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HVAC issues for Deep Energy Retrofits

Most of the following are more challenging when the interior is not being touched

Ventilation

- When is it needed?
- Is heat/energy recovery always part of the package?

Heating

- How is the decision to keep or replace the heating system made?
 - Steam boiler/radiators
 - Poor duct work system (panned returns, etc.)
 - Electric resistance heat
- How hard do we work to put new duct work in a house that hasn't had it? What about high velocity systems?
- When do we put in a small parallel system that anticipates the end product of a phased project?
- When is a cocooning strategy sensible (isolating and superinsulating part of a house, providing it with it's own heat?)
- Should we use flex duct anywhere?

DHW

- When do indoor-located heat pump water heaters make sense in cold climates?

Fuels

- Should oil and indoor tanks be preserved?
- Is natural gas really natural? Why does it smell like rotten eggs?
- Why choose natural gas vs. electricity in heat pumps?
- At what point is the gas meter disconnected to save the monthly meter charges?