

SHIFTED  ENERGY

GREYSTAR CASE STUDY

MULTI-FAMILY GRID-INTERACTIVE BUILDINGS

The Project

In 2020 **Shifted Energy** signed an agreement to incorporate its industry-leading grid-interactive water heaters (GIWHs) into **Hawaiian Electric's** grid services market.

Shifted Energy is retrofitting **3,000 electric water heaters** with smart controllers to convert them into GIWHs across **Oahu and Maui**. These are controlled by a virtual power plant software platform to provide grid services, which includes the time of day the water heaters are turned on/off to match clean energy **without the residents even noticing**.

The goal is to help Hawaii reach the goal of becoming **100% clean energy-based by 2045**.

Buildings

PROPERTY MANAGER

CUSTOMER



Property	Kapolei Lofts
Location	Kapolei, HI
Type of Building	Apartment Complex
Assets Connected	Electric Water Heaters
# of Units Connected	499 (100%)
Metering Mode	Master-metered
Bill Credits	\$17K per year



Property	The Element
Location	Ewa Beach, HI
Type of Building	Apartment Complex
Assets Connected	Electric Water Heaters
# of Units Connected	318 (100%)
Metering Mode	Master-metered
Bill Credits	\$11K per year



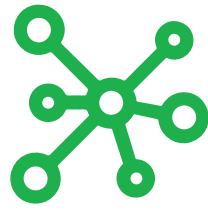
Property	Kalaeloa
Location	Kapolei, HI
Type of Building	Apartment Complex
Assets Connected	Electric Water Heaters
# of Units Connected	399 (100%)
Metering Mode	Master-metered
Bill Credits	\$14K per year

Benefits



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Apartment Complexes
converted to Smart
Buildings



1,216

Water Heaters
upgraded to be
Grid-Interactive



\$42K

Bill Credits per
year for 5 years



\$840K

Increase in Property
Value (@5% cap rate)



Automated Maintenance Alerts



Performance Reports



Positive Impact on Climate Change



Opportunity to Save Even more Money

We can make thermostats, EV chargers and
other assets grid-interactive

SHIFTED ENERGY

If you have any questions or would like to learn more about how to make your building grid-interactive, reach out to nicole@shiftedenergy.com

www.shiftedenergy.com