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HVAC Installation Quality

The research shows that on average HVAC performance is the biggest and most cost effective opportunity for Building Decarbonization (BD), both new buildings and retrofits – for the data see CEC report 500-2012-062 – EFFICIENCY CHARACTERISTICS AND OPPORTUNITIES FOR NEW CALIFORNIA HOMES (ECO) – .

We model HVAC performance – but the 30% to 50% of lost HVAC performance due to design and installation issues is not captured in the modeling.

To capture this biggest opportunity we need –performance data– gathering systems on every HVAC installation – systems like TruEnergy (a residential cloud-based constant commissioning system).