



Thank you for participating in our Energy Saving Kit program. This kit has been personalized just for you and your home's energy efficiency needs! The remainder of this sheet will provide a step by step guide for installation. You can find more helpful installation and energy efficiency tips at www.greeniowaameriCorps.org/energysaverkit for your convenience.

Your Kit Contains:

- ☐ LED Light Bulbs
- ☐ Low Flow Sink Aerators
- ☐ Low Flow Showerhead Aerators
- ☐ Water Heater Pipe Insulation
- ☐ Furnace Filter Whistle
- ☐ Outlet/Light Switch Insulators
- ☐ Rope Caulk
- ☐ Expandable spray foam

1. LED Light Bulbs

- a. Our LED light bulbs are known as 60 watt equivalents which produce equal light to that of a 60 watt incandescent light bulb.
- b. Our LEDs are able to retrofit into any standard lightbulb socket so no changes to your light fixture will be necessary. Always test to make sure that the LEDs work properly in each fixture before putting back any coverings.



2. Low Flow Sink Aerators

- a. Our low flow sink aerators attach to your kitchen or bathroom faucet to reduce the amount of water that flows through the sink to use less water.
- b. To install a sink aerators follow the steps below:
 - i. First you will need to remove the existing one from your faucet. These should simply screw off but if they are coated with lime build up you can use vinegar to help break apart the build up.



- ii. Next, determine which set of threads the aerator will use to attach to your faucet. There is a set of threads of the outside and the inside of the aerator.
 - 1. If the outside set of threads are used then you are free to screw it on.
 - 2. If it will screw on using the inner threads, remove the top rubber washer to properly install the aerator.
- iii. Test the aerator to make sure a tight seal was achieved. If there is any leaking make sure that there is no lime build interfering with the aerator.
- iv. Note: Significant lime build up or rust can inhibit your ability to remove the old aerator and replace it.

3. Low Flow Showerhead Aerators

- a. Low flow showerhead aerators perform a similar function to sink aerators. These replacement showerheads do pressurize the flow and do not inherently have weaker pressure due to their lower flow rate.
- b. To install a showerhead aerator follow these simple steps:
 - i. First screw off your current showerhead
 - ii. Then screw on the low flow showerhead
 - iii. Check the fitment for leaks



4. Water Heater Pipe Insulation

- a. The foam tube insulation we provided is to be placed on the first foot of the water lines for the water heater. Use caution when touching the pipes, as some may be warm or hot to the touch.
- b. Cut the insulation to fit the pipes as needed.
- c. The first foot on both water lines is the highest priority area to insulate
- d. Secure the insulation to the pipes with the zip ties provided.



5. Furnace Filter Whistle

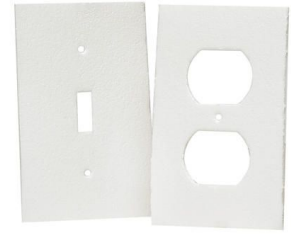
- a. The furnace whistle will notify you when it is time to change out the furnace filter to maintain furnace efficiency.
- b. The whistle is reusable and can be attached to your new filter when it is time to replace it.
- c. The furnace whistle comes in two pieces. The larger, cylinder piece will face the direction of the airflow on one side of the filter. The flat piece will match up on the other



- side of the filter and snap together with the filter material in between.
- d. Proceed with installing your filter as you normally would with the whistle attached.

6. Outlet/Light Switch Insulators

- a. To install the insulation for light switches/outlets follow these steps:
 - i. Remove the sections in the insulation panel where your outlet or switch need to be accessible. .
 - ii. Remove your outlet/light switch cover plate using a screwdriver.
 - iii. Place the insulation panel on the cover plate making sure it lines up correctly. You may need to trim the insulation piece down slightly to fit inside the cover.
 - iv. Replace the cover plate.



7. Rope Caulk

- a. Rope caulk can be used to fill gaps around windows and doors as a temporary measure to prevent air flow. Rope caulk can be removed easily.
- b. To install rope caulk:
 - i. First, clean the area where you'll use the rope caulk to prevent any dirt or grime from making the caulk less sticky and therefore less able to seal properly.
 - ii. Cut the amount of rope you need to fill the space.
 - iii. Firmly press the caulk into the gap or crack you filled.



8. Expandable Spray Foam

- a. Spray foam is used to fill larger gaps and cracks in spaces like a basement foundation or attic. Spray foam is not typically used in regular rooms or common space in the house because it has a very unfinished look.
- b. Follow the instructions provided on the spray foam can to assemble and use the product.
- c. Spray foam is permanent and can stain anything it comes in contact with.



FAQs

Q: Why are my new LEDs flickering?

A: Variable current light fixtures such as dimmers do not play well with common LED bulbs and a specialty LED is needed to work with these fixtures. You may reuse your previous bulbs if our LEDs do not work for you.

Q: Why is my aerator leaking?

A: Lime build up or rust may prevent a proper fit of the aerator. Lime build up can be removed by brushing it with vinegar to break it down. If a faucet is rusted it may be difficult to get a proper fit.

Q: What should I do if my current aerator is stuck?

A: If your current aerator is stuck you may need to break up any lime build up that may be present to remove your current aerator. If the aerator is still stuck then leave it as is. Any more force could result in damage to your aerator or faucet.

Q: How come my lightswitch/outlet cover plate doesn't fit properly with the insulation panel?

A: You may need to trim the insulation panel to better fit your specific cover plate.

Q: What if I have a lightswitch/outlet panel that has multiple lightswitches/outlets?

A: You may use multiple insulation panels to cover one big lightswitch/outlet cover plate. Some trimming may be necessary for proper fit.

Q: How can I get a more comprehensive home evaluation once this pandemic has passed?

A: Feel free to call us or give us an email with the contact information below.

Thank you for taking part in our Energy Savings Kit program supported by MidAmerican Energy and Alliant Energy.

If you have any questions or issues with your kit feel free to contact us!

Email: greeniowacf@gmail.com Phone: 319-273-7233