

Implementation Manual Updates: April, 2014

Programmatic Changes



General Requirements

Effective October 1

Change: BPA will implement the following reporting period policy: customers may report energy savings, at any time, as long as the completion dates are in the current or previous rate period.

Rationale: This addition provides important reporting guidance to customers.

Custom Projects

Effective Immediately

Change: The following rules have been eliminated:

- Six month payback requirement
- Mandatory proposal submittal for Option 1 customers (except for Large Project Fund and Progress Payment applications and Emerging Technology Demonstration Field Test Projects)
- Requirement that measures for which deemed incentives are available may not be claimed in custom projects
- Industrial pass-through requirement requiring that 100% of BPA payment be passed through to the end user for industrial custom projects

Rationale: BPA has examined all of the custom project rules and requirements and has eliminated those rules that are not critical to ensuring reliable cost-effective custom projects

Custom Projects

Effective Immediately

Change: The cost-effectiveness requirements for Option 1 customers have been modified. Projects under 200,000 kWh have no cost-effectiveness requirements. Projects larger than 200,000 kWh will still be screened for cost-effectiveness at either proposal (optional) or completion report stage.

Rationale: BPA has examined all of the custom project rules and requirements and has modified those rules to reflect those rules that are critical to ensuring reliable cost-effective custom projects

Change: Customers wishing to participate as Option 2 must renew their participation option at the start of each rate period.

Rationale: No guidance was given on the continuance of this participation option previously.

Custom Projects

Effective Immediately

Correction: The Custom Projects section has been revised to accommodate the secession from custom programs

Rationale: These revisions add clarity.

Custom Programs

Effective Immediately

Correction: The Custom Programs section has been revised to accommodate the secession from custom projects

Rationale: These revisions add clarity.

Effective October 1

Change: Custom Programs will no longer be eligible for Progress Payments or Large Project fund.

Rationale: The mechanism to implement these funding options is not feasible for custom programs.

Custom Programs

Effective October 1

Change: M&V custom programs must be TRC cost effective ($TRC > 1.0$) at a custom program calculator level.

Rationale: This rule has been updated to allow more flexibility

Change: Completion reports for M&V custom programs must be retained and must include the documentation detailed in the IM.

Rationale: Requirements were not previously clearly stated. Due to the nature of M&V custom programs, completion reports need to be retained for future evaluation.

Change: BPA will define M&V custom program completion report requirements at the time of proposal approval.

Rationale: Requirements for completion reports were not clearly stated.



Agricultural Sector

Presenter: Jennifer Eskil



Agricultural Sector

Effective Immediately

Correction: Language from the Freeze Resistant Stock Water Tanks specifications document was moved to the Manual.

Rationale: The additional specifications in the outside document were so minimal that they could be easily incorporated into the Manual and save customers the extra step of going to the Document Library.

Correction: Language was added to the Variable Frequency Drives Agricultural Turbine Pump Applications measure to indicate that energy savings is from pump usage.

Rationale: This edit brings clarity to the original language.



Agricultural Sector

Effective Immediately

Correction: The Irrigation System Upgrades payment table for sprinkler equipment was revised to clarify the replaced equipment requirements.

Rationale: These edits add clarity to the original language.

Correction: The Irrigation System Upgrades measure was edited to remove the requirement that the “entire line or entire pivot must be replaced.”

Rationale: The requirement was not necessary.



Agricultural Sector

Effective Immediately

Change: The requirements for the Irrigation Pump Testing and System Analysis have been revised to remove the requirement that critical sprinklers must be evaluated for a Simple System Irrigation Pump Test.

Rationale: This edit brings clarity to the original language.

Change: The requirement that Transformer De-energization only applies to systems that do not currently incorporate the practice has been removed.

Rationale: This was an unneeded requirement.



Agricultural Sector

Effective October 1

Change: Savings will be reduced for Freeze Resistant Stock Water Tanks.

Rationale: The RTF recommended a savings reduction, and BPA accepted this reduction. Payments are not changing.

Change: Variable Frequency Drives - Vacuum Pumps for Small Milking Machines in Dairies will no longer be available.

Rationale: The RTF has expired this measure, and BPA acting in accordance with the RTF.



Agricultural Sector

Effective October 1

Change: An additional documentation requirement will be added to the Variable Frequency Drives in Agricultural Turbine Pump Applications to require the submittal and retention of the Turbine Pump VFD Energy Savings Calculator. BPA will no longer collect information via the BPA Qualified and Provisionally Deemed Input Sheet

Rationale: This documentation is needed to calculate the energy savings and incentives.



Commercial Sector

Presenter: Allie Mace



Commercial Sector

Effective Immediately

Correction: Language contained in the ESG sign-up form was deleted from the Manual, and the information contained in the changes table was added to the form such that the form now includes the following sentence (information previously a part of the Manual): Revisions will be effective within 30 days after the request, and program option and scope may be changed only once per fiscal year.

Rationale: In an effort to reduce duplicative information, the language was removed from the Manual but remains in the form.

Correction: The specification language regarding the Web-Enabled Programmable Thermostat measure has been changed from “be programmed for the following” to “be capable of the following.”

Rationale: The original specification was based on best practice operation which would potentially have a high level of oversight and quality assurance burden. The new language reflects the technical capabilities present to achieve savings.



Commercial Sector

Effective Immediately

Change: A new Demand Controlled Kitchen Ventilation measure has been added.

Rationale: The addition of this measure is based on studies that demonstrate fan energy savings.

Change: A new Pre-rinse Spray Wash Valves measure has been added.

Rationale: The RTF replaced the current pre-rinse spray valve measure with new measures with expanded applicability, and BPA has accepted this addition.



Commercial Sector

Effective October 1

Change: Effective October 1, 2014, savings will either change or expire for certain Deemed Refrigeration Retrofit Measures.

Rationale: The RTF has adjusted the savings for Anti-Sweat Heat Control, and BPA has accepted these adjustments.

Change: Effective October 1, 2014, the Commercial Ice Makers measures will expire.

Rationale: The RTF has deactivated the measures, and in response BPA will remove this offering.

Change: Effective October 1, 2014, the Commercial Dishwashers measures will expire.

Rationale: The RTF has deactivated the measures, and in response BPA will remove this offering.



Commercial Sector

Effective October 1

Change: Effective October 1, 2014, the existing Pre-rinse Spray Wash Valves measure will expire (but a new measure is now in place).

Rationale: The RTF has deactivated the measures, and in response, BPA will remove this offering.

Change: Effective October 1, 2014, savings for certain Networked Computer Power Management measures will expire or change.

Rationale: The RTF has deactivated the “All Commercial Buildings” measures, and BPA will remove the measure in response. Savings for the “Schools” measures will change.



Industrial Sector

Presenter: Steve Brooks



Industrial Sector

Effective Immediately

Change: The custom project steps have been revised to indicate that the proposal is now optional.

Rationale: This revision aligns the section with the change to the general custom project rules.

Change: The industrial custom project 100% pass through incentive has been removed.

Rationale: This revision aligns the section with the change to the general custom project rules.



Industrial Sector

Effective Immediately

Correction: The specific language for Energy Smart Industrial's Energy Management Track and Tune - Requirements and Specifications has been revised to re-align the process and steps for enrollment and participation.

Rationale: This revision brings clarity to the process and steps to participate.

Correction: The specific language for Energy Smart Industrial's Energy Management High Performance Energy Management – Requirements and Specifications has been revised to re-align the process and steps for enrollment and participation.

Rationale: This revision brings clarity to the process and steps to participate.



Industrial Sector

Effective Immediately

Change: A new Limited Availability offering: Small Industrial High Performance Energy Management was added.

Rationale: The new offering was ready for qualifying industries



Residential Sector

Presenter: Sarah Fielding Moore



Residential Sector

Effective Immediately

Change: The sector definition was edited to reflect that High Intensity Discharge lighting installed in a residential setting must be reported as commercial sector.

Regardless of location, this measure has a commercial baseline.

Correction: The ENERGY STAR CFLs measure was corrected to indicate that only CFLs distributed via direct install are required to replace incandescent or halogen bulbs.

The section previously referenced all replacements instead of just those replaced via direct install distribution.



Residential Sector

Effective Immediately

Change: LED bulbs listed on the Lighting Design Lab Qualified LED lamp list may be reported to BPA.

Change: The restriction on reporting Appliances as “Any or Tiers” was removed. This sentence was deleted: “Customer will have the option of choosing either Any ENERGY STAR Refrigerator or the CEE Tiered measures, but not both within a BPA fiscal year.” This change applies retroactively to October 1, 2013, and customers can report under any applicable reference number without limitation.

Change: A new Pipe Insulation measure has been added, and the Pipe Insulation measure set to expire has been restored until October 1, 2014 at which point it will expire. Until October 1, 2014, customers may report either measure.



Residential Sector

Effective Immediately

Change: The Ductless Heat Pump measure has been revised to remove the requirements that the residence have “*permanently installed*” electric heat and that homes “*not be constructed within the past year.*”

Correction: PTCS requirements revised: homes with hydronic heating systems using an electric resistance water heater are considered equivalent to an electric furnace.

Correction: The section on PTCS upgrades has been corrected to allow any source of non-electric back-up heat (e.g. gas/oil/propane/wood).

Correction: Line Voltage Thermostat spec language has been added to the text of the Implementation Manual.



Residential Sector

Effective Immediately

NW Energy Efficient Manufactured Homes

Correction: Updated contact information on how to get NEEM certificate.

Correction: Clarified title of the certificate to “NEEM ENERGY STAR certificate”

Change : Add a new measure and certification for New High Performance Manufactured Homes



Residential Sector

Effective Immediately

Correction: The words “permanently installed” have been removed from the definition of electrically heated homes for Weatherization measures.

Rationale: This was changed to allow broader application of these measures. See the new, expanded definition for “electrically heated” in the Wx section.



Residential Sector

Effective Immediately

Change: Insulation measures were expanded to allow attic insulation for manufactured homes in Heating Zone 1.

Correction: The requirement that existing doors be “substandard” in the Insulated Exterior Doors measure was clarified.



Residential Sector

Effective Immediately

New measures for Low Income Weatherization:

- Exterior insulated doors
- Ductless heat pumps (zonal or EFAF) for Single-family homes
- Ductless heat pumps (EFAF) for Manufactured homes

Correction: Low-income window/patio door requirement has been corrected to be clear that a U-Factor of .35 (or Class 35) qualifies.



Residential Sector

Effective October 1

Change: Effective October 1, 2014, the savings for some LED bulbs and fixtures will change. These measures were updated by the RTF and BPA has accepted the RTF recommendations.

Change: Effective October 1, 2014, the Ductless Heat Pump specification will be revised to include a Heating Seasonal Performance Factor (HSPF) requirement of 9.0 for single head systems and 8.0 for multi-head systems.



Residential Sector

Effective October 1

Change: Air Source Heat Pumps will be eligible as stand-alone measures without duct testing or previous certification of the duct system. Ducts may still be sealed and claimed as a separate measure.

Change: Air Source Heat Pumps must be installed according to the “Air Source Heat Pump Installation Specification” dated June 11, 2013



Residential Sector

Effective October 1

Change: The Performance Tested Comfort Systems online registry will move from www.ptcsnw.com to BPA's internal Web site.

Change: The payment for PTCS Duct Sealing will be reduced to \$200.00 for manufactured and new single-family homes and \$250.00 for existing single-family homes.



Residential Sector

Effective October 1

Change: Whole House Air Sealing - only homes built during or prior to 1982 will qualify.

Change: For Weatherization (standard and low income) customers must follow the 2014 BPA Residential Weatherization Requirements in the Document Library.

Change: For Weatherization (standard and low income) customers must meet new eligibility requirements for electrically heated homes

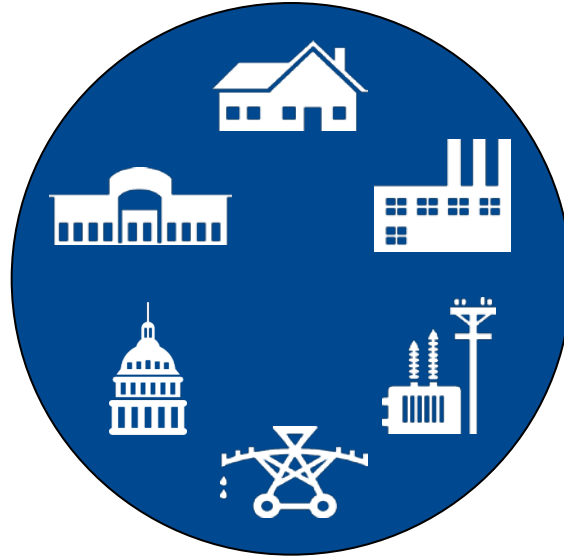


Residential Sector

Effective October 1

The following conditions will meet BPA's definition of an electrically heated home with an electric heating system as the primary system.

1. A permanently-installed electric heating system with either
 - a) no other functioning non-electric heating system, or
 - b) a wood stove, pellet stove, fireplace, fireplace insert (wood/pellet) or wood furnace
2. An electric heat pump integrated with a non-electric heating system (e.g. oil, gas, wood).
3. A wood stove or pellet stove with no other non-electric heating system, accompanied by the current usage of plug-in electric space heaters
4. An electric heat system and a separate functional or nonfunctional, nonelectric space heating system (oil, gas, wood) with the entire non-electric heating system decommissioned, removed, penetrations sealed, and fuel connections disconnected.



Multi Sector

Presenter: John Wilson

Multi-Sector

Effective Immediately

Correction: The Direct Acquisition section was removed since it only applies to Green Motors. The pertinent portions of the section were folded into the Green Motors section.

Rationale: The separate Direct Acquisition section was unnecessary since it was serving one measure.

New measure: A new measure has been added for Commercial Clothes Washers in Multifamily Common Areas.

Rationale: The RTF approved this new measure.

Multi-Sector

Effective October 1

Change: Effective October 1, 2014, the savings will increase for one Electric Storage Water Heater measure.

Rationale: The RTF has updated the savings, and BPA has accepted the change.

Change: Effective October 1, 2014, the Refrigerator and Freezer Decommissioning in commercial buildings measure will expire.

Rationale: The RTF has deactivated the measure, and BPA will remove the measure in response.

Multi-Sector

Effective Immediately

New measure: Customers may submit HID exterior lighting projects through the non-residential lighting program in batch form, regardless of sector. Installations in residential settings must be reported as commercial sector.

Rationale: This accesses savings from commercial-type HID applications in residential settings.

Correction: The Non-Residential Lighting Program section has been rewritten to better describe the program requirements and lighting calculator rules and requirements.

Rationale: The lighting section was unclear and, in places, inconsistent with the lighting calculator. These revisions provide clarity.

Multi-Sector



3.2 brownbag
April 2!

Effective October 1

Change: Effective October 1, 2014, only Lighting Calculator 3.2 and subsequent versions will be accepted. 3.2 includes the changes detailed below.

Rationale: Lighting Calculator 3.2 includes enhanced functionality and all updated baselines for EISA and GSFL standards.

Change: Effective October 1, 2014, the updated market baseline for 4' and 8' T12s will be required (included in LC3.2)

Rationale: The baseline numbers from the Commercial Lighting Market Characterization Study have been finalized.

Change: Effective October 1, 2014, the Non-residential Lighting Program EISA baseline will apply to all 100, 75, 60, and 40 watt standard incandescent A lamps.

Rationale: The EISA standard changes the baseline for all 100, 75, 60, and 40 watt standard incandescent A lamps.