The Retrofit Decision Tool



There are more than 140 million existing homes in this country. Many were built before modern building codes were put into place. These homes vary a lot in terms of age, design, materials, appliances, energy efficiency, and resiliency.



The Retrofit Decision Tool, developed by Pacific Northwest National Laboratory for the U.S. Department of Energy, provides homeowners with a path toward zero energy, no matter what their starting point. The tool uses a simple online questionnaire to identify basic information about the home, then provides homeowners with a tailored list of upgrades and links to installation instructions to help make the building more energy efficient. The ultimate goal is to help homeowners decrease their energy loads, offset power usage with renewable energy, and draw on grid energy when it's the cleanest and cheapest, all of which also helps to reduce the home's carbon footprint.

Does Your Home Need a Tune Up?

Chances are, if your home is more than a few years old, there are some things you could do to reduce your power bills and increase your comfort while improving the energy efficiency and longevity of your home.

Not sure what your home needs and where to start? Try our online quiz. Answer a few simple questions about your home, like the ones below, and we'll give you recommendations, including a list of home energy upgrades tailored to your specific home, along with links to how-to guidance from U.S. Department of Energy's Building America Solution Center, based on DOE building science research.

Results are based on analysis of data from thousands of real homes conducted by by PNNL, Lawrence Berkeley National Laboratory, the National Renewable Energy Laboratory, and Rocky Mountain Institute.

Take the Quiz to find out!

- **1. Where is your building located?** State/County
- 2. What is your building type?



Detached



Single Family Attached

Mobile Home











10. Does your building have ceiling insulation?

11. What is your primary fuel for the existing

12. What heating fuel does the building water



Natural Gas

heating system?

heater use?

Electricity

Fuel Oil





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Mulltifamily with	5+ units,	5+ units,	5+ units,
with 2+ 4 units	1-3 stories	8+ stories	4-7 stories

- 3. When was the building built? □ Before 1940 □ 1940-1979 □ 1980 or later
- 4. What is the square footage of your building? □ < 1,500 sq ft □ 1,500 – 2,800 sq ft □ 2,800 sq ft
- 6. What is the existing cooling method? □ Central AC □ Room AC □ Heat Pump □ None
- 7. Does your building have ducts?
 Yes No
- 8. What type of walls does the building have? □ Wood frame □ Brick □ Concrete □ Steel frame
- 9. Does your building have wall insulation?



13. What type of windows does the building **have?** Single Double Triple Pane













For more information on the Building America Retrofit Decision Tool website: https://basc.pnnl.gov/retrofit_decision_tool

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