facility Owned by Subscriber Organization), Subscriber Organization and Company continue to have a disagreement as to (1) the probable cause of the Disconnection Event, (2) the Proposed Actions, (3) the Company's Recommendations, and/or (4) the time period to implement the Proposed Actions and/or the Company's Recommendations, then the Parties shall commission a study to be performed by a qualified independent Third-Party consultant ("Qualified Consultant") chosen from the Qualified Independent Third-Party Consultants List ("Consultants List") attached to the Contract as Exhibit F-2 (Consultants List). Such study shall review the design of, review the operating and maintenance procedures dealing with, recommend modifications to, and determine the type of maintenance that should be performed on Subscriber Organization-Owned Interconnection Facilities ("Study"). Subscriber Organization and Company shall each pay for one-half of the total cost of the Study. The Study shall be completed within ninety (90) Days from such fourth Disconnection Event (and each subsequent Disconnection Event) within any Contract Year, unless the Qualified Consultant determines the Study cannot reasonably be completed within ninety (90) Days, in which case, such longer period of time as the Qualified Consultant determines is necessary to complete the Study shall apply. The Qualified Consultant shall send the Study to Company and Subscriber Organization. Subscriber Organization (and/or its Third-Party consultants and contractors), at Subscriber Organization's expense, shall change the design of, change the operating and maintenance procedures dealing with, implement modifications to, and/or perform the maintenance on Subscriber Organization-Owned Interconnection Facilities recommended by the Study. Such design changes, operating and maintenance procedure changes, modifications, and/or maintenance shall be completed no later than forty-five (45) Days from the Day the completed Study is issued by the Qualified Consultant, unless such design changes, operating and maintenance procedure changes, modifications, and/or



maintenance cannot reasonably be completed within forty-five (45) Days, in which case, Subscriber Organization shall complete the foregoing within such longer commercially reasonable period of time agreed to by the Parties in writing. Company shall have the right to derate the Facility to a level that maintains reliable operations in accordance with Good Engineering and Operating Practices, and the Facility shall be deemed to be in Subscriber Organization-Attributable Non-Generation status, until the study has been completed and the study's recommendations have been implemented by Subscriber Organization to Company's reasonable satisfaction. Nothing in this provision shall affect Company's right to dispatch the Facility as provided for in this Contract.

- (f) The Consultants List attached hereto as Exhibit F-2 (Consultants List) contains the names of engineering firms which both Parties agree are fully qualified to perform the Study. At any time, except when a Study is being conducted, either Party may remove a particular consultant from the Consultants List by giving written notice of such removal to the other Party. However, neither Party may remove a name or names from the Consultants List without approval of the other Party if such removal would leave the list without any names. Intended deletions shall be effective upon receipt of notice by the other Party, provided that such deletions do not leave the Consultants List without any names. Proposed additions to the Consultants List shall automatically become effective thirty (30) Days after notice is received by the other Party unless written objection is made by such other Party within said thirty (30) Day period. By mutual agreement between the Parties, a new name or names may be added to the Consultants List at any time.

5. Expedited Dispute Resolution.

If there is a disagreement between Company and Subscriber Organization regarding (i) whether a Disconnection Event occurred, (ii) the sequence of events and/or probable cause of the Disconnection Event, (iii) the Proposed Actions, (iv) the Company's Recommendations, and (v) the time period to implement the Proposed Actions and/or the Company's Recommendations, then authorized representatives from Company and Subscriber Organization, having full authority to settle the disagreement, shall meet in Hawai'i (or by telephone conference) and attempt in good faith to settle the disagreement. Unless otherwise agreed in writing by the Parties, the Parties shall devote no more than five (5) Business Days to settle the disagreement in good faith. In the event the Parties are unable to settle the disagreement after the expiration of the time period, then such disagreement shall constitute a Dispute for which either Party may pursue the dispute resolution procedure set forth in Section 28.2 (Dispute Resolution Procedures, Mediation) of this Contract.

6. Modeling.

- (a) Subscriber Organization's Obligation to Provide Models. Within 30 Days of Company's written request, but no later than the Commercial Operations Date, Subscriber Organization shall provide detailed data regarding the design and location of the Facility, in a form reasonably satisfactory to Company, to allow the modeling of the inverters and any other equipment within the Facility identified in the IRS which utilizes Source Code (such as energy storage system, STATCOM or DVAR equipment), including, but not limited to, integrated and validated power flow and transient stability models (such as PSS/E models), a short circuit model (such as an ASPEN model), and an electro-magnetic transient model (such as a PSCAD model) of the inverters and any additional equipment identified in the IRS as set forth above, applied assumptions, and pertinent data sets (each a "Required Model" and collectively, the "Required Models"). Thereafter, during the Term, Subscriber Organization shall provide working updates of any Required Model within 30 Days of (i) Company's written request, or (ii) Subscriber Organization obtaining knowledge or notice that any Required Model has been modified, updated or superseded by the Source Code Owner.

- (b) Escrow Establishment. If, pursuant to Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment F (Facility Owned by Subscriber Organization), the Required Models are provided to the Company in a form other than Source Code, Subscriber Organization shall arrange for and ensure that the Source Code for the relevant Required Model is deposited into the Source Code Escrow as set forth below in Section 6(b)(i) (Source Code Escrow) of this Attachment F (Facility Owned by Subscriber Organization) no later than the time periods set forth in Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment F (Facility Owned by Subscriber Organization) for delivery of the Required Models. Subscriber Organization shall be responsible for all costs associated with establishing and maintaining the Source Code Escrow. If, however, Subscriber Organization is unable to deposit the required Source Code into the Source Code Escrow within the time periods set forth in Section 6(a) (Subscriber Organization's Obligation to Provide Models), Subscriber Organization shall, no later than such time periods, instead establish a monetary escrow as set forth below in Section 6(b)(ii) (Monetary Escrow) of this Attachment F (Facility Owned by Subscriber Organization).
- (i) Source Code Escrow.
- (A) Establishment of Source Code Escrow. If the Required Models are not provided to the Company in the form of Source Code pursuant to Section 6(a) of this Attachment F (Facility Owned by Subscriber Organization), Subscriber Organization shall: (a) arrange for and ensure the deposit of a copy of the current version of the Source Code and relevant documentation for all Required Models with the Source Code Escrow Agent under the terms and conditions of the Source Code Escrow Contract, and (b) arrange for and ensure the update of the deposited Source Code and relevant documentation for Major Releases and Minor Releases of the Required Models as soon as reasonably possible after they are made generally available.
- (B) Release Conditions. Company shall have the right to obtain from the Source Code Escrow Agent one copy of the escrowed Source Code for the Required Models, under the following conditions upon Company's request:
- (i) A receiver, trustee, or similar officer is appointed, pursuant to federal, state or applicable foreign law, for the Source Code Owner;
- (ii) Any voluntary or involuntary petition or proceeding is instituted, under (x) U.S. bankruptcy laws or (y) any other bankruptcy, insolvency or similar proceeding outside of the United States, by or against the Source Code Owner; or
- (iii) Failure of the Source Code Owner to function as a going concern or operate in the ordinary course; or
- (iv) Subscriber Organization and the Source Code Owner fail to provide to Company the Required Models or updated Required Models, or, alternatively, fail to issue a Source Code LC, within the time periods set forth in Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment F (Facility Owned by Subscriber Organization), Company gives written notice of such failure to Subscriber Organization and the Source Code Owner, and Subscriber Organization and Source Code Owner fail to remedy such breach within five (5) Days following receipt of such notice.
- (C) Remedies. If Company has the right to obtain from the Source Code Escrow Agent one copy of the escrowed Source Code for the Required Models pursuant to Section 6(b)(i)(B) (Release Conditions) of Attachment F (Facility Owned by Subscriber Organization), and Company finds that Subscriber Organization failed to arrange for and ensure the update the Source Code Escrow with the modified and/or updated Source Code and relevant documentation for Major Releases and Minor Releases of the Required Models as provided in Section 6(b)(i)

(Establishment of Source Code Escrow) of Attachment F (Facility Owned by Subscriber Organization) or that the Source Code for the Required Models is incomplete or otherwise unusable, Subscriber Organization shall be liable to Company for liquidated damages in the amount of \$500 per Day for each Day Subscriber Organization fails to provide such Source Code to Company or such update to the Source Code to Company from the date such Major Release or Minor Release was first made available by the Source Code Owner to customers of the Source Code Owner. Failure to provide the updated Source Code of the Required Models within 30 Days' notice from Company of a breach of Section 6(b)(i)(A) (Establishment of Source Code Escrow) of Attachment F (Facility Owned by Subscriber Organization); provided, that Subscriber Organization has also failed to provide a satisfactory Source Code LC as set forth in Section 6(b)(ii) (Source Code Security) of this Attachment F (Facility Owned by Subscriber Organization) shall constitute an Event of Default pursuant to Section 13 under the Contract.

- (D) Certification. The Source Code Escrow Agent shall release the Source Code of the Required Models to Company upon receipt of a signed statement by a representative of Company that reads substantially as follows:

The undersigned hereby certifies that (i) I am duly authorized to execute this document on behalf of Maui Electric Company, Limited ("Maui Electric"), and (ii) Maui Electric is entitled to a copy of the Source Code of the Required Models Pursuant to Section 6(b)(i)(B) (Release Conditions) of Attachment F (Facility Owned by Subscriber Organization) of the Power Purchase Contract dated as of \_\_\_\_\_, between \_\_\_\_\_, and Maui Electric.

- (E) Authorized Use. If Company becomes entitled to a release of the Source Code of the Required Models from escrow, Company may thereafter correct, modify, update and enhance the Required Models for the sole purpose of providing itself the support and maintenance it otherwise would have been entitled to if it had been provided the Required Models by Subscriber Organization under Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment F (Facility Owned By Subscriber Organization) (the "Source Code Authorized Use").

- (F) Confidentiality Obligations. Company shall keep the Source Code of the Required Models confidential pursuant to the confidentiality obligations of the Source Code Escrow Agreement. Company shall restrict access to the Source Code of the Required Models to those employees, independent contractors and consultants of Company who have agreed in writing to be bound by confidentiality and use obligations consistent with those specified in the Escrow Agreement, and who have a need to access the Source Code of the Required Models on behalf of Company to carry out their duties for the Source Code Authorized Use. Promptly upon Subscriber Organization's request, Company shall provide Subscriber Organization with the names and contact information of all individuals who have accessed the Source Code of the Required Models, and shall take all reasonable actions required to recover any such Source Code in the event of loss or misappropriation, or to otherwise prevent their unauthorized disclosure or use.

(ii) Source Code Security.

- (A) Establishment of Source Code Security. If the Required Models and their relevant Source Code are not provided to the Company in the form of Source Code pursuant to Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment F (Facility Owned by Subscriber Organization) and if the Subscriber Organization is unable to arrange for and ensure the deposit of the Source Code into the Source Code Escrow established for the benefit of the Company pursuant to Section 6(b)(i) (Source Code Escrow) of this Attachment F (Facility Owned by Subscriber Organization) then, no later than the time periods set forth in Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment F (Facility Owned by

Subscriber Organization) for delivery of the Required Models and Source Code, Subscriber Organization shall provide an irrevocable standby letter of credit (the "Source Code LC") with no documentation requirement in the amount of Two Hundred Fifty Thousand Dollars (\$250,000) per Required Model (and its relevant Source Code) substantially in the form attached to this Contract as Exhibit G-1 (Form of Letter of Credit) from a bank chartered in the United States with a credit rating of "A-" or better from Standard & Poor's or A3 or better from Moody's. Such letter of credit shall be issued for a minimum term of one (1) year. Furthermore, at the end of each year the security shall be renewed for an additional one (1) year term so that at the time of such renewal, the remaining term of any such security shall not be less than one (1) year. The letter of credit shall include a provision for at least thirty (30) Days' advance notice to Company of any expiration or earlier termination of the letter of credit so as to allow Company sufficient time to exercise its rights under said security if Subscriber Organization fails to extend or replace the security. In all cases, the reasonable costs and expenses of establishing, renewing, substituting, canceling, increasing, reducing, or otherwise administering the letter of credit shall be borne by Subscriber Organization.

- (B) Release Conditions. Company shall have the right to draw on the letter of credit the funds necessary to develop and recreate the Required Model or Required Models upon Company's request if Subscriber Organization fails to provide the Company the Required Models or updated Required Models within the time periods set forth in Section 6(a) (Subscriber Organization's Obligation to Provide Models) or Section 6(b)(i)(C) (Remedies) of this Attachment F (Facility Owned by Subscriber Organization), Company gives written notice of such failure to Subscriber Organization, and Subscriber Organization fails to remedy such breach within five (5) Days following receipt of such notice for a breach under Section 6(a) (Subscriber Organization's Obligation to Provide Models, or within thirty (30) Days following receipt of such notice for a breach under Section 6(b)(i)(C) (Remedies).
- (C) Extend Letter of Credit. If the letter of credit is not renewed or extended no later than thirty (30) Days prior to its expiration or earlier termination, Company shall have the right to draw immediately upon the full amount of the letter of credit and to place the proceeds of such draw (the "Proceeds"), at Subscriber Organization's cost, in an escrow account in accordance with Section 6(b)(ii)(D) (Proceeds Escrow), until and unless Subscriber Organization provides a substitute form of letter of credit meeting the requirements of this Section 6(b)(ii) (Source Code Security) of this Attachment F (Facility Owned by Subscriber Organization).
- (D) Proceeds Escrow. If Company draws on the letter of credit pursuant to Section 6(b)(ii)(C) (Extend Letter of Credit) of this Attachment F (Facility Owned by Subscriber Organization), Company shall, in order to avoid comingling the Proceeds, have the right but not the obligation to place the Proceeds in an escrow account as provided in this Section 6(b)(ii)(D) (Proceeds Escrow) of this Attachment F (Facility Owned by Subscriber Organization) with a reputable escrow agent acceptable to Company ("Proceeds Escrow Agent") subject to an escrow agreement acceptable to Company ("Proceeds Escrow Agreement"). Without limitation to the generality of the foregoing, a federally-insured bank shall be deemed to be a "reputable escrow agent." Company shall have the right to apply the Proceeds as necessary to recover amounts Company is owed pursuant to this Section 6 (Modeling) of this Attachment F (Facility Owned by Subscriber Organization). To that end, the Proceeds Escrow Agreement governing such escrow account shall give Company the sole authority to draw from the account. Subscriber Organization shall not be a party to such Proceeds Escrow Agreement and shall have no rights to the Proceeds. Upon full satisfaction of Subscriber Organization's obligations under Section 6 (Modeling) of this Attachment F (Facility Owned by Subscriber Organization), Company shall instruct the Proceeds Escrow Agent to remit to the bank that issued the letter of credit that was the source of the Proceeds the remaining balance (if any) of the Proceeds. If there is more than one escrow account with Proceeds, Company may, in its sole discretion, draw on such accounts in any sequence Company may select. Any failure to draw upon the Proceeds for any damages or other amounts due Company shall not prejudice Company's rights to recover such damages or amounts in any other manner.

- (E) Subscriber Organization's Obligation. If the letter of credit is not sufficient to cover Company's associated consultant fees, costs and expenses to develop and recreate the Required Models, Subscriber Organization shall pay to Company the difference within ten (10) Days of Company's written notice to Subscriber Organization.
- (F) Model Verification. Subscriber Organization shall work with the Company to validate the new Required Models developed by or on behalf of Company within sixty (60) Days of receiving such new Required Models. Subscriber Organization shall also arrange for and ensure that Company may obtain new Required Models directly from the Source Code Owner in the event that Subscriber Organization ceases to operate as a going concern or is subject to voluntary or involuntary bankruptcy and is unable or unwilling to obtain the new Required Models from the Source Code Owner.
- (G) Certification. The terms of the letter of credit shall provide for a release of the funds, or in the event the funds have been placed into a Proceeds Escrow, the Proceeds Escrow Agent shall release the necessary funds to Company upon receipt of a signed statement by a representative of Company that reads substantially as follows:

The undersigned hereby certifies that (i) I am duly authorized to execute this document on behalf of Maui Electric Company, Limited ("Maui Electric"), and (ii) Maui Electric is entitled to \$ \_\_\_\_\_, pursuant to Section 6(b)(ii)(B) (Release Conditions) of Attachment F (Facility Owned by Subscriber Organization) of the Power Purchase Agreement dated as of \_\_\_\_\_, between \_\_\_\_\_, and Maui Electric.

- (H) Authorized Use. If Company becomes entitled to a draw of funds from the Source Code Security or a release of funds from the Proceeds Escrow, Company may thereafter use such funds to develop, recreate, correct, modify, update and enhance the Required Models for the sole purpose of providing itself the support and maintenance it otherwise would have been entitled to if it had been provided the Required Models by Subscriber Organization under Section 6(a) (Subscriber Organization's Obligation to Provide Models) of this Attachment F (Facility Owned by Subscriber Organization).

- (iii) Supplementary Agreement. The parties stipulate and agree that the escrow provisions in this Section 6(b) (Escrow Establishment) of Attachment F (Facility Owned by Subscriber Organization) and the Source Code Escrow Agreement and Proceeds Escrow Agreement are "supplementary agreements" as contemplated in Section 365(n)(1)(B) of the Code. In any voluntary or involuntary bankruptcy proceeding involving Subscriber Organization, failure by Company to assert its rights to "retain its rights" to the intellectual property encompassed by the Source Code or the funds in the Proceeds Escrow, pursuant to Section 365(n)(1)(B) of the Code, under an executory contract rejected in a bankruptcy proceeding, shall not be construed as an election to terminate the contract by Company under Section 365(n)(1)(A) of the Code.

7. Testing Requirements.

- (a) Testing Requirements. Once the Control System Acceptance Test has been successfully passed, Subscriber Organization shall not replace and/or change the configuration of the Facility Control, inverter control settings and/or ancillary device controls, without prior written notice to Company. In the event of any such replacement and/or change, the relevant test(s) of the Control System Acceptance Test shall be redone and must be successfully passed before the replacement or altered equipment is allowed to be placed in normal operations. In the event that Company reasonably determines that such replacement and/or change of controls makes it inadvisable for the Facility to continue in normal operations without a further Control Systems Acceptance Test, the Facility shall be deemed to be in Subscriber Organization-Attributable Non-Generation status until the new relevant tests of the Control System Acceptance Test have been successfully passed.

- (b) Periodic Testing. Subscriber Organization shall coordinate periodic testing of the Facility with Company to ensure that the Facility is meeting the performance standards specified under this Contract.

8. Data and Forecasting.

Subscriber Organization shall provide Site, meteorological and production data in accordance with the terms of Article 6 (Forecasting) of this Attachment and the following requirements:

- (i) Physical Site Data: Subscriber Organization shall provide Company with an accurate description of the physical Site, including but not limited to the following, **[as appropriate to Facility resource type(s) and use of storage]** which may not be changed during the Term without Company's prior written consent:

- A. Location Facility Map showing the layout of the Facility (coverage area or footprint) and the coordinates (latitude and longitude) of generating equipment:

Solar PV: elevation (above ground), orientation angle and direction (north-east-south-west plane) of arrays/concentrators.

Wind Generators: coordinates (latitude and longitude) and height above ground of each wind turbine hub.

- B. Location (latitude and longitude) and elevation (above ground) of each MMT/MMS and elevation (above ground) of each field measurement device for, e.g., air density, ambient air pressure and ambient air temperature, located at each MMT or each field measurement device located on such MMS.

- C. For solar resource inverters: Inverter type, power rating, array configuration to inverters and DC rating of the Facility at the following standard test conditions: irradiance of 1000 W/m<sup>2</sup>, air mass 1.5, and cell temperature 25° C.

- D. Solar generation technology employed at the Facility with temperature dependence, mounting and module type.

- E. Wind generation technology employed at the Facility with representative power curve(s).

- F. BESS technology and related auxiliary equipment, location and type.

- (ii) Meteorological and Production Data:

- A. Subscriber Organization shall install and maintain a minimum of two MMS for facilities that have either (i) a DC rating of the Facility of 5 MW or greater or (ii) a coverage area greater than one square kilometer.

- B. Placement of each MMS should account for the microclimate of the area and Facility coverage area and shall be oriented with respect to the primary wind direction.

- C. Subscriber Organization shall provide to Company, via SCADA communication and protocol acceptable to Company to support operations and forecasting needs at a

continuous scan, all meteorological and production data required under this Contract updated every 2 seconds.

- D. Subscriber Organization shall arrange for a dedicated distribution voltage line to provide separate service from Company, or for such other independent, backup power source as approved by Company in writing, to temporarily store and record the meteorological data from the field measuring devices at the MMSs. Any such backup power source must be capable of providing power for the field measurement devices for a reasonable period of time until primary power is restored. The same backup power source can serve multiple MMSs as needed by the Facility.

(iii) Units and Accuracy:

- A. [For PV] The Table below shows minimum required solar irradiance measurements for various types of solar generation technology. **[DRAFTING NOTE: VALUES NEED TO BE INSERTED INTO TABLE.]** This value may not be derived.

Technology	Normal Irradiance	Irradiance (GHI)	of Array Irradiance (I
late horizontal, fixed angle, tracking, roof			

- B. Units and accuracy of measured parameters to be provided to Company in real time shall be as shown in the Table below. These represent the minimum required accuracies. **Table of Units and Accuracy of**

**Meteorological and Production Data (PV)**

meter	Source		accuracy
Horizontal Irradiance at N	meter or equivalent	100 W/m <sup>2</sup>	Industry standard per 60 or <= 3% from 100 W/m <sup>2</sup> to 100 W/m <sup>2</sup> if using a PV Reference
of Array Irradiance on sam array	meter or equivalent	100 W/m <sup>2</sup>	Industry standard per 60 or <= 3% from 100 W/m <sup>2</sup> to 100 W/m <sup>2</sup> if using a PV Reference
of Panel temperature at arra	temperature probe	+50 °C	
production of Facility	measured at POI	Capacity	MW
ers Available*	Subscriber Organization's system	the number of installed in	
	of inverters online/number of inverte	100%	
Possible*	Subscriber Organization's Model	Rated Capacity	MW

**Table of Units and Accuracy of  
Meteorological and Production Data (Wind)**

Parameter	Source	Units	Accuracy
Wind speed at MMT (hub height)	sonic anemometer	mph	±4 mph
Wind direction at MMT (hub height)	sonic device or equivalent	degrees (from True North)	±1 degree
Ambient air temperature at MMT (hub height)	temperature probe	°C	±0.5 °C
Ambient air pressure at MMT (hub height)	resistive transducer, barometer or equivalent	mbar	±1 mbar (±0.005 inHg) ±0.5 °C
Production of Facility	metered at POI	MW	±0.5 MW
Possible	Subscriber Organization's Model	MW	±0.5 MW

(iv) Status of Generating Equipment:

For each inverter, or wind turbine, Subscriber Organization shall provide to Company, via SCADA communication and protocol acceptable to Company at a continuous scan updated not less frequently than every 2 seconds, a signal as to whether such inverter is available or unavailable, and on or offline.

(v) Data Collection.

**[NOTE COMPANY TO UPDATE REQUIREMENTS; WILL BE SPECIFIC TO FACILITY EQUIPMENT AND RESOURCE TYPE]**



High Resolution Data: Subscriber Organization shall install and make available to the Company time stamped and sequential data recordings for all inverter-based resources (and all generating resources) to perform event analysis and verify Facility performance during steady state and transient disturbance events. This will include a time-synchronized phasor measurement unit at the Facility, and access to multiple sources to provide sufficient clarity as to any abnormal response or behavior within the Facility, including Facility control settings and static values, SCADA data, sequence of events recording (SER) data, dynamic disturbance recorder (DDR) data, and inverter fault codes and inverter-level dynamic recordings. This data will be used to review the Facility response to system dynamics, such as the frequency response (normal droop and FFR), reactive response, etc.

Plant Data: **[Note: specific requirements below are representative of variable energy resources and will be tailored to the Facility resource type(s) and geographic arrangement]**

Subscriber Organization shall install at least three (3) meteorological tower(s), spaced so as to provide the data points set forth below for the entire Facility. At least two months prior to the Commercial Operation Date, Subscriber Organization shall deliver to Company a report showing (i) manufacturer, model and year of all energy equipment (panels, inverters, energy storage devices, turbine generators), and meteorological instrumentation, and (ii) the latitude and longitude of the center of the energy equipment (i.e., solar panels for every inverter, wind turbines) and every meteorological tower. Beginning upon COD, Subscriber Organization shall transmit and provide to Company the real-time data set forth below, refreshed as frequently as allowed by the SCADA system, not to exceed sixty (60) second intervals:

- Three (3) data points from each inverter or wind turbine:
  - Inverter/turbine generation (MW)
  - Inverter/turbine availability
  - Inverter/turbine on/offline status
- Two (2) data points from each meteorological tower (solar resources):
  - Global horizontal solar irradiance (instantaneous solar intensity, full sky)
  - Plane of array solar irradiance (instantaneous solar intensity at the current angle of the PV array)
- Five data points from each Meteorological Tower (wind resources):
  - Wind Speed \*\* (mps)
  - Wind Direction\*\* (degrees relative to true north)
  - Temperature (Celsius)
  - Pressure (mb)
  - Air Density (kg/m<sup>3</sup>)

In addition to the other requirements for data collection, if required by Company, a Facility with wind turbines shall install, maintain and operate at least one meteorological tower that is installed at hub height and is placed upstream of the prevailing wind path to provide meteorological data through a means agreed by the Company. The data stream from this meteorological tower to the Company's System must be reliable and include battery back-up at the meteorological tower and a local source of electricity to power the data collection and communication from the Facility to Company during transmission outages.

Subscriber Organization shall provide a map and key for each inverter or wind turbine sufficient to allow Company to correlate the data received through Company's data historian system to each individual resource.

9. Technology Specific Requirements.

(a) [RESERVED]

(b) [RESERVED]

(c) Inverter Systems.

- (i) Direct current generators and non-power (i.e., other than 60 Hertz) alternating current generators can only be installed in parallel with the Company System using a non-islanding synchronous inverter unless alternate designs are approved by the Company. The design shall comply with the requirements of IEEE Std 1547-2003 (or latest version), except as described in Section 3 (Performance Standards) of this Attachment F (Facility Owned by Subscriber Organization).
- (ii) Self-commutated inverters of the Company-interactive type shall synchronize to the Company System. Line-commutated, thyristor-based inverters are not recommended and will require additional technical study to determine harmonic and reactive power requirements. All interconnected inverter systems shall comply with the harmonic current limits of IEEE Std 519-1992 (or latest version).

(d) Battery Energy Storage System. The operating parameters of the BESS for facilities with paired storage shall be as follows:

- (i) For facilities with variable energy and paired storage: The BESS shall directly charge storage from the variable resource when the Company Active Power Dispatch is for less than the available resource energy.
- (ii) No more than [ ]% of the BESS energy capacity can be charged from the grid prior to the fifth (5th) anniversary of the Commercial Operations Date. Thereafter, 100% of the BESS energy capacity can be charged from the grid. **[DRAFTING NOTE: 5-YEAR LIMITATION ON GRID CHARGING WILL BE DELETED IF ITC RECAPTURE IS NOT APPLICABLE TO THE BESS.]**
- (iii) The BESS will not be required to discharge more energy than available relative to the available state of charge.
- (iv) For storage used primarily for energy shifting, the BESS shall be designed for an average annual use of 365 cycle(s) (a cycle is a discharge equal to the portion of the BESS Contract Capacity allocated for energy shifting, and sufficient charging to return the BESS to 100% State of Charge)
- (v) For contingency storage, the BESS storage technology shall be procured based on required charging/discharging duty for the provision of disturbance frequency response. This response will require fast response outside of a specified frequency deadband (setable between 0.1 and 0.5 Hz), in accordance with specified droop and time parameters. **(Historical frequency data for 2 second data resolution samples will be provided to**

**bidders.) (Assumptions and associated restrictions on charging/discharging duty to be supplied by bidders).**

10. Operating Committee and Operating Procedures.

Company and Subscriber Organization shall each appoint one representative and one alternate representative to act as the operating committee in matters relating to the Parties' performance obligations under this Contract and to develop operating arrangements for the generation, delivery and receipt of renewable energy from the Facility.

The operating committee may develop mutually agreeable written operating procedures consistent with the requirements of this Contract, to address matters such as day-to-day communications; key personnel; operations-center interface; metering, telemetering, telecommunications, and data acquisition procedures; operations and maintenance scheduling and reporting; reports; operations log; testing procedures; and such other matters as may be mutually agreed upon by the operating committee.

The operating committee shall review the requirements for Active Power Control, the data collection and telemetry, and control system parameters from time to time after the date hereof and may agree on modifications thereto to the extent necessary or convenient for operation of the Facility in accordance with this Contract.

The operating committee shall have authority to act in all technical and day-to-day operational matters relating to performance of this Contract and to attempt to resolve potential disputes, provided, however, that except as explicitly provided herein, the operating committee shall have no authority to amend or waive any provision of this Contract.

---END---

**EXHIBIT F-1  
DESCRIPTION OF GENERATION AND BATTERY STORAGE FACILITIES**

1. Name of Facility:

(a) Location: (TMK No. )

(b) Telephone number (for system emergencies):

(c) E-mail Address:

(d) Contact Information for notices pursuant to Section 29.3 (Notices) of the Contract:

Mailing Address:

Address for Delivery by Hand or Overnight Delivery:

Email Address:

2. Owner (If different from Subscriber Organization):

If Subscriber Organization is not the owner, Subscriber Organization shall provide Company with a certified copy of a certificate warranting that the owner is a corporation, partnership or limited liability company in good standing with the Hawai'i Department of Commerce and Consumer Affairs which shall be attached hereto as Exhibit A-1 (Good Standing Certificates).

3. Operator:

4. Name of person to whom payments are to be made:

(a) Mailing address:

(b) Hawai'i Gross Excise Tax License number:

5. Equipment:

(a) Type of facility and conversion equipment:

**[For example: Small power production facility designated as a Qualifying Facility that produces electric energy using \_\_\_\_\_.]**

(b) Design and capacity

Total Facility Capacity ("Contract Capacity"): \_\_\_\_\_ kW

Total Number of Generators:

**[number and size of each generator, e.g., one (1) Brand X, 200 kW; one (1) Brand Y, 300 kW]**

Description of Equipment:

**[For example: Describe the type of energy conversion equipment, capacity, and any special features.]**

Individual Unit: **[if more than one generator, list information for each generator]**

	kW	kVAR Consumed	kVAR Produced
<u>Full load</u>			
<u>Startup</u>			

Generator:

Type \_\_\_\_\_

Rated Power \_\_\_\_\_ kW

Voltage \_\_\_\_\_ V, \_\_\_\_\_ phase

Frequency \_\_\_\_\_ Hz

Class of Protection \_\_\_\_\_

Number of Poles \_\_\_\_\_

Rated Speed \_\_\_\_\_ rpm

Rated Current \_\_\_\_\_ A

Rated Power Factor See Exhibit B-2

Batteries

Total Number of Energy Storage Units:

(c) Single or 3 phase:

(d) Name of manufacturer:

(e) Description of Facility SCADA and control system(s)

(f) The "Allowed Capacity" of this Contract shall be the lower of (i) Contract Capacity or (ii) the net nameplate capacity (net for export) of the Facility installed by the Commercial Operations Date.

(g) Subscriber Organization may propose revisions to this Section 5 (Equipment) of Exhibit F-1 (Description of Generation Battery and Storage Facilities) ("Section 5") for Company's approval prior to commencement of construction, provided, however, that (i) no such revision to this Section 5 shall change the type of Facility or conversion equipment deployed at the Facility from a solar energy conversion facility using photovoltaic equipment; (ii) Subscriber Organization shall be in compliance with all other terms and conditions of this Contract; and (iii) such revision(s) shall not change the characteristics of the Facility equipment or the specifications used in the IRS. Any revision to this Section 5 complying with items (i) through (iii) above shall be subject to Company's prior approval, which approval shall not be unreasonably withheld. If Subscriber Organization's proposed revision(s) to this Section 5 otherwise satisfies items (i) and (ii) above but not item (iii) such that Company, in its reasonable discretion, determines that a re-study or revision to all or any part of the IRS is required to accommodate Subscriber Organization's proposed revision(s), Company may, in its sole and absolute discretion, conditionally approve such revision(s) subject to a satisfactory re-study or revision to the IRS and Subscriber Organization's payment and continued obligation to be liable and responsible for all costs and expenses of re-studying or revising such portions of the IRS and for modifying and paying for all costs and expenses of modification to the Facility, the Company-Owned Interconnection Facilities based on the results of the re-studies or revisions to the IRS. Any changes made to this Attachment F of the Contract as a result of this Section 5(f) of Exhibit F-1 (Description of Generation and Battery Storage Facilities) shall be reflected in a written amendment to the Contract.

Subscriber Organization understands and acknowledges that Company's review and approval of Subscriber Organization's proposed revisions to this Section 5 and any necessary re-studies or revisions to the IRS shall be subject to Company's then-existing time and personnel constraints. Company agrees to use commercially reasonable efforts, under such time and personnel constraints, to complete any necessary reviews, approvals and/or re-studies or revisions to the IRS.

Insurance carrier(s): **[SUBSCRIBER ORGANIZATION TO PROVIDE INFORMATION]**

6. If Subscriber Organization is not the operator, Subscriber Organization shall provide a copy of the agreement between Subscriber Organization and the operator which requires the operator to operate the Facility and which establishes the scope of operations by the operator and the respective rights of Subscriber Organization and the operator with respect to the sale of electric energy from Facility no later than the Commercial Operations Date. In addition, Subscriber Organization shall provide a certified copy of a certificate warranting that the operator is a corporation, partnership or limited liability company in good standing with the Hawai'i Department of Commerce and Consumer Affairs no later than the Commercial Operations Date.

In the event of a change in ownership or identity of Subscriber Organization, owner or operator, such entity shall provide within 30 Days thereof, a certified copy of a new certificate and a revised ownership structure.

---END---

**EXHIBIT F-2  
CONSULTANTS LIST**

---END---



**EXHIBIT F-3  
MODELING REQUIREMENTS**

1. Steady State and Dynamic Model Requirements and As-built Data to be provided by Subscriber Organization. The expected steady state power flow and dynamic models will be provided by the Subscriber Organization during the interconnection study process in the format compatible with the analytical tools used by Company. Depending upon Facility design, different representations may be required for steady state and dynamic simulations. Subscriber Organization will work with Company to derive a complex equivalent model if it is required to meet interconnection study needs. The as-built data and models will be provided by Subscriber Organization immediately upon commissioning with sufficient information to demonstrate that the as-built parameters match the model. Any changes to plant settings that affect its response and impact to the Company System are required to be studied prior to those changes taking effect. The modeling will include all necessary control settings such that the correct capabilities, flags, and settings can be represented in a base case. Where such parameters are settable according to this Contract, the initial models will be configured with parameters mutually agreed with Company for the interconnection study analysis. This includes, but is not limited to:
  - Plant Type: A description of the resource type (e.g., storage, solar PV or wind power resource) used as a flag to ensure that the inverter-based resource is accurately represented in the base case, where applicable.
  - Active and Reactive Capability: The overall plant "composite capability curve" shall be provided by Subscriber Organization for performance purposes. That same curve will be used for accurately modeling the P-Q capability in power flow studies.
  - Plant-Level Voltage Control Settings: Information on the plant voltage control mode to ensure correct voltage control flags and set points are set accordingly in the software tools.
  - The voltage control set point at the POI is provided by the Company. Subscriber Organization shall provide a description of the coordination of any plant-level shunt compensation (static or dynamic) to ensure it can be accurately represented in the power flow base case.

The models provided by Subscriber Organization should accurately reflect the contractual requirements established under this Contract.

2. Positive Sequence Stability Modeling. Subscriber Organization shall provide a positive sequence stability model representation which provides sufficient detailed modeling for necessary reliability studies, as specified by Company. **[Note – language to be revised based on proposed Facility.]** For example, the following are typical requirements for plants with inverter equipment:
  - Inverter-Level Controller Model: This represents the overall control of the inverter as an energy or generating resource.
  - Electrical Control Model: This represents the detailed electrical controls of the resource, including large disturbance behavior.
  - Plant-Level Controller Model: This represents control of multiple individual inverters and/or generators within the plant
3. Short Circuit Modeling. Subscriber Organization will provide appropriate and accurate models to Company to support short circuit studies. **[Company to specify requirements based on specific Facility]**

4. Electromagnetic Transient Modeling. Company will require an electromagnetic transient ("EMT") model for the Facility. Subscriber Organization shall provide Company with an EMT model for the IRS and an updated EMT model after the Facility has been commissioned. These models are in addition to the positive sequence stability models required for interconnection-wide modeling purposes. In addition, Subscriber Organization shall provide Company with evidence that the expected (and commissioned) EMT model reasonably matches the positive sequence dynamic models provided. This should include a benchmarking report provided by the inverter OEM.

---END---

**EXHIBIT F-4**

**GENERATOR AND ENERGY STORAGE CAPABILITY CURVE(S)**

**EXHIBIT F-5**

**SINGLE-LINE DRAWING AND INTERFACE BLOCK DIAGRAM**

(To be attached as per Section 1(a) of Attachment F)

**EXHIBIT F-6**

**RELAY LIST AND TRIP SCHEME**

(To be attached as per Section 1(a) of Attachment F.)

**ATTACHMENT G**

**COMPANY-OWNED INTERCONNECTION FACILITIES**

(To be filled out by Company)

**1. Description of Company-Owned Interconnection Facilities**

The Company will purchase, construct, own, operate and maintain all interconnection facilities required to interconnect the Company’s system with the Generating Facility at \_\_\_volts, up to the point of interconnection.

The Company-Owned Interconnection Facilities, for which the Subscriber Organization agrees to pay, include: [Need to specify the interconnection facilities. If no interconnection facilities, state “None”.]

**2. Subscriber Organization Payment to Company for Company-Owned Interconnection Facilities, Review of Generating Facility, and Review of Verification Testing**

The Subscriber Organization shall pay to the Company the total estimated interconnection cost to be incurred by the Company (Total Estimated Interconnection Cost), which is comprised of (i) the estimated cost of the Company-Owned Interconnection Facilities, (ii) the estimated engineering costs associated with a) developing the Company-Owned Interconnection Facilities and b) reviewing and specifying those portions of the Generating Facility which allow interconnected operation, and iii) witnessing and reviewing the verification testing, which shall include testing of the telemetry and control interface which allows the Company to remotely measure, monitor, evaluate and verify technical compliance, Generating Facility performance, and power quality and, if necessary, control the Generating Facility. The following summarizes the Total Estimated Interconnection Cost:

<b>Description</b>	<b>Estimated Cost (\$)</b> [If no cost, state “None”.]
T h	
<b>Total Estimated Interconnection Cost (\$):</b>	

Total Estimated Interconnection Cost, which, except as otherwise provided herein, is non- refundable, shall be paid by the Subscriber Organization fourteen (14) days after receipt of an invoice from the Company, which shall be provided not less than thirty (30) days prior to start of procurement of the Company-Owned Interconnection Facilities.

Within thirty (30) days of receipt of an invoice, which shall be provided within fourteen (14) days of the final accounting, which shall take place within sixty (60) days of completion of construction of the Company-Owned Interconnection Facilities, the Subscriber Organization shall remit to the Company the difference between the Total Estimated Interconnection Cost paid to date and the total actual interconnection cost (Total Actual Interconnection Cost). The latter is comprised of (i) the total costs of the Company-Owned Interconnection Facilities, and (ii) the total engineering costs associated with a) developing the Company-Owned Interconnection Facilities and b) reviewing and specifying those portions of the Generating Facility which allow interconnected operations as such are described in Exhibit F-1, and iii) reviewing the verification testing. If in fact the Total Actual Interconnection Cost is less than the payments received by the Company as the Total Estimated Interconnection Cost, the Company shall repay the difference to the Subscriber Organization within thirty (30) days of the final accounting. If the Contract is terminated prior to the Subscriber Organization’s payment for the

Total Actual Interconnection Cost (or the portion of this cost which has been incurred) or prior to the Company's repayment of the over collected amount of the Total Estimated Interconnection Cost (or the portion of this cost which has been paid), such payments shall be made by the Subscriber Organization or Company, as appropriate. If payment is due to the Company, the Subscriber Organization shall pay within thirty (30) days of receipt of an invoice, which shall be provided within fourteen (14) days of the final accounting, which shall take place within sixty (60) days of the date the Contract is terminated. If payment is due to the Subscriber Organization, the Company shall pay within thirty (30) days of the final accounting.

All Company-Owned Interconnection Facilities shall be the property of the Company.

**3. Operation, Maintenance and Testing Costs**

The Company will bill the Subscriber Organization monthly and the Subscriber Organization will, within 30 days after the billing date, reimburse the Company for any costs incurred in operating, maintaining or testing the Company-Owned Interconnection Facilities. The Company's costs will be determined on the basis of outside service costs, direct labor costs, material costs, transportation costs, applicable overheads at time incurred and applicable taxes. Applicable overheads will include such costs as vacation, payroll taxes, non-productive wages, supervision, tools expense, employee benefits, engineering administration, corporate administration, and materials handling. Applicable taxes will include the Public Service Company Tax, and Public Utility Fee.

---END---

**EXHIBIT G-1**

**FORM OF LETTER OF CREDIT**

[Bank Letterhead] [Date]

Beneficiary: [Hawaiian Electric Company, HELCO or MECO, as appropriate] [Address]

[Bank's Name] [Bank's Address]

Re: [Irrevocable Standby Letter of Credit Number]

Ladies and Gentlemen:

We hereby establish, in your favor, our irrevocable standby Letter of Credit Number \_\_\_\_\_ (this "Letter of Credit") for the account of [Applicant's Name] and [Applicant's Address] in the initial amount of \$ [dollar value] and authorize you, Hawaiian Electric Company [HELCO or MECO, as appropriate] ("Beneficiary"), to draw at sight on [Bank's Name].

Subject to the terms and conditions hereof, this Letter of Credit secures [Project Entity Name]'s certain obligations to Beneficiary under the Community-Based Renewable Energy ("CBRE") Program Standard Form Contract dated as of \_\_\_\_\_ between [Project Entity Name] and Beneficiary.

This Letter of Credit is issued with respect to the following obligations:

This Letter of Credit may be drawn upon under the terms and conditions set forth herein.

Partial draws of this Letter of Credit are permitted. This Letter of Credit is not transferable. Drafts on us at sight shall be accompanied by a Beneficiary's signed statement signed by a representative of Beneficiary substantially as follows:

The undersigned hereby certifies that (i) I am duly authorized to execute this document on behalf of Hawaiian Electric Company [HELCO or MECO, as appropriate], and [(ii) the amount of the draft accompanying this certification is due and owing to Hawaiian Electric Company [or HELCO or MECO, as appropriate] under the terms of the CBRE Program Standard Form Contract dated as of \_\_\_\_\_, between \_\_\_\_\_, and Hawaiian Electric Company [or HELCO or MECO, as appropriate]] and (iii) the Letter of Credit will expire in less than thirty (30) days, it has not been replaced or extended and collateral is still required under Section \_\_\_\_\_ of the Standard Form Contract for Phase 2, CBRE Mid-Tier RDG PPA.

Such drafts must bear the clause "Drawn under [Bank's Name and Letter of Credit Number and date of Letter of Credit.]"

All demands for payment shall be made by presentation of originals or copies of documents, by facsimile transmission of documents to [Bank Fax Number] or other such number as specified from time to time by the bank, or by email transmission of documents to [Bank Email Address] or other such email address as specified from time to time by the bank. If presentation is made by facsimile or email transmission, you may contact us at [Bank Phone Number] to confirm our receipt of the transmission. Your failure to seek such a telephone confirmation does not affect our obligation to honor such a presentation. If presented by facsimile or email, original documents are not required.

This letter of credit shall expire one year from the date hereof. Notwithstanding the foregoing, however, this letter of credit shall be automatically extended (without amendment of any other term and without the need

for any action on the part of the undersigned or Beneficiary) for one year from the initial expiration date and each future expiration date unless we notify you in writing at least thirty (30) days prior to any such expiration date that this letter of credit will not be so extended. Any such notice shall be delivered by registered or certified mail, or by FedEx, both to [revise for HELCO or MECO, as appropriate]:

Manager, DER Operations Hawaiian Electric Company,  
Inc. 220 South King Street, 21st Floor  
Honolulu, Hawai'i 96813

and to

SVP & Chief Financial Officer Hawaiian Electric Company, Inc.  
900 Richards Street, 4th Floor  
Honolulu, Hawai'i 96813

We hereby agree with drawers that drafts and documents as specified above will be duly honored upon presentation to [Bank's Name] and [Bank's Address] if presented on or before the then-current expiration date hereof.

Payment of any amount under this Letter of Credit by [Bank] shall be made as the Beneficiary shall instruct on the next Business Day after the date the [Bank] receives all documentation required hereunder, in immediately available funds on such date. As used in this Letter of Credit, the term "Business Day" shall mean any day other than a Saturday or Sunday or any other day on which banks in the State of Hawai'i are authorized or required by law to be closed.

Unless otherwise expressly stated herein, this irrevocable standby letter of credit is issued subject to the rules of the International Standby Practices, International Chamber of Commerce publication no. 590 ("ISP98").

[Bank's Name]:

By:

[Authorized Signature]

---END---

## ATTACHMENT H

### BESS REQUIREMENTS

#### SECTION 1 - BESS TESTS

Prior to achieving Commercial Operations and in each BESS Measurement Period, unless waived by Company, Subscriber Organization shall demonstrate that the BESS satisfies the following:

- Maintains output provided by the Company through a control setpoint, as measured at the Point of Interconnection, and is able to continuously dispatch the full BESS Contract Capacity ("BESS Capacity Test").
- Demonstrates the charging/discharging requisite to satisfy the performance standard set forth in Section 3(w) (Round Trip Efficiency) of Attachment B (Facility Owned by Subscriber Organization) ("RTE Test").

The RTE Test requires measurement of Charging Energy at the Point of Interconnection (MWh from the grid) from BESS 0% State of Charge to bring the BESS to a 100% State of Charge, followed by measurement at the Point of Interconnection of the MWh delivered to the grid to bring the BESS to a 0% State of Charge. The RTE Test will be conducted concurrently with the BESS Capacity Test.

The BESS Capacity Test can only be performed when the BESS is at the lower of: (i) its maximum State of Charge or (ii) 100% State of Charge prior to the start of the BESS Capacity Test and during the BESS Capacity Test the Company Dispatch allows for continuous dispatch of the BESS to 0% State of Charge with energy delivered to the Point of Interconnection.

For the purposes of evaluating the BESS Capacity Test, the "BESS Capacity Ratio" shall be equal to the number, expressed as a percentage, equal to the total MWh delivered to the Point of Interconnection during the BESS Capacity Test, divided by the BESS Contract Capacity. Further, the BESS Capacity Test will be deemed to be "passed" or "satisfied" to the extent the BESS Capacity Ratio is not less than **100%** (the "BESS Capacity Performance Metric").

For the purposes of evaluating the RTE Test, the RTE Ratio shall be equal to the number, expressed as a percentage, equal to the total MWh delivered to the Point of Interconnection during the BESS Capacity Test, divided by the "Charging Energy" measured at the Point of Interconnection. For purposes of the RTE Test, the



charging cycle shall begin when the BESS is at a 0% State of Charge prior to the commencement of the BESS Capacity Test and the Charging Energy is the amount of energy imported from the grid, as measured at the Point of Interconnection, that brings the BESS to a 100% State of Charge. The formula is  $RTE\ Ratio = \frac{MWh\ discharge}{MWh\ charge}$ . The RTE Test will be deemed to have been "passed" or "satisfied" to the extent the RTE Ratio is not less than the performance standard (the "RTE Performance Metric") set forth in Section 3(o) (Round Trip Efficiency of Attachment B (Facility Owned by Subscriber Organization)).

Except for the BESS Capacity Test conducted prior to Commercial Operations, Subscriber Organization shall, in lieu of conducting a BESS Capacity Test, be permitted to demonstrate satisfaction of the BESS Capacity Performance Metric by reference to the operational data reflecting the net output of the BESS from the Point of Interconnection for such BESS Measurement Period.

Except for the RTE Test conducted prior to Commercial Operations, Subscriber Organization shall, in lieu of conducting a RTE Test, be permitted to demonstrate satisfaction of the RTE Performance Metric by reference to the operational data reflecting the charging/discharging of the BESS from the Point of Interconnection during such BESS Measurement Period.

Any BESS Capacity Test or RTE Test (each a "BESS Test" and collectively, the "BESS Tests"), other than where the BESS Capacity Performance Metric or RTE Performance Metric, as applicable, is demonstrated by reference to operational data as provided below, shall be performed at a time reasonably requested by the Company in its sole discretion. For purposes of the preceding sentence, the PV System may be shutdown to ensure there are no restrictions or limitations imposed that would lower the maximum output of the BESS, provided that any such shutdown of the PV System would be considered Reserve Shutdown Hours for the purpose of calculation of the PV System Equivalent Availability Factor pursuant to Section 2.5(a) (Calculation of the PV System Equivalent Availability Factor). Within a BESS Measurement Period, Subscriber Organization shall be permitted up to a total of three (3) BESS Tests to demonstrate satisfaction of the BESS Capacity Performance Metric and the RTE Performance Metric for such BESS Measurement Period, unless additional such tests are authorized by Company. Company shall provide notice to Subscriber Organization no less than three (3) Business Days prior to conducting a BESS Test.

At any time prior to conducting the third BESS Capacity Test noticed by Company for a BESS Measurement Period, Subscriber Organization may demonstrate satisfaction of the BESS Capacity Performance Metric by reference to operational data reflecting the net output of the BESS from the Point of Interconnection for such BESS Measurement Period. If, during a BESS Measurement Period, Subscriber Organization both fails to pass a BESS Capacity Test noticed by Company and fails to demonstrate satisfaction of the BESS Capacity Performance Metric by reference to operational data for such BESS Measurement Period, the BESS shall nevertheless be deemed to have satisfied the BESS Capacity Performance Metric for the applicable BESS Measurement Period if either (i) Company failed to notice at least three BESS Capacity Tests during such BESS Measurement Period, or (ii) Subscriber Organization was unable to perform at least two (2) such noticed BESS Capacity Tests during such BESS Measurement Period due to (a) conditions on the Company System other than Subscriber Organization-Attributable Non-Generation or (b) an act or omission by Company.

At any time prior to conducting the third RTE Test noticed by Company for a BESS Measurement Period, Subscriber Organization may demonstrate satisfaction of the RTE Performance Metric by reference to operational data reflecting charging/discharging of the BESS from the Point of Interconnection during such BESS Measurement Period. If, during a BESS Measurement Period, Subscriber Organization both fails to pass a RTE Test noticed by Company and fails to demonstrate satisfaction of the RTE Performance Metric by reference to operational data for such BESS Measurement Period, the BESS shall nevertheless be deemed to have satisfied the RTE Performance Metric for the applicable BESS Measurement Period if either (i) Company failed to notice at least three RTE Tests during such BESS Measurement Period, or (ii) Subscriber Organization was unable to perform at least two (2) such noticed RTE Tests during such BESS Measurement Period due to (a) conditions on the Company System other than Subscriber Organization-Attributable Non-Generation or (b) an act or omission by Company.

Company shall have the right to attend, observe and receive the results of all BESS Tests. Subscriber Organization shall provide to Company the results of each BESS Test (including time stamped graphs of system performance based in operational data or test data) no later than ten (10) Business Days after the performance of such BESS Test.

## **SECTION 2 – BESS ANNUAL EQUIVALENT AVAILABILITY FACTOR**

To the extent the Commercial Operations Date occurs on a date other than the first day of a BESS Measurement Period, the period between the Commercial Operations Date and the first day of the next BESS Measurement Period if any, shall be ignored for purposes of this BESS Availability Test.

For the purposes of calculating the BESS Annual Equivalent Availability Factor for the first three (3) full BESS Measurement Periods in the first Contract Year, the calculation will assume that the BESS is one hundred percent (100%) available for the remaining hours of the Contract Year.

“BESS Annual Equivalent Availability Factor” shall be calculated as follows:

$$\text{BESS Annual Equivalent Availability Factor} = 100\% \times \frac{AH - EPDH - EUDH}{PH}$$

Where:

PH is period hours (8760 hours; except leap year is 8784)

Available Hours (AH) is the number of hours that the BESS is not on Outage. It is sum of all Service Hours (SH) + Reserve Shutdown Hours (RSH).

An “Outage” exists whenever the entire BESS is offline and unable to charge or discharge electric energy and is not in Reserve Shutdown state.

Service Hours (SH) is the number of hours during the LD Period the BESS is online and (i) charging from the PV System or (ii) discharging electric energy to the Company System.

Reserve Shutdown Hours (RSH) is the number of hours the BESS is available but not charging or discharging electric energy or is offline for reasons other than Subscriber Organization-Attributable Non-Generation.

EPDH is the equivalent planned derated hours, including Planned Derations (PD) and Maintenance Derations (D4). A Planned Deration is when the BESS experiences a Deration scheduled well in advance and for a predetermined duration. A Maintenance Deration is a Deration that can be deferred beyond the end of the next weekend (Sunday at midnight or before Sunday turns into Monday) but requires a reduction in capacity before the next Planned Deration (PD). Each individual Deration is transformed into equivalent full outage hour(s) by multiplying the actual duration of the Deration (hours) by (i) the size of the reduction (MW) divided by (ii) Maximum Rated Output. These equivalent hour(s) are then summed.

EUDH is the equivalent unplanned derated hours. An Unplanned Deration (Forced Derating) occurs when the BESS experiences a Deration that requires a reduction in availability before the end of the nearest following weekend. Unplanned Derations include only those due to Subscriber Organization-Attributable Non-Generation or those by Company pursuant to Section 8.3 (Company Rights of Dispatch). Each individual Unplanned Deration is transformed into equivalent full outage hour(s) by multiplying the actual duration of the Deration (hours) by (i) the size of the reduction (MW) divided by (ii) the Maximum Rated Output. These equivalent hour(s) are then summed.

A “Deration” exists when, due to Subscriber Organization-Attributable Non-Generation, the BESS is available but at less than full capacity. Each individual Deration is transformed into equivalent full outage hour(s) by multiplying the actual duration of the derating (hours) by the size of the reduction (MW) and dividing by the Maximum Rated Output. These equivalent hour(s) are then summed. For the avoidance of doubt, if the BESS is in an Outage it cannot also be in a Deration.

The effect of Force Majeure is taken into account in calculating the BESS Annual Equivalent Availability Factor over a 12 calendar month period as follows: When such 12 month period contains a month during which the BESS or a portion of the BESS is unavailable due to Force Majeure, then such month shall be excluded from the 12 month period and the calculation period shall be extended back in time to include the next previous month during which there was no such unavailability of the BESS or a portion thereof due to Force Majeure.

The following examples are provided as illustrative examples only:

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*Example A:* BESS System was continuously available, with no maintenance or Unplanned (Forced) Derations. In this case AH = 8760, EPDH and EUDH = 0 hours

$$\text{BESS EAF} = 100\% \times \frac{8,760-0}{8,760} = 100\%$$

*Example B:* Maintenance Deration Hours = 168 hours

Equivalent Unplanned (Forced) Derated Hours = 100 hours

$$\text{AH} = 8,760 - 168 = 8,592$$

$$\text{BESS EAF} = 100\% \times \frac{8,592-100}{8,760} = 96.9\%$$

### **SECTION 3 - BESS ANNUAL EQUIVALENT FORCED OUTAGE FACTOR**

$$\text{EFOF} = 100\% \times \frac{(\text{FOH} + \text{EUDH})}{8760}$$

Where:

Equivalent Unplanned (Forced) Derated Hours (EUDH) is the equivalent unplanned derated hours. Each Unplanned (Forced) Deration of the BESS is transformed into equivalent full outage hour(s). This is calculated by multiplying the actual duration of the Deration (hours) by (i) the size of the reduction (MW) divided by (ii) the Maximum Rated Output. These equivalent hour(s) are then summed for the BESS Measurement Period and added to the sum of the EUDH for the immediately preceding three (3) full BESS Measurement Periods.

- Hours of Deration x Size of Reduction)/Maximum Rated Output

Unplanned (Forced) Outage Hours (FOH) = Sum of all hours experienced during Unplanned (Forced) Outages during the applicable BESS Measurement Period and the sum of all hours experienced during Unplanned (Forced) Outages during the immediately preceding three (3) full BESS Measurement Periods, in each case caused by Subscriber Organization-Attributable Non-Generation.

Unplanned (Forced) Derating: A Derating that requires a reduction in capacity of the BESS before the end of the nearest following weekend.

Unplanned (Forced) Outage: An outage that requires removal of the entire BESS from service before the end of the nearest following weekend that is not planned.

EXAMPLE CALCULATION:

Assume a 50 MW BESS that for the BESS Measurement Period in question was completely out of service for 50 hours. For the BESS Measurement Period in question, it also had the following deratings:

Duration of Derating	MW Size Reduction
100 Hours	25 MW
20 Hours	20 MW
50 Hours	5 MW

During the three preceding BESS Measurement Periods, the BESS had a total of 150 Forced Outage Hours and a total of 100 Equivalent Forced Derated Hours.

$$FOH = 50 \text{ hours} + 150 \text{ hours} = 200 \text{ hours}$$

$$EUDH = ((100 \times 25) / 50) + ((20 \times 20) / 50) + ((50 \times 5) / 50) + 100 = 163 \text{ hours}$$

$$EFOF = 100\% \times \frac{(200 + 163)}{8760} = 4.1\%$$

---END---

**ATTACHMENT I  
FACILITY'S CBRE PROGRAM**

**[DRAFTING NOTE: THIS ATTACHMENT I WILL BE COMPLETED BASED ON THE FINAL FORM OF THE PHASE 2 TARIFF.]**

1. CBRE Program. The purpose of the CBRE Program is to facilitate the continued expansion of renewable energy by allowing developers of renewable energy projects to provide Company's retail customers with the opportunity to avail themselves of the benefits of the CBRE Tariff by utilizing CBRE Credits to offset all or a portion of their on-going electricity usage. To this end, Subscriber Organization has established Facility's CBRE Program. Subscriber Organization acknowledges that it has been informed that Facility's CBRE Program must at all times comply with the requirements of the CBRE Program, the CBRE Tariff, the CBRE Framework, guidance from the PUC, guidance from the CBRE IO, and applicable Laws, including (i) the federal securities laws, including the registration requirements under the Securities Act of 1933 and the Securities and Exchange Act of 1934 and all rules and regulations promulgated thereunder (collectively, "Federal Securities Laws"); (ii) the State securities laws, including the registration requirements under the Hawai'i Uniform Securities Act and all rules and regulations promulgated thereunder (collectively, "State Securities Laws"); (iii) Laws concerning the dissemination of personally identifiable information; and (iv) Laws concerning consumer protection. The purpose of this Attachment I (Facility's CBRE Program) is to set forth certain requirements of the CBRE Program as of the Execution Date. Company reserves the right to modify the requirements of the CBRE Program if Company reasonably concludes that such modifications are necessary to comply with the CBRE Tariff, the CBRE Framework, guidance from the PUC, guidance from the CBRE IO, applicable Laws, and Subscriber Organization shall comply with all such modifications. Without limitation to the generality of the foregoing, in the event of any conflict between the requirements of the CBRE Program, on the one hand, and any one or more of the CBRE Tariff, the CBRE Framework, guidance from the PUC, guidance from the CBRE IO, and/or applicable Laws, on the other hand, the CBRE Tariff, the CBRE Framework, guidance from the PUC, guidance from the CBRE IO, and applicable Laws, shall control and Subscriber Organization shall comply with the CBRE Tariff, the CBRE Framework, guidance from the PUC, guidance from the CBRE IO, and applicable Laws.
2. Additional Representations of Subscriber Organization. Subscriber Organization represents, warrants and covenants that:
  - (a) Subscriber Organization shall disclose to each Account Holder before enrolling such Account Holder as a Subscriber:
    - (1) Subscriber Organization's experience in developing and operating renewable energy projects similar to the Facility.
    - (2) The circumstances under which the Lump Sum Payment can be reduced through the OEPR process and the impact of such reduction on Bill Credits.
    - (3) The circumstances under which the Bill Credits can be reduced if Performance Metrics LDs are unpaid by Subscriber Organization.

- (b) Subscriber Organization shall not knowingly allow the transfer of any Subscriber Allocations at a price other than that set forth in the repurchase/resale price schedule attached to the Subscription Agreement.
- (c) Facility's CBRE Program:
  - (1) As of the Execution Date, complies with all applicable Federal Securities Laws, and shall continue to be in compliance for the duration of Facility's CBRE Program.
  - (2) As of the Execution Date, complies with all applicable State Securities Laws, and shall continue to be in compliance for the duration of Facility's CBRE Program.
  - (3) As of the Execution Date, complies with all applicable Laws concerning the dissemination of personally identifiable information, and shall continue to be in compliance for the longer of (i) the duration of Facility's CBRE Program and (ii) for as long as Subscriber Organization continues to hold or otherwise have access to any personally identifiable information of Account Holders or former customers of Company.
  - (4) As of the Execution Date, complies with all applicable Laws concerning consumer protection, and shall continue to be in compliance for the duration of Facility's CBRE Program.
  - (5) Shall achieve the various Subscriber thresholds set forth in Section 5(a)(ii)(aa) through (ee) of Attachment J (Company Payments for Energy, Dispatchability and Availability of BESS).
- 3. Marketing and Sales of the Subscriber Allocations. Subscriber Organization represents, warrants and covenants that Subscriber Organization's marketing and sale of the Subscriber Allocations, including but not limited to Subscriber Organization's marketing and sales materials, shall comply with all applicable Federal Securities Laws and State Securities Laws
- 4. CBRE Online Portal and CBRE Program Data.
- 5. Additional Responsibilities. Subscriber Organization shall perform the responsibilities of "Subscriber Organizations" under the CBRE Framework and the CBRE Tariff, including but not limited to complying with the Subscriber Agreement requirements, complying with the consumer protection measures, unlocking the market for LMI Subscribers and data collection requirements. Subscriber Organization shall cooperate with the CBRE IO as and when requested by the CBRE IO to facilitate the performance of the CBRE IO's responsibilities under the CBRE Framework.
- 6. LMI Subscribers.
  - a. If Subscriber Organization's Facility has been awarded a project from one of Company's CBRE LMI RFP's, then Subscriber Organization has proposed, and hereby agrees, that all Subscribers enrolled for Subscriptions in the Facility CBRE Program for this Facility shall be LMI Subscribers.
  - b. If Subscriber Organization, in its bid in response to any other Company CBRE RFP, has pledged to recruit a certain percentage of LMI Subscribers for its Facility CBRE Program, then Subscriber Organization hereby agrees to recruit LMI Subscribers to meet this pledged commitment for LMI Subscribers into Subscriber Organization's Facility CBRE Program.

- c. If Subscriber Organization has an LMI Subscriber commitment under either Section 8(a) or Section 8(b) of this Attachment Q (Facility's CBRE Program), then Subscriber Organization shall comply with the requirements of Part III of the CBRE Tariff to (1) qualify LMI Subscribers, (2) provide verification of Subscriber Organization's confirmation efforts to verify such LMI Subscribers' qualifications upon Company's request, and (3) comply with the minimum applicable requirements for LMI Subscribers and report monthly Subscriber Organization's LMI Subscriber percentage status for Company's review. Subscriber Organization understands and agrees that failure to maintain the required percentages of LMI Subscribers in Subscriber Organization's Facility CBRE Program may subject Subscriber Organization to payment reductions and/or liquidated damages as specified in the CBRE Tariff.



# EXHIBIT 12

Proposed Shared Savings Mechanism for CBRE Phase 2

**Exhibit 12**  
**CBRE Phase 2**  
**Hawaiian Electric Companies' Shared Savings Mechanism Proposal**

In Order No. 37070, *Commencing Phase 2 of the Community-Based Renewable Energy Program*, issued on April 9, 2020 (“Order No. 37070”), the State of Hawai‘i Public Utilities Commission (“Commission”) stated that for Phase 2 of the Community-Based Renewable Energy (“CBRE”) Program (“CBRE Phase 2”), the Companies would have an “opportunity to share in savings they generate for ratepayers, based on savings they deliver below benchmarks that the Commission may establish based on avoided generation costs, locational benefits where appropriate, timely progress on contract negotiation and commercial operation, and other factors.”<sup>1</sup> The Companies offer the following proposed Shared Savings Mechanism (“SSM”) for the Commission’s review in response to Order No. 37070.

The Companies’ proposed CBRE Phase 2 SSM builds off the SSMs in place for the Companies’ Stage 1 and Stage 2 Renewable RFPs, while taking into account CBRE-specific details.

**Proposed SSM for CBRE Phase 2 Tariff Projects (Small Projects <250 kW)**

For CBRE Small Projects less than 250 kW, pricing will be set pursuant to the Commission’s Order No. 37070 unless the Companies need to institute the Competitive Credit Rate Procurement mechanism (in the event that project applications exceed program capacity). As such, the Companies did not follow the same methodology in developing benchmark pricing for CBRE Small Projects as done in developing the proposed SSMs for CBRE Phase 2 RFP Mid-Tier and Large Projects as described below. Instead, for Small Projects, the Companies propose to utilize the DER Asset Effectiveness Performance Incentive Mechanism (“PIM”), which is designed as an SSM and already developed and proposed in the Commission’s Performance Based Regulation (“PBR”) proceeding, Docket No. 2018-0088. Leveraging this SSM is intended to have the benefits of simplifying SSMs, staying aligned with already proposed PBR SSMs, and consistent with Order No. 37070, encouraging Phase 2 CBRE Small Projects to include storage and provide grid services.

The following is a summary of the Companies’ proposed DER Asset Effectiveness PIM:

*DESCRIPTION OF PIM:* Consistent with the Commission’s direction to “incent greater and more meaningful utilization of DERs and other customer sited assets,”<sup>2</sup> this proposed PIM is based on a shared savings approach for DER Asset utilization enabled via DER and DR programs, with a maximum reward equivalent to 30% of estimated savings. If services are procured at less than the determined value of that service, then the savings for customers will be shared. Lower cost procurement of these vital resources will maximize the use of and

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<sup>1</sup> See Order No. 37070 at 26, 31, and 33.

<sup>2</sup> Decision and Order No. 36326, filed on May 23, 2019, in Docket No. 2018-0088, at 48.

increase the effectiveness of these assets while also providing system benefits and value to customers.

*RATIONALE FOR PIM:* This shared savings PIM for the procurement and/or programmatic-based utilization of customer-sited distributed energy resources represents a consistent approach to that which was filed as part of the combined Phase 2 RFP and Grid Services RFP PIM (“proposed Phase 2 RFP PIM”) and utilizes the value of services developed by the Companies for the various grid services. The scope of this PIM would not overlap with the proposed Phase 2 RFP PIM. This currently proposed PIM’s structure offers an award based on the realization of system value. These values can be redefined with every iteration of the IGP on a 3-year cycle and create the baseline to define and determine savings. It ties the PIM to cost-efficiencies delivered by the utilization of customer-sited investments including DER utilization specifically that is enabled via grid services programs.<sup>3</sup>

For the first baseline valuation of grid services to be used for this PIM, the Companies propose to wait for that valuation to come out of the IGP process, which is estimated to be completed in the fall of 2021. Subsequently, as mentioned above, values can be redefined with every iteration of the IGP on a 3-year cycle.

### **Proposed SSM for CBRE Phase 2 RFP Mid-Tier and Large Projects (Projects >250 kW)**

#### *Benchmark Pricing*

The Companies propose that the benchmark pricing should be higher than recently set in the Companies’ Stage 2 Renewable RFP for several reasons. First, CBRE developers will incur administration costs and are therefore likely to have a premium added. Second, the projects are likely to be much smaller in size and will not have the economies of scale that the larger Stage 1 and Stage 2 Renewable RFP projects can benefit from. Third, the CBRE Phase 2 RFPs do not require developers to include the State of Hawai‘i renewable tax credit in their proposal pricing. Instead, if received, State tax credits would be passed through to customers approximately two years after a project reaches commercial operations. Further, there are bills currently before the Legislature, which may end the tax credit for utility scale projects.

The Companies propose to base the benchmarks on the PV and PV + storage resource costs from the proposed IGP assumptions<sup>4</sup> for commercial systems (20 kW to 5 MW). As discussed in the Solution Evaluation & Optimization Working Group (“SEOWG”), the source data for capital

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<sup>3</sup> Phase 2 Statement of Position of the Hawaiian Electric Companies, filed on June 18, 2020, in Docket No. 2018-0088, at 198-199.

<sup>4</sup> Available at

[https://www.hawaiianelectric.com/documents/clean\\_energy\\_hawaii/integrated\\_grid\\_planning/stakeholder\\_engagement/working\\_groups/solution\\_evaluation\\_and\\_optimization/20200602\\_wg\\_seo\\_resource\\_cost\\_forecast.xlsx](https://www.hawaiianelectric.com/documents/clean_energy_hawaii/integrated_grid_planning/stakeholder_engagement/working_groups/solution_evaluation_and_optimization/20200602_wg_seo_resource_cost_forecast.xlsx)

and fixed operations and maintenance (“O&M”) costs are from the IHS Markit U.S. Benchmark Capital Cost for PV Technology. The capital costs are in nominal dollars \$/kWdc.<sup>5</sup> The fixed O&M costs are in nominal \$/kW-year. The capital costs were adjusted to remove embedded interconnection and land cost components from the estimate. The future trend for the capital cost was derived from the IHS Markit projections. The future cost for O&M was derived by applying a future escalation factor. Because interconnection costs are not included in the resource cost assumptions, the Companies propose to further adjust the benchmark prior to the issuance of the final RFPs based upon a standard interconnection cost once the Companies finalize the draft typical single line diagram (“SLD”) interconnection for CBRE projects shown in Appendix H of the RFP.

A location adjustment factor was applied to convert both capital costs (\$/kW) and O&M costs (\$/kW-year) to Hawai‘i costs. The location adjustment factor for capital was provided by the U.S. Energy Information Administration (EIA) and the location adjustment factor for fixed O&M costs was provided by the RSMMeans City Cost Index.

The resource cost provided on the IGP SEOWG website for year 2020 was adjusted upward by 35% for purposes of these benchmarks because as noted, the CBRE Phase 2 Projects will not include a state tax credit in their pricing.

Based on the National Renewable Energy Laboratory (“NREL”) Technical Report “U.S. Solar Photovoltaic System Cost Benchmark: Q1 2018”,<sup>6</sup> the Companies are proposing to add a 14% adder to the IGP resource costs for CBRE Phase 2 projects on O‘ahu, Maui, and Hawai‘i Islands to account for the typical customer acquisition costs of residential customers that Subscriber Organizations may need to incur.

For paired solar + storage projects, reductions in the energy storage costs<sup>7</sup> were made to capture cost reductions by co-locating solar with storage following guidance provided by IHS Markit. Balance of plant costs were reduced by [REDACTED] installation costs were reduced by [REDACTED] and development costs were reduced by [REDACTED]

The IGP resource costs represent the total capital costs of a solar or solar + storage resource rather than an annual lump sum payment. To create an “apples to apples” comparison to a bidder’s lump sum payment, the Companies then multiplied those \$/kW total capital costs by a representative [REDACTED] kW system to calculate the total capital dollars. The total capital dollars

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<sup>5</sup> Capital costs for PV were converted from \$/kWdc to \$/kWac. For commercial and residential PV, a DC to AC conversion factor of 1.15 was used. For grid-scale PV, a conversion factor of 1.3 was used. These conversion factors are based on assumptions provided by IHS Markit.

<sup>6</sup> NREL/TP-6A20-72399, November 2018 at 19 describes that in the Hawai‘i market, customer acquisition costs represented 14% of the residential cost per Watt. Or \$0.41 of the \$2.85 per watt.

<sup>7</sup> Available at

[https://www.hawaiianelectric.com/documents/clean\\_energy\\_hawaii/integrated\\_grid\\_planning/stakeholder\\_engagement/working\\_groups/solution\\_evaluation\\_and\\_optimization/20200602\\_wg\\_seo\\_resource\\_cost\\_forecast.xlsx](https://www.hawaiianelectric.com/documents/clean_energy_hawaii/integrated_grid_planning/stakeholder_engagement/working_groups/solution_evaluation_and_optimization/20200602_wg_seo_resource_cost_forecast.xlsx)

were converted to an annual payment using a [REDACTED] discount rate over 20 years to imitate a lump sum payment for the 20-year term of the PPA or SFC. The levelized revenue requirement factor for a PV resource was used as a proxy for the discount rate. The calculated annual payment was then divided by the [REDACTED] kW capacity of the representative system to convert the annual payment into a \$/kW benchmark to be compared against the prospective CBRE proposals' lump sum payments.

Following the process described above, the Companies propose the following benchmarks for pricing, which as noted above shall be further adjusted prior to the issuance of any CBRE Phase 2 RFP to include interconnection and land costs which are not currently included in the benchmarks:

For O'ahu, Maui and Hawai'i Islands Non-Low- and Moderate-Income ("LMI") and Moloka'i and Lāna'i RFPs

Generation Only price: [REDACTED] \$/kW

Generation + Storage price: [REDACTED] \$/kW

For O'ahu, Maui and Hawai'i Islands LMI RFPs

It is likely that the LMI projects will have more administrative costs and will therefore be slightly more expensive than projects that are not dedicated fully to serving LMI customers. The Commission recognized this stating in Order No. 37070, "Although the Commission encourages the Companies to pursue such shared savings opportunities, the Commission expects costs for LMI projects may be higher than other CBRE facilities."<sup>8</sup> The Companies therefore propose a [REDACTED] adder for LMI RFPs as set forth below for projects dedicated fully to LMI. This accounts for the 14% adder based on the NREL study and an additional [REDACTED] adder for the LMI program components.<sup>9</sup> This [REDACTED] adder is to account for the higher administrative and financing costs associated with a 100% dedicated LMI facility. LMI participation will need to be financed and so will be at a higher risk, but is important to serve this harder to reach community.

Generation Only price: [REDACTED] \$/kW

Generation + Storage price: [REDACTED] \$/kW

As this will be the first time that CBRE projects are competitively bid in Hawai'i, the Companies propose that the Commission allow flexibility to adjust these pricing benchmarks upward, especially for projects that will provide non-wire alternative and resiliency benefits, and LMI-dedicated facilities as the market properly reflects pricing.

*Shared Savings Split*

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<sup>8</sup> Order No. 37070 at 33.

<sup>9</sup> See <https://suncommon.com/vt/low-income-solar/>

The Companies propose a split in savings for 80% customers/20% utility as modified below based on the application filing date for projects which require Commission approval and based on the signing date of the power purchase agreement (“PPA”) for projects that do not require Commission approval.<sup>10</sup>

*Eligibility*

- Given that CBRE Phase 2 could see hundreds of different projects given the size of the program and the relatively small size of the projects, the Companies propose that in order to receive the full 20% of savings the first projects that require filing a PPA for approval be filed with the Commission starting within 6 months after the selection date of the applicable RFP, and projects that do not require Commission approval be executed within 6 months after the selection date of the applicable RFP. If projects are filed or executed, as applicable within the first 5 months, the Companies propose that the split of savings be changed to 75%/25% to reward the Companies for early completion. For every month after that the Companies’ share would be reduced as follows:

<b>Date of filed application for approval of PPA/Signing of SFC</b>	1-5 Months after Project Selection Date	6 Months after Project Selection Date	7 Months after Project Selection Date	8 Months after Project Selection Date	9 Months after Project Selection Date	10 Months after Project Selection Date	11 Months after Project Selection Date
<b>SSM</b>	25%	20%	15%	12.5%	10%	7.50%	5%

- Project must have pricing below the benchmarks specified above.
- Self-build and affiliate projects are eligible if they meet the eligibility criteria.

*Timing of Award*

The Companies propose that the first allocation should be based upon approval of the PPA by the Commission, for projects that require approval, and upon execution of the PPA, for projects that do not require Commission Approval. The first allocation would be as follows:

- Based on 20% share of savings of the lump sum payment compared to the applicable benchmark, multiplied by the project capacity in kW bid by the developer.
- Example using a non-LMI project on O‘ahu which is PV Only:

<sup>10</sup> Per Order No. 37070, projects between 250 kW and up to 2.5 MW on Maui and Hawai‘i island and up to 5 MW on O‘ahu do not require filing the PPA with the Commission for approval. The signing date of the PPA will be the date the PPA is signed prior to an interconnection requirements amendment study, which will occur at a later date.

- Lump Sum Payment Bid = \$200,000
- Project Proposed Capacity = 1,000 kW
- Benchmark \$/kW for non-LMI, Generation Only = [REDACTED] \$/kW
- Proxy Lump Sum Payment Using Benchmark = 1,000 kW x [REDACTED] \$/kW = [REDACTED]
- Savings = [REDACTED] - \$200,000 = [REDACTED]
- 20% of [REDACTED] = [REDACTED]

The remaining PIM allocations to the Companies would begin after the project achieves commercial operations for years 2-8 of commercial operations upon a showing to the Commission that the equivalent availability factor for the project met the availability benchmark. The Companies will submit a report of the equivalent availability factor of each of the projects as calculated pursuant to the applicable PPA at the end of each contract year. If the equivalent availability factor does not meet the availability benchmark, then the award for such year will be prorated in proportion to the actual equivalent availability factor of the projects.

While the SSMs in the Stage 1 and Stage 2 Renewable RFPs have been based on the amount of energy accepted by the Companies, the Companies continue to stress that such treatment does not align with the purpose, intent and benefits of the Companies' Renewable Dispatchable Generation Power Purchase Agreement ("RDG PPA"). While the Companies understand concerns raised in the past that the SSM should incentivize the Companies to procure resources that provide the fullest value to the system, basing the SSM on energy delivered does not incentivize the Companies to take full advantage of the procured resources. Simply put, taking the highest amount of energy from resources is not a measure that procured resources are utilized in the best manner for customers: to minimize costs, maintain reliability, increase RPS and reduce carbon emissions. The purpose of moving to the RDG PPA structure is to provide dispatch flexibility and leverage the full potential for renewables to provide the necessary grid services required for reliable and resilient grid operation, including balancing services (reserves, frequency response, regulation). These services are presently supplied by fossil fuel fired generators. To move forward to the 100 percent renewable energy future, these will need to be provided by the renewable resources on the system. In other words, energy that is available but not necessarily taken by the grid, still provides benefits to customers to the extent that the available energy stands ready to provide services such as frequency response and regulation, among other services.

In the future operation, the Companies intend to use renewable facilities to supply the regulating and contingency reserves by dispatching the facility below its maximum capability to allow for upwards regulation (the ability of the renewable facility to provide regulating reserves is enhanced if it is paired with storage). In this instance, the need to maintain fossil fuel online capability would be reduced while still maintaining grid reliability. Although the Companies would not be utilizing all of the facility's available renewable energy under such circumstances, the net result would be the reduction in the use of fossil fuel. There are many factors that

influence the ability to take all energy including changes in customer demand, time of day of production, availability of other must-take energy resources, reliability and resiliency considerations. To enable the system to be designed and operated to achieve the renewable goals, manage costs, and maintain acceptable reliability, the Companies need the flexibility in their planning, procurement and operation of resources into the future. As the Companies approach 100 percent renewable energy, and fossil generation is displaced, renewable projects will be increasingly be relied upon for reserves and balancing services. Therefore, the Companies believe the best measure of a successful procurement is the project delivering the requirements of the contract for resource and energy capabilities and availability.

The following is example of how the entire SSM would work together assuming the same non-LMI PV Only O‘ahu project mentioned above.

<b>Project Details:</b>			
<b>Technology:</b>	Solar		
<b>Benchmark:</b>	[REDACTED]	/kW	
<b>Bid Capacity:</b>	1,000	kW	
<b>Lump Sum Payment:</b>	\$200,000		
<b>Proxy Lump Sum Payment using Benchmark:</b>	[REDACTED]		
<b>Estimated Yearly Savings:</b>	[REDACTED]		
<b>Availability Benchmark</b>	98.00%		
<b>20% of 1 Year Savings:</b>	[REDACTED]		
<b>Term:</b>	20	Years	
<b>Contract Year:</b>	<b>EAF</b>	<b>Pro Rata %</b>	<b>20% yearly savings adjusted for pro rata %</b>
<b>1</b>			[REDACTED]
<b>2</b>	98.00%	100.00%	[REDACTED]
<b>3</b>	99.00%	100.00%	[REDACTED]
<b>4</b>	97.80%	99.80%	[REDACTED]
<b>5</b>	97.50%	99.49%	[REDACTED]
<b>6</b>	98.00%	100.00%	[REDACTED]
<b>7</b>	98.50%	100.00%	[REDACTED]
<b>8</b>	97.00%	98.98%	[REDACTED]



# EXHIBIT 13

## Confidentiality Justification Table

**EXHIBIT 13: CONFIDENTIALITY JUSTIFICATION TABLE**

The Hawaiian Electric Companies hereby identify redacted confidential and/or proprietary information that is being submitted confidentially until the issuance of a Protective Order in this docket. The following table: (1) identifies, in reasonable detail, the confidential information's source, character, and location; (2) states clearly the basis for the claim of confidentiality; and (3) describes, with particularity, the cognizable harm to the producing party or participant from any misuse or unpermitted disclosure of the information.

<b>Reference</b>	<b>Identification of Item</b>	<b>Basis of Confidentiality</b>	<b>Harm</b>
<p>Exhibit 12 CBRE Phase 2 Hawaiian Electric Companies' Shared Savings Mechanism Proposal, pages 3-4 and 6-7</p>	<p>Exhibit 12 contains project details including benchmark pricing and information used to develop such pricing that would allow calculation of the Companies' pricing benchmark.</p>	<p>Confidential commercial, financial and cost information which falls under the frustration of legitimate government function exception of the Uniform Information Practices Act ("UIPA").</p>	<p>Public disclosure of the subject information could harm the Companies by placing them at a competitive disadvantage, and may jeopardize the Companies' current or future competitive procurements and contract negotiations. The Companies believe that if the subject information is disclosed to third parties, such information could be used to derive pricing proposals for potential projects and third parties would receive an unfair business advantage resulting in prejudice to the Companies and their customers.</p>
			<p>The Companies maintain that the subject information falls under the frustration of legitimate government function exception of the UIPA, as disclosure of subject information would impair the Commission's ability to obtain necessary information to properly perform its review of this regulatory proceeding (as the Companies would not have submitted the confidential information in this docket but for: (1) the governmental function of reviewing the Companies' request for approval of the CBRE Phase 2 Program Tariff and RFPs; and (2) the Companies' belief and reliance that the information would not be publicly disclosed).</p>

<b>Reference</b>	<b>Identification of Item</b>	<b>Basis of Confidentiality</b>	<b>Harm</b>
			<p>The confidential information: (1) has not been previously disclosed or otherwise publicly disseminated; (2) is not of the kind of information that the Companies would customarily disclose to the public; and (3) is of a nature that its disclosure could (a) impair the Commission's ability to obtain necessary information from similarly situated parties in the future, and (b) cause substantial harm to the Companies and/or their customers as previously described above.</p>

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SERVICE LIST  
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**From:** puc@hawaii.gov  
**Sent:** Thursday, July 09, 2020 1:05 PM  
**To:** Chun, Marisa  
**Subject:** Hawaii PUC eFiling Confirmation of Filing

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