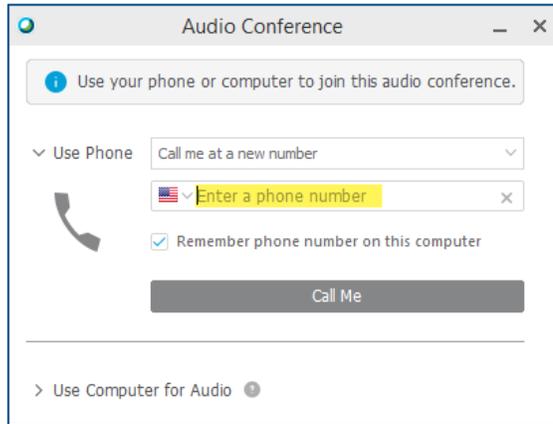


# Welcome to Webex Training!

Note: **Your audio is muted on entry.**

## First choice:

Use **Call Me** to have the system call you. Enter **your** phone number and click the Call Me button.



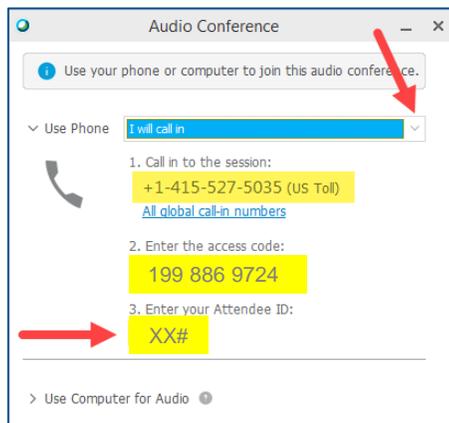
The screenshot shows the 'Audio Conference' window with the following elements:

- Header: Audio Conference
- Instruction: Use your phone or computer to join this audio conference.
- Section: Use Phone
- Dropdown: Call me at a new number
- Input: Enter a phone number (with a country code dropdown set to US)
- Checkbox: Remember phone number on this computer (checked)
- Button: Call Me
- Footer: > Use Computer for Audio

**Note:** Some mobile phones see the Webex call as spam and send it to voice mail. If that happens, try the second choice.

## Second choice:

Click the dropdown arrow to select **I will call in**. Call the number on your screen and connect using your access code and Attendee ID.



The screenshot shows the 'Audio Conference' window with the following elements:

- Header: Audio Conference
- Instruction: Use your phone or computer to join this audio conference.
- Section: Use Phone
- Dropdown: I will call in (highlighted with a red arrow)
- List of steps:
  1. Call in to the session:  
+1-415-527-5035 (US Toll)  
[All global call-in numbers](#)
  2. Enter the access code:  
199 886 9724
  3. Enter your Attendee ID:  
XX#
- Footer: > Use Computer for Audio

## Last choice:

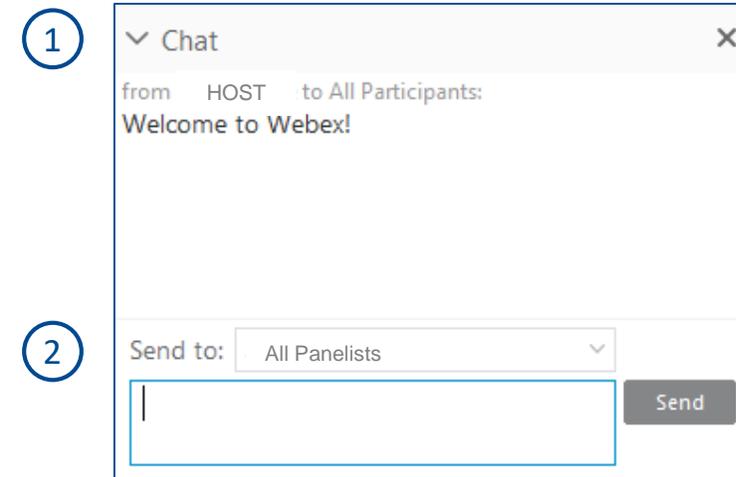
**Use Computer for Audio.** Connect a headset to your computer for best results.

Session number: 199 886 9724  
Session password: Ajrpi2PmM88

# Communication Tools

## Chat panel

Find the chat panel on the right side of your screen below the feedback bar.



The screenshot shows the Chat panel with the following elements:

- Header: Chat
- Message: from HOST to All Participants: Welcome to Webex!
- Dropdown: Send to: All Panelists
- Input: (empty text box)
- Button: Send

1. If you only see the Chat title, expand the chat panel by clicking the > to the left of Chat
2. Use the pull down to choose who will see your chat. **Note:** "All Panelists" recommended.

# October 2020 Implementation Manual Changes



# Agenda

**General changes**

**Agricultural changes**

**Commercial changes**

**Industrial changes**

**Residential changes**

**Utility Distribution changes**

# General IM Changes

Corinne Mauck, IM Coordinator

# Changes made to non-Sector Chapters

- 0.0 Definitions:
  - Added new acronym definition for (Commercial) PTHP – Packaged Terminal Heat Pump.
- 2.0 BPA Funding (1 year notice)
  - Section 2.1.3 Performance Payments – Effective October 1, 2021, customers may only request a performance payment equal to or below the amount of the measure payment.

# Changes made to non-Sector Chapters (cont'd)

- 3.3 Oversight and Evaluation Review Process (correction in red)
  - First sentence, adjust language to accurately reflect BPA oversight practices as follows:
    - As a part of the oversight review process, BPA ~~shall~~ **reserves the right to** (1) perform end-user site and record reviews, and (2) conduct impact and process evaluations.
- 4.0 Custom Projects (one-year notice)
  - 4.2.1 Progress Payments – BPA will retire Progress Payments starting with BPA Rate Period 2022-2023. Effective October 1, 2021, section 4.2.1 Progress Payments and the Progress Payment calculator will be retired.

# Good to Know

- 2.0 BPA Funding (reminder)
  - Section 2.1.3 Performance Payments – Effective July 1, 2020, BPA is increasing the rates for the remainder of the 2020-2021 Rate Period.

SRR STATUS	DEFINITIONS	PAYMENT RATE \$/KWH (Effective Oct. 1, 2019 through June 30, 2020)	PAYMENT RATE \$/KWH (Effective July 1, 2020 through Sept. 30, 2021)
Small	The customer’s forecast net requirement is less than 10 aMW	\$0.08	\$0.10
Rural	The customer has fewer than 10 customers per line mile according to the Low-Density Discount calculation	\$0.08	\$0.10
Residential	The customer’s load is greater than 66% residential, according to U.S. Energy Information Administration data	\$0.08	\$0.10
Non-SRR	The customer is not small, rural or residential	\$0.04	\$0.05

Questions?

# Agricultural Changes

David J. Lee, Sector Lead

## 6.2 Freeze-resistant Stock Tank/ Water Fountain

- Removed the material requirement since it was not needed and confusing.
- “Enclosed, fully foam or dead-air-space insulated, with the opening completely sealed in impact-resistant polyurethane.”

## 6.7.2 Variable Frequency Drives in Centrifugal Ag Pumps

- Documentation requirements for this measure indicate that pump performance curves are required for EE docs and customer file.
- Pump performance curves **are not** required for EE docs and the customer file.

## 6.7.3 Variable Frequency Drives in Ag Turbine Pump Applications

- Documentation requirements for this measure indicate that pump performance curves are required for EE docs and customer file.
- Pump performance curves **are not** required for EE docs and the customer file.

## 6.7.4 Variable Frequency Drives For New Ag Pump Applications

- Documentation requirements for this measure indicate that pump performance curves are required for EE docs and customer file.
- Pump performance curves **are not** required for EE docs and the customer file.

Questions?

# Commercial Changes

Ryan LeBaron, Program Manager

## 13.2.2.1 (Commercial) Packaged Terminal Heat Pumps

- Packaged Terminal Air Conditioners (PTACs) are essentially air-conditioners that have an electric resistance heating element to provide forced-air heating during colder months.
- Packaged Terminal Heat Pumps (PTHPs) are similar to PTACs in all aspects, with the exception that they have a reversing valve to utilize refrigerant during colder periods to provide heating via a heat pump.
- PTHPs are installed through an exterior wall, and typically have some ventilation airflow from the outside space.

## 13.2.2.1 (Commercial) Packaged Terminal Heat Pumps

- Replaces existing PTAC or zonal electric-resistance heat.
- Eligible in Lodging and Residential Care building types.

MEASURE CATEGORY	PAYMENT
Packaged Terminal Heat Pump Retrofit	\$600 per PTHP
Packaged Terminal Heat Pump New Construction	\$100 per PTHP

## 13.2.2.2 Commercial Heat Pump Water Heaters

- Same QPL and incentive structure as Residential Heat Pump Water Heater (HPWH) measures.
- Residential HPWH measures still available for Commercial sector installations until September 30, 2021.
  - However, BPA recommends utilities use the Commercial HPWH measure for all commercial applications.

MEASURE CATEGORY	PAYMENT
Unitary Heat Pump Water Heater Tier 1 – Any size tank	\$300 per HPWH
Unitary Heat Pump Water Heater Tier 2 – Any size tank	\$600 per HPWH
Unitary Heat Pump Water Heater Tier 3 – Any size tank	\$600 per HPWH
Split-System Heat Pump Water Heater – Any size tank	\$800 per HPWH

# Good to Know

- Commercial promotional incentive rates effective July 1, 2020.
  - See section 13.3 for details.
- Lighting Calculator 5.1 planned release date of October 1, 2020.

Questions?

# Industrial Changes

Eric Mullendore, Program Manager

## 9.2.1 Energy Project Manager

- Effective October 1, 2021, the current Energy Project Manager offering will be retired (one-year notice).
- BPA will release a new Energy Project Manager measure at that time.
  - The new measure is anticipated to be applicable to both Industrial and Commercial sectors.
  - BPA will retire the EPM calculator.
  - Some documentation requirements will be removed.
  - BPA has developed draft IM language for review.

# 9.3 VFDs for Onion and Potato Storage Facilities

- Corrected the requirement for customer's to **retain** the equipment or contractor invoice(s).

DOCUMENTATION DESCRIPTION	RETENTION/SUBMITTAL LOCATIONS		
	BPA ENERGY EFFICIENCY REPORTING SYSTEM	EEDOCS@BPA.GOV	CUSTOMER FILE
End-user identifying information including unique site ID and address (e.g., field location, meter number, GPS coordinates, farm name or legal property description)	X		X
Equipment or contractor invoice showing: <ul style="list-style-type: none"> <li>• Equipment manufacturer</li> <li>• Equipment model number</li> <li>• Size (horsepower) and quantity installed or used</li> <li>• Order or purchase date</li> <li>• Installed cost</li> </ul>			X

# Documentation Requirements

Corrected and simplified documentation requirements for equipment or contractor invoice(s):

- 9.5 Battery Charger Upgrade (BPA-Qualified).
- 9.6 Welder Upgrade (BPA-Qualified).
- 9.7 Water Systems Leak Abatement (BPA-Qualified).

Questions?

# Residential Changes

Program Managers

Dave Murphy

Paul Hawkins

Amy Burke

# 10.6 Simple Steps Smart Savings

- The Simple Steps program will end on September 30, 2020.
- The RSAT will be updated this summer, but BPA does not plan any following updates.

10.7.4 Air Source Heat Pump Conversion from Electric Forced-Air Furnace to Air Source Heat Pump (without PTCS)

*and*

10.7.5 Air Source Heat Pump Conversion from Electric Forced-Air Furnace to Variable Speed Air Source Heat Pump (without PTCS)

- BPA removed the requirement to complete and submit the Air Source Heat Pump Conversion Form (without PTCS).
- After reviewing collected data, BPA determined it is no longer necessary for program implementation.

## 10.10.2 Prime Window and Patio Door Replacement

- BPA removed language in section 10.10.2 that prohibited patio door replacement in mid/high-rise multifamily buildings.
- BPA intends to allow this application for mid/high-rise buildings.

## 13.2.5.4 Centrally Ducted Air Conditioners

- Centrally ducted air conditioners are a common system in residential homes in which air is cooled at a central location and distributed to and from rooms by one or more fans and ductwork.
- A compressor moves refrigerant between an evaporator, which removes heat and humidity, and the condenser, which releases heat to the outside air. A fan or blower circulates air over the evaporator to distribute cool air through the home's ductwork.
- CACs are different from air source heat pumps. Heat Pumps can reverse this refrigeration cycle to provide a heating benefit, but a CAC may be lower cost for customers only looking for cooling.

# 13.2.5.4 Centrally Ducted Air Conditioners

- For centrally ducted new and existing site built and manufactured homes (once sited).
- AHRI rated minimum of 16 SEER.
- Only one system per home unless over 4,500 square feet.
- No QPL or PTCS certification requirements.
- No form, but must document:
  - Purchase date and cost.
  - Manufacturer, model, type.
  - AHRI Certificate.
  - Home type via RefNo.

MEASURE CATEGORY	PAYMENT
Centrally Ducted Air Conditioner	\$60

# 13.2.5.5 Residential Packaged Terminal Heat Pump

- Replaces existing PTAC or zonal electric-resistance heat.
- Eligible in Multifamily building types.

MEASURE CATEGORY	PAYMENT
Packaged Terminal Heat Pump Retrofit	\$200 per PTHP
Packaged Terminal Heat Pump New Construction	\$125 per PTHP

Questions?

# Utility Distribution Changes

Tony Koch, Program Manager

# 13.2.4.1 Utility Distribution Projects

- Effective April 1, 2021, updates made to RT Calculator (v1.1) to include distribution transformers. Added a “quantity” field to allow for group unit purchasing and installation of distribution transformers; also added an “EEI% requested” field for customers to select the amount on a per measure basis.
- BPA will retire RT Calculator version 1.0 on April 1, 2021.

Questions?

Thank you  
for your time

[www.bpa.gov/goto/ImplementationManual](http://www.bpa.gov/goto/ImplementationManual)

