

# Implementation Manual Updates: October, 2015

## Programmatic Changes





# Agricultural Sector

## Presenter: Tom Osborn



# Agricultural Sector

## Effective Immediately

**Clarification:** Revised the Documentation Requirements sections for each of the Agricultural Sector measures.

**Rationale:** Revised the Documentation Requirements to synchronize with the Requirements and Specifications to bring more clarity and consistency for each measure.

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**Correction:** Payment for Transformer De-Energization has been clarified. As of Oct. 1, 2015, BPA will pay \$0.025 per kWh of busbar energy savings.

**Rationale:** The previous language was confusing and leftover from when the measure was a custom project.



# Commercial Sector

## Presenter: John Wilson



# Commercial Sector

## Effective Immediately

**Clarification:** Revised the Documentation Requirements section for several commercial sector measures.

**Rationale:** Revised the Documentation Requirements to synchronize with the Requirements and Specifications to bring more clarity and consistency.

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**Change:** BPA will expire the LED Traffic Signal measure on Sept. 30, 2016. LED traffic signals will still be eligible for reporting through the non-residential lighting program as non-standard measures.

**Rationale:** In an attempt to reduce duplicative measures and streamline program offerings this measure is being expired. The traffic signal market is largely transformed and the measure is still available through the non-residential lighting calculator.



# Commercial Sector

## Effective Immediately

**Clarification:** Unitary AC Equipment

**Rationale:** Changed payment table from unit to tons / unit to be consistent with the rest of the sector measures.

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**Change:** Advance Roof Top Controls (ARC)

**Rationale:** Added additional product options (ARC-Lite). Introduced a QPL, and streamlined payment table to simplify utility implementation.



# Commercial Sector

## Effective Immediately

**Clarification:** Commercial Ductless Heat Pumps

**Rationale:** Edits to requirements and specifications and the payment table sections were made to provide clarity and simplify utility implementation.

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**Clarification:** Commercial Heat Pumps

**Rationale:** Added clarifying language to simplify utility implementation specific to the commercial heat pump tool.



# Commercial Sector

## Effective Immediately

**Clarification:** Web Enabled Programmable Thermostats (WEPTs)

**Rationale:** Added clarifying language to distinguish between non-programmable thermostat baselines and programmable thermostats which are not web enabled baselines. Introduced a QPL to simplify utility implementation.

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**Change:** The Energy Smart Grocer program ends March 31, 2016 following a six month close out period beginning October 1, 2015.

**Rationale:** Contract renewal options have run their course, and BPA is shifting to development of a more broad-based commercial sector program, compared to the ESG program's narrower scope targeting mainly refrigeration and lighting.





# Commercial Sector

## Effective Immediately

**Clarification:** The deemed refrigeration retrofit measure section has been expanded.

**Rationale:** Added deemed refrigeration measures to the IM which were previously listed, and added requirements and payments which were previously available only via hyper-link to the Deemed Measure List.

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**Clarification:** Commercial electric hot water heater

**Rationale:** Relocated from the multi-sector portion of the IM into the commercial sector. Created a QPL to simplify utility implementation.



# Commercial Sector

## Effective Immediately

**Clarification:** Networked Computer Power Management

**Rationale:** Added language to allow qualifying laptop computers



# Commercial Sector

## Effective Immediately

Visit the IM Document Library for new, simplified measure forms.

<http://www.bpa.gov/EE/Policy/IManual/Pages/IM-Document-Library.aspx>



# Residential Sector

Presenter: Sarah F. Moore



# Residential Sector

## New Lighting measures – Effective Immediately

**Change – New Measure:** Linear Fluorescent T-8 fixtures – Retail.

**Rationale:** BPA has created BPA Qualified measures in response to utility request. These measures will be reviewed by the RTF and updated with the RTF guidelines in Fall 2015.

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**Change – New Measure:** LED fixtures – Retail.

**Rationale:** BPA has created BPA Qualified measures in response to utility request. These measures will be reviewed by the RTF and updated with the RTF guidelines in Fall 2015.



# Residential Sector

## New Appliance Measures - Effective Immediately

Change – **New Measure:** ENERGY STAR® Clothes Dryers

Rationale: These measures are now available..

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Change – **New Measure:** Heat Pump Water Heaters for Manufactured Homes.

Rationale: These measures are now available.



# Residential Sector

## HPWH updates - Effective Immediately

**Change:** BPA has removed the language requiring ducting for Tier 2 HPWH installed in conditioned space.

**Rationale:** The RTF recently reviewed savings assumptions associated with ducting HPWH's. There was no savings benefit from ducting Tier 2 HPWH.

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**Correction:** BPA will maintain and post a BPA HPWH Qualified Product List separately from NEEA's Smart Water Heat QPL.

**Rationale:** At the request of BPA utilities, BPA will maintain a HPWH qualified product list that is aligned with the BPA Measure List and BPA Requirements and Specifications.



# Residential Sector

## Clarifications in Ducted HVAC section

**Clarification:** The Ducted HVAC section has been re-organized into subcategories of Heat Pumps and Duct Sealing.

**Rationale:** Heat Pump technology opportunities are expanding

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**Clarification:** Ground Source Heat Pumps may be claimed in combination with the Montana House, per the RTF.

**Clarification:** The Ground Source Heat Pump requirement for PTCS and IGSHPA certification may be met by two certified technicians present at the installation.





# Residential Sector

## Other clarifications

**Clarification:** The Requirements and Specifications for Line Voltage Thermostats have to be updated to clarify that the measure is a whole house measure and that the savings assumes 3+ TStats per home.

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**Correction:** The Montana House section was been amended to include Variable Speed Heat Pumps, Ground Source Heat Pumps and PTCS Duct Sealing as eligible measures and to correct errors in the payments for Air Source Heat Pumps, Commissioning, Controls & Sizing.

**Rationale:** The RTF allows the Montana House measures to be used in combination with these HVAC options.



# Residential Sector

## Additional flexibility - Effective Immediately

**Clarification:** The definition of Single Family (residential) has been updated to include Townhouses.

**Rationale:** Homes that meet the BPA definition of Townhouses (see the Definitions Section: Townhouses) are considered Single Family based on their energy modeling and consumption.

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**Change – New Measures:** Single family insulation, windows, and whole-house air sealing measures are expanded to include heating system specific measures.

**Rationale:** These measures are now available to customers (optional) in addition to average heating system measures for customers who wish to report savings by HVAC system.

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# Residential Sector

## New Window measures - Effective Immediately

**Change – New Measures:** Measures for U-factor 0.22 windows for multifamily buildings were added to the measure list

**Rationale:** These measures are now available to customers

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**Change – New Measures:** Measures for U-factor 0.22 windows for multifamily buildings were added to the list of available low income weatherization measures

**Rationale:** These measures are now available to customers



# Residential Sector

## Clarification (minimize duplication)

**Clarification:** All Low Income Weatherization and HVAC measures must follow the Specification, Requirements and Documentation requirements as listed under Residential Weatherization (Standard Income) and HVAC sections.

**Clarification:** Clarification based on customer feedback.

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# Residential Sector

## Effective Immediately - Custom Projects/Custom Programs

**Change:** Effective October 1, 2015 a new category for New Construction was added to the Custom Project Payment Rate Chart (4.1) with a Measure Life of 45+ years for the Residential Sector with a payment rate of .045 per kWh.

**Rationale:** This payment rate for Residential New Construction is now available.

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**Correction:** Effective October 1, 2015 a new category for New Construction was added to the Custom Program Payment Rate Chart (5.1) with a Measure Life of 45+ years for the Residential Sector with a payment rate of .045 per kWh.

**Rationale:** This payment rate for Residential New Construction is now available.



# Industrial Sector

## Presenter: Steve Brooks



# Industrial Sector

## Effective Immediately

**Correction:** Removed the word “Pilot” from the Energy Smart Industrial (ESI) Program’s Energy Management section - “Energy Management (Optional ESI Component)”

**Rationale:** To align with the ESI Program Implementation Solicitation, this program component would no longer be viewed as a pilot.

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**Correction:** Corrected the Energy Project Manager text to sync with the April 15, 2015 IM notification about Track and Tune Projects and High Performance Energy Management now being called SEM Projects.

**Rationale:** Updating to match the SEM Projects notification in the April 2015 IM.



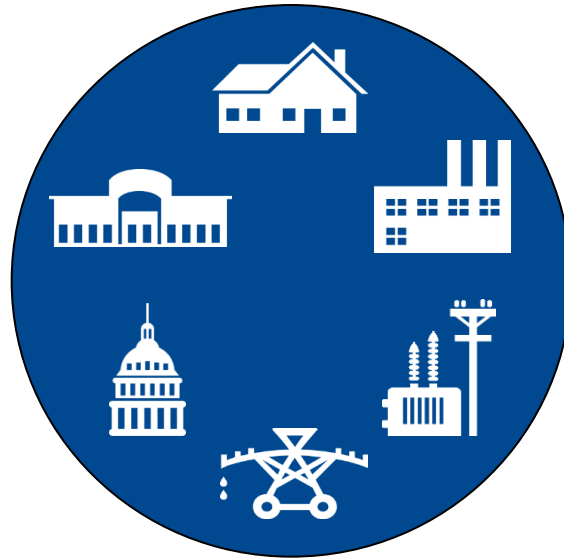
# Industrial Sector

## Effective Immediately

**Correction:** Clarified the Limited Availability Small Industrial Strategic Energy Management (Optional Energy Management Component) text to read, “BPA may offer a limited availability Small Industrial Strategic Energy Management (SI SEM) that is designed to help small industrial sites generate electrical energy savings through...”

**Rationale:** Optional program offering at BPA’s discretion





# Multi Sector Presenter:

# Multi-Sector

## Effective Immediately

**Clarification:** Generator Block Heaters

**Rationale:** The name was changed to clarify the measure.

**Change – New Measure:** Vehicle Block Heater Controls

**Rationale:** These measures are now available to customers

**Clarification:** Revised the Documentation Requirements for Variable Frequency Drives in Small Compressed Air Systems.

**Rationale:** Added clarifying language to the Documentation Description column.