

ENERGY ASSESSMENT CHECKLIST

DETERMINE THE ENERGY USAGE OF YOUR HOME.



WHAT IS AN ENERGY ASSESSMENT?

An energy assessment of your home determines air and heat loss. Using a blower door, thermal camera, duct-blaster and energy monitor, the assessor determines the current energy loss in your home or apartment.

WHY DO IT?

Your home may be losing 30% of your home's energy. If you make improvements, you will save money in the long run and care for God's earth.

Over 30% of carbon emissions come from homes. If you were to make improvements in a 1400 square foot home, you might roughly save over 10 acres of forest. This would be like taking a car off the road for over 19,000 miles annually.

WAYS TO REDUCE YOUR HOME'S CARBON FOOTPRINT



Air Seal Exterior & Interior Gaps

Addition of door sweeps and outlet insulation. Use expanding foam to seal all plumbing and electrical penetrations. Air seal all accessible attic infiltration sites.



Weatherize Windows

Reduce heated & cooled air infiltration by caulking interior/exterior windows, weatherstripping to ensure air tight assemblies. (Caulking is a clear film, barely visible @ window frames.)



Insulation on Pipes

Wrap insulation to copper water pipes and seal HVAC ductwork with mastic to reduce air and water heating system losses. Install water heater timer to reduce standby heat loss.



Smart Plugs

Install smart plugs, advanced power strips and power cutting control devices to reduce phantom loss of electrical power. (An average of \$200 energy is wasted annually by phantom-load loss.)

WAYS TO REDUCE YOUR HOME'S CARBON FOOTPRINT



Insulate Water Heater

Wrap water heater with an energy star insulation blanket.



Efficient Appliances

Assessor may recommend more energy efficient appliances as yours need replacement. For example, you may consider the differences between heat pump appliances and natural gas appliances.



Light Bulbs

Install LED light bulbs.



Shower & Faucets

Add low-flow, high-efficiency shower and faucet upgrades to cut water use and reduce hot water loss. Thermostatic shower valve added to shower pipe may reduce water waste before one enters the shower.



Attic Insulation

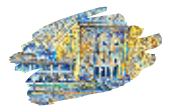
Add additional insulation in the attic, if needed. (For instance, they may suggest that you add R-49 insulation in the attic instead of the usual R-11.)

FOCUS ON ENERGY TRADE ALLIES

You can check out the Focus on Energy website for Do-It-Yourself products and projects. Through the website, you can order some of the energy-saving products a home energy auditor might install.

For bigger projects, like upgrading insulation, or to have a home energy audit, the following local trade allies work with the Focus on Energy program. Check with your energy company on rebates for a home energy audit and implementation.

1. **AA Power Systems and Equipment:** Clifford Niesel, auditor @ 608-397-5252, 826 Hagar Street, La Crosse.
2. **Energy Elements LLC:** Kevin Conroy, N12455 Hunter Lane, Trempealeau, Wi. 54661 @ (608) 386-7454. Kevin is a City of La Crosse engineer so can only serve customers outside of La Crosse.
3. **First American Roofing and Siding, Inc:** 1472 State Road 35, Onalaska @ (608)783-3101
4. **Green Homeowners United:** Kevin Kane, Chief Economist @ www.greenhomeownersunited.com, (414)604-6450, 9618 W Greenfield Ave, West Allis, Wi. 53214. Kevin has worked with banks to help families do green refinancing as well as doing home energy audits and implementations. He was trained by Clifford Niesel of La Crosse and travels around the state.
5. **Larson Home Services:** 3821 Mormon Coulee Road @ (608) 480-6127. Staff assisted our church in brain storming where we needed to improve insulation.
6. **Primary Custom Remodeling, LLC:** 616 5th Ave. S, La Crosse, Wi. (608) 792-7710.
7. **Top Notch Ultimate Insulation LLC:** 307 S. Main St., Holmen, Wi. 54650 @ (608) 386-1711. Tony of Ultimate Insulation worked with our Buildings and Grounds team and Creation Care team at making insulation recommendations for our church.



HOW CAN FIRST CONGO HELP?

First Congregational has a Green Team. The team consists of individuals who have done work on their own homes to reduce their carbon footprint. They can offer small upgrades & direct you to community resources for further upgrades. Please call or email **Maury Weiland @ (608)534-5010** or **mauryweiland@gmail.com**, if you are interested. Below are examples of work that community resources & the team have done.



INSULATING PADS ON OUTSIDE-FACING WALLS



GREEN IS EASY! INCLUDE THE KIDS!



CLEAR SEAL FOR WINDOWS AND DOOR FRAMES



CONTRACTORS HAVE HELPED CHURCH MEMBERS INSTALL LED, RECESSED LIGHT FIXTURES



FIRST CONGO CHANGES OUT LIGHT BULBS FOR FUN!



INSTALLED ADVANCED POWER STRIP & SMART PLUG TO REDUCE PHANTOM ENERGY DRAIN



WATER HEATER WRAPPING



TOILET BANK, FITS IN TOILET WATER TANK



WHAT HAS FIRST CONGO DONE?



**INSTALLING A
NEW FAUCET
AERATOR**



**WATER-SAVING
SHOWER HEAD,
TURNS OFF
WHEN WATER IS
WARM!**



**SEALING
EXTERIOR
PENETRATIONS
WITH GAP 'N
CRACK**



**CONNECT YOU
WITH A HOME
ENERGY
AUDITOR FOR A
BLOWER-DOOR
ASSESSMENT**



**INSTALLED
WHITE DOOR-
SWEEP ON THE
BOTTOM OF
THE DOOR**



**INSTALLED
WATER-SAVING
AERATOR ON
FAUCET**



**SEALING HVAC
DUCTWORK**



**CHILD SAFETY
PLUGS ON
OUTSIDE-
FACING WALLS**



GO SOLAR!