



Appendix 5

Utah Measure Installation Verifications

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Low Income Weatherization

All projects

- All measures are qualified through US Department of Energy approved audit tool or priority list.
- 100 percent inspection by agency inspector of all homes treated, reconciling work completed and quality (corrective action includes measure verification) prior to invoicing Company.
- State inspectors randomly inspect 5-10 percent of completed homes.

Home Energy Savings

(Outline below includes Cool Cash measures that became part of Home Energy Savings program in 2013.)

Site inspections by Program Administrator staff for the following retrofit measures (≥ 5 percent)

- Central air conditioner best practice installation
- Central air conditioner proper sizing
- Central air conditioner / heat pump tune-ups
- Duct sealing and insulation
- Duct sealing
- Gas furnace with electrically commutated motor (ECM)
- Heat pump water heater
- Insulation
- Windows

Pre and post site inspections of 100 percent by Program Administrator staff of all whole home ducted evaporative coolers and multifamily projects.

No site inspections are conducted for the following. However all post-purchase incented measures undergo a quality assurance review prior to the issuance of the customer/dealer incentive and recording of savings (i.e. proof of purchase receipt review) and eligible equipment review. Additionally, customer account and customer address are checked to ensure the Company does not double pay for the same measure or double count measure savings.

- Air conditioners
- Clothes washers
- Dishwasher
- Evaporative coolers (excluding whole home ducted)
- Light fixtures
- Refrigerators / Freezers
- Water heaters (excluding heat pump water heaters)

Other measures

- CFLs and LEDs – retail channel, manufacturer agreements and program administrator sales record reviews of qualifying equipment. Invoicing and retail pricing is administered by program administrator.

Refrigerator Recycling

Company hires an independent inspector to phone survey ≥ 5 percent program participants and to site inspect ≥ 10 percent of program participants in order to verifying program participation, eligibility of equipment, that vendor pick-up procedures are followed (equipment is disabled at site, kits distributed, etc.) and to survey customer experience.

New Homes

Site inspections by Program Administrator staff for the following measures (≥ 5 percent)

- 15 SEER AC
- Evaporative Cooling Equipment
- Geothermal Heat Pumps
- 2x6 Walls – R20 insulation
- ENERGY STAR Lighting
- Dishwasher (EF 0.75+)
- Refrigerator – CEE Tier 3
- HVAC-Quality Installation
- ECM Motor
- R-5 Windows
- IECC Energy Code Certification
- ENERGY STAR Certified Home
- High Performance ENERGY STAR Certified Home

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For projects delivered by third part program administrator

Lighting projects

- Retrofits - 100 percent pre- and post-installation site inspections by third party consultant of all projects with incentives over a specified dollar amount. Project cost documentation reviewed for all projects.
- New construction - 100 percent post-installation site inspections by third party consultant of all projects with incentives over a specified dollar amount.
- A percent of post-installation site inspections by program administrator of projects with incentives under a specified dollar amount.

Non-lighting projects (typical upgrades/listed measures, custom measures)

- 100 percent of applications with an incentive that exceeds a specified dollar amount will be inspected (via site inspection) by program administrator.
- A minimum of a specified percent of remaining non-lighting applications will be inspected, either in person or via telephone interview, by program administrator.

For Company in-house project manager delivered projects

Lighting and non-lighting

- 100 percent pre/post-installation site inspections by third party consulting engineering firms, invoice reconciled to inspection results.
- No pre-inspection for new construction

All Programs

As part of the third-party program evaluations (two-year cycle) process, the Company is implementing semi-annual customer surveys to collect evaluation-relevant data more frequently to cure for memory loss and other detractors such as customers moving and data not be readily available at evaluation time). This will serve as a further check verifying customer participation and measures installed.

Additional record reviews and site inspections (including metering/data logging) is conducted as part of the process and impact evaluations, a final verification of measure installations.