Adding Insulation when Re-Siding

Planning to Re-Side Your Home?



Join Our

Re-Siding is a great time to add insulation!

Pacific

Northwest

Every year about 3.5 million homeowners spend money on siding projects, including about 4 billion sq. ft. of siding for retrofit projects alone. Yet hardly any of those projects include insulation and air sealing – an enormous missed opportunity! Wrapping the walls in a layer of rigid insulation is a great way to improve the comfort and durability of your home while reducing heating and cooling bills - **up to 20%**! Plus, combining with an already scheduled re-siding project saves a ton of time, effort, and money!

Once the old siding is peeled off and before the new siding is put on, the contractor can costeffectively insulate, air seal, and flash around windows and doors to keep out drafts, moisture, and bugs while locking in energy savings. This is also a great time to inspect the walls and windows and replace any damaged sheathing. Rigid insulation options include expanded polystyrene (EPS), extruded polystyrene (XPS), polyisocyanurate, mineral wool boards, wood fiber, fiberglass, or cork. Since the exterior sheathing is exposed, you can also add blown cellulose, fiberglass, or mineral wool inside the walls if your house lacks wall cavity insulation.

Research Study!

We are conducting a field study across the country with homeowners and siding contractors who are interested in adding exterior insulation while conducting a home residing project.

Through this Adding Insulation when Re-Siding (AIRS) initiative, conducted by the Pacific Northwest National Laboratory for the U.S. Department of Energy, PNNL will fund the added cost of the insulation and air sealing materials including house wrap in exchange for the opportunity to collect before and after energy usage data and homeowner and contractor experiences with the retrofit process.

Siding replacement is also an excellent time to consider window upgrades, ranging from adding interior or exterior storm windows, to replacing the window glazing unit, to full window and frame replacement. Together these retrofits can dramatically increase the comfort and quiet of your home while decreasing energy bills for years to come.

Here are 12 Simple Steps to Insulating when Re-Siding for a More Energy-Efficient, Comfortable, and Longer Lasting Home



If you'd like your home or project considered for this study, contact Tabitha Artuso at PNNL, 509-371-6252, tabitha.artuso@pnnl.gov.



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PNNL www.pnnl.gov If you're re-siding don't miss the chance to add huge improvements with just a little more time and money!