

1. **Rehabilitation Program** is a housing sustainability program with three subcategories. The maximum number of homeowners to receive assistance under any of these programs is six (6). A city/county may choose to apply for any of the following subcategories individually or in conjunction with each other, or with the Homebuyer Assistance program.
  - a. *Exterior house improvements* (improve the outside envelope of the home). This includes, but is not limited to:
    - installing/replacing gutters,
    - replacing roof covering, underlayment, and deck if necessary
    - installing flashing,
    - installing/replacing ventilation if necessary,
    - removal and disposal of old roof/gutter system,
    - replacement of fascia and soffit,
    - replacement of windows per Window Selection Guide (no vinyl),
    - replacement of exterior doors per Exterior Door Selection Guide,
    - replacement of siding for  $\geq$  R-5 continuous exterior insulation,
    - repair foundation, and
    - replace outside stairways.
  - b. *Energy efficiency improvements* (implements energy efficiency improvements in home). The required and Tier I activities must be completed before any of Tier II activities can be done.
    - i. Required activities include the following: energy audit, smoke and carbon monoxide detectors, and radon mitigation
    - ii. Tier I activities include the following: smart thermostat, air sealing, insulation, and lighting
    - iii. Tier II activities can be one or all of the following: electrical, water heater, heating/cooling, water conserving fixtures, siding, and windows (no vinyl windows).



## CDBG HOME ENERGY EFFICIENCY ELIGIBLE ACTIVITIES

These cost-effective home energy performance best practices are eligible for CDBG assistance. **Completion of a National Energy Audit Tool (NEAT) or Manufactured Home Energy Audit (MHEA) audit is required for all projects.** All Tier I items must be addressed before Tier II items to be eligible.

Required

1.  **Energy Audit** - Conduct energy efficiency audit & blower door test to identify scope of work.
2.  **Smoke & Carbon Monoxide Detector** - Install detectors as dictated by applicable code.
3.  **Radon** - Test for radon and install radon mitigation system if warranted by test results.

Tier I

4.  **Smart Thermostat** - Install ENERGY STAR smart thermostat.
5.  **Air Sealing** - Seal All Air Penetrations.
6.  **Insulation** - Insulate to  $\geq$  current energy code requirements. Prioritize insulating attics & rim joists.
7.  **Lighting** - Replace lighting fixtures and lamps with LED fixtures and lamps only.
8.  **Electrical** - install electrical system improvements per current code when necessary for health and safety or as needed to support other energy efficiency improvements such as HVAC and lighting.
9.  **Water Heater** - Install power vented or direct vent. Provide adequate drainage including drains or catch pans with pipes drained to sewer line. Meet these performance standards.

- Install Power Vented or Direct Vent
- Provide adequate drainage including drains or catch pans with drains piped to exterior
- Choose from the following:
  - Natural gas  $\leq$  55 gallons - Energy Factor (EF)  $\geq$  .67 and Energy Star Qualified
  - Natural gas  $>$  55 gallons - (EF)  $\geq$  .77 and Energy Star Qualified
  - Electric  $\leq$  55 gallons - (EF)  $\geq$  2.00 and Energy Star Qualified
  - Electric  $>$  55 gallons - (EF)  $\geq$  2.20 and Energy Star Qualified
  - Electric Heat Pump - (EF)  $\geq$  2.20, work with HVAC contractor on heat pump location
  - Gas Instantaneous - (EF)  $\geq$  .90 and Energy Star Qualified
  - High Capacity Storage - Thermal Efficiency (TE)  $\geq$  .90 and Energy Star Qualified

Tier II

10.  **Heating and Cooling** - Calculate ACCA Manual J, Manual S and Manual D (if needed), to right size equipment. Seal ductwork with mastic. Provide operations and maintenance manuals to homeowner.
  - Natural Gas Furnace  $\geq$  96 AFUE, Boiler  $\geq$  90 AFUE (5.1)
  - Mini-Split Heat Pump 15 SEER / EER 12.5 / HSPF 8.5
  - Air-Source Heat Pump (forced air) 16 SEER / EER 13.0 / HSPF 9.0
  - Geothermal Heat Pump - 18 EER, 4 COP (5.1)
  - Air Conditioning - Electric Forced Air  $\geq$  SEER 16/EER 13, Air-Source Heat Pump (HSPF 9.0)
11.  **Water-Conserving Fixtures** - When replacing fixtures, meet these performance standards.
  - Toilets: WaterSense-labeled and  $\leq$  1.28 gpf, OR dual-flush toilets, OR pressure-assisted toilets
  - Showerheads: WaterSense-labeled and  $\leq$  1.75 gpm
  - Kitchen Faucets:  $\leq$  2.0 gpm
  - Lavatory Faucets: WaterSense-labeled and  $\leq$  1.5 gpm
  - Static Service Pressure:  $\leq$  60 psi
12.  **Siding** - Install durable cladding per manufacturer instructions. Thoroughly air seal exterior wall & install  $\geq$  R-5 continuous exterior insulation per International Energy Conservation Code.
13.  **Windows** - See IEDA's Window Selection Guide for requirements, best practices and resources.

By signing this checklist, I certify I am aware of the best practices above and will put forth a good faith effort to install improvements following best practices standards and manufacturer instructions.

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 CDBG Recipient

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 Date