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November 8, 2022

MEMORANDUM

TO: Council Members

FROM: Tina Jayaweera, Kevin Smit

SUBJECT: Update on Bonneville Power Administration's Energy Efficiency Program

BACKGROUND:

Presenter: Jamae Hilliard-Creecy, VP of Energy Efficiency, BPA

Summary: Jamae will present on BPA's recently published [Energy Conservation Annual Review](#), discuss the broader value BPA sees in efficiency, and discuss the timeline and process in developing their next five-year Energy Efficiency Action Plan.

Relevance: BPA represents approximately 36% of the region's cost-effective energy efficiency potential and has specific action items related to conservation highlighted in the 2021 Power Plan.

Background: BPA has been actively engaging with its customer utilities to acquire energy efficiency for the past 40 years. Over the past decade, these public utilities have acquired more than 800 aMW of savings through programmatic initiatives, NEEA, and momentum savings. BPA's customer utilities implement efficiency programs within their service territories. Once complete, these savings are reported and approved by BPA for acquisition and customers are reimbursed through the Energy Efficiency Incentive (EEI) budget. Utilities also have the option to self-fund energy efficiency programs.

More Info: Energy conservation annual review <https://www.bpa.gov/energy-and-services/efficiency/energy-conservation-annual-review>

ENERGY EFFICIENCY AT BPA

Accomplishments, Value, and Action Plan

Jamae Hilliard Creecy, VP of Energy Efficiency

November, 2022



AGENDA

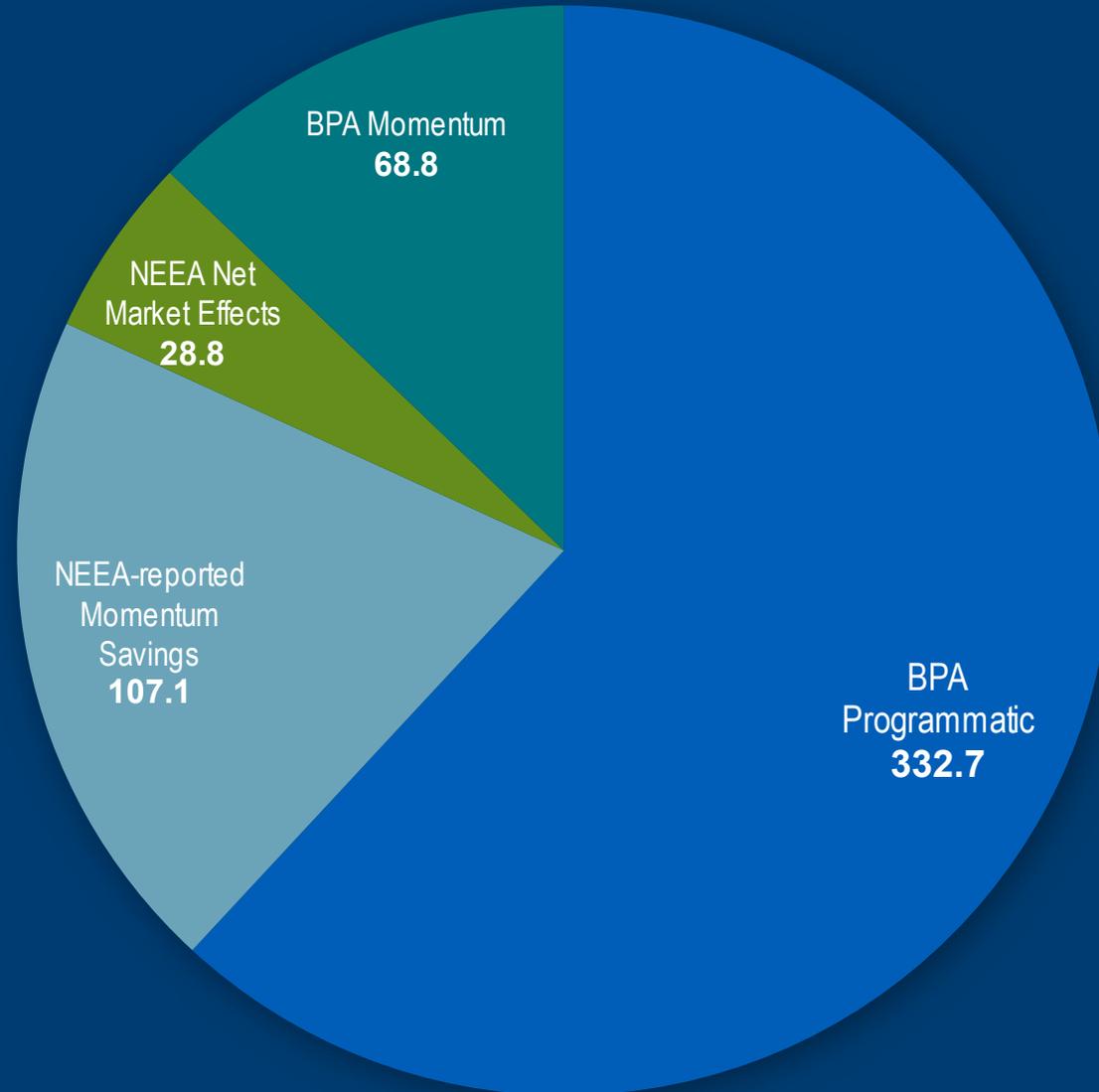
- › BPA's Inaugural Annual Review
- › Value of Energy Efficiency
- › Action Plan

Energy Conservation Annual Review



537.5 aMW During 7th Power Plan (2016-2021)

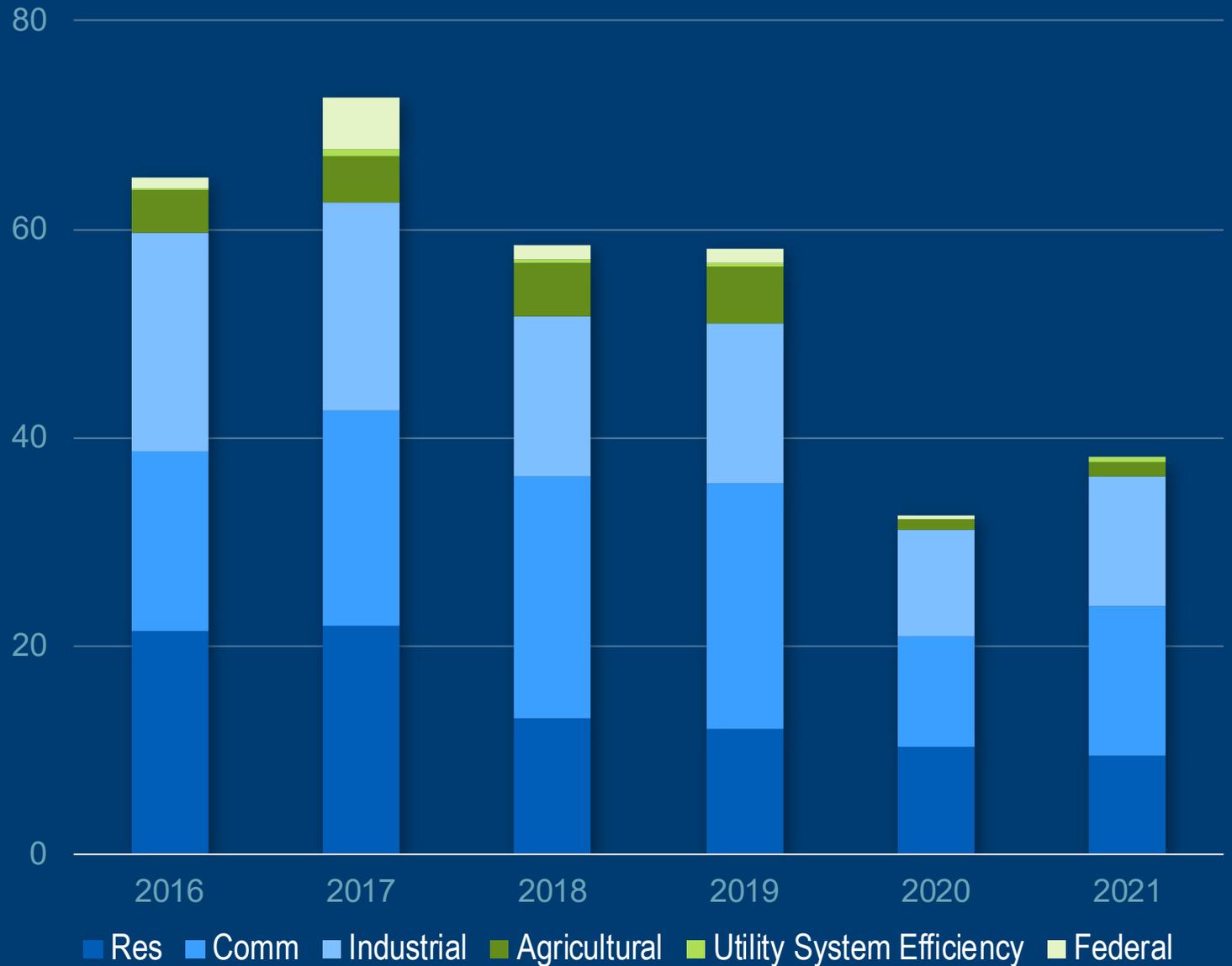
SAVINGS BY TYPE

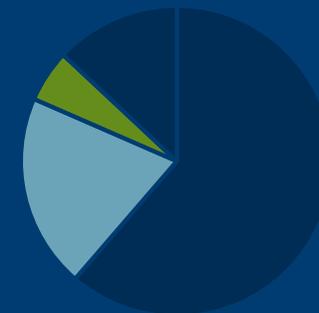


BPA Programs Delivered 332.7 aMW

Savings slowed in
2020 and 2021
due to pandemic
and transforming
lighting market.

BPA PROGRAMMATIC SAVINGS (aMW, by sector)





**NEEA
Provided
136 aMW of
Savings for
BPA**

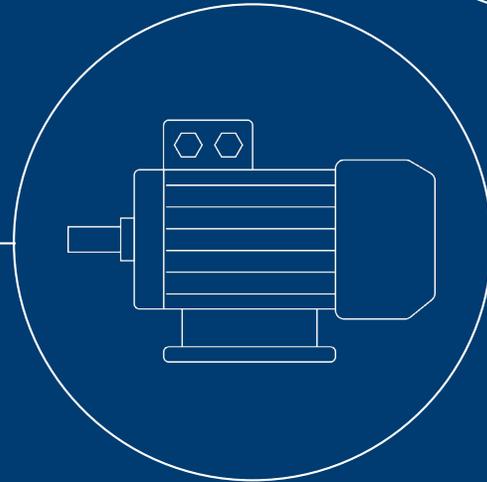
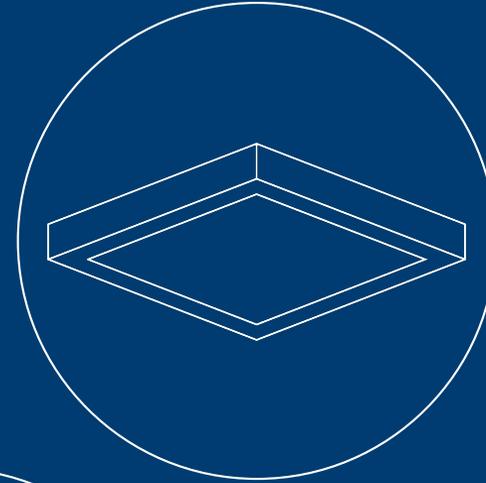
NEEA'S MARKET TRANSFORMATION SAVINGS

	2016	2017	2018	2019	2020	2021	Total
NEEA Momentum	10.8	9.4	17.5	24.9	21.3	23.3	107.1
NEEA Net Market Effects	3.6	3.7	4.8	5.0	5.7	6.0	28.8
Total	14.4	13.1	22.3	29.9	27.0	29.3	136.0

Res HVAC



**BPA Quantified
68.8 aMW of
Momentum
Savings During
the 7th Plan**



Non-Res
Lighting

Drives

A scenic landscape featuring a river, mountains, and tall grass in the foreground. A white text box is overlaid on the right side of the image, containing the title "The Value of EE".

The Value of EE



**Enabling Customer
Success**

**The EE
Resource
Brings
Many
Benefits**



**Creating Economic Benefits
for the Community**



**Building a
Resilient Future**



**Minimizing
Environmental Impacts**

Enabling Customer Success



Customers Can Leverage BPA Engineering Expertise To...



Identify EE
opportunities



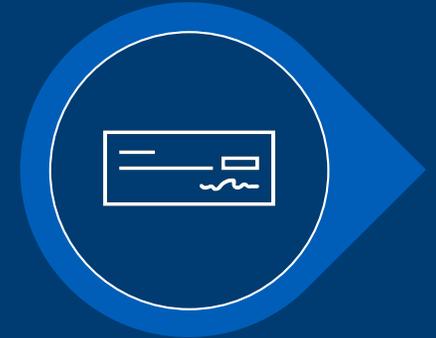
Prioritize
measures



Implement
measures



Measure and
verify savings



Assist in
claiming
savings

*A positive
connection to
customers*





Investing in the community



Supporting Tribes and Low-Income Households

Since 2016:

- Weatherized > 4 million sqft. of living area
- Approx. \$1.25 million in bill savings

Creating Economic Benefits for the Community

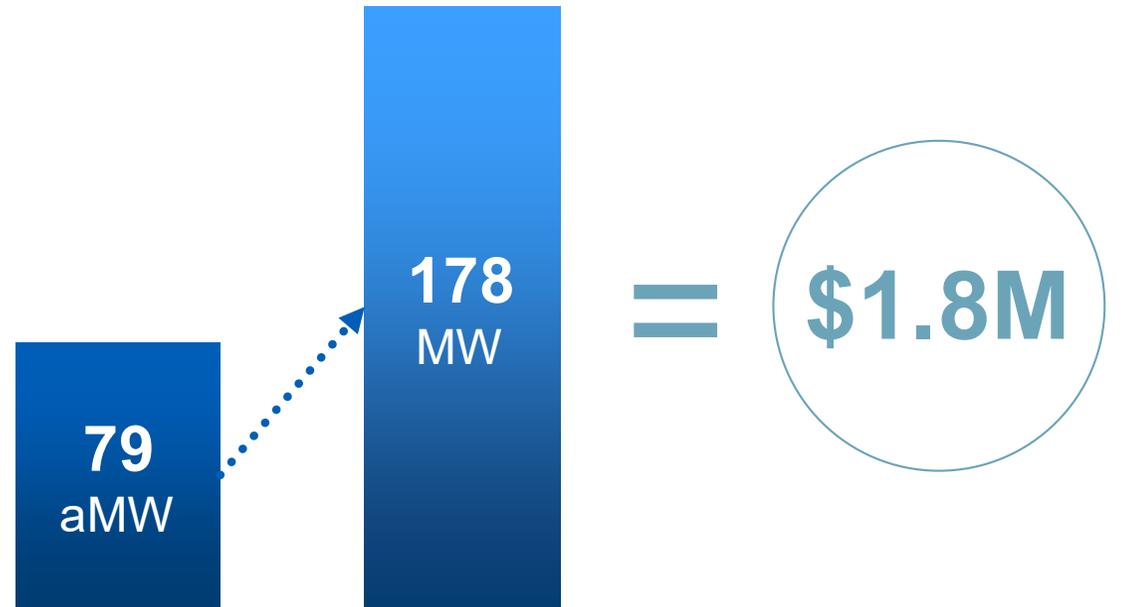




Enabling economic vibrancy

ECONOMIC BENEFITS

Supporting Regional Capacity Needs



Building a Resilient Future



Improving the grid's ability to cope with a new world



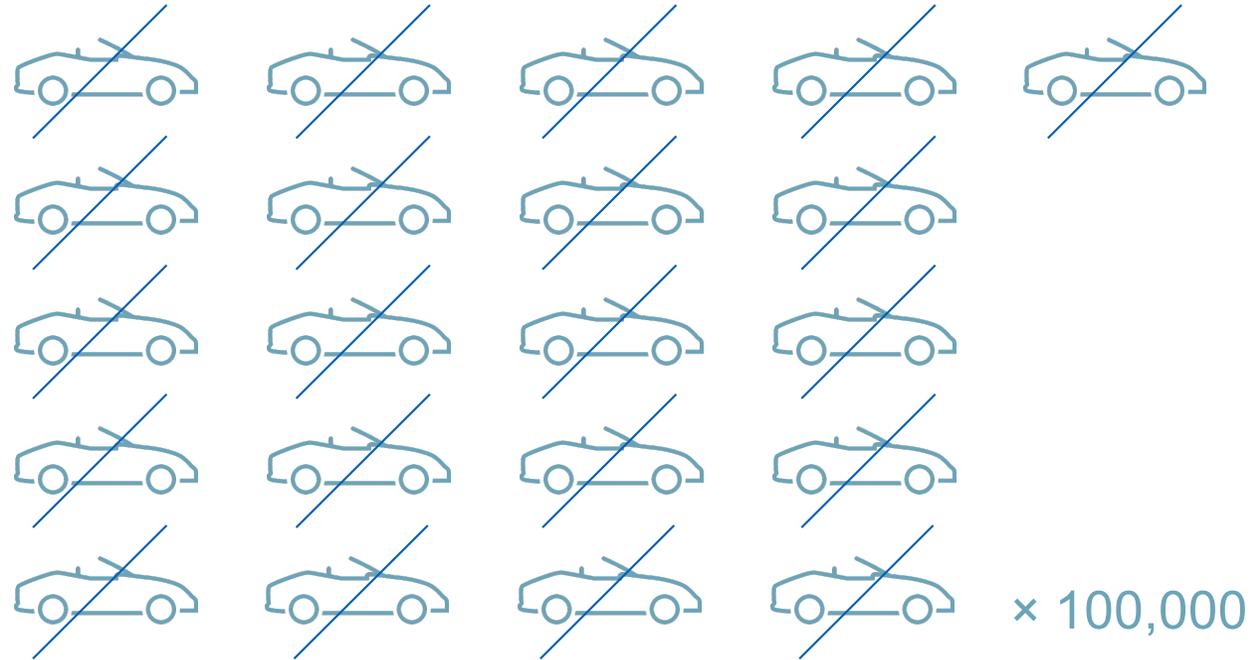


Offering customer resilience in extreme events

Minimizing Environmental Impacts



**10 MILLION TONS
OF CO₂e AVOIDED**



**Equivalent to taking more
than 2.1 million cars off the road**

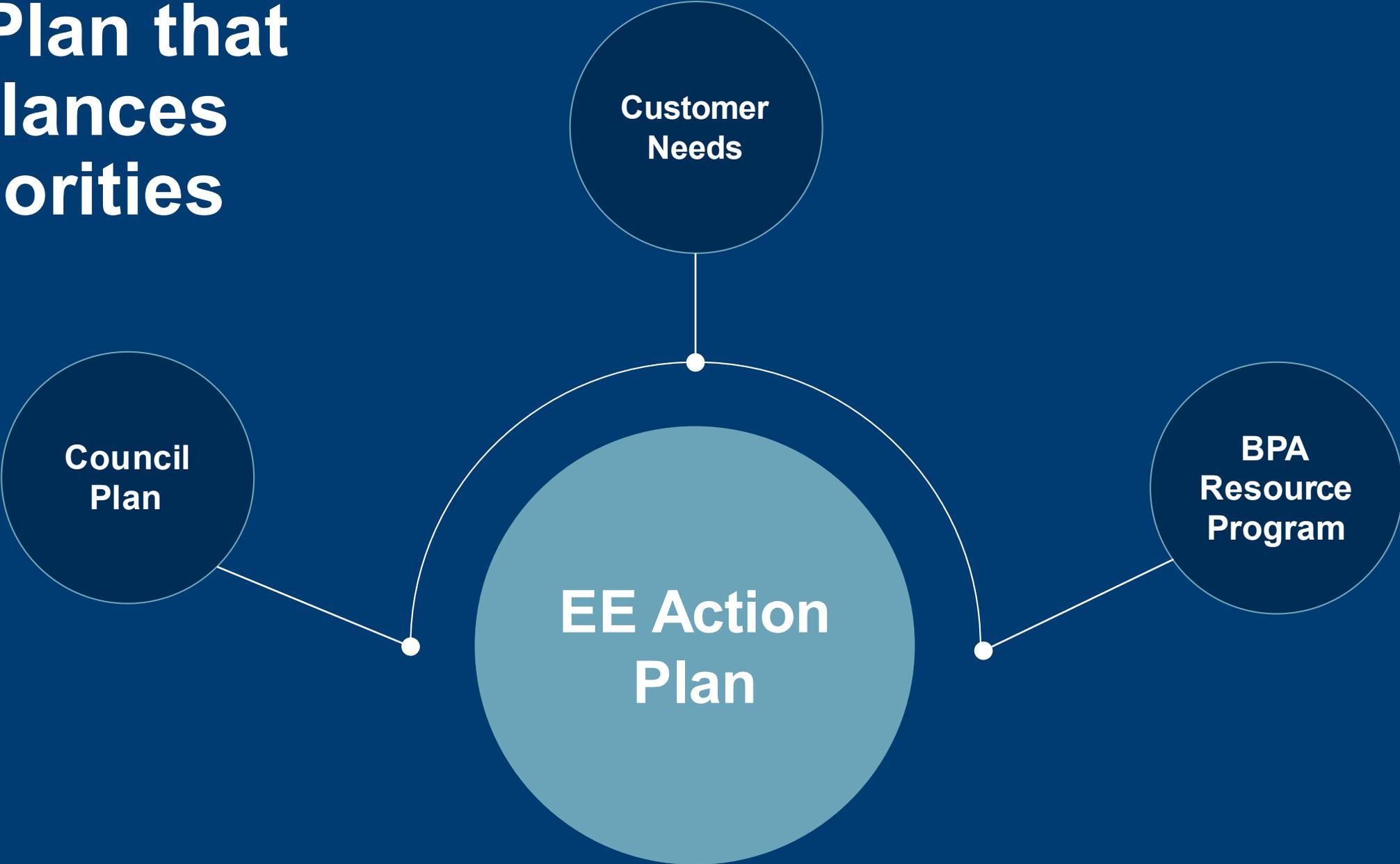


Avoid environmental impact associated with any new builds

Energy Efficiency Action Plan



A Plan that Balances Priorities



Action Plan Outcomes



Refined Measure Offerings



Revised Program Plans



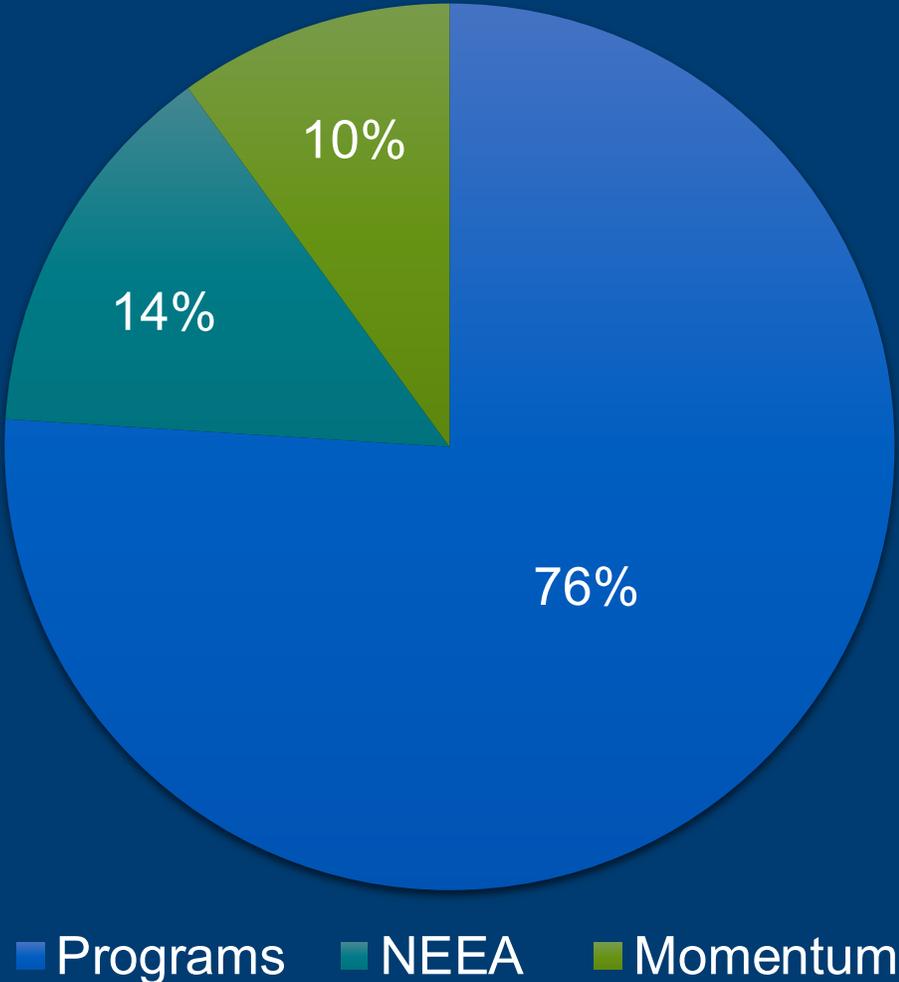
Goals, Milestones, and
Resources



A Living Document

SAVINGS BY TYPE

Draft 2021 Plan
Period Forecast:
at Least 300 aMW



**The 2021
Northwest
Power Plan:
More than
just a number**



Action Plan Timeline

Initial Analysis
Spring/Summer 2022

**Bottoms-Up
Forecast**
Summer/Fall 2022

**Drafting Action
Plan**
Fall 2022

**Draft Action Plan
Comment Period**
Early 2023

Final Publication
Spring 2023

We are here!

Discussion and Questions

THANK YOU

