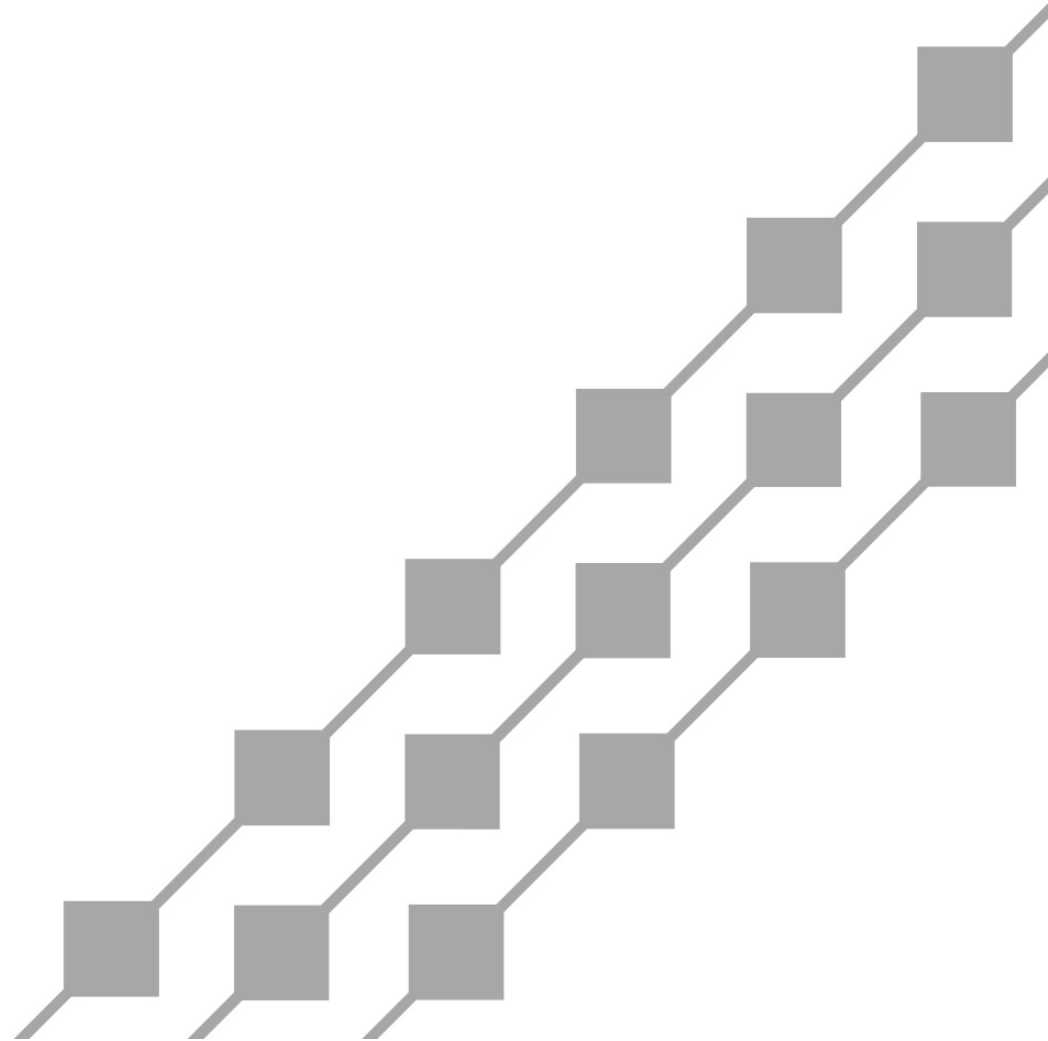




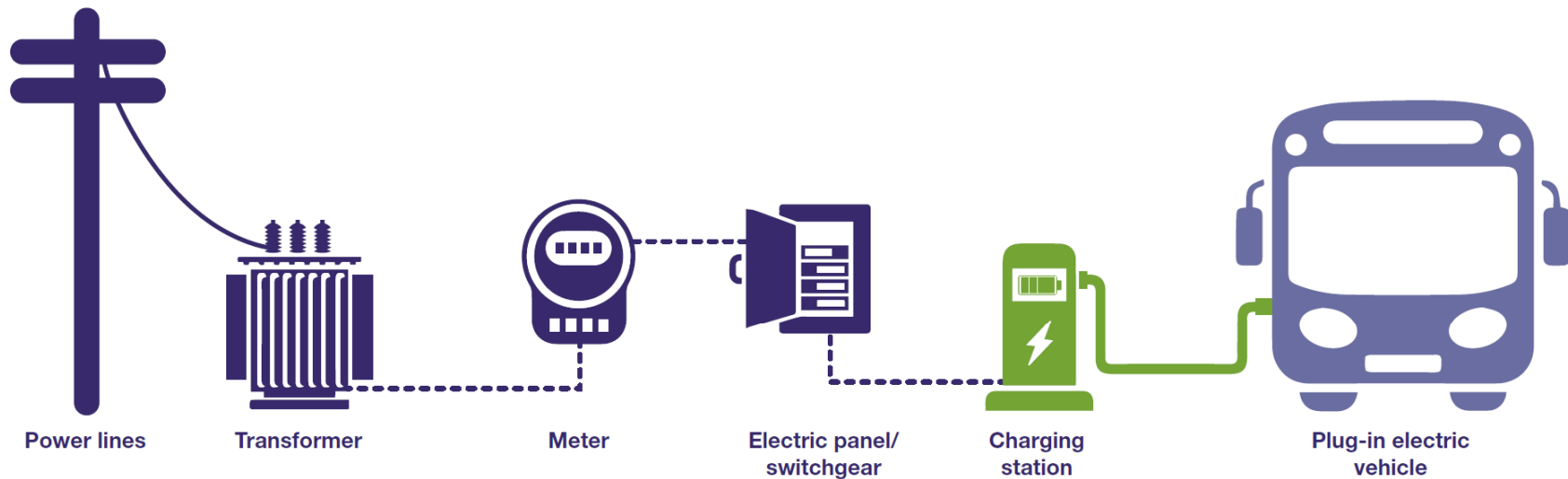
**Hawaiian
Electric**

Charge Up eBus

December 9, 2021



What is Make-Ready?



Hawaiian Electric pays for, constructs, owns and maintains electrical infrastructure to the point of interconnection with the customer's charging equipment.

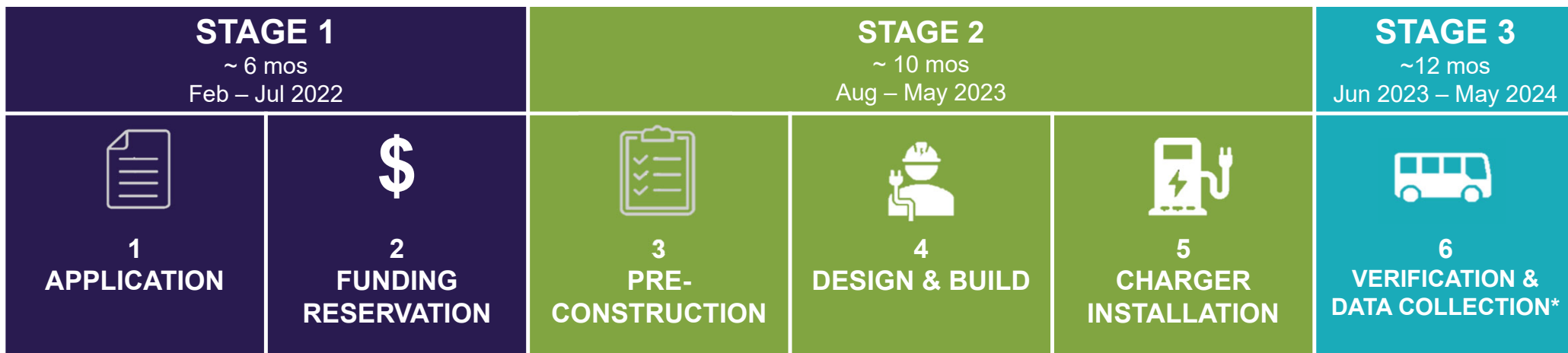
Customer pays for, installs, owns and maintains the charging equipment



[Video](#)

Customer Journey

Three-Year Pilot



*10-year data collection requirement



Eligibility



- ◆ Located on Oahu, Maui, or Hawaii Island
- ◆ Primary location for charging equipment and participating vehicles
- ◆ Appropriate and sufficient location to cost-effectively install Make-Ready Infrastructure
- ◆ Environmental, land use, or other permitting issues addressed (if any)
- ◆ Access and utility easement rights granted to Hawaiian Electric



Vehicle Requirements



- ◆ Purchase, lease, or conversion of Class 5-8 eBuses
- ◆ Procured between May 7, 2021 and 30 days after execution of agreement
- ◆ Telematic data

Vehicle Class	Weight (lbs.)	Example
Class 5	16,001 – 19,500	Shuttle Bus
Class 6	19,501 – 26,000	School Bus
Class 7	26,001 – 33,000	Transit Bus
Class 8	> 33,000	Motor Coach



Charging Station Requirements

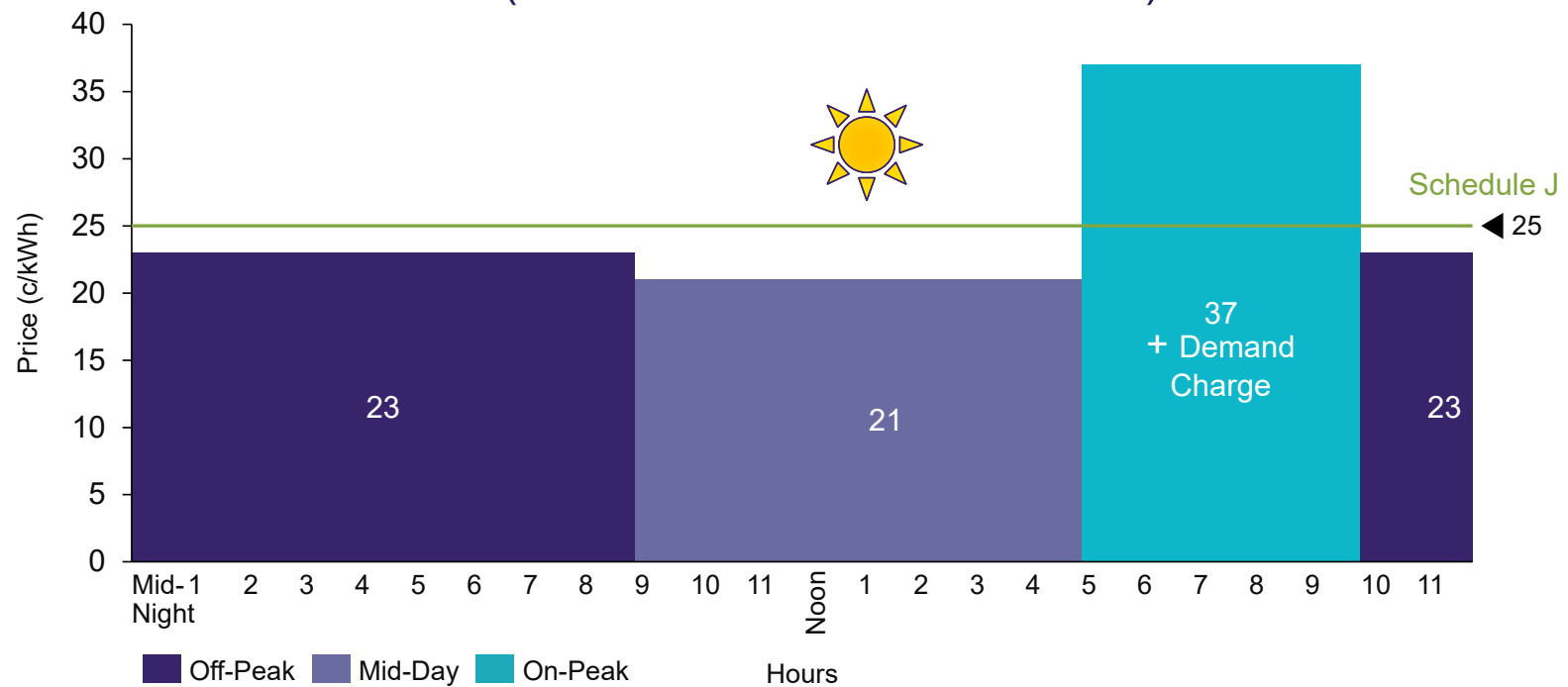


- ◆ Port-level network communications (10 years)
- ◆ 15-minute interval energy consumption data
- ◆ Charge session data
- ◆ Compliance with industry standards, such as SAE, UL, and OCPP



eBus Tariff Pilot

Oahu E-Bus-J Compared to Schedule J
(December 2021 effective rates)



Incentive	Description
<u>Diesel Replacement Rebate</u>	<p>Opened October 29 on a first-come, first-served basis</p> <ul style="list-style-type: none"> • Eligible applicants: Public and private organizations within the State of Hawaii with eligible projects. State employees and contractors are not eligible. • Eligible vehicles: School buses, Transit, Shuttle, and Tour Buses, Medium- or heavy-duty trucks
<u>U.S. EPA Diesel Emission Reduction Act Program</u>	<p>Closed for 2021 Applications</p>
<u>Clean School Bus Rebates</u>	<p>Closed for 2021 Applications-Applications due November 5, 2021</p> <ul style="list-style-type: none"> • Eligible applicants: Public school districts and private fleets serving those schools • \$20,000-\$65,000 per bus
<u>American Rescue Plan School Bus</u>	<p>Closed for 2021 Applications-Applications due November 5, 2021</p> <ul style="list-style-type: none"> • Eligible applicants: 1) public schools, 2) tribal schools, 3) private fleets supporting those two entities • Applicants selected by lottery. \$300,000 per bus; max. \$1.2 million per fleet
<u>Hawaii Energy EV Charging Station Rebate</u>	<p>Open on a first-come, first-served basis</p> <ul style="list-style-type: none"> • Level 2 Station (networked w/ at least 2 ports) New Installation: \$4,500 per station Retrofit: \$3,000 per station • DC fast-charging station (networked) New Installation: \$35,000 per station Retrofit: \$28,000 per station



Visit us online...

Home > Products & Services > Electric Vehicles > Charge Up eBus Pilot

eBus Charging Rates
Our eBus charging rates vary by island, and is based on the time of day you charge and the number of kilowatt-hours charged. View our eBus charging rates.

Resources
View information on incentives and FAQs.

Charge Up eBus Pilot
What is Charge Up eBus?
Hawaiian Electric's Charge Up eBus Pilot is designed to help bus operators reduce the upfront cost of installing charging equipment for electric buses on Oahu, Maui and Hawaii Island. As part of the Pilot, Hawaiian Electric pays for, constructs, owns and maintains all the electrical infrastructure up to the charging equipment. Bus operators purchase, install and maintain their charging equipment.
Charge Up eBus is expected to launch in February 2022. Please check back for forms and details.



Available Feb 2022



www.hawaiianelectric.com/chargeupebus