

Smart Export Program

Program Features

- **PV + Battery:** New option for customers to install a rooftop PV system plus a battery energy storage system.
- **Smart Charging and Exporting:** Customer's battery storage system will typically charge from the PV system during the daytime (9am – 4pm) and power their home in the evening. Option to export energy to the grid during evening, overnight, and early morning (4pm – 9am).
- **Annual True-Up:** Energy export credits will be reconciled on an annual basis. Excess credits expire at the end of the year (with utility cost reduction benefiting all customers).
- **Energy Credits:** Customers will be credited on monthly bill for electricity sent to the grid during the evening, overnight, and in the early morning (4pm – 9am).

Program Capacity:		
HECO: 25 MW	HELCO: 5 MW	MECO: 5 MW
Approximately 3,500-4,500 customers may enroll in the Smart Export program throughout the HECO service territories.		

Credit Rates and Export Windows for Interim Smart Export Program for the HECO Companies			
12 a.m. – 9 a.m.		9 a.m. – 4 p.m.	4 p.m. – 12 a.m.
O'ahu	14.97 ¢/kWh	No credit	14.97 ¢/kWh
Hawai'i Island	11.00 ¢/kWh		11.00 ¢/kWh
Maui	14.41 ¢/kWh		14.41 ¢/kWh
Moloka'i	16.64 ¢/kWh		16.64 ¢/kWh
Lāna'i	20.79 ¢/kWh		20.79 ¢/kWh
The export credit rates will remain fixed for five (5) years.			

Program Requirements

- **Application:** Streamlined interconnection application with the Hawaiian Electric Companies.
- **Smart Net Meter:** The utility installation of a Smart Net Meter that can measure the bi-directional flow of energy between the Smart Export system and the grid and ensure reliable operation.
- **Advanced Inverter:** Advanced inverters provide support to the electric grid during different types of grid disturbances. Activating these functions in new Smart Export systems will help maintain a stable and reliable grid.

Customer Grid Supply+ Program (CGS+)

Program Features

- **Direct-to-Grid:** New option for customers to install a solar PV-only system that exports energy to the electric grid during the daytime, but will need to utilize new equipment that allows the electric utility to manage power from the system when necessary to maintain a stable grid.
- **Lower Upfront Investment:** Allows for a direct to grid exporting PV system with no energy storage needed.
- **Annual True-Up:** Energy export credits will be reconciled on an annual basis. Excess credits expire at the end of the year (with utility cost reduction benefiting all customers).
- **Energy Credits:** Customers credited on monthly bill for electricity sent to the grid.

Program Capacity		
HECO: 35 MW	HELCO: 7 MW	MECO: 7 MW
Approximately 5,000-6,000 customers may enroll in the CGS+ program throughout the HECO service territories.		

Credit Rates for the CGS+ Program for the HECO Companies	
Island	CGS+ Credit Rate
Oahu	10.08 ¢/kWh
Hawai'i Island	10.55 ¢/kWh
Maui	12.17 ¢/kWh
Moloka'i	16.77 ¢/kWh
Lāna'i	20.80 ¢/kWh
The export credit rates will remain fixed for five (5) years.	

Program Requirements

- **Application:** Streamlined interconnection application with the Hawaiian Electric Companies.
- **Communications and Controllability:** Controllability may be provided by a third party that can send data to the utility. The third party will provide a flexible mechanism to reduce CGS+ system output while leaving the customer's load connected when needed to ensure reliable operation of the grid. Alternatively, customers may elect to have HECO install a separate smart production meter that will provide utility data collection and controllability to ensure reliable operation of the grid.
- **Advanced Inverter:** Provides support to the electric grid during different types of grid disturbances. Activating these functions in new CGS+ systems will help maintain a stable and reliable grid.