

Your **Shift and Save** Program Toolkit

**A NEW WAY TO CONTROL YOUR ENERGY USE
AND SAVE MONEY**

Manage your electricity use with
My Energy Use portal at
hawaiianelectric.com/myenergyuse



Energy-saving programs
and rebates provided
by Hawai'i Energy



Use solar energy
when most
abundant and save



Ways to Shift and Save Energy
to put time-of-Use to work



**Hawaiian
Electric**

Use This Toolkit to Take Advantage of the Shift and Save Program

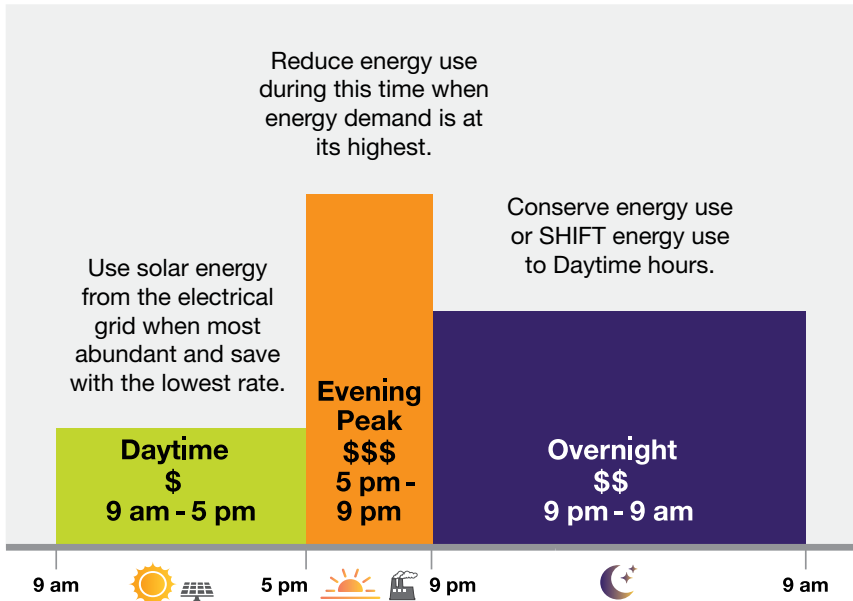
This toolkit gives you tips on how to make the most cost-effective use of your electricity. In addition to Time-of-Use information, learn how to get further savings through programs from Hawai'i Energy. And be sure to redeem the coupons to start saving today.

SAVE ENERGY, MONEY AND THE ENVIRONMENT

- ◆ Time-of-Use rates are lower during the middle of the day to encourage customers to save money and take advantage of abundant solar power available on the electrical grid.
- ◆ This program supports our overarching plans to help reduce environmental impacts for Hawai'i.
- ◆ The rates are also designed to reduce daily energy peak demand, which typically occurs from 5 p.m. to 9 p.m., and improve reliability of the grid.
- ◆ Shifting more energy use from the evening peak to the daytime means we can reduce the use of fossil fuel generators at night.



How the Time-of-Use Rates Work



How much can you save? It depends on how much you can shift your energy use to daytime hours. The features of this program may match your energy needs.

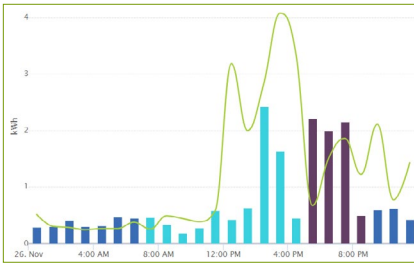
The Time-of-Use rate enables you to save money if you shift your energy use from high-demand evening peak hours that charge more per kilowatt-hour.

The more you shift your electricity use from evening peak to the daytime or overnight hours, the more money you can save. Do simple things like adjusting your thermostat when you leave for work or washing your clothes during daytime hours.



Your My Energy Use Portal Gives You Valuable Information

Here is a sample chart to show how you can manage your electricity use and take advantage of Time-of-Use rates. Sign up now to see your personal usage chart at hawaiianelectric.com/myenergyuse



Time-of-Use (TOU) customers can monitor Daytime, Evening Peak, and Overnight usage, to help determine cost-saving adjustments.

My Energy Use Portal

The "My Energy Use" portal receives data from your advanced meter through a secure wireless network and displays your energy use information. You can easily view how much electricity you use during different hours of the day and compare your usage patterns. This can help you make smart, cost-saving energy adjustments.

- ◆ View your energy consumption and generation in detail, in intervals of 15 minutes.
- ◆ Compare your usage data to previous periods.
- ◆ Add markers to track any important events.
- ◆ Set up notifications to alert you when you reach specific thresholds.
- ◆ Download your usage data in Green Button or CSV format.
- ◆ Share your data with secure secondary user access.



Ways to Shift and Save Energy



Measure first, then pay less. The first step to really managing energy well is to establish your baseline usage, or benchmark. Benchmarking with Energy Star Portfolio Manager is free and gives you a report on your electric, gas, and water usage. It'll show you what actions you should prioritize now vs. later on.

Learn about your peak demand and how it impacts you. Even though your usage fluctuates, your business also has a maximum amount of power it requires and typically occurs during the hottest part of the day. Knowing when you use the most energy can help you make operational changes to lower your bill.



Light wisely. LED lights can last approximately 50,000 hours, run cooler than fluorescents (reducing A/C loads), and are environmentally friendly. Use timers and sensors to help turn off lights when no one is around.

Keep your cool. Wasting cold air could be costing you! Keeping doors and windows closed when the A/C is on helps you keep spaces colder, longer. Similarly, assist you're A/C even more by using window blinds or a window film to keep the sun's warmth out.



Schedule wisely. For those with large equipment and systems, instead of ramping everything up at one time during the day, aim to spread things out to avoid demand spikes.

Automate things with building controls. Install controls on lighting and HVAC systems to automatically shut major systems down when not needed, also allowing you to make adjustments on the fly. Consider setbacks and resets depending on load conditions to save even more.



Switch off office equipment overnight and on weekends. Why pay for electricity when no one's around? Turn off all printers, TVs, computers, microwaves, air conditioners, coffee/vending machines, and water coolers (especially if there's a heating element). Bonus points for unplugging, as some of these continue to draw power even if they are powered down.

Inspect your building's transformers. Many times they are hidden and overlooked, yet are on 24 hours a day. Replacing aging transformers can produce up to 60% in energy savings as well as reduce A/C loads.



Utilize a battery to store energy during the day and dispatch it for use during the evening peak. If you have a solar photovoltaic system, adding a battery will allow you to store excess energy you create during the day. You can then run equipment using this stored energy at nighttime, reducing the amount you draw from the grid during the peak hours.

Do a walkthrough with Hawaii Energy. A quick site visit from a Hawaii Energy Advisor can reveal lots of hidden areas of waste and opportunities to reduce your bill. Request one today by emailing hawaiienergy@leidos.com.



Be an ENERGY STAR®. Choose ENERGY STAR® office products which automatically go to low-power sleep mode when not in use. Visit www.energystar.gov to learn more.

More energy-saving tips at hawaiienergy.com/for-business/business-solutions

Take Advantage of These Programs to Save

POWER MOVE

The Power Move program consists of incentives for certain measures that reduce load during the utility peak hours of 5:00 p.m. - 9:00 p.m. The collective demand savings from participating commercial customers will help move our state closer to a 100% clean energy future. Plus, your business may be able to reduce your demand charges. Learn more, go to HawaiiEnergy.com/power-move

ENERGY STAR® COMMERCIAL KITCHEN EQUIPMENT

Using ENERGY STAR® equipment in your restaurant will help you lower your operating costs, and we offer cash rebates for a variety of kitchen appliances. Learn more, go to HawaiiEnergy.com/commercial-kitchen

HVAC

Heating and cooling can make up as much as one-third of the energy consumed in a typical building. The rebates can offset costs and help you to make investments that reduce your energy consumption and lower your energy bills. Learn more, go to HawaiiEnergy.com/hvac

CUSTOMIZED REBATES

You may be eligible for a rebate for other equipment that is not listed here. If it reduces energy usage, contact Hawaii Energy to learn more about our custom rebates. Go to HawaiiEnergy.com/how-to-get-a-rebate

REFRIGERATION

Refrigeration can account for over two-thirds of total energy use in grocery stores and supermarkets. Upgrading your refrigeration technology is an easy way to increase efficiency and reduce your electricity costs. HawaiiEnergy.com/refrigeration

VENDING MACHINE ENERGY CONTROL SYSTEM

Vending machines can save energy when equipped with vending miser technology. The sensor shuts down non-essential lighting and reduces compressor run time during periods of low activity. A reduction in energy consumption of about 46% usually occurs. For more details, go to HawaiiEnergy.com/vending-machine

PUMPS & MOTORS

Whether you operate and maintain a hotel, condominium, office building, retail store, restaurant, or hospital, you can save energy by examining your pumps and motors.

If your facility's pumps and motors will be in need of replacement in the near future, now is the time to start planning for a newer, better and more energy efficient system. Learn more, go to HawaiiEnergy.com/pumps-motors

INDUSTRIAL & SPECIAL EQUIPMENT

If your commercial, industrial or government building owns aging transformers, retrofitting to high-efficiency transformers may provide up to 60% energy savings over the existing equipment. Learn more, go to HawaiiEnergy.com/transformers



Rebate prices may change throughout the year. Please visit hawaiienergy.com/for-business for the most up-to-date information.

Your Time-of-Use Checklist

Follow these 4 points and you'll be on your way to getting the most from the electricity you use.



Teach everyone in your workplace how to use electricity wisely. Little changes in energy habits can make a big difference.



Conserve energy today. Remember to visit Hawai'i Energy at hawaiienergy.com/savings.



Read and follow the Top 10 energy-saving tips on page 5. Shift your business energy use from high-demand evening peak hours.



After one week, check your My Energy Use portal. Were you able to shift your energy use?

Shifting your energy use away from the evening peak hours by doing things like installing a water heater timer can make a big difference!

Learn how you can save energy at hawaiianelectric.com/ShiftandSave

If you have any questions, please contact us at 1-833-483-5666 toll free.



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