# Charge #p @Bus

# Charge Up eBus Pilot eBus Registration

As a requirement of the Hawaiian Electric Charge Up eBus Pilot, Participants shall procure eBus(es) that are 16,001 pounds or greater and purchased, leased, or contracted for conversion between May 7, 2021 and 30 days after execution of the Participation Agreement as specified in the Agreement and Handbook. Participating eBus(es) must remain in operation during the five-year data-sharing commitment period. Registering them with Hawaiian Electric supports proper data collection and reporting.

## How to complete this eBus Registration form

The Participant shall submit Part I, II, and III along with the requested supporting documents according to the schedule below.

eBus Registration	Subssion Schedule	Supporting Documents
Part I: General Information	Prior to executing the Participation Agreement	eBus manufacturer specification sheets
Part II: eBus Acquisition or Conversion Details	Within 30 days of executing the Participation Agreement	Proof of purchase for eBus or paid invoice for bus conversion parts and services
Part III: Vehicle Data-Sharing Requirements	Prior to starting eBus operations and data collection	

To ensure participants meet the Pilot requirements, Hawaiian Electric may request updates to sections of this form as the Applicant progresses through the process.

# **Form Definitions**

Battery Capacity (kWh) - The expected capacity (kWh) of on-board eBus battery.

**CSV** – Comma-separated value file format.

**Date of Procurement** – The date (MM/YY) of contract or purchase order of the eBus or conversion services.

Date of Vehicle Registration – The date (MM/YY) after eBus arrives and is registered in the county.

**Expected Charging Level (kW)** – The expected charging power level for the eBus.

Expected Date of Arrival – The expected date (MM/YY) eBus will arrive on site (date provided at procurement).





- Fuel Type The current fuel type if an existing fossil fueled bus will be converted.
- **GVWR** Gross Vehicle Weight Rating of eBus.
- Make/Model eBus manufacturer and model name/number.
- **OEM** Original Equipment Manufacturer.
- Quantity Number of eBuses expected to arrive by the Date of Arrival.
- Range (Mileage) The expected total driving mileage from one fully charged battery.
- Vehicle ID Unique name or identification number provided by each Participant for each eBus.
- Vehicle Type eBus size and description (e.g. 40-foot transit, coach, shuttle bus, etc.)





## **Part I: General Information**

#### **Participant Information**

Name of Participant company and point of contact for the electric bus (eBus) procurement.

Participant Information		
Name	eBus Application Number	
Participant Point of Contact		
Name	Phone Number	
Email Address		

#### **eBus Information**

Name of eBus manufacturer or bus conversion company and their point of contact who can provide detailed eBus information, as needed.

Electric Bus Original Equipment Manufacturer (OEM) or Conversion Company Information			
eBus Company Name			
eBus Sales Point of Contact			
Name	Position		
Phone Number	Email Address		

Prior to executing the Participation Agreement, Applicants shall provide the following information for each type of bus to be acquired or converted over the three-year pilot period. Additional pages may be submitted if more than three models will be procured.

#### **Attachments Included**

- \_\_\_\_\_ eBus manufacturer specification sheet(s), or
- \_\_\_\_ Conversion part(s) specification sheet(s)





## Part I: General Information – continued

eBus Specifications				
Make / Model		Vehicle Type Quantity		
Purchase / Lease / Conversion (select one)		If conversion, current bus make / model / fuel type		
GVWR	Battery Capacity (kWh)	Range (Mileage)	Expected Charging Level (kW)	

eBus Specifications				
Make / Model		Vehicle Type	Quantity	
Purchase / Lease / Conversion (select one)		If conversion, current bus make / model / fuel type		
GVWR	Battery Capacity (kWh)	Range (Mileage)	Expected Charging Level (kW)	

eBus Specifications				
Make / Model		Vehicle Type	Quantity	
Purchase / Lease / Conversion (select one)		If conversion, current bus make / model / fuel type		
GVWR	Battery Capacity (kWh)	Range (Mileage)	Expected Charging Level (kW)	





### Part II: eBus Acquisition or Conversion Details

Proof of eBus purchase (e.g. purchase order or receipt) or payment for conversion services must be submitted within 30 calendar days of executing the Participation Agreement.

#### **Attachments Included**

\_\_\_\_ Proof of purchase for eBus(es) or bus conversion parts and services

eBus Acquisition or Conversion Details	
Model / Model	Quantity
Date of Procurement	Expected Date of Arrival / Conversion

eBus Acquisition or Conversion Details		
Model / Model	Quantity	
Date of Procurement	Expected Date of Arrival / Conversion	

eBus Acquisition or Conversion Details			
Model / Model	Quantity		
Date of Procurement	Expected Date of Arrival / Conversion		





#### Part III: Vehicle Data-Sharing Requirements

Participating eBuses shall provide the telematic data specified below.

- Data files shall be provided starting the month of vehicle registration. All eBus data shall be provided to Hawaiian Electric by the 5th business day of each month for the previous calendar month in a single CSV file.
- The CSV filename shall conform to the following syntax: <Application Number>\_BUS\_<YYYY>\_<MM>.csv (i.e., "B1234\_BUS\_2023\_03.csv" for Application Number B1234 during the month of March 2023). The monthly CSV files shall provide the following data for each vehicle with the specified field names outlined below.

Field Name	Description	Format
Vehicle ID	Unique name or identification number for each eBus	alphanumeric
Date	Month, day, and year	mm/dd/yy
Mileage	Miles driven each day	alphanumeric

Before the start of operations for each new eBus, the Participant must identify and provide the unique Vehicle ID for each participating eBus. The Vehicle ID may be the VIN or an assigned vehicle name that will correlate to the monthly data.

This information will aid in the data collection required during this Pilot.

eBus Registration / Conversion Details					
Vehicle ID / VIN	Make / Model	GVWR	Battery Capacity (kWh)	Conversion Date (if applicable)	Vehicle Registration Date

