SIDE-BY-SIDE LAB HOMES DELIVER WHOLE-HOME RESULTS WITH LABORATORY PRECISION

Get energy saving and performance results with less error, for a fraction of the cost of a field test. PNNL can simulate a wide range of occupants and represent some of the most extreme climates in the country.

Lab Home results from cellular shades experiments showed up to 14% energy savings on heating and cooling loads.

Preliminary results show a decrease in the heating energy penalty associated with installations in conditioned space as the water heater is moved further from the thermostat and return grill.

Preliminary results show the CO2 combi system can meet low and high occupancy profile loads, with outdoor temperatures down to about 35°F.

Interactions between the thermostat and automated window shades, are easily captured.

Can dynamic shades be used as a grid-response device, either by themselves or in conjunction with the HVAC system?

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Thank You Sponsors!

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