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/>