

Energy Skilled Content Requirements - Single Family Home Energy Assessment

The following domains and tasks outline the technical content that is used to evaluate training programs that submit for Energy Skilled recognition. The required scoring criteria are consistent with the most recent Department of Energy (DOE) led and industry-validated Jobs Task Analysis. The [Single Family Energy Auditor Job Task Analysis](#) was developed by the National Renewable Energy Laboratory.

Domains	Tasks	Required or Recommended?
Customer relations and business development	Review the scope, process, and schedule with the homeowner. Identify concerns and goals	Recommended
	Identify measures to help the homeowner meet the objectives of the audit	Recommended
	Identify and communicate knowledge of local utility rebates, financing, or other relevant assistance programs	Recommended
	Have skills in listening, verbal and nonverbal communication	Recommended
	Have knowledge of climate and emissions, and comfort and health impacts of home energy use	Recommended
Collection of Visual, Material, Dimensional, and Appliance Information about the Building for an Energy Audit	Document energy consumption	Required
	Document the building history	Required
	Conduct a physical/visual inspection	Required
	Collect health and safety data	Required
	Collect appliance and base load information	Required
	Identify a conditioned building enclosure	Required
	Collect mechanical ventilation data	Required
	Identify building insulation (attic, walls, and foundation/subspace)	Required
	Collect attic data	Required
	Collect wall data	Required
	Collect window and door data	Required
	Collect foundation/subspace data	Required
Collect roof data	Required	
Diagnostic Testing of the Dwelling Unit for an Energy Audit	Prepare the dwelling unit for the test(s)	Required
	Test the electric appliances	Required
	Conduct indoor air quality tests	Required
	Determine the safety and efficiency of combustion appliances	Required
	Determine air leakage of the building envelope	Required
	Determine the performance of HVAC distribution, including duct leakage test	Required
Evaluation of Collected Energy Audit Data to Determine the Scope of Work	Evaluate the health and safety data	Required
	Evaluate the durability/structural integrity of the building	Required
	Evaluate the HVAC system	Required
	Evaluate the mechanical ventilation	Required
	Evaluate energy use	Required
	Evaluate the foundation/subspace	Required
	Evaluate the walls	Required
	Evaluate the attic	Required
Evaluate the doors and windows	Required	

Domains	Tasks	Required or Recommended?
	Identify additional energy-related opportunities, including renewable energy generation	Recommended
	Identify opportunities for replacing fossil fuel combustion equipment with decarbonized equipment	Recommended
	Use energy modeling software	Required
	Generate the recommended work scope, including economic analysis	Required