

April 2023 Implementation Manual Changes

March 16, 2023



Welcome

Corinne Mauck, Implementation Manual Coordinator

Universal Changes

- BPA will offer promotional incentive rates for certain measures effective April 1st. Utilities may claim the new incentive rates for measures with completion dates on or after April 1st. These increased incentive rates will be made permanent effective October 1st.
- BPA will replace the terms “retire” and “retirement” with “expire” and “expiration” in the 2024-2025 Rate Period Implementation Manual.

Changes made to non-Sector Chapters

- 4.0 Custom Projects
 - 4.1 Custom Project Payment Rates BPA will increase willingness to pay for custom projects and simplify the payment levels. The custom project payment rates will be updated to increase the rates for projects with a 4-19 and 20+ year measure life, and standardize the incentives for new construction and retrofits.
- Appendices
 - Appendix D – April 1, 2023 IM Change Notice
 - Appendix E – 24-25 Rate Period Advance Change Notice (Effective October 1, 2023)

Savings Changes

Erik Boyer, Mechanical Engineer
EE Engineering Services

Savings Changes

Changes made throughout the Implementation Manual:

- Effective October 1, 2023, BPA will update the busbar savings values for UES measures (as reflected in the current BPA UES Measure List) and site-to-busbar saving factors for site-specific calculators will change from 1.09056 to 1.11183, with the exception of all current versions of the BPA lighting calculator which will change from 1.07478 to 1.10816.

Agricultural Changes

David J. Lee, Agricultural Sector Lead

Program Requirement Change

Effective October 1, 2023, BPA will change the following requirements for section 7.9 - Other Agricultural Measures:

- Requirement effective until September 30, 2023:
 - d. Nursery and greenhouse project improvements in irrigation, air handling, temperature, and humidity controls for facilities using less than 1 aMW. Please note: If usage is above 1 aMW, projects at the facility are considered Industrial.
- Requirement effective on October 1, 2023:
 - d. Nursery and greenhouse facilities with project improvements in irrigation, air handling, temperature, and humidity controls.

Measure Changes – Measure Expirations

BPA will expire thermostatically controlled stock tank de-icers, effective September 30, 2023.

- RTF expired the measure
- Low measure uptake

Measure Changes – Energy Savings

As a result of changes made by the Regional Technical Forum, BPA will update the following measure energy savings, effective October 1, 2023:

- 7.6.1 – Irrigation System Conversions: LESA/LEPA/MDI
- 7.6.2 – Sprinkler Package Replacements
- 7.6.3 – Irrigation System Conversions: High Pressure to Low Pressure

Measure Changes – Energy Savings

IMPLEMENTATION MANUAL SECTION AND MEASURE TITLE	Current kWh Savings	October 2023 kWh Savings
7.6.1 Irrigation System Conversions: High pressure to LESA/LEPA/MDI	57.71	61.71
7.6.1 Irrigation System Conversions: MESA to LESA/LEPA/MDI	36.33	37.03
7.6.2 Sprinkler Package Replacements – High-Pressure	63.82	65.86
7.6.2 Sprinkler Package Replacements – MESA	31.91	32.93
7.6.2 Sprinkler Package Replacements – LESA/LEPA/MDI	15.96	16.46
7.6.3 Irrigation System Conversions: High Pressure to Low Pressure – Center-Pivot or Linear-Move	51.83	58.63
7.6.3 Irrigation System Conversions: High Pressure to Low Pressure – Wheel-line or Hand-Line	50.26	58.63

Measure Changes – Promotional Incentives

Utilities have the option of claiming the standard payment or the promotional payment until October 1.

BPA will make these incentives permanent on October 1, 2023 due to Regional Technical Forum changes and to align with current marketplace costs.

- 7.6.1 – Irrigation System Conversions: LESA/LEPA/MDI
- 7.6.2 – Sprinkler Package Replacements
- 7.6.3 – Irrigation System Conversions: High Pressure to Low Pressure
- 7.7.1 – Irrigation Pump Testing and Systems Analysis (BPA-Qualified)
- 7.7.2 – VFDs for Ag Centrifugal Pumps (BPA-Qualified)
- 7.7.3 – VFDs in Ag Turbine Pump Applications (BPA-Qualified)
- 7.7.4 – VFDs for New Ag Pump Installations (BPA-Qualified)
- 7.7.5 – Ag New Pump Efficiency Upgrade (BPA-Qualified)

Incentive Values – Irrigation Measures

IMPLEMENTATION MANUAL SECTION AND MEASURE TITLE	CURRENT	PROMOTIONAL & 10/1 PERMANENT
7.6.1 Irrigation System Conversions: High Pressure to LESA/LEPA/MDI	\$14	\$18
7.6.1 Irrigation System Conversions: MESA to LESA/LEPA/MDI	\$14	\$18
7.6.2 Sprinkler Package Replacements – High-Pressure	\$14	\$16
7.6.2 Sprinkler Package Replacements - MESA	\$10	\$15
7.6.2 Sprinkler Package Replacements - LESA/LEPA/MDI	\$4	\$7
7.6.3 Irrigation System Conversions: High to Low Pressure – Center-pivot or Lateral-move	\$12	\$18
7.6.3 Irrigation System Conversions: High to Low Pressure-Wheel-line or Hand-line	\$12	\$16

Incentive Values –Pumps and VFDs

IMPLEMENTATION MANUAL SECTION AND MEASURE TITLE	CURRENT	PROMOTIONAL & 10/1 PERMANENT
7.7.1 Irrigation Pump Testing And System Analysis (BPA-Qualified)		
Pump Testing Service Simple System Evaluation	\$50	\$100
Pump Testing Service Irrigation Pump Test Simple System or Open Discharge	\$100	\$200
Pump Testing Service Irrigation Pump Test System Analysis 400 acres or less	\$200	\$400
Pump Testing Service Irrigation Pump Test System Analysis Over 400 acres	\$300	\$600
Pump Testing Service Irrigation Pump Test (main pump) Complex System Over 400 acres	\$200	\$400
Pump Testing Service Irrigation Pump Test (booster pump) Complex System Over 400 acres	\$50	\$100

Incentive Values – Pumps and VFDs cont.

IMPLEMENTATION MANUAL SECTION AND MEASURE TITLE	CURRENT	PROMOTIONAL & 10/1 PERMANENT
7.7.2 VFDs for Ag Centrifugal Pumps (BPA-Qualified)	\$50	\$70
7.7.3 VFDs in Ag Turbine Pump Applications (BPA-Qualified)	\$80	\$100
7.7.4 VFDs for New Ag Pump Installations (BPA-Qualified) – New Turbine Pump	\$80	\$100
7.7.4 VFDs for New Ag Pump Installations (BPA-Qualified) – New Centrifugal Pump	\$50	\$70
7.7.5 Ag New Pump Efficiency Upgrade (BPA-Qualified)	\$50	\$70

Upcoming New Measures

Effective October 1, 2023, BPA will offer the following measures, IM section TBD:

- Agricultural Energy Audits

Questions?

Commercial Changes

Eric Mullendore, Commercial & Industrial Sector Lead

Measure Requirement Correction

8.4.1 Advanced Rooftop Unit Control (ARC) added clarification to the documentation descriptions to specify the ARC manufacturer and ARC model, effective April 1, 2023:

DOCUMENTATION DESCRIPTION	RETENTION/SUBMITTAL LOCATIONS	
	BPA ENERGY EFFICIENCY TRACKING SYSTEM	CUSTOMER FILE
End-user identifying information including unique site ID and address.	X	X
Equipment or contractor invoice showing: 1. Equipment order or purchase date 2. Installed cost		X
ARC manufacturer, ARC model, installed cost	X	

8.3 Nonresidential Lighting

Effective October 1, 2023, BPA will renumber and create section 8.3.1 Lighting Calculator Versions.

- BPA will create a new Nonresidential Lighting Calculator 6.0.
- BPA will update the Nonresidential Lighting Calculator Effective Date/Retirement* Date (table)

LIGHTING CALCULATOR SERIES NAME	CALCULATOR VERSION	EFFECTIVE DATE	LIGHTING CALCULATOR RETIREMENT* DATE
LIGHTING CALCULATOR SERIES 5	LC 5.1	October 1, 2020	March 31, 2024
LIGHTING CALCULATOR SERIES 6	LC 6.0	October 1, 2023	TBD

* BPA will replace the terms “retire” and “retirement” with “expire” and “expiration” in the 2024-2025 Rate Period Implementation Manual.

Measure Changes

BPA will update the following measures, effective October 1, 2023:

- **Savings and Incentive Values**
 - 8.5.1 Commercial Insulation
 - 8.8.4 Commercial Heat Pump Water Heaters – Tier 3
- **Savings Values**
 - 8.4.3 Ductless Heat Pump Retrofit and Upgrade (BPA-Qualified)
 - 8.5.2 Commercial Windows (BPA-Qualified)
- **Incentive Values**
 - 8.4.1 Advanced Rooftop Unit Controls

Upcoming Measure Expirations

These measures **will expire** on September 30, 2023:

- 8.4.4 Air-Source Heat Pump Retrofit and Upgrade –updates to configurations, etc.
- 8.7.2 Electric Commercial Steam Cookers – minimal market uptake
- 8.7.3 Hot Food Holding Cabinets – minimal market uptake
- 8.7.4 Electric Combination Ovens – minimal market uptake
- 8.7.5 Electric Convection Ovens – minimal market uptake
- 8.7.6 Pre-Rinse Spray Valves – RTF expired this measure
- 8.8.2 Smart Power Strips – RTF expired this measure
- 8.8.5 ENERGY STAR Commercial Clothes Washers – minimal market uptake
- 8.8.4 Commercial Heat Pump Water Heaters – Tier 1 and Tier 2 (only)

Upcoming New Measures (Oct 1.)

- Midstream (Nonresidential) Lighting
- Air-Source Heat Pump Retrofit and Upgrade*
- Heat Recovery Ventilation
- Refrigeration Floating Pressure Controls
- Refrigerated Display Case Door Retrofits
- Secondary Glazing Systems
- Commercial Unitary Heat Pump Water Heater
- Consumer Heat Pump Water Heaters in Commercial Applications - Tier 4
- Efficient Pumps
- Variable Speed Pumps
- Multiyear Strategic Energy Management**

* Replaces the expired measure with the same name

** Listed in Industrial Sector section

Promotional Payment Rates (Apr 1.)

Customers may invoice BPA for either the standard or promotional payment rate, as shown below:

IMPLEMENTATION MANUAL SECTION AND MEASURE TITLE	CURRENT	PROMOTIONAL & 10/1 PERMANENT
8.4.1 Advanced Rooftop Unit Controls, Retrofit - Lite	\$100	\$120
8.4.1 Advanced Rooftop Unit Controls, Retrofit - Full	\$200	\$250
8.5.1 Commercial Insulation, Attic/Roof, \leq R-5 to R-19, Heating Zones 1 / 2 / 3	\$1.35 / \$1.75 / \$2.00	\$1.75 / \$2.00 / \$2.50
8.5.1 Commercial Insulation, Attic/Roof, \leq R-5 to R-30, Heating Zones 1 / 2 / 3	\$1.40 / \$1.85 / \$2.05	\$1.80 / \$2.10 / \$2.60
8.5.1 Commercial Insulation, Attic/Roof, \leq R-5 to R-49, Heating Zones 1 / 2 / 3	\$1.50 / \$1.95 / \$2.10	\$1.90 / \$2.20 / \$2.80
8.5.1 Commercial Insulation, Wall, \leq R-5 to R-11, Heating Zones 1 / 2 / 3	\$0.75 / \$1.00 / \$1.15	\$0.80 / \$1.10 / \$1.20
8.5.1 Commercial Insulation, Wall, \leq R-5 to R-19, Heating Zones 1 / 2 / 3	\$1.00 / \$1.25 / \$1.40	\$1.10 / \$1.40 / \$1.50
8.8.4 Commercial Heat Pump Water Heaters, Tier 3	\$600	\$800
8.8.4 Commercial Heat Pump Water Heaters, Split-System	\$800	\$1,000

Questions?

Industrial Changes

Eric Mullendore, Commercial and Industrial Sector Lead

Measure Corrections

10.1 Payment Summary (table)

Adding 10.9 Green Motors Rewind Initiative to the *Other Industrial Measures* portion of the table, effective April 1, 2023.

10.1 PAYMENT SUMMARY	
PROGRAM COMPONENT OR MEASURE	PAYMENT
Other Industrial Measures	
10.9 Green Motors Rewind Initiative	Direct acquisition, BPA-funded program.

Upcoming Measure Changes

10.3.2 Strategic Energy Management measure *enrollment* opportunity will **close September 30, 2023.**

- Based upon results from BPA's recent SEM evaluation, the SEM measure life will be *increasing* from one (1) year to eight (8) years on October 1, 2023.

Upcoming Measure Changes

10.5 Small Compressed Air Systems, effective October 1, 2023:

- Increasing the horsepower threshold from 75hp to 150hp.
 - Based upon the BPA Option 1 Custom Projects Impact Evaluation results.
- Changing the Requirements and Specifications section to increase the types of eligible (retrofit or upgrade) projects.
 - New Compressor (Rotary screw, oil-flooded or part of a single compressor system)
 - Permanent demand reduction (excludes leaks)
 - Permanent pressure reduction
 - New receiver (minimum volume of 3 gallons/scfm)
 - New efficient air dryer (Refrigerated cycling or dessicant dryer that is heat or blower purged)
- A new Northwest Regional Compressed Air Tool (NWRCAT) calculator will be created that includes the changes listed above.

Upcoming Expirations

These measures **will expire** on September 30, 2023:

- 10.6 High Frequency Battery Charger Upgrade (BPA-Qualified) – Not cost-effective
- 10.7 Welder Upgrade (BPA-Qualified) – Not cost-effective

The Northwest Regional Compressed Air Tool (NWRCAT) Calculator, Version 4.1, **will expire** on September 30, 2023.

Upcoming New Measures

- Multiyear Strategic Energy Management – longer measure life, higher incentives, and a restructured approach to account for incremental savings
- Efficient Pumps*
- Variable Speed Pumps*

*Listed in the Commercial Sector section

Questions?

Residential Sector Changes

Jonathon Belmont
Residential Sector Lead

Residential Portfolio - Overview

- Measures and the Measure Suite
- Simplification of requirements when possible
- Strategic focus
 - HVAC
 - Heat Pump Water Heaters
 - Behavioral Home Energy Reports
- Additional considerations
 - Low Income Programs
 - Customer Needs
 - Cost Effectiveness

Requirements Changes

Measure Name	Removal of Requirements
Ductless Heat Pump Conversions	HSPF / HSPF2
Air-Source Heat Pump Conversions	HSPF / SEER HSPF2 / SEER2
Variable-Speed Heat Pump Conversion	HSPF / SEER <i>(Retain HSPF2/SEER2 Requirement)</i>
Centrally Ducted Air Conditioners	SEER <i>(Retain SEER2 Requirement)</i>
Measure Name	Change in Requirements
New Construction Performance Path	Extending sunset date from September 30, 2023 to September 30, 2024

Measure Expirations

Measure Expirations on September 30, 2023	
All Standard Income Lighting (LEDs and TLEDs)	All PTCS Measures
Advanced Power Strips	DHP & Non-Variable Speed ASHP Upgrades
All Energy Saver Kits	Advanced Smart Thermostat (plans to replace Oct. 1, 2023)
Water Heater Pipe Insulation	Montana House
Tier 1 & Tier 2 Unitary HP Water Heaters	Weatherization Measures with HVAC-Specific Heating Types

Promotional Incentives

IMPLEMENTATION MANUAL SECTION AND MEASURE TITLE		CURRENT	PROMOTIONAL & 10/1 PERMANENT
11.6.2	Unitary HPWH 40gal	\$600	\$700
11.11	Unitary HPWH 40gal – Low-Income Cost Cap Increase	\$1,850	\$2,050
11.6.3	Unitary HPWH Tier 3	\$600	\$800
11.11	Unitary HPWH Tier 3 – Low-Income Cost Cap Increase	\$2,000	\$2,200
11.6.3	Unitary HPWH Tier 4	\$700	\$900
11.11	Unitary HPWH Tier 4 – Low-Income Cost Cap Increase	\$2,000	\$2,200
11.6.4	Split System HPWH	\$800	\$1,100
11.7.5	Air-Source Heat Pump Conversion from Electric Forced-Air Furnace to Air-Source Heat Pump (without PTCS)	\$800	\$1,000
11.7.6	Air-Source Heat Pump Conversion from Electric Forced-Air Furnace to Variable-Speed Air-Source Heat Pump (without PTCS)	\$1,000	\$1,200
11.7.8	Variable-Speed Heat Pump Upgrade	\$150	\$200

Savings & Incentives Changes

Savings Changes	Incentive Changes
Heat Pump Water Heaters ↓↑	Heat Pump Water Heaters ↑
Advanced Smart Thermostat* ↓↑	Advanced Smart Thermostat* ↓↑
Communicating LV Thermostats ↓	Low-Income Ductless Heat Pumps ↑
Prescriptive Duct Sealing ↓↑	Low-Income Heat Pump Water Heaters ↑
	Low-Income Prime Windows ↑
	Ducted Variable Speed & Non-Variable Speed Air-Source Heat Pumps ↑

**current version of measure expiring and new version will have change in savings and incentives*

Questions?

Consumer Products

Dave Murphy and Michelle Kelly
Programs

11.2 to 11.5 Residential Consumer Products

BPA will expire the following residential consumer products, on September 30, 2023:

- Residential standard income lighting for LED lamps and TLED lamps
- Advanced Power Strips
 - RTF sunset
 - Not cost-effective
 - Low installation rate outside of kits
- Energy Saver Kits
 - No longer cost-effective

BPA will maintain EV Chargers, Clothes Washers, and Clothes Dryers at the current savings and incentive amounts.

Questions?

Heat Pump Water Heaters

Dave Murphy, Program Manager

11.6 Electric Water Heating Measures

- BPA will expire Pipe Insulation and Tier 1 & Tier 2 Unitary HPWHs, effective September 30, 2023.
 - Pipe Insulation: Low installation
 - Tier 1 & Tier 2 Unitary HPWHs: No longer represented in the market
- BPA will provide promotional incentives on April 1, 2023 for specific HPWH measures to promote spending of EEI and utility measure uptake.
- Savings for Unitary HPWHs Tier 3 and 4 units will change. Some will increase and some will decrease.

Questions?

Residential HVAC

Michelle Kelly, Program Support Specialist

11.7.2 to 11.7.2.5 PTCS Program HVAC Measures

- The PTCS program will conclude on September 30, 2023.
- BPA will remove the PTCS program and all associated PTCS measures:
 - PTCS Air Source Heat Pumps
 - PTCS Variable Speed Heat Pumps
 - PTCS Ground Source Heat Pumps
 - PTCS Duct Sealing
- BPA will focus on existing HVAC measures without PTCS.

11.7.1.1 & 11.7.1.2

Ductless and Ducted Mini-Split Heat Pumps

- **Ductless Heat Pump Conversions:** Effective September 30, 2023, BPA will no longer require utilities to specify the HSPF or HSPF2 values for DHP installations. BPA program will require that units meet the federal minimum HSPF2.
 - Will reduce administrative burden
 - AHRI certificate and make and model number will still be required
 - Incentive values and savings will stay the same.
- **Ductless Heat Pump Upgrades:**
 - Effective September 30, 2023, the upgrade option for DHP will be expired.

11.7.5 & 11.7.7 Air Source Heat Pumps

- **EFAF to ASHP Conversion:**

- Effective October 1, 2023, BPA will no longer require utilities to report specific HSPF/SEER or HSPF2/SEER2 values for Air-Source Heat Pump Conversions from an Electric Forced-Air Furnace to a Ducted Air-Source Heat Pump.
 - BPA program will require that units meet the federal minimum
 - AHRI certificate will still be required in customer file
- Incentive values will increase for the Heat Pump Conversion measures. Savings will stay the same.

- **ASHP to ASHP Upgrade:**

- Effective September 30, 2023, the upgrade option for this Air-Source Heat Pump to Air-Source Heat Pump upgrade will be expired.

11.7.6 & 11.7.8 Variable-Speed Heat Pumps

- **EFAF to VSHP Conversion:**
 - Effective October 1, 2023, BPA will continue to require HSPF2/SEER2 values to be collected for conversions from a Ducted Air-Source Heat Pump to a Variable-Speed Heat Pump. The HSPF/SEER will not be required.
 - BPA requires information to understand specific increases in efficiency for conversions
 - AHRI certificate will still be required in customer file
- Incentive values will increase for both the Variable-Speed Heat Pump Conversion (11.7.6) and Upgrade (11.7.8) measures. Savings will stay the same.

11.7.9 Centrally Ducted Air Conditioners

- Effective October 1, 2023, BPA will continue to require SEER2 values to be collected for Centrally Ducted Air Conditioners. The SEER will not be required.
 - AHRI certificate and system details will still be required

11.7.3 Prescriptive Duct Sealing

- Effective October 1, 2023: BPA will update the savings for prescriptive duct sealing.
 - Manufactured Homes: Savings increase
 - Single-Family Homes: Savings increase and decrease
- RTF removed heating zone requirements for savings. One line for “all heating zones.”
 - BPA will update Reference Numbers to incorporate this new savings information

11.8 Thermostats

- Line Voltage and Communicating Line Voltage Thermostats
 - Savings decreasing for communicating, savings staying the same for line voltage
 - No change in incentives
- BPA will expire the existing Advanced Smart Thermostat measure on September 30, 2023
- BPA will provide a new version of the measure on October 1, 2023
 - BPA working to update thermostat product requirements to include units that have occupancy sensors built in and ones that have them in the box. This will expand the QPL for Advanced Smart Thermostats.
 - BPA will update savings and incentive values for the different types of thermostats.

Questions?

Residential New Construction

Dave Murphy, Program Manager

11.9.3 to 11.9.4 New Construction

- BPA will extend the program expiration date for Single-Family New Construction Performance Path from September 30, 2023 to September 30, 2024.
- BPA will expire Montana House on September 30, 2023.

Questions?

Weatherization

Amy Burke, Program Manager

11.10 Weatherization

- BPA will expire all HVAC-Specific Weatherization measure options.
 - All weatherization "Any Electric" measures will remain with no changes to savings or incentives.
- For Existing Multifamily Mid/High-Rise buildings, BPA will repurpose the HVAC-Specific measure options to reflect an Any Electric heating type for three measures:
 - Wall Insulation
 - Roof Insulation
 - Prime Windows and Patio Doors

11.10 Weatherization

- New measure will be available for Door Sweeps effective October 1, 2023. Savings and incentives to be determined.
- Clarification will be added that Prime Windows can include qualifying windows on the roof (e.g., skylights).

Questions?

Residential Low-Income

Amy Burke, Program Manager

11.11 Low-Income Measures

- BPA will expire the following Low-Income measures:
 - PTCS Air-Source Heat Pump Conversions
 - PTCS Duct Sealing
 - PTCS Air-Source Heat Pump Upgrades
 - Heat Pump Water Heaters Tier 1 & Tier 2
 - Ductless Heat Pump Upgrades
- BPA will expire all Low-Income HVAC-Specific Weatherization measure options.
 - All low-income weatherization "Any Electric" measures options will remain with no changes to savings or incentives.
- For Low-Income Existing Multifamily Mid/High-Rise buildings, BPA will repurpose the HVAC-Specific measure options to reflect an "Any Electric" heating type for three measures:
 - Wall Insulation
 - Prime Windows and Patio Doors
 - Roof Insulation

11.11 Low-Income Measures

- Payment cost caps will increase for Low-Income Ductless Heat Pump Conversions, High-Efficiency Prime Windows, and Tier 3, 4, and 40-Gallon Heat Pump Water Heaters.
- New measures available October 1, 2023 (savings and applicable payment cost caps to be determined):
 - Low-Income Door Sweeps
 - Low-Income Ducted Air-Source Heat Pump Conversions (no required PTCS commissioning)
 - Low-Income Ducted Variable-Speed Heat Pump Conversions & Upgrades (no required PTCS commissioning)
- Low-Income Prescriptive Duct Sealing: Savings changes and will be updated to reflect “All Heating Zones”.

11.11 Low-Income Measures

- Effective October 2023, utilities will be able to accept a **signed** self-attestation of income from low-income program applicants.
 - Further guidance will be provided from BPA on this new policy.
 - Future webinar planned for utilities to discuss implementation of this new policy.
 - Reflecting a growing trend in Low-Income Programs to streamline the income qualification process and accept self-attestation of income.

11.11 Low-Income Measures

- New Low-Income measures will be noticed for October 1, 2023.
- Reviewing all existing and expiring residential measures to see if there is an opportunity for a low-income offering.
- Stay tuned and keep us informed if you have a need for specific low-income measures.

Questions?

Behavioral Home Energy Reports

Michelle Kelly, Program Support Specialist

11.12.1 Behavioral Home Energy Reports

- BPA is working to expand the measure delivery channel options to include digital home energy reports, effective October 1, 2023
 - BPA will conduct research to inform savings and incentive values for the digital home energy reports
 - BPA will keep the paper reports delivery channel

Questions?

Definitions Updates

Mike Gross, Marketing Lead

Definitions Changes

- Effective October 1, 2023, BPA will update the *Busbar Energy Savings* definition, as shown below:

“Energy that did not have to be produced at the generator (e.g., the site energy savings, plus any transmission and distribution losses that would have occurred had the energy been generated). The site and busbar relationship depends upon the particular measure being implemented and its associated load shape. For UES measures, the site-to-busbar savings factor varies by measure **and is reflected in the current BPA UES Measures List**. For site-specific calculators, site-to-busbar savings factor currently in use is **1.11183*** with the exception of all current versions of the BPA lighting calculator (see 8.3 Nonresidential Lighting) which use **1.10816.**** BPA provides payment for energy savings calculated from the busbar.”

**from 1.09056*

***from 1.07478*

Thank you for your time

<https://www.bpa.gov/energy-and-services/efficiency/implementation-manual>

