Connecticut HES Air Sealing, Duct Sealing, and Insulation Practices (R151)

NMR was contracted by The Connecticut Energy Efficiency Board to identify energy savings opportunities for the CT Home Energy Solutions (HES) weatherization program. We conducted **eight primary research tasks**, including on-site reviews of the air sealing, duct sealing, and insulation practices of program vendors.



Data from Homes Weatherized through HES Program



Participant Interviews



Program Staff Interviews



On-site Inspections Along-side HES Vendors



HES Vendor Interviews



Interviews with Administrators from Leading Programs



On-site Quality Inspections



QA/QC Vendor Interviews

While customers are highly satisfied with this popular program, we identified several actionable insights and recommendations for increasing the program's effectiveness and capturing additional savings.

Key Findings: 'Low Hanging Fruit' in Air Sealing, Duct Sealing, & Insulation

The team examined homes for air and duct sealing opportunities missed by HES vendors. Many contained instances of readily-accessible improvements missed by vendors.

Air Sealing Opportunities: 46% of Attics, 56% of Attic Hatches, 74% of Basement Ceilings, 72% of Basement Rim Joints **Duct Sealing Opportunities:** 53% of Duct Systems; 15% of Ducts exhibited no improvement post-program

