

Benton Rural Electric Association

Measures and Installation Requirements for Energy Savings Loans

High Performance Storm Windows

Preexisting windows must be either (1) single pane or (2) double pane, metal-framed (without existing storm windows). The Low-E storm window must be installed per manufacturer's specification, fastened by screws, with the Low-E coating facing toward the interior of the home and not designed for seasonal removal; if installation involves a contractor, the contractor's bid must meet these requirements.

Duct Insulation

Preexisting condition: metal portion of ducts in unconditioned spaces must be bare or have 1" or less of batt insulation without a vapor barrier. Post measure condition must meet the requirements of the BPA 2016 Residential Weatherization Specification; a contractor's bid must meet this requirement. Utility pre and post inspection is required.

Duct Sealing

Duct sealing requires a visit from a Benton REA technician to confirm that the pre-measure leakage qualifies the ducts as "leaky". Duct sealing must be performed by a PTCS certified technician and meet PTCS duct sealing targets for leakage to the exterior; a contractor's bid must meet this requirement.

Air Source Heat Pumps

Air source heat pumps must be installed by a PTCS certified technician in the employment of an HVAC company on Benton REA's partner list. The contractor's bid must indicate the installation meets PTCS performance specifications.

Ductless Heat Pumps

Ductless heat pumps need to be installed by one of the HVAC companies partnering in our ductless heat pump program and the technician must be an "oriented" installer. That company will submit the Ductless Heat Pump Installation Form and Benton REA will visit the home to confirm that the installation meets program specifications; a contractor's bid must meet this requirement.

Insulation

All floor, wall and ceiling insulation projects require a visit from Benton REA to confirm the pre-measure condition and afterwards to observe the post-measure improvement. The pre and post condition situations are below.

Floors:	pre-condition: R-0	post-condition: \geq R-19
Walls:	pre-condition: R-0	post-condition: \geq R-11
Ceilings:	pre-condition: \leq R-11	post-condition: \geq R-38

Post measure installation must meet the requirements of the BPA 2016 Residential Weatherization Specification; when a contractor is involved in this installation, a contractor's bid must meet this requirement.

Whole House Air Sealing

Whole house air sealing requires a visit from a Benton REA technician to confirm that the pre-measure home leakage qualifies the home as "leaky". Homes which test at less than 10 ACH50 will not be eligible for a loan on this measure. Air sealing shall be done in accordance with BPA 2016 Residential Weatherization Specifications; a contractor's bid must meet this requirement.

Clothes Washers and Dryers

Equipment must be on the current CEE (Consortium for Energy Efficiency) listing as of the purchase date. Appliances must be installed as per manufacturer's instructions. Benton REA may wish to do a post installation inspection. For a qualified products list, contact Benton REA at 509-786-8265 or memberservices@bentonrea.org.