



GREEN TIPS:

ON THE ROAD

2017

Energy Efficient Transport

Did you know? If every person carpooled with at least one other person in their daily commute, 32 million gallons of gas would be saved everyday in the U.S.! Offer a ride to coworkers, take public transportation, or ride a bike in order to conserve and save energy! More at thebus.org/CS/parkride.asp

Tips for reducing fuel consumption

- Obey speed limits & maintain a moderate speed
- Avoid parking in direct sunlight, or use a windshield shade
- Plan ahead! Avoid rush hour and heavily congested areas as much as possible. A well planned day can save a significant amount of fuel and stress. hpd-traffic.com/



FAQ:

Q: Where can I find EV charging stations?

A: EV stations Hawaii helps to locate charging stations across the state with convenience and ease. Download the free app for more information! energy.ehawaii.gov/ev/#/app/home

Q: How do I use the bus system?

A: The bus offers convenient and timely routes. Find out more at thebus.org for daily, weekly, and monthly bus passes, as well as bus stops and time routes.



Fuel & Electric Efficient Vehicles (city/hwy mpg):

- Toyota Prius -48 city/45 highway
- Honda Civic Hybrid -40 city/45 highway
- Smart Car ForTwo -33 city/41 highway
- Ford Escape Hybrid -34 city/30 highway
- Honda Fit -28 city/34 highway
- Toyota Yaris -29 city/36 highway
- Nissan Altima Hybrid -35 city/33 highway
- Toyota Camry Hybrid -33 city/34 highway

- Tesla Model 3 -200 miles (EV)
- Nissan LEAF -107 miles (EV)
- Chevrolet Bolt -238 miles (EV)

Alternative Fuel Options:

- Natural Gas (hawaiigas.com)
- Bio Diesel (biodiesel.com)
- Ethanol (hawaiiethanolinc.com)
- Propane (hawaiigas.com/)
- Premium Gasoline (hawaiigasprices.com)



GREEN TIPS:

AT THE OFFICE

2017

Efficiency @ Work

Offices have an opportunity to showcase sustainability through water and energy conservation, while also promoting environmentally friendly work habits. Read more at hawaiienergy.com/for-businesses



Tips for reducing electricity consumption

- Take advantage of natural lighting
- Use electronic documents and implement double sided printing
- Avoid using disposable dishware and cutlery
- Use recycled desk products (ie. pens, paper)
- Use EnergyStar certified appliances
- Support your local businesses when going out
- Visit oceanfriendlyrestaurantshawaii.org for green restaurants!

FAQ:

Q: What is a LEED building certification?

A: LEED stands for Leadership in Energy and Environmental Design, a program that offers energy efficient building certifications. Ratings for resource efficient buildings and communities include using less water, energy, and have shown a reduction in greenhouse gas emissions. Find out how to save energy and money at usgbc.org/LEED

Q: How can I apply for a Hawai'i Green Business Program certification?

A: The HGBP strives to acknowledge green businesses for showcasing sustainability. Offices can be certified after completing a checklist and official site visit. More information at energy.hawaii.gov/green-business-program/office-retail-program

Where to buy...

Environmentally friendly disposable plates and cutlery:

- styrophobia.com
- biodegradablestore.com
- sustainableislandproducts.com

*Hawaii's environmental product guide

energy.hawaii.gov/wp-content/uploads/2011/10/2011-EPG-FINAL_WEB.pdf

Why support your local businesses:

- Supports your local economy
- Local businesses often buy local, which eliminates shipping and thereby reduces energy consumed



Ask your office about:

- LEED Building Certification
- HI Green Business Program
- Employee Bus Passes
- Locker rooms for bike and other commuters
- ENERGYSTAR products

*more at energy.hawaii.gov



GREEN TIPS:

TRAVELING

2017

Energy Efficient Traveling

Checkout eco friendly hotels and resorts during your vacation planning, and incorporate local activities into your adventures! Look for local vendors, family or privately owned restaurants, and eco-tourist groups to support the local economy. Find out more about sustainable traveling at sustainabletravel.org

Tips for reducing travel impact

- Stay in an Eco-Friendly Hotel
- Unplug all electronics before leaving the hotel
- Purchase reusable travel containers
- Take public transport when possible
- Rent an electric or hybrid car when available
- Sustain the local economy with eco tourism!
discoverhawaiitours.com/eco-tours
- Checkout a World Heritage Site! whc.unesco.org
- Bike Share Hawaii bikesharehawaii.org

FAQ:

Q: What is a World Heritage Site?

A: World Heritage sites are sites of outstanding value to humanity and have been identified, protected, and preserved by UNESCO in order to encourage local community and heritage appreciation. Sites include Hawaii's Volcano National Park and more! Find out at whc.unesco.org

Q: How can I find a Green Certified hotel or other green businesses in the Hawaiian Islands?

A: The Hawaii Green business program certifies hotels in the state of Hawaii for their green conservation efforts. To find out which hotels have been awarded under the HGBP, checkout energy.hawaii.gov/green-business-program/hgbp-awardees

Eco-Traveling

Transportation:

- [Biki](#)
- [TheBus](#)
- [Eco Cab](#)
- [808 Smart Cars](#)
- [Enterprise Car Share](#)
- [Enterprise Van Pool](#)

Eco-Friendly Hotels:

- Tripadvisor.com/GreenLeaders
- Expedia.com/p/info-partner/theme/green-hotels
- Itsagreenworld.com



United Nations
Educational, Scientific and
Cultural Organization



World
Heritage
Convention





GREEN TIPS:

EVERYDAY PRACTICES

2017

Eco Friendly Daily

Support your local Hawaiian farmers by purchasing groceries from weekday or weekend markets! Buying local reduces transportation emissions, and allows for Hawai'i to become more self sufficient and less reliant on mainland imports. Find local markets at hfbf.org/markets



Tips for everyday green practices!

- Recycle at home and buy post-consumer recycled products (see below)
- Bring your own bags to the grocery store
- Bring your own mug to coffee shops
- Avoid plastic water bottles, try reusable!
- Take the stairs over the elevator!
- Avoid Styrofoam products, support compostable options!

FAQ:

Q: How can I support eco-friendly restaurants?

A: Look for both green business and ocean friendly certified restaurants that implement energy conserving strategies, support local farmers, and eliminate or recycle waste at oceanfriendlyrestaurantshawaii.org and energy.hawaii.gov/green-business-program/

Q: What, where, and how can I recycle?

A: Recycling facilities are found all around the islands, click on the following links to find out what to recycle, where to recycle, and how to participate!

OAHU: opala.org/solid_waste/what_goes_where

MAUI: co.maui.hi.us/Services

HAWAII ISLAND: recyclehawaii

KAUAI: kauai.gov/Recycling

Local Farmer's Markets:

- **KCC Open Market**
-Saturday 7:30-11am
- **Fort Street Mall**
-Tuesday & Friday 7:30-2:00 PM
- **Aloha Stadium Swap Meet**
-Wed, Saturday & Sundays 6 AM-3 PM
- **Hawaii Kai Town Centre**
-Mon, Wed, Sat 7:30-3:00
- **Kapolei Community Park**
-Sunday 7:00-8:30
- **Manoa Marketplace**
-Sun, Tues, Thurs 7:00-11:00AM
- **North Shore @ Sunset Elementary**
-Saturdays 8:00-2:00 PM
- **Kailua Elementary**
-Sunday 8:30-12 PM

www.farmloversmarkets.com

Cut down on paper waste!

- ◆ *Use electronic billing*
 - ◆ *Unsubscribe/ cancel junk mail*
 - ◆ *Print double sided*
 - ◆ *Read magazines and newspapers online*
- *more at savepaper*



GREEN TIPS:

AT HOME

2017

Efficiency @ Home!

Whether you're at home or at work, there's always ways to reduce environmental impact. By purchasing eco-certified cleaning and energy-efficient products, you eliminate toxic chemicals and save on high energy bills! Go online at energystar.gov/products/energy_star_home_tips to find more on how to save energy at home.

Tips for at home energy savings

- Reduce energy use during peak hours (5-9pm)
- Water your lawn during morning / evening hours
- Landscape for natural cooling and shade!
- Insulate and seal ducts— air leaks can account for 30% energy consumption!
- Purchase EnergyStar products
- Use fans rather than AC, or open windows!
- Conserve water with water efficient products
- Use bio degradable cleaning products

FAQ:

Q: Did you know?

A: Appliances that are fully charged or are on standby that are still plugged in consume a lot of electricity. Phantom electricity is the standby power that goes unused in electrical appliances! Plug in only when needed! Find out more at hawaiienergy.com/for-homes/tips-to-save-energy

*Search for energy and water efficient products at:

energystar.gov/products

Bio-degradable cleaning products:

- greenseal.com
- Cloverdaleinc.com
- Methodhome.com
- Alfakleen.com
- Amway.com
- Seventhgeneration.com



energy.hawaii.gov/green-business-program/hgbp-resources

Why EnergyStar?

- Saved Americans \$16 Billion thus far
- EnergyStar appliances can help cut back 1/3 of a household energy bill
- Wide variety of products available from refrigerators to CFL light bulbs to fax machines





GREEN TIPS:

ENERGY

2017

Energy Efficiency 101

Have you heard of ENERGY STAR? ENERGY STAR certifies energy efficient products, without sacrificing features or functionality. These highly efficient products save energy, help prevent climate change, and reduce electricity and water bills! Look for the ENERGY STAR label today! For more information go online at energystar.gov or check out hawaiienergy.com for energy tips and info. on energy rebates!



Tips for reducing electricity consumption

- Take advantage of natural lighting
- Unplug or power off unused electronics to avoid phantom electricity
- Turn off your computer when not in use, and set an automatic timer for sleep mode to conserve energy
- Look for the most efficient, yellow and black *EnergyGuide* label when buying new appliances!

FAQ:

Q: What is the difference between a CFL and LED lightbulb?

1. CFLs last 10 times as long and can save \$30 a year. Each CFL will prevent half a ton of carbon dioxide from being emitted. Home Depot is now accepting non-CFL light bulbs for recycling. See homedepot.com
1. LED technology is the most efficient lighting source, using 75% less energy and lasting 25 times longer than regular incandescent lighting. energy.gov/energysaver/led-lighting

Quick Tips!

- Add window shades or window tinting to sunny areas
- Use fans instead of air conditioners
- Use the microwave when possible
- Keep the refrigerator door closed
- Turn off the lights!

energystar.gov/products/most_efficient



Hawaiian Electric
Maui Electric
Hawai'i Electric Light

33.1 cents/kWh	Kaua'i
27.4 cents/kWh	O'ahu
34.4 cents/kWh	Moloka'i
34.9 cents/kWh	Lana'i
29.3 cents/kWh	Maui
32.9 cents/kWh	Hawai'i Island
11 - 12 cents/kWh	U.S. Average



Electricity Rates as of: March, 2017

hawaiienergy.com/about/get-the-facts



GREEN TIPS:

WATER

2017

Water Efficiency 101

Water is limited all around the globe, and it is our responsibility to ensure future generations are able to thrive off of clean water sources. Saving today is a success for tomorrow. For water conservation tips visit epa.gov/watersense or boardofwatersupply.com/conservation/7-ways-to-save-water



Tips for reducing water consumption

- Install water-efficient plumbing fixtures (ie. epa.gov/watersense/product-search)
- Repair ALL leaks (ie. sinks, plumbing, toilet)
- Take shorter showers and turn the sink off while brushing your teeth!
- Landscape with local plants and try using a low-flow nozzle on your garden hose
- Run everything only when full (ie. dishwasher, dryer, washing machine)

FAQ:

Q: What is WaterSmart?

A: Provides online and mobile water consumption data for WaterSmart customers. It allows users to compare data with similar customers water use, and recommends personal efficiency measures for water conservation and cost savings. boardofwatersupply.com/conservation/watersmart

Q: How can I detect a leak on my property?

1. Make sure to turn off all water pipes and faucets– make sure NO water is running!
2. Locate your water meter & check if dial is moving. If so, you have a leak! Checkout EnergyStar's online training videos for more info.

**Learn more about leak detection on*

boardofwatersupply.com/conservation/leak-detection & energystar.gov/buildings/training/training

Water Sense Products:

- Bathroom sink faucets / accessories
- Shower heads
- Toilets / flushing urinals
- Flushometer-valve toilets
- Landscape irrigation controllers
- Pre-rinse spray valves

**Download the full product guide at epa.gov/watersense/product-search*



WATER FACTS:

- 1. A drip each second can add up to 1,661 gallons of water each year**
- 2. A low-flow showerhead uses only 1.5 gallons of water per minute compared to older showerheads that use 5.5 gallons per minute!**