Green Home Audit

# General

* Light Bulbs

*Number of:*LEDs (most efficient):
CFLs (more efficient):
Incandescents (least efficient):

Where can I change to more efficient bulbs?

*
*
*
*
*

More information on LEDs: <http://aplosgroup.com/led-lighting-101/>

* Power Strips

Use power strips with any electronics or appliances that don’t need to run constantly so you can turn them off with the flick of a switch.

# Heating & Cooling

* Programmable Thermostat

Allows you to set your thermostat to automatically turn heat or cooling down at times you don’t need them (such as at night.)

|  |  |  |  |
| --- | --- | --- | --- |
| **Setting** | **Time** | **Heat Setpoint** | **Cool Setpoint** |
| *Example* | 6:30 a.m. | < 70° F | > 78° F |
| Morning  |  |  |  |
| Day |  |  |  |
| Evening |  |  |  |
| Night |  |  |  |

More information: <https://www.energystar.gov/products/heating_cooling/programmable_thermostats>

* Insulation
	+ Attic
	+ Basement
	+ Cathedral ceiling
	+ Ducts
	+ Exterior walls
	+ Foundation
	+ Water pipes

More information: <https://energy.gov/energysaver/where-insulate-home>

* Check for Air Leaks
	+ Exterior corners
	+ Outdoor faucets
	+ Siding & chimney joints
	+ Foundation joints
	+ Door frames
	+ Window frames
	+ Electrical outlets & switch plates
	+ Baseboards
	+ Fireplace dampers
	+ Vents & fans
	+ Around air conditioner
	+ Cable & phone line insertion points
	+ Around dryer vents
	+ Mail slot

More information: <https://energy.gov/energysaver/air-sealing-your-home>

* Ceiling Fans

Ceiling fans can help cool individual rooms and allow you to reduce air conditioning use.

* Solar Shading

Using a solar shading system can help keep your home cool by regulating the amount of sunlight and heat entering your home.

More information: <http://aplosgroup.com/solar-shading-can-keep-cool-warm/>

# BATHROOM

* Check for Leaks
	+ Faucets
	+ Pipes
	+ Toilets
* Low-flow Toilets

More information at <http://www.conserveh2o.org/toilet-water-use>

* Low-flow Showerheads

More information at https://energy.gov/energysaver/reduce-hot-water-use-energy-savings

# LAUNDRY ROOM

* Energy Star Appliances
	+ Washer
	+ Dryer
* Washer
	+ CEE high-efficiency washer
	+ Check hoses for leaks

# GARAGE

* Water Heater
	+ Temperature at 120° F or lower
	+ Insulated (if older)
	+ Check for leaks

More information: <https://energy.gov/energysaver/projects/savings-project-insulate-your-water-heater-tank>

# KITCHEN

* Energy Star Appliances
	+ Refrigerator
	+ Freezer
	+ Dishwasher
* Oven
	+ Clean seal (gasket) regularly according to manufacturer’s instructions
* Refrigerator/Freezer
	+ Clean seal (gasket) regularly according to manufacturer’s instructions.
	+ Clean condenser coil according to manufacturer’s instructions.
	+ Refrigerator temperature at 37–40° F
	+ Freezer temperature at 5° F (0° F for long-term storage)

# LANDSCAPING

* Zone-appropriate & Draught-resistant Plants

My zone

Plants to remove:

* +
	+
	+
	+
	+

Plants to consider:

* +
	+
	+
	+
	+

More information: <https://www.epa.gov/watersense/what-plant>

* Group Plants According to Water Needs

Group together:

* +
	+
	+
	+
* Programmable Irrigation System

More information: https://www.epa.gov/watersense/irrigation-controllers

* Permeable Paving

More information: [http://aplosgroup.com/summer-remodel-permeable-paving](http://aplosgroup.com/summer-remodel-permeable-paving/)/

* Graywater System

More information: <http://aplosgroup.com/conserve-water-graywater-system/>

# Roof

* Solar Energy

Solar energy systems generate energy from panels mounted on your roof. Your home may be a good candidate if your roof:

* Receives direct sunlight much of the day
* Faces south (best), southeast or southwest
* Has a moderate slope
* Is in good condition

More information: <http://aplosgroup.com/4-questions-about-solar/>

* Roofing Materials

Making your roof more reflective can help save on cooling costs. The technique to use will depend on the type of roof you have – Energy Star has suggestions at <https://energy.gov/energysaver/cool-roofs>.

My Roof Type Potential Improvements

* Single-Ply Membrane
* Built-Up
* Modified Bitumen
* Spray Polyurethane Foam
* Asphalt Shingle
* Tile
* Slate Shingle
* Metal

More information: <http://aplosgroup.com/resources/selecting-roofing-materials/>