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November 5, 2024

### MEMORANDUM

**TO: Council Members**

**FROM: Kevin Smit, Manager of Power Planning Resources**

**SUBJECT: BPA's Energy Efficiency Action Plan Update**

#### **BACKGROUND:**

**Presenters:** Jamae Hilliard Creecy, Vice President of Energy Efficiency  
Bonnie Watson, Manager of Planning, Evaluation, Research & Policy  
Eric Mullendore, Program Implementation Sector

**Summary:** Bonneville Power Administration (BPA) staff will present a summary of their Energy Efficiency Action Plan update. This planning document serves as the agency's roadmap for meeting its energy conservation goal of 300 aMW from 2022 through 2027. This planning document is BPA's operational strategy for achieving objectives set forth by the Northwest Power and Conservation Council's 2021 Power Plan and BPA Power Service's 2022 Resource Program. It identifies individual sector and program targets, and strategic opportunities within existing markets to achieve conservation goals. The EE Action Plan was finalized in May 2023 and updated in August 2024

**Relevance:** The 2021 Power Plan established a regional conservation program as required by the Northwest Power Act. A major component of this conservation program is the regional conservation target which was set at 750-1000 average megawatts of cost-effective savings from 2022 to 2027. The BPA portion of this target is 270-360 aMW. The Plan also sets a specific Bonneville programmatic minimum target of 243 aMW of cost-effective energy efficiency. In addition to the target amounts of efficiency, the 2021 Power Plan Conservation Program outlines several other actions

for Bonneville and the region. These actions include pursuing targeted weatherization upgrades in homes with little or no insulation (even if the measures are not cost-effective) and targeting commercial buildings with high energy intensities. The Energy Efficiency Action Plan is BPA's forecast of how they will achieve all elements of the 2021 Plan Conservation Program.

Background: The 2021 Power Plan was released in early 2022 and includes a comprehensive resource strategy for the region and for Bonneville. This strategy calls on Bonneville to:

- Acquire between 270 and 360 aMW of cost-effective energy efficiency by 2027
- Acquire a minimum of 243 aMW (90% of the range minimum) of cost-effective energy efficiency by 2027 from programmatic savings
- Work with the Council to ensure that a budget is established to successfully meet the Plan's energy efficiency targets
- Work with their small and rural utilities and provide territory-wide programmatic opportunities to enhance the infrastructure for these utilities
- Provide continued funding of NEEA initiatives will also provide necessary support for training and other infrastructure to address implementation barriers across its customer utility footprint
- Continue to fund research and development on emerging technologies in an amount commensurate with 2020 levels or greater
- Continue to fund regional market research, stock assessments, evaluation, and related analysis in an amount commensurate with 2020 levels or greater
- Support initiatives to enhance building codes and appliance standards, at both the state and federal governments
- Support utilities with aggressive decarbonization goals

The BPA EE Action Plan outlines its strategy for achieving the conservation goals in the 2021 Power Plan. BPA publishes an energy efficiency action plan every six years, with this draft plan covering the 2021 Power Plan action plan period (2022-2027). This 2024 update includes an adjustment to BPA's goal of 358.4 aMW, downward to 340.7 aMW. In addition to meeting the requirements of the 2021 Power Plan, BPA also considered the results of their 2022 Resource Program, meeting customer needs, and considering value beyond energy savings.

More Info: <https://www.bpa.gov/-/media/Aep/energy-efficiency/document-library/ee-action-plan-22-27-update.pdf>  
<https://www.bpa.gov/energy-and-services/efficiency/action-plan>  
[https://www.nwcouncil.org/2021powerplan\\_bpa-target\\_energy-efficiency-targets/](https://www.nwcouncil.org/2021powerplan_bpa-target_energy-efficiency-targets/)  
[https://www.nwcouncil.org/2021powerplan\\_research-support-effective-implementation-conservation-program/](https://www.nwcouncil.org/2021powerplan_research-support-effective-implementation-conservation-program/)

# Energy Efficiency Action Plan 2022-2027 Update

Northwest Power & Conservation Council  
November 2024



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## Agenda

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- BPA's progress towards the savings goal
- Achievements to date
- Forecasted savings updates
- Proposed IPR budget (2026-2028)
- Sector strategy updates and success stories
- Recap of key takeaways

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# Action Plan Objectives

## 1

Acquire energy efficiency savings that provide the greatest power resource benefits. Align with 2022 Resource Program selections.

## 2

Meet BPA's share of the energy efficiency goals established in the 2021 Power Plan and prioritize cost-effective measures.

## 3

Offer a portfolio that all BPA customers can implement and support - small, rural, and residential utilities.

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# Action Plan Goal

**300 aMW**  
**2022-2027**

BPA is on track to meet the 300 aMW energy conservation goal.

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## Accomplishments to Date

Since 1982, BPA and its customers have achieved a lasting resource that includes...

**2,623 aMW**

To date in FY 2024, BPA has achieved...

**34.9 aMW**

TOTAL SAVINGS

**26.7 aMW**

BPA PROGRAMS

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## Action Plan Forecast: Reduced Slightly

Reduced forecast from 358.4 aMW to **340.7 aMW**

- Lower than anticipated savings in Commercial sector
- Oregon code legislation will reduce non-residential lighting savings
- Small reduction in NEEA's Market Transformation savings forecast

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## Updated 2022-2027 BPA Forecasted Savings (aMW)

	22-23		24-25		26-27		Total		Change	
	Original Forecast	Actual	Original Forecast	Updated Forecast	Original Forecast	Updated Forecast	Original	Actuals + Updated	aMW	%
BPA Programs	90.6	79.1	95.9	95.9	90.3	88.3	<b>276.8</b>	<b>263.3</b>	-13.5	-5%
Market Transformation	10.3	10.5	17.5	14.7	23.8	22.2	<b>51.6</b>	<b>47.4</b>	-4.2	-9%
Momentum Savings							<b>30.0</b>	<b>30.0</b>	0.0	0%
<b>Total Savings</b>	<b>100.9</b>	<b>89.6</b>	<b>113.4</b>	<b>110.6</b>	<b>114.0</b>	<b>110.5</b>	<b>358.4</b>	<b>340.7</b>	<b>-17.7</b>	<b>-5%</b>

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## Ensuring Success: Proposed Budget Increase

Budget Category	2026	2027	2028	Total
Conservation Purchases	\$65,384,524	\$65,384,524	\$86,512,699	<b>\$217,281,747</b>
Conservation Infrastructure	\$32,443,040	\$32,492,091	\$32,497,390	<b>\$97,432,520</b>
Market Transformation	\$15,000,000	\$15,000,000	\$15,000,000	<b>\$45,000,000</b>
Low Income State & Tribal Grants	\$6,005,000	\$6,005,000	\$6,005,000	<b>\$18,015,000</b>
Distributed Energy Resources	\$500,000	\$500,000	\$500,000	<b>\$1,500,000</b>
<b>Grand Total</b>	<b>\$119,332,564</b>	<b>\$119,332,564</b>	<b>\$140,515,088</b>	<b>\$379,229,267</b>

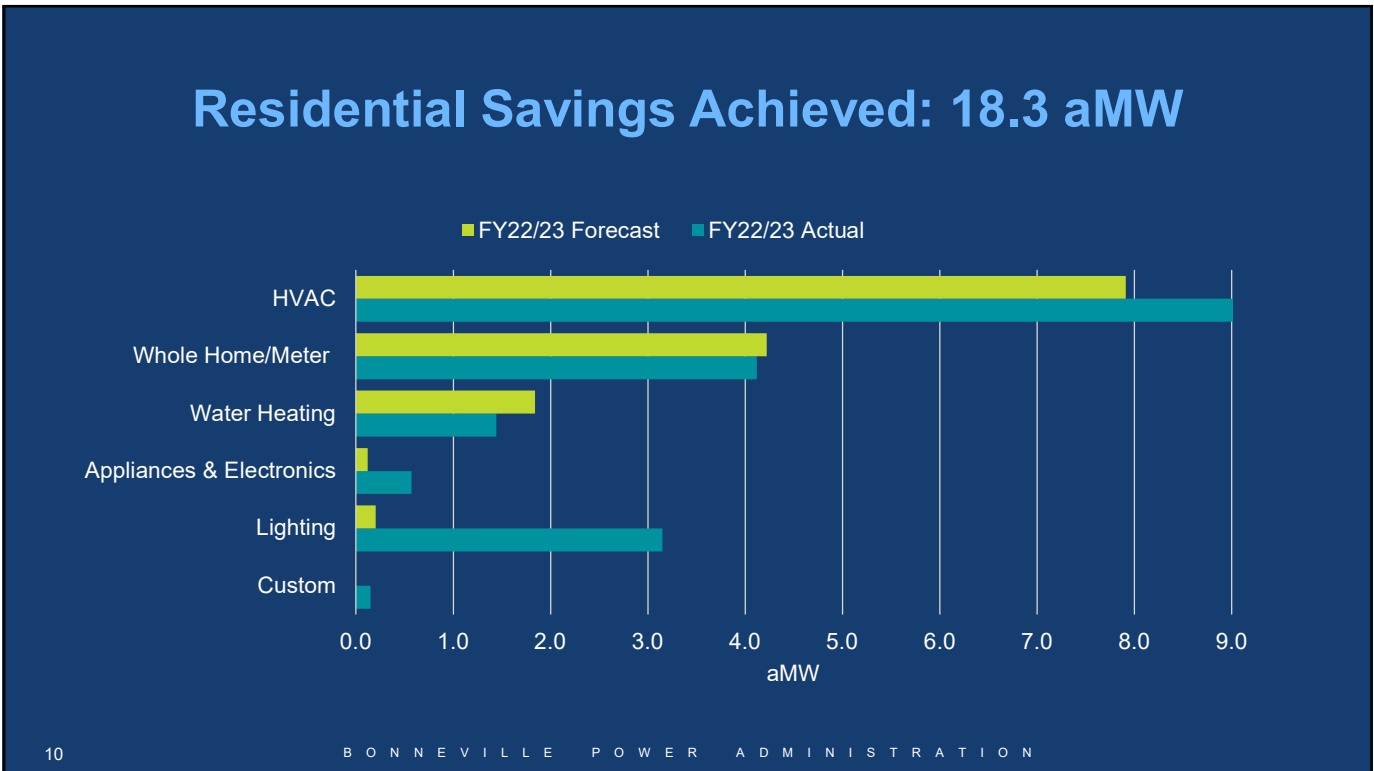
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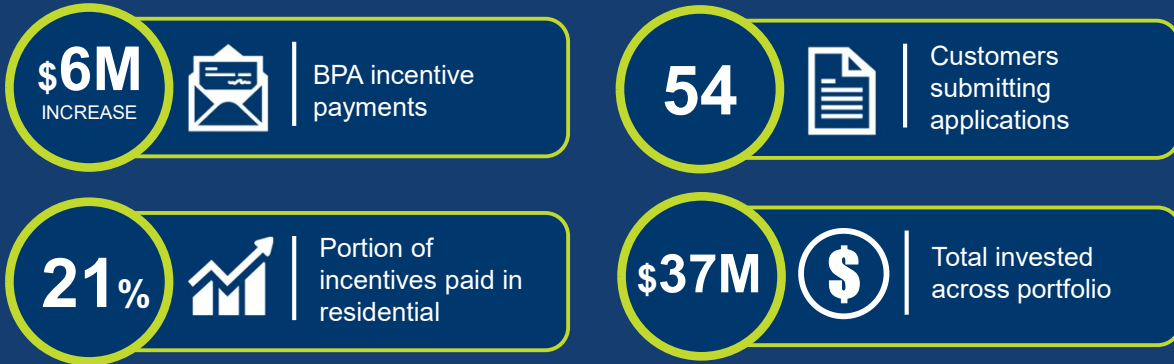
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## Increasing Focus on Low Income

Reducing energy burden, improving resiliency and increasing safety for those most in need.



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## Creating Equitable Access to Efficiency

IDAHO FALLS POWER  
**52,022**  
kWh/yr  
SAVED



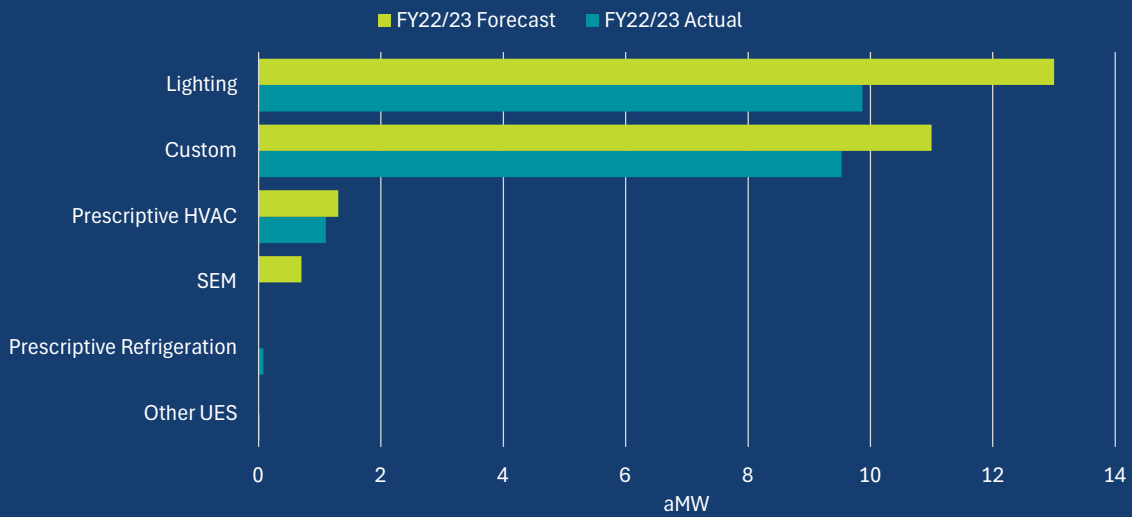
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## Commercial Savings Achieved: 20.6 aMW



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COLUMBIA BASIN  
ELECTRIC  
COOPERATIVE

**136,698**  
**kWh/yr**  
SAVED



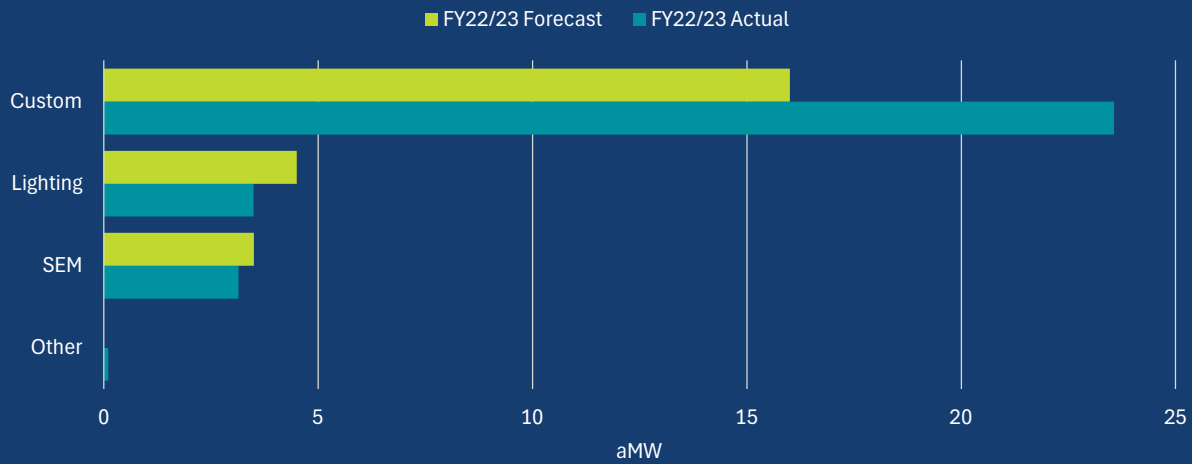
## Enabling Economic Vibrancy for Small Businesses

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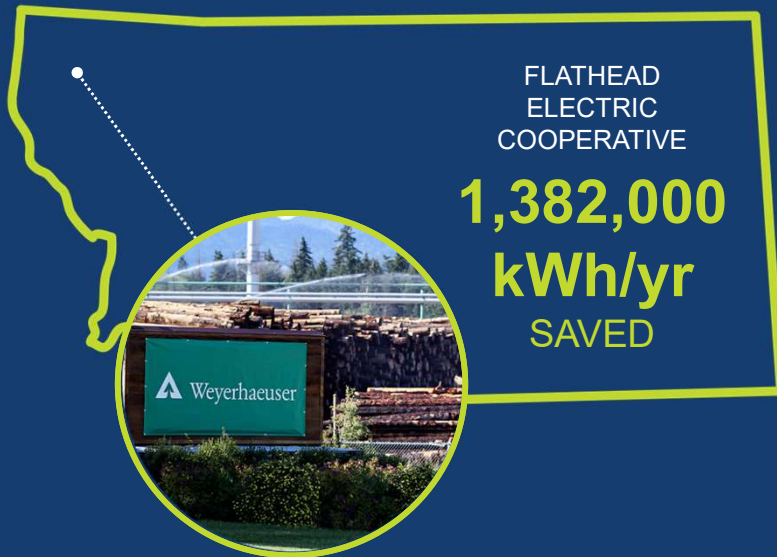
# Industrial Savings Achieved: 30.3 aMW



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## Creating a Robust EE Resource

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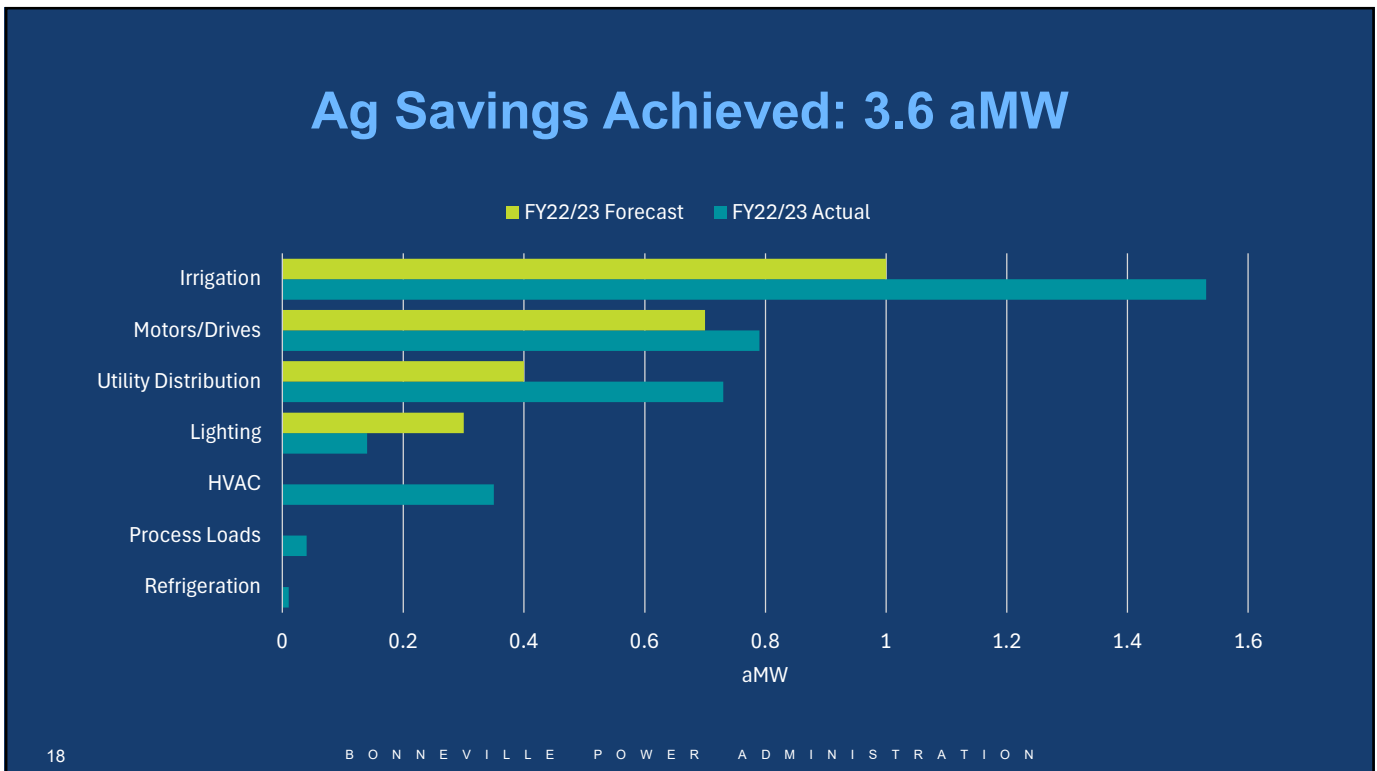


# Improving Efficiency & Safety

CITY OF BONNERS FERRY  
**631,177 kWh/yr**  
SAVED

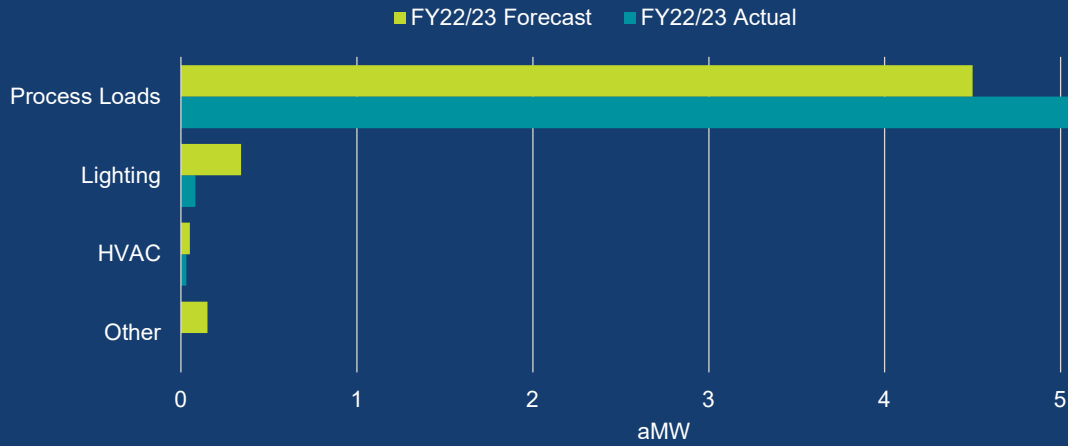
17 BONNEVILLE POWER ADMINISTRATION

17



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## Federal Savings Achieved: 5.2 aMW



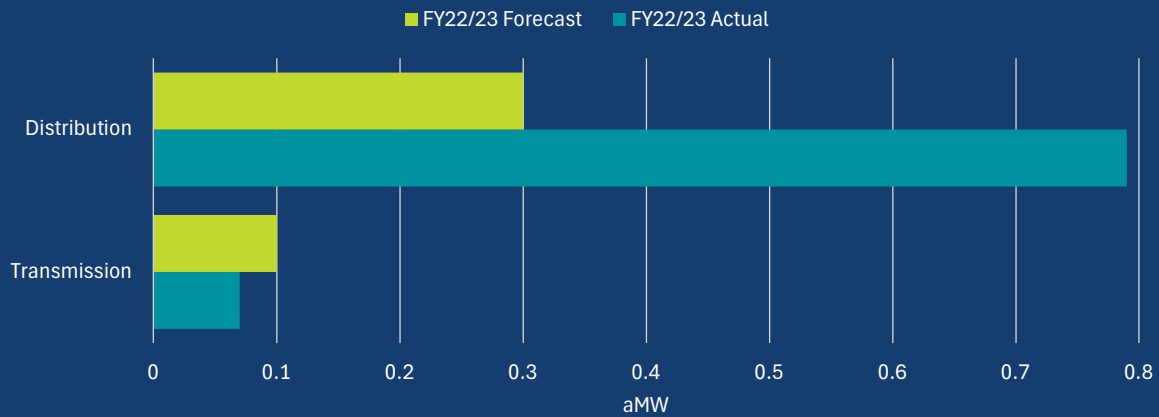
## Building a Resilient Future for Farms



FALL RIVER ELECTRIC COOPERATIVE

**400,000**  
**kWh/yr**  
**SAVED**

## Utility Distribution Savings Achieved: 0.9 aMW



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## Improving Customer Resiliency



OKANOGAN PUBLIC  
UTILITY DISTRICT

**856,790**  
**kWh/yr**  
**SAVED**

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## Key Takeaways

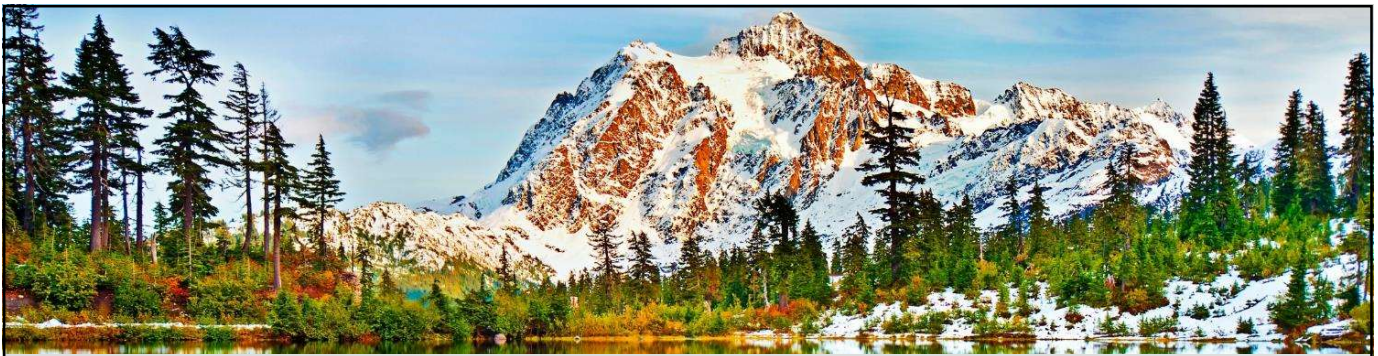
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1. BPA is on track to achieve our 300 aMW goal.
2. We are actively working to expand opportunities and remove barriers for our diverse customer base.
3. The program is helping enable our customers' success, creating economic benefits for Northwest communities, improving resiliency, and creating equitable access to efficiency.

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# THANK YOU!

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