

*2021 Clean Energy Implementation Plan*  
**Meeting No. 2 Agenda**  
**Thursday, June 17, 2021**  
**Virtual Meeting- 1:00 PM PST**

<b>Topic</b>	<b>Time</b>	<b>Staff</b>
Welcome and Introductions	1:00	Lyons & Christie
Customer Benefit Indicators	1:20	Brandon
Clean Energy Action Plan Targets	1:30	Gall
Break	2:00	
EAG Meeting Feedback	2:05	Lenhart
Breakouts	2:20	All
Share Breakout Room Summary	3:15	All
Adjourn	3:30	



# 2021 Clean Energy Implementation Plan Introduction

John Lyons, Ph.D.

June 17, 2021

# Meeting Guidelines

- Avista CEIP team is still working remotely for a few more months, but is available by email ([ceta@avistacorp.com](mailto:ceta@avistacorp.com)) and phone at 509-495-2255 for questions and comments
- Some processes are taking longer remotely
- Virtual IRP meetings will continue until we are back in the office and able to hold large group meetings
- CEIP information available at my webpage [myavista.com/ceta](http://myavista.com/ceta)

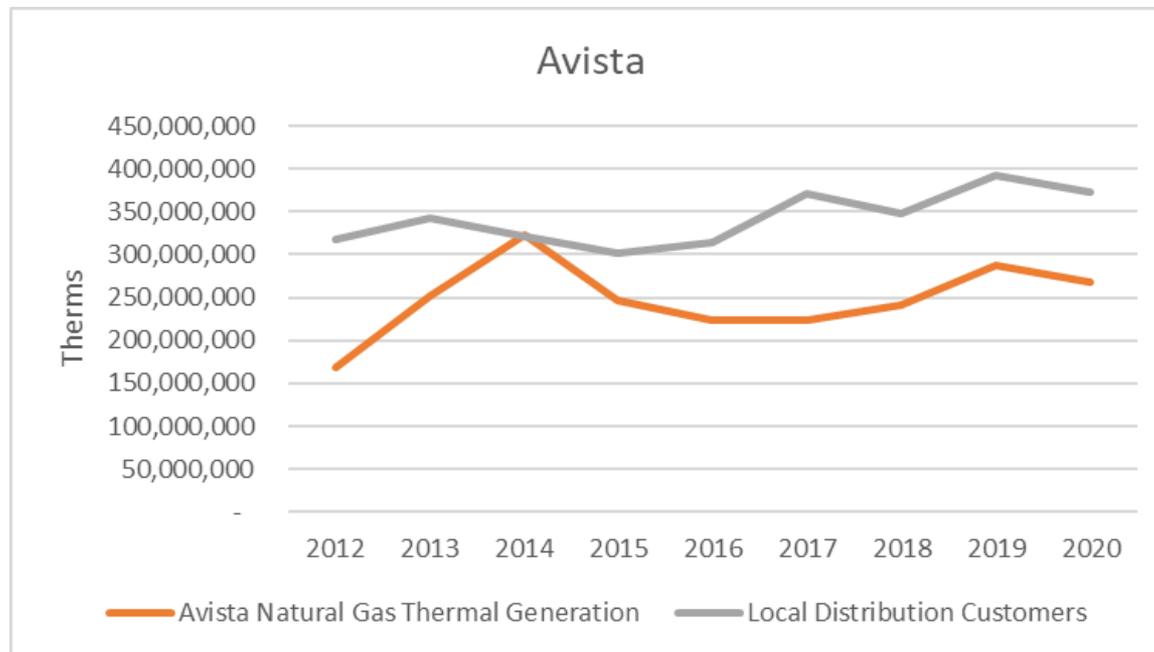
# Virtual Meeting Reminders

- Please mute mics unless speaking or asking a question
- Use the Zoom chat box to write questions or comments or let us know you would like to say something
- Respect the pause
- Please try not to speak over the presenter or a speaker who is voicing a question or thought
- Remember to state your name before speaking for the note taker
- This is a public advisory meeting – presentations and comments will be recorded and documented

# Follow up from 05/20/21 CEIP Meeting

Q. How much natural gas is used for generation vs. what is delivered?

A: In 2020, Avista's system LDC, or local distribution company, used 37,223,382 Dth of natural gas and Avista's thermal plants used 26,785,934 Dth of natural gas to serve both its system loads for Washington and Idaho. Historic values follow a similar pattern.



# 2021 CEIP Public Participation Schedule

- **EAG Meetings: Wednesday, June 9, 2021 and Thursday June 10, 2021** – Discussion of benefits of transition to clean energy, burdens/barriers to those benefits
- **Meeting 2: Thursday, June 17, 2021** – Review CEAP targets, customer benefit indicators, breakout groups for Equity Advisory Group and Customer/Advisory Groups
- **Meeting 3: Thursday, July 15, 2021** – Review customer benefit indicators and associated resource mix, customer benefit indicators methodology and measurement, renewable energy credits, resource details, breakout groups for Equity Advisory Group and Customer/Advisory Groups
- **Meeting 4: Tuesday, August 17, 2021** –Correlated customer benefit indicators, resource mix and metrics, Cost-cap calculations, Non-energy impacts, Next steps for CEIP and engagement
- **Public Outreach: Wednesday, September 02, 2021**
- CEIP participation plan meeting agendas, presentations, meeting minutes and files available at: <https://myavista.com/about-us/washingtons-clean-energy-future>

# Today's Agenda

- 1:00 Welcome and Introductions, Lyons & Christie
- 1:20 Customer Benefit Indicator Requirements, Brandon
- 1:30 Clean Energy Action Plan Targets, Gall
- 2:00 Break
- 2:05 EAG Meeting Feedback, Lenhart
- 2:20 Breakouts – Discussion of Customer Benefit Indicators
- 3:15 Share breakout room summary
- 3:30 Adjourn



# 2021 Clean Energy Implementation Plan Customer Benefit Indicator Development

Annette Brandon

June 17, 2021

# Benefits of Clean Energy

Utilities must consider input from advisory group members (including equity advisory group), and customers to meet requirement that all customers benefit from the transition to clean energy through:

## Equity

- Equitable distribution of energy and nonenergy benefits and reductions of burdens to vulnerable populations and highly impacted communities

## Public Health and Environmental

- Long term and short term public health and environmental benefits and reductions of costs and risks;
- Such as less air pollution which results in lower asthma rates

## Energy Security and Resiliency

- Energy Security – strategic objective to maintain energy services and protecting against disruption
- Energy Resiliency – ability to adapt to challenging conditions from disruptions

## Meet Planning Standards

- Maintaining and protecting the safety, reliable operation and balancing of the electric system
- Lowest reasonable cost including social costs

# Equity at the Core

Ensure that all customers are benefitting from the transition to clean energy through:

*The equitable distribution of energy and nonenergy benefits and reductions of burdens to vulnerable populations and highly impacted communities.*



“Equitable distribution” means a fair and just, but not necessarily equal, allocation intended to mitigate disparities in benefits and burdens, and based on current conditions, including existing legacy and cumulative impacts

# Customer Benefit Indicators - How we will measure how we are doing

Customer Benefit Indicators (CBI) is an attribute, either quantitative or qualitative, of resource or related distribution investment associated with customer benefits described in RCW 19.405.040 (8).

Developed through coordination with Advisory Groups, Equity Advisory Group, Public Participation

Vulnerable populations and highly impacted communities for the creation of or updates to customer benefit indicators and weighting factors for the utility's compliance with WAC 480-100-610 (4)(c)(i); and	Who?	Highly impacted communities and vulnerable populations		
	Benefit:	Energy benefits	Nonenergy benefits	Reduction of burdens

All customers, including vulnerable populations and highly impacted communities, for the creation of, or updates to, customer benefit indicators and weighting factors for the utility's compliance with WAC 480-100-610 (4)(c)(ii) and (iii).	Who?	All Customers				
	Benefit:	Public health	Environmental	Cost reduction	Risk reduction	Energy security



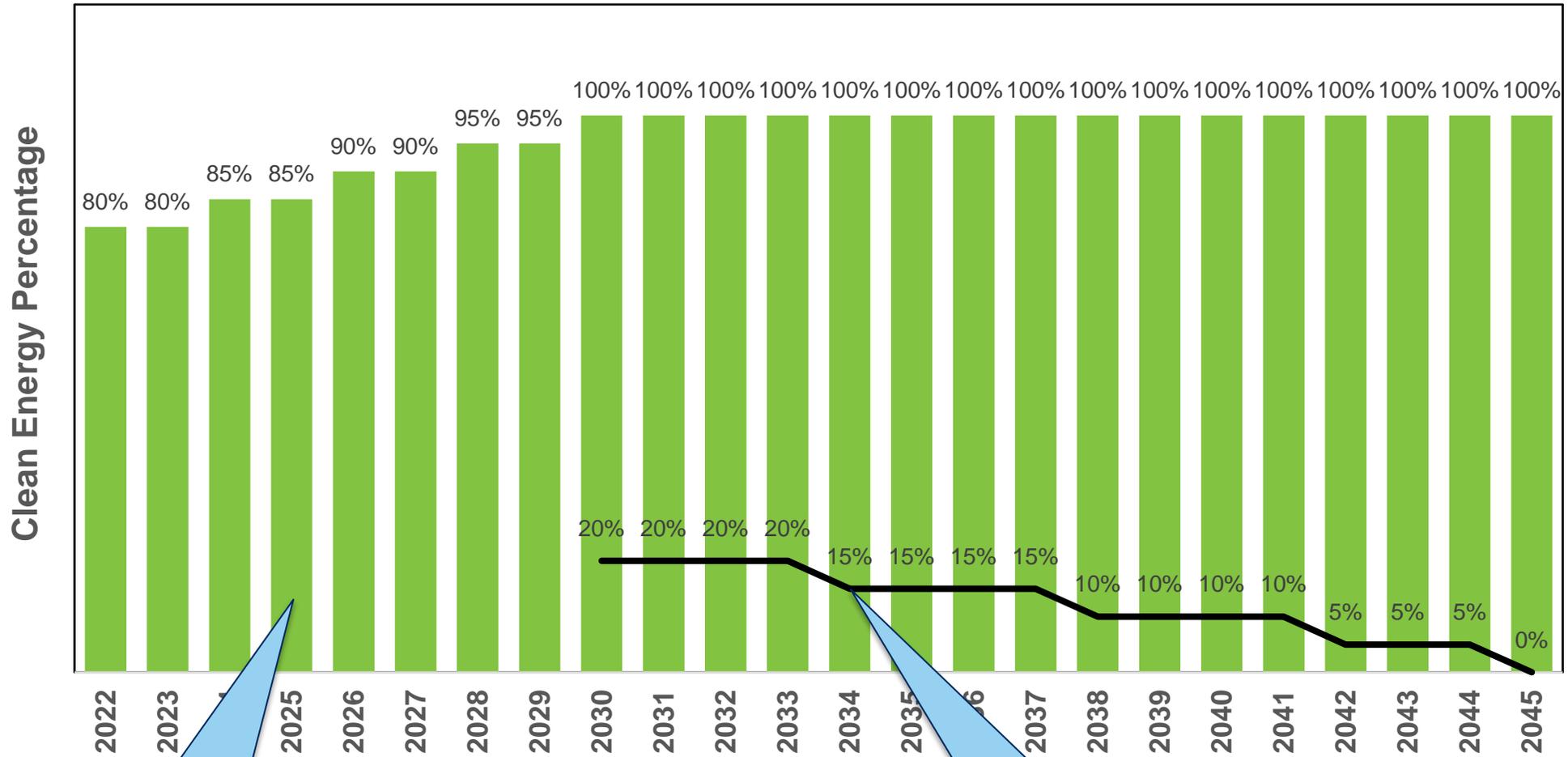
## Clean Energy Action Plan

James Gall, IRP Manager  
IRP Manager  
CEIP Public Meeting, June 17, 2021

# Agenda

- Clean Energy Interim Targets
- Retail Electric Load
- Jurisdiction Adjustments
- Clean Energy Action Plan [\[link\]](#)
  - Supply-Side Resource Selection
  - Energy Efficiency
  - Demand Response
  - Resource Adequacy

# Clean Energy Interim Target



Proposed Clean Energy Target

Proposed "REC" Limits

# Proposed Avista Retail Electric Load Adjustments

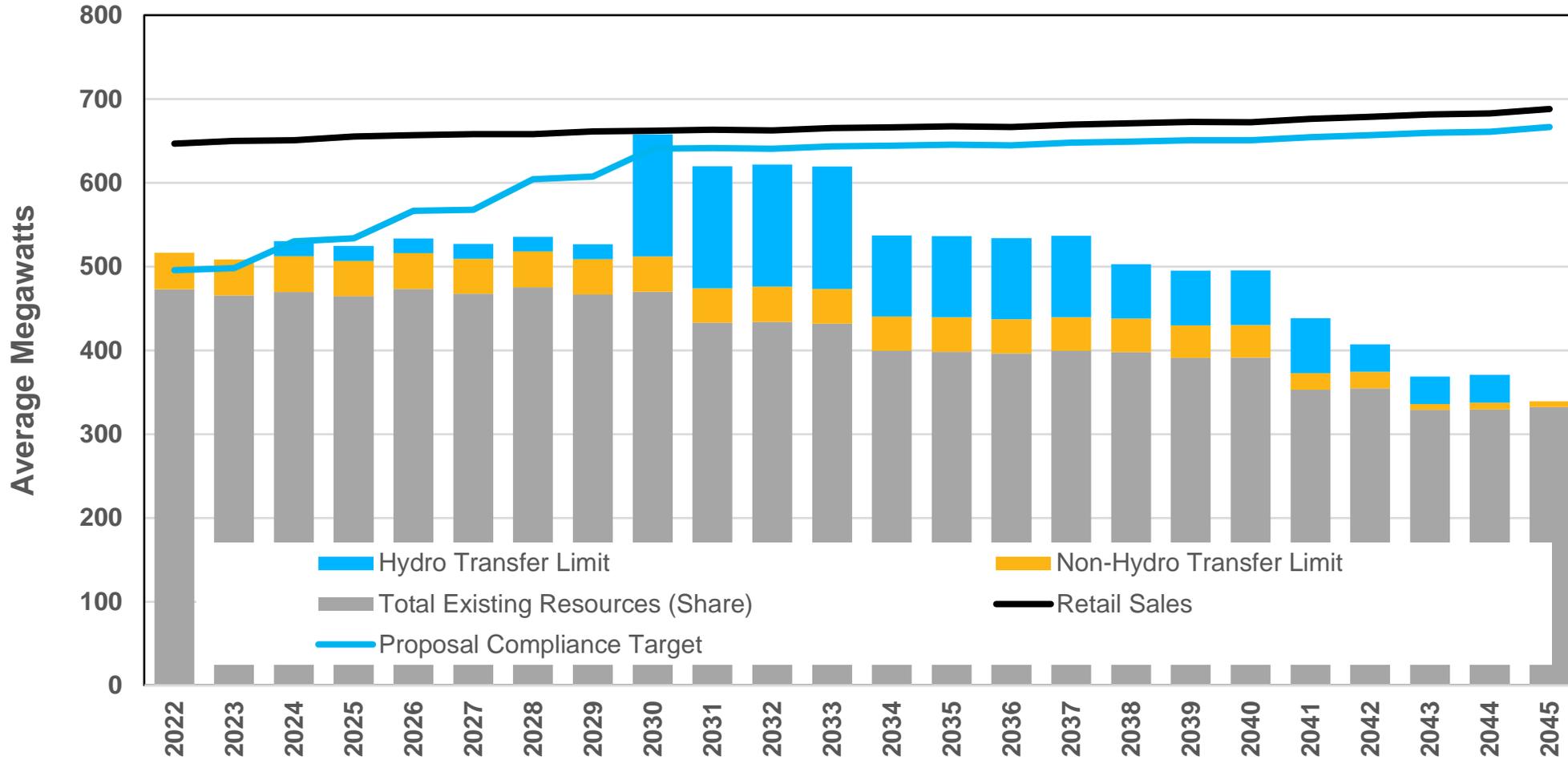
- Retail electric load in 2022: ~647 aMW
- Qualifying Facilities
  - Avista will reduce “Retail Electric Load” for all PURPA projects located in Washington state regardless of generation type.
  - Generation totals approximately 22 aMW.
  - Avista does not have any PURPA resource beginning after the creation of CETA.
- Voluntary Programs
  - Solar Select reduces retail sales (6 aMW).
  - My Clean Energy does not reduce retail sales (5.3 aMW).

Project	Size (MW)
Upriver	14.5
Waste to Energy	22.7
Waste-water Digester	0.26
Deep Creek	0.41
Big Sheep Hydro	1.4
Meyers Falls	1.3
Phillips Ranch	0.02

# Jurisdiction Adjustments

- All resources are allocated using “PT ratio” ~65% to Washington and ~35% to Idaho.
- Avista will plan for Idaho’s share of Palouse Wind, Rattlesnake Wind, Kettle Falls, and the new 5% Chelan slice to be transferrable to Washington for a fee.
- Avista will not plan to use Idaho’s share other hydro resources toward meeting interim targets.
- Beginning in 2030 plans to limit Idaho hydro transfers to 20 percent; other resources will continue to be transferred.
- Avista may need to revise these assumptions dependent on future commission rules.

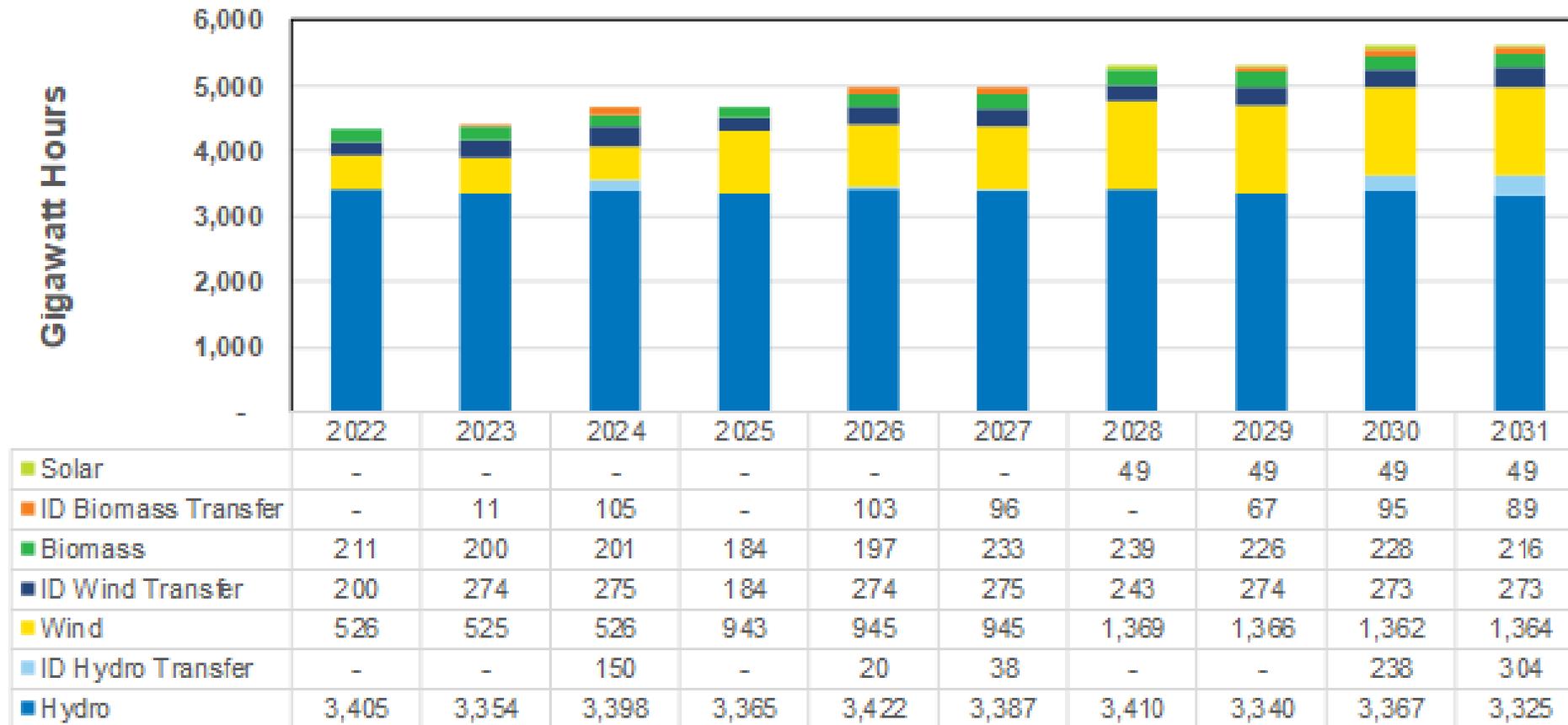
# Clean Energy Position Forecast



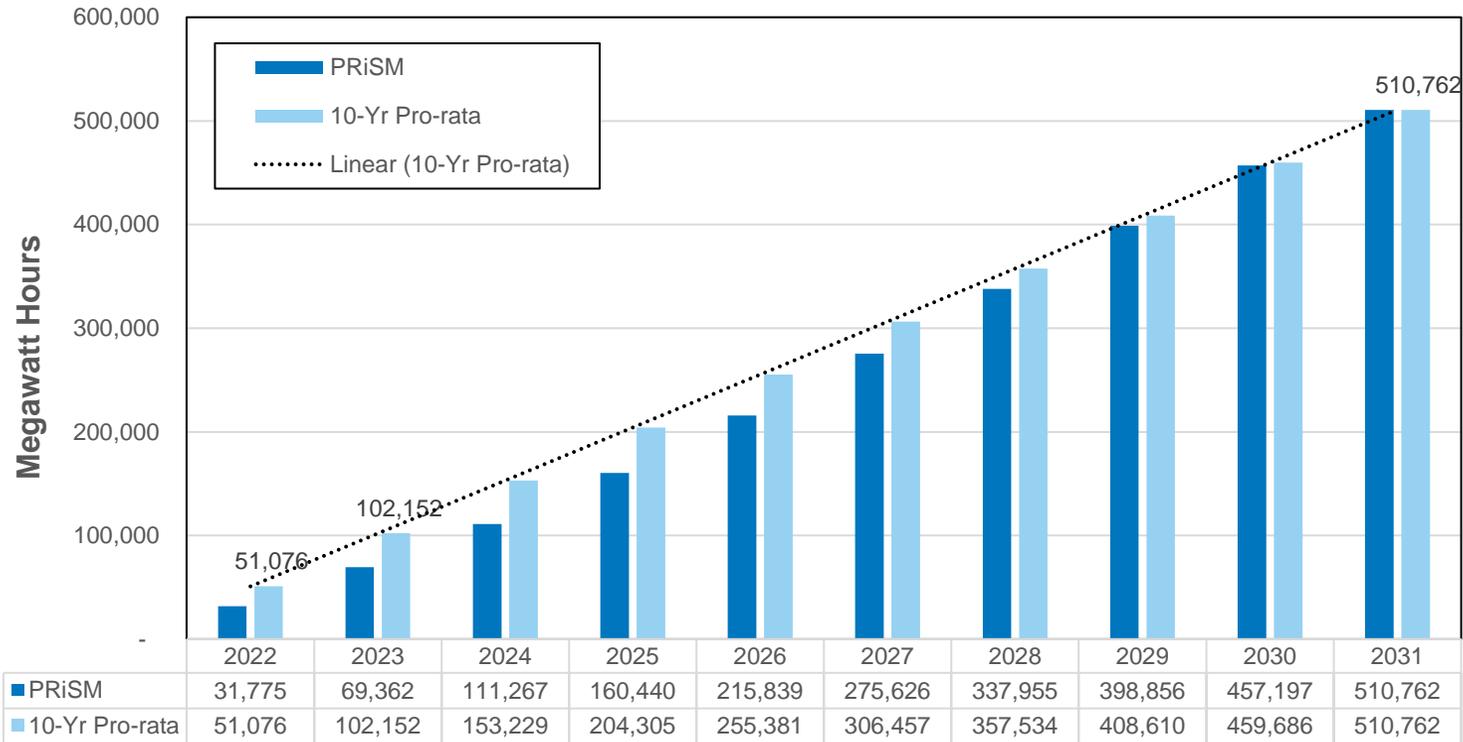
# Clean Energy Actions

- Actions within CEIP four-year period
  - 2025: 48 aMW Clean Energy (Montana wind as proxy)
  - Begin modernization /upgrade of Post Falls (2026 return; ~4 aMW)
  - Begin modernization/upgrade of Kettle Falls (2027 completion; 6+ aMW)
- Prior to 2031 Actions
  - 2028: 48 aMW Clean Energy (Montana wind as proxy)
  - 2031: 31 aMW Mid-Columbia Hydro

# Clean Energy Action Plan Summary



# Energy Efficiency

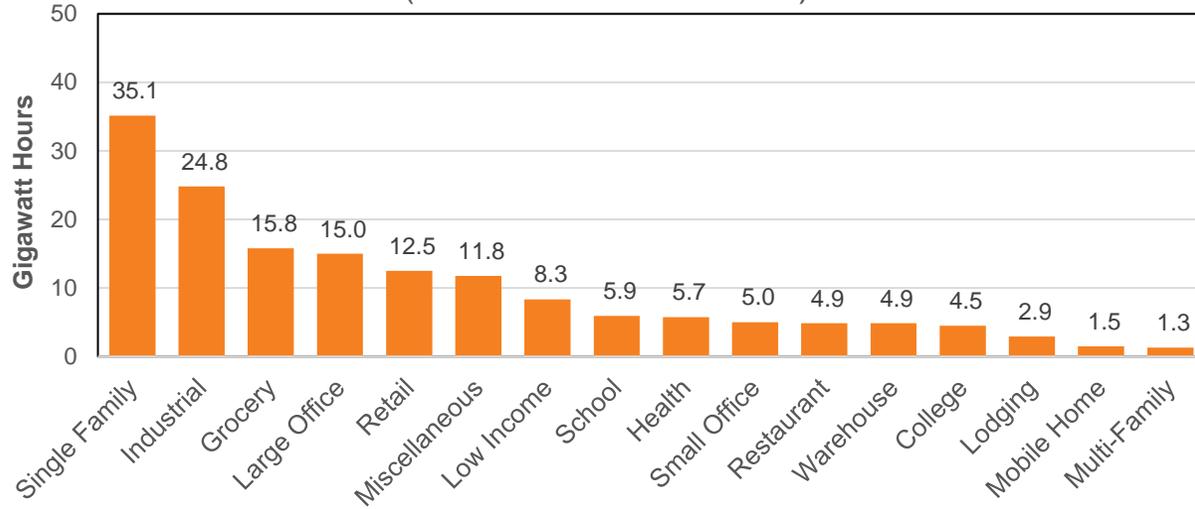


2022-2023 Biennial Conservation Target (MWh)	
CPA Pro-Rata Share	101,566
Distribution and Street Light Efficiency	219
<b>EIA Target</b>	<b>101,785</b>
Decoupling Threshold	5,119
<b>Total Utility Conservation Goal</b>	<b>106,904</b>
Excluded Programs (NEEA)	-12,896
<b>Utility Specific Conservation Goal</b>	<b>94,008</b>
Decoupling Threshold	-5,119
<b>EIA Penalty Threshold</b>	<b>88,889</b>

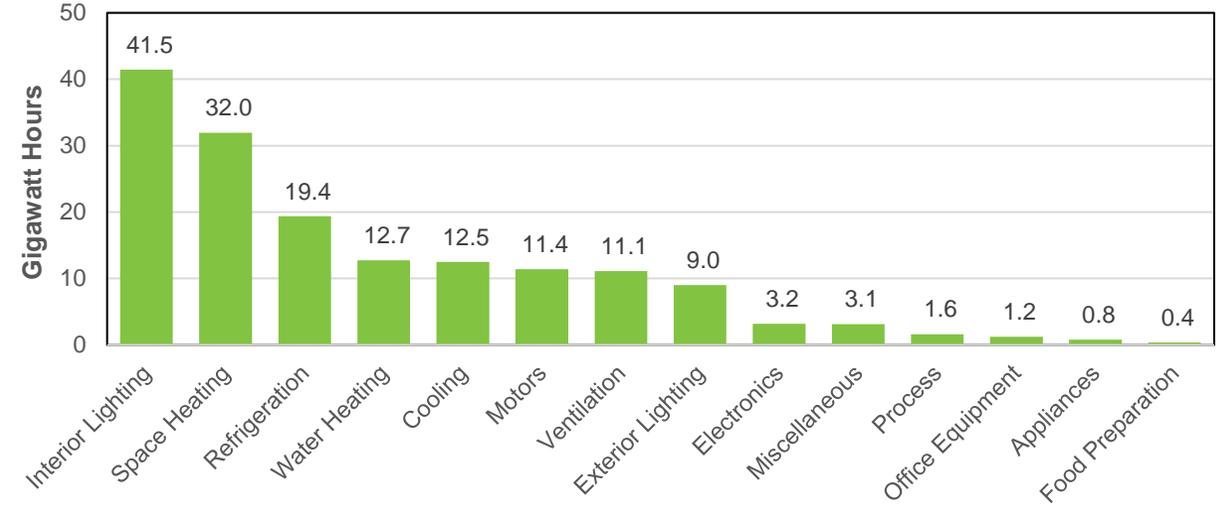
**2025 WA Peak Savings Ratio**  
 Winter Peak: 100%  
 Summer Peak: 117%

# Energy Efficiency Selection (2022-2025)

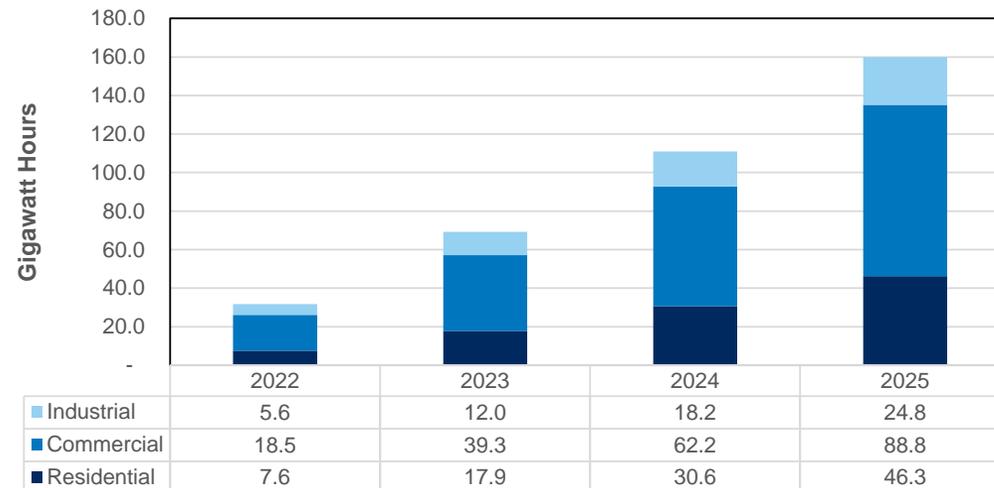
Customer Type Savings  
(Cumulative 2022- 2025)



End Use Savings  
(Cumulative 2022- 2025)



Customer Class



# Demand Response (DR)

- The 2022-2025 time period within the CEAP has limited demand response due to no capacity need
  - Critical peak pricing begins in 2025 (estimated first year savings 1 MW)
  - Time of Use and Large Commercial & Industrial (C & I) programs are expected later
- Avista will begin several “pilot” and voluntary DR programs
  - Pilots
    - Electric Vehicle Charging (1-3 MW)
    - East Central Smart Grid (placeholder)
    - Time of Use/Peak Time Rebate for Residential
  - Voluntary
    - Large Industrial

# Resource Adequacy

- Avista does not require new “capacity” resources within the CEIP four-year period
- Avista requires capacity in by November 2026 to replace the Lancaster contract.
- By 2030, Washington’s share of the capacity shortfall is
  - Winter: 171 MW
  - Summer: 92 MW
- 2021 IRP identifies in addition to the clean energy resources; Washington customers need additional capacity
  - 2021 IRP identifies 84 MW natural gas peaker to fill need
  - Actual resource will be identified in upcoming RFP.



# 2021 Clean Energy Implementation Plan Equity Advisory Group Meeting Feedback

Amber Lenhart, MPH

June 17, 2021

# EAG Goals

To help Avista ensure customers are benefiting from the transition to clean energy through the:

- ✓ Equitable distribution of energy and non-energy benefits and reductions of burdens to vulnerable populations and highly impacted communities
- ✓ Long-term and short-term public health and environmental benefits
- ✓ Reductions of costs and risks
- ✓ Energy security and resiliency

# Equity Advisory Group

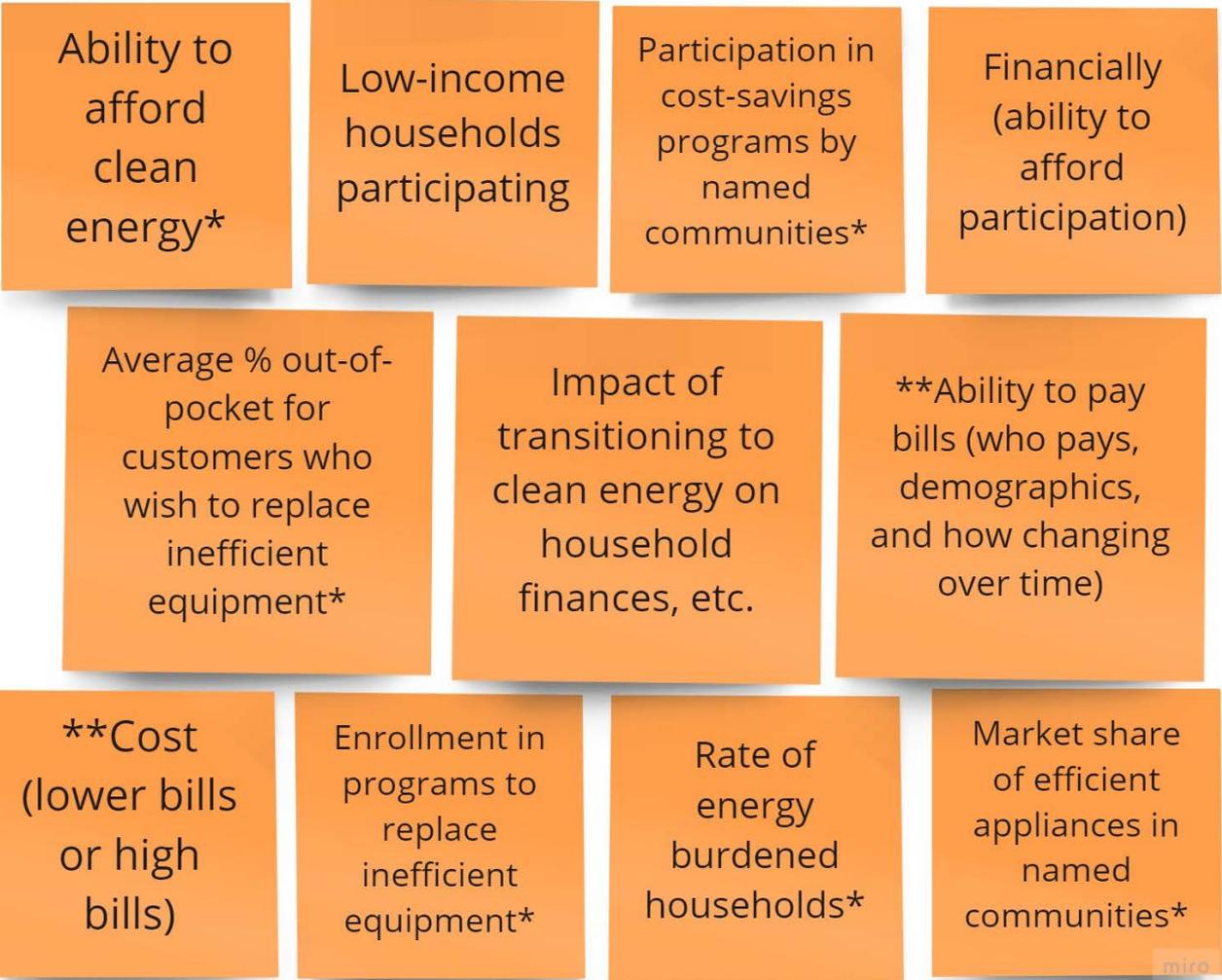
- Spokane, Airway Heights, Colville, Tekoa, Othello, Whitman County, and beyond
- Low-income and Asset Limited, Income Constrained, Employed (ALICE) households
- People of all abilities
- Veterans
- LGBTQ+
- Age diverse
- Clean energy, clean air, service and assistance providers, education, affordable housing, business, transportation, veterans health, and social and environmental justice



# Identifying impacts of transitioning to clean energy

- How could the transition to clean energy benefit (or unintentionally harm) customers?
  - Through **availability**?
  - Through **access to clean energy**?
  - Through **changes to the environment**?
  - Through **energy security, reliability, and resilience**?
  - Through **community and economic development**?

Availability & Affordability



miro

Access to  
clean energy



Environmental

Farmland used for energy creation (e.g. wind) [access, impact]	Reduction in particulate matter released by open coal trains	Access to nature and green space (hiking, etc.)	Customers with additional energy costs due to asphalt islands*	
Decreased use of fossil fuels	Number of single car trips	Reduced GHG emissions	Communities disproportionately burdened by fossil fuel infrastructure that have been improved (e.g. ameliorating mines)	
Reduction in wildfire and smoke	Wildfire-safe households*	Coal mines, etc. located near vulnerable communities	% green space/tree cover in named communities*	
Customers' homes with unhealthy indoor air*	Wildfire-safe infrastructure*	Resources protected*		
Polluting facilities in named communities*	Lower energy usage	Water supply stability	Water usage*	Climate impacts

Energy security,  
reliability, & resilience

Households with people with disabilities (e.g. on O2) affected by blackouts etc.

Rental properties updated/ included

Energy access and reliability (burdens marginalized communities)

Deaths of customers due to energy unreliability

Rural households with reliable energy (outages)

having backups for energy (less reliable?)

Reliability of energy sources

Reliable energy produced closer to rural and energy insecure communities

housholds affected by blackouts and brownouts

Community/economic development

Local students engaged in learning or apprenticeship

Availability of/access to public transportation

\$ invested in communities

\*\*Visibility of "ugly" infrastructure in communities

Equitable distribution of financial resources to the community (company structure)

Property values\*

Job creation\*

Job transition/training offered for fossil fuel industry workers

Co-op energy/ownership of energy

Health &  
well-being

Improved health outcomes due to less pollution

Initiatives addressing systemic racism

Feelings of connection to Avista

Access to cultural resources (e.g. Tribal) affected by projects

Improvements in home life

Improvements in mental health

Individuals included conversations and decisions (to mitigate stress)

Homes with ventilation problems\*

Households/ customers who thought the process was not burdensome

Reduced open coal trains traveling through communities (particulate matter)

Anxiety about changing to clean energy

Active transportation opportunities and methods used by customers

Added actual stress from transition to clean energy

# Questions and Discussion

- Clarifying questions?
- What stands out?
- What feels like it might be missing?

# Next Steps

- Prioritizing benefit indicators
  - Which, if any, are completely outside of Avista's ability to change?
  - Of those remaining, which have the strongest:
    - Communication Power
    - Proxy Power
    - Data Power

# Communication Power

To what extent is the indicator easily understandable by a broad audience?



# Proxy Power

Which are critically tied to the everyone benefitting equitably from the transition to clean energy?



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# Data Power

For which do we have data available? Which are able to be tracked, measured, and counted?



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