



# Clean Energy Implementation Plan introduction

August 17, 2021

Annette Brandon

# 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 07/15/21 CEIP Meeting

- ✓ Notes posted to webpage with all Q&As captured
- ✓ Renewable Energy Credits
  - ✓ Renewable Energy Credit/Certificate video emailed and posted to webpage at [myavista.com/ceta](https://myavista.com/ceta)
- ✓ Several Comments on ease of understanding for technical aspects
  - ✓ Definition of Terms provided via email and posted to webpage at [myavista.com/ceta](https://myavista.com/ceta)
- ✓ List of all Avista Programs which may impact affordability

# 2021 CEIP Public Participation Schedule

- **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 measurement metrics, review customer programs and resources which may impact CBI. Brainstorm additional programs/resources and discuss barriers to participation, etc.
- **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

Time	Topic	Presenter
9:00	Introduction and Welcome	Annette Brandon CEIP Project Lead
9:10	Public Participation Review CBI and Resource Selection	Annette Brandon CEIP Project Lead  Ryan Finesilver Manager of Energy Efficiency  James Gall IRP Manager
9:50	Break	
9:55	Cost Cap Analysis	James Gall IRP Manager
10:20	Survey Results	Annette Brandon CEIP Project Lead
10:20	Closing – Next Steps	Annette Brandon CEIP Project Lead



# Clean Energy Implementation Plan Public Participation Feedback

August 17, 2021

Annette Brandon

# Public Participation – What was the ask?

## How can you help?

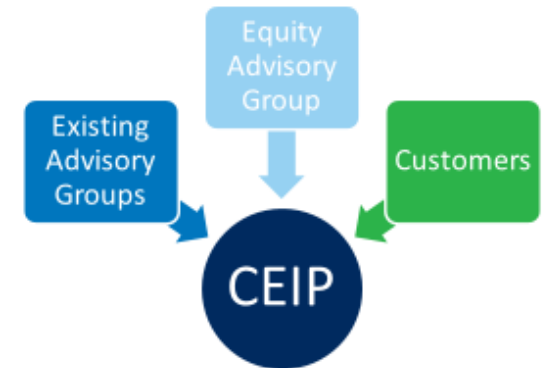
In the CEIP meetings, we will ask for input from our advisory group members and customers, in the following ways:

- Review and provide insight on burdens and barriers our customers face in terms of affordability, accessibility, environmental impacts, etc.
- Review and provide insights on Company-developed customer benefit indicators resulting from defined burdens and barriers.
- Help prioritize policies and programs for ensuring customers are benefitting from transition to clean energy.



## Who will be involved?

- Public Participation will include input from:
  - Environmental justice
  - Health advocates
  - Tribes
  - Representatives from named communities





# Public Participation Inputs



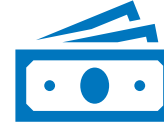
## Identify Named Communities

Highly Impacted Communities  
Vulnerable Populations



## Benefits/Barriers “Equity Areas”

Benefits of Clean Energy  
Prioritization  
Barriers to Participation



## Customer Benefit Indicators

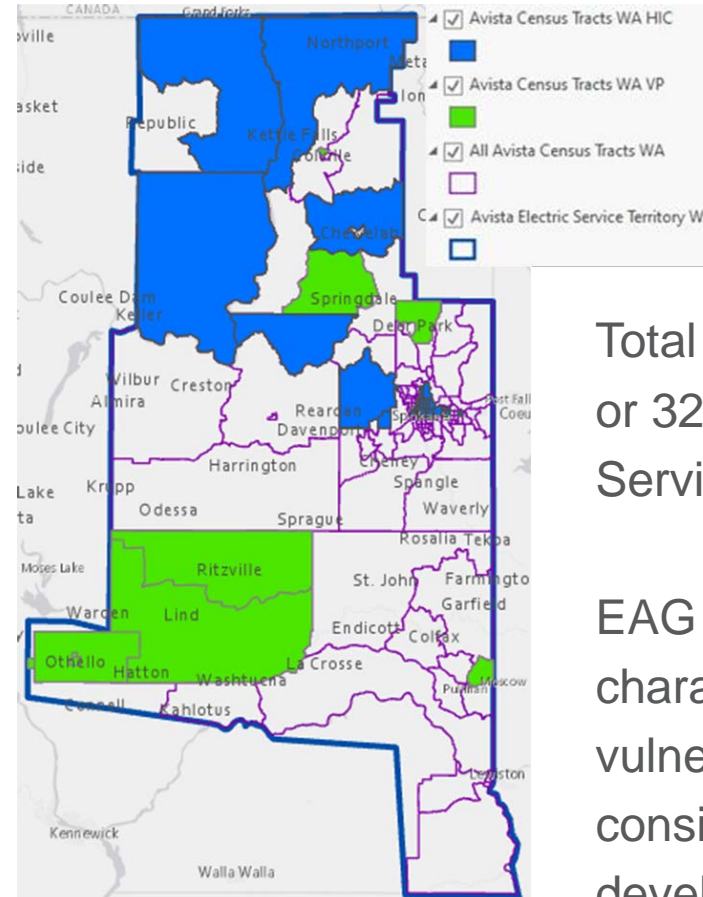
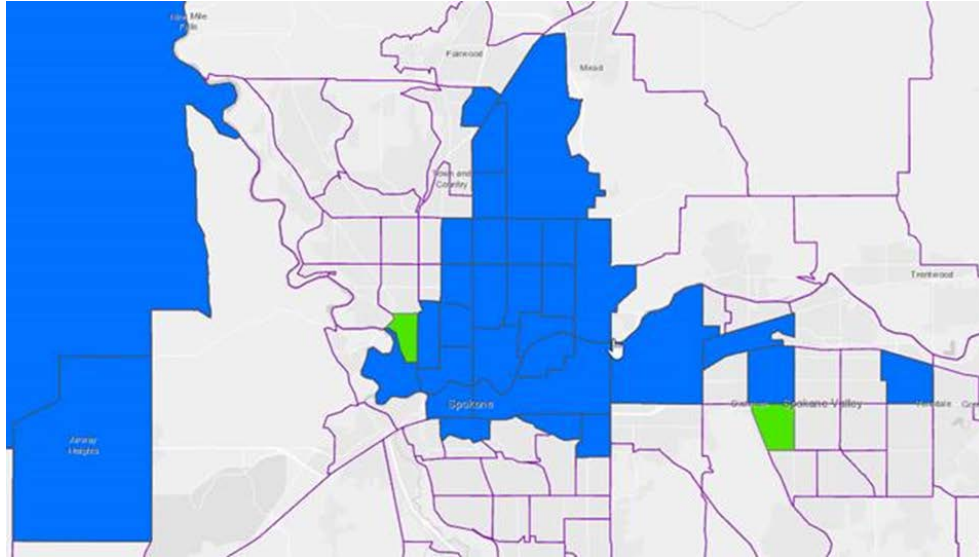
Measurable  
Accountable



## CEIP

Resource Mix  
Lowest Reasonable Cost  
Resource Adequacy

# Highly Impacted Communities and Vulnerable Populations (“Named Communities”)



Total represents 47 areas or 32% of total Washington Service Territory.

EAG identified additional characteristics for vulnerable populations considered as part of CBI development.

- Highly Impacted Communities
  - Designated by DOH
  - 34 Census Tracts (25%)
- Vulnerable Populations
  - Socioeconomic and sensitive population areas 9 or higher
  - 13 Census Tracts (7%)

# Who else might have the hardest time reaching benefits?

Groups identified help inform other “vulnerable population” characteristics

Tenants (renters)	Monolingual (no written language)	Youth (some help families navigate resources)	Houseless populations	Specific indigenous languages and unwritten languages (challenges with translation)	Individuals who do not read	Migrant workers
Fossil fuel industry workers	LGBTQIA2S+	Older homes with older infrastructure	American Indian and Alaska Native (on/off reservation)	Religious and spiritual people	Pops outside of Avista's service territory affected by fossil fuel infrastructure and production	Youngest generation (high school, college)
Undocumented individuals	Non-English speakers (e.g., Spanish, Marshallese, Russian/Slavic)	Peaceful Valley	BIPOC	Rural	People who fall between the cracks	People with disabilities
Low-Income	NE Spokane households	Neighboring communities and states	Eastside of Spokane	<b>FOCUS POPULATIONS</b>		

# Developing Customer Benefit Indicators – From 86 touchpoints to 12 Final

- How could the transition to clean energy benefit (or unintentionally harm) customers?
  - Affordability
  - Environmental
  - Access to clean energy
  - Energy security, resiliency
  - Community/economic development
  - Health and well-being
- What may be some barriers or burdens?
  - Language
  - Cultural
  - Awareness
  - Transportation Access



# Customer Benefit Indicators



86 touchpoints  
26 preliminary CBI  
12 Final per Voting Matrix

## Customer Benefit Indicator and Evaluation Metrics

### Participation in Company programs

- Named Communities AND all customers

### Number of Households Energy Burdened

- Reduction in number of households with energy burden > 6%

### Availability of methods/modes of outreach and communication

- Identification and development of new communication techniques, etc. (Outreach programs)

### Named Community Clean Energy

- Percent of non-emitting/clean energy (including EE) MWh in named communities

### Named Community Investment

- Percent of grants awarded to named communities vs. all customers (AVISTA FOUNDATION)
- Additional funding sources to be determined

### Outage Duration

- System outage data named communities vs. all CEMI/CAIDI

### Proximity of Energy Generation

- % of generation located in Washington State or directly connected to Avista transmission

### Outdoor Air Quality

- Number of Regional weighted average number of air quality days “exceeding unhealthy for some individuals”

### Greenhouse Gas Emissions (GHG)

- Reduction in GHG

### Indoor Air Quality

- Metric to be determined

### Avista Employee Diversity

- By 2035 aspirational goal to have employees representative of communities they serve

### Supplier Diversity

- Percentage of total supply spent utilizing diverse vendors



# Clean Energy Implementation Plan Resource Review

August 17, 2021

Annette Brandon and James Gall

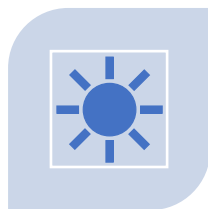
# Specific Actions Renewable Energy



NAMED  
COMMUNITY  
CLEAN ENERGY



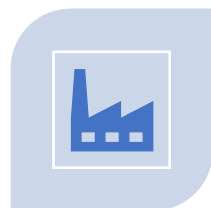
OUTAGE  
DURATION



PROXIMITY OF  
ENERGY  
GENERATION



OUTDOOR AIR  
QUALITY

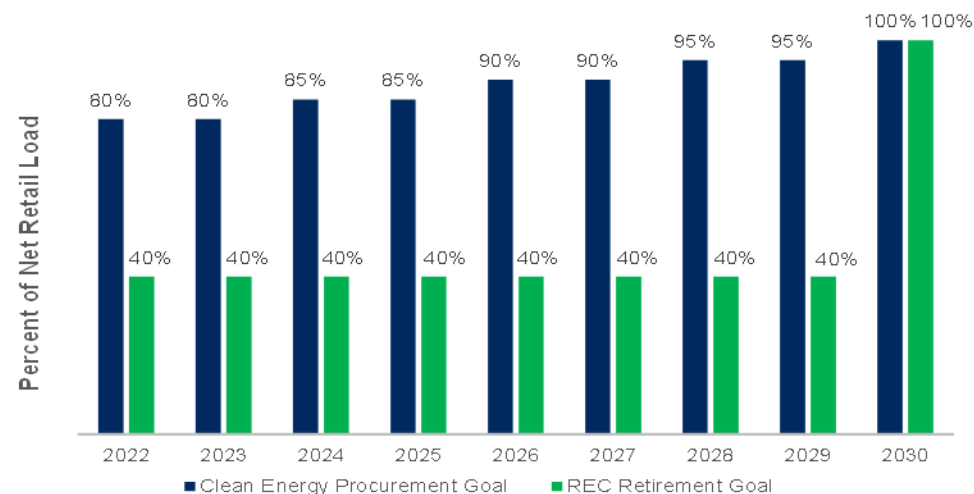


GREENHOUSE  
GAS EMISSIONS



ENERGY BURDEN

Interim Clean Energy Targets



10-year Resource Acquisition (Average Megawatts)

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
<b>Clean Energy Need</b>	<b>-23</b>	<b>-32</b>	<b>-60</b>	<b>-68</b>	<b>-92</b>	<b>-101</b>	<b>-127</b>	<b>-141</b>	<b>-170</b>	<b>-209</b>
<b>Resource Forecast</b>										
ID Clean Purchase	23	33	60	21	45	47	28	39	60	59
ID Hydro Purchase	0	0	0	0	0	0	0	0	9	17
Montana Wind	0	0	0	48	48	48	96	96	96	96
Kettle Falls Upgrade	0	0	0	0	0	6	6	6	5	5
Hydro Purchase	0	0	0	0	0	0	0	0	0	31
<b>Total Energy/RECs</b>	<b>23</b>	<b>33</b>	<b>60</b>	<b>69</b>	<b>93</b>	<b>100</b>	<b>129</b>	<b>141</b>	<b>170</b>	<b>208</b>
<b>Net Position</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# Specific Actions Energy Efficiency



Named Community Clean Energy



Number of households energy burdened



Outdoor Air Quality



Greenhouse Gas Emissions

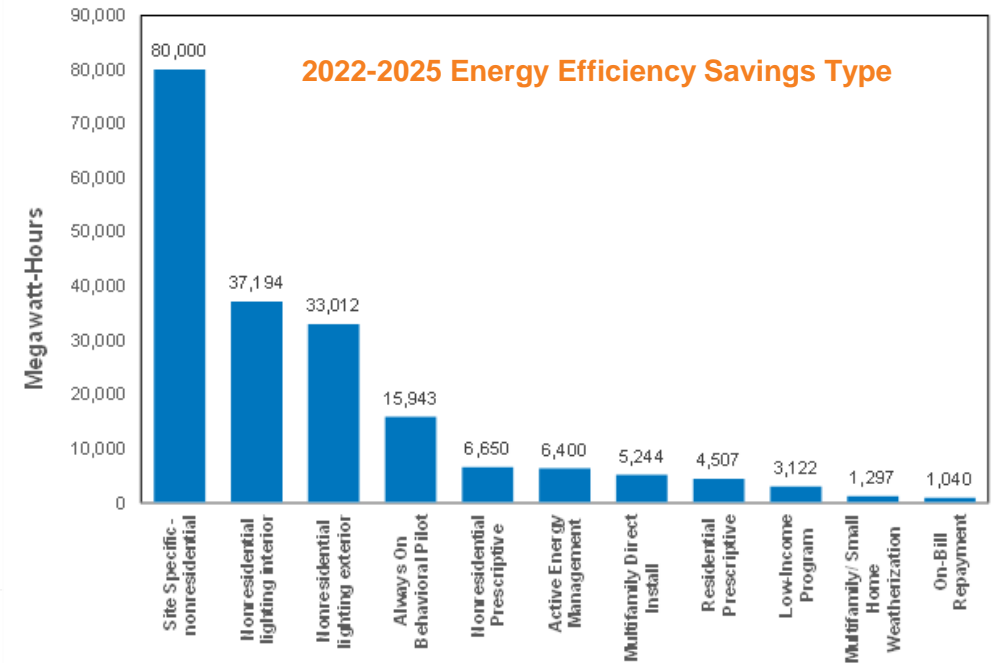
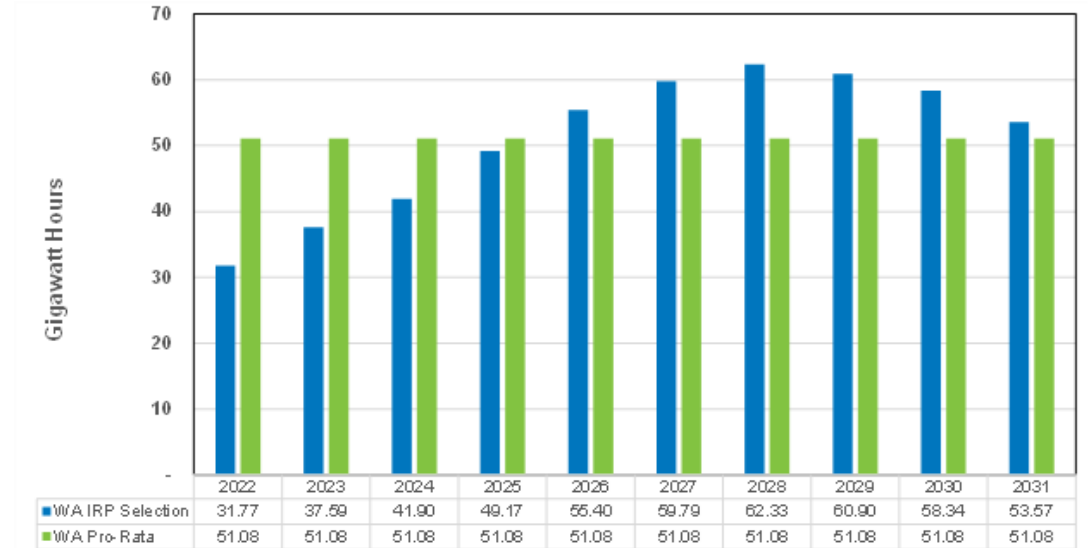


Participation in Company Programs



Availability of Methods/Modes of Communication

Interim Clean Energy Targets





# Energy Efficiency – Programs Additional Info

## Programs Specific to Named Communities

- Low Income Programs
- Multifamily direct install
- Community Energy Efficiency Program (CEEP)
- Weatherization programs for Named Communities

## Programs Specific to all Customers

- Site Specific (nonresidential)
- Prescriptive Lighting (nonresidential)
- Prescriptive HVAC (nonresidential)
- “Always On” behavioral pilot
- Active Energy Management
- Residential Prescriptive
- On-bill repayment
- Home Energy Audit Program
- Multifamily/ Small Home Weatherization

# Specific Actions

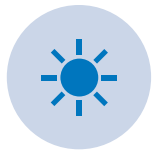
## Demand Response



Named  
Community Clean  
Energy



Availability of  
methods/modes  
of communication



Participation in  
Company  
programs



Number of  
Households  
Energy Burdened



Outage Duration



Energy Burden

No Demand Response Targets in 2022-2025 Time Period.

However, the following is in development:

- ✓ Time of Use
- ✓ Opt In
- ✓ Connected Communities
- ✓ Active Energy Management Pilot
- ✓ Micro-Grid Design for Spokane Tribe

# Chapter 4 – Specific Actions

## Other Company Initiatives



Named Community Investments

Additional Funding for Named Communities



Avista Foundation Grants

Increase % of grants for those serving or located within named communities



Diversity, Equity and Inclusion

Commitment to supplier and employee diversity



Transportation Electrification

Commitment to increase availability of TE; including named communities



Major Unplanned Outage Team

Focus to help resiliency specific to customer



## Incremental Cost of CETA Compliance

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

# Incremental Cost and Alternative Compliance

- CETA requires Avista to estimate rate payer costs for two resource portfolios
  - **Alternative Lowest Reasonable Cost**
    - Portfolio without specific clean energy actions
  - **Reasonably Available**
    - Portfolio meeting the requirements of CETA (i.e. CEIP actions)
- CETA limits the incremental cost increase to a compounding 2% per year limit.

# Incremental Cost of Compliance (\$ millions)

## Alternative Lowest Reasonable Cost Portfolio

Item	2021	2022	2023	2024	Total
Weather Adjusted Sales Revenue	555.3	605.9	626.3	653.9	
Incremental 2% of WASR	11.1	12.1	12.5	13.1	
Compounding	4.0	3.0	2.0	1.0	
<b>Four-Year Incremental Cost Cap</b>	<b>44.4</b>	<b>36.4</b>	<b>25.1</b>	<b>13.1</b>	<b>118.9</b>

# Incremental Cost of Compliance (\$ millions)

## Reasonably Available Portfolio

Item	2022	2023	2024	2025	Total/Avg
Alternative Lowest Reasonable Cost WASR	605.9	626.3	653.9	682.8	
Reasonably Available Portfolio WASR	605.9	626.3	661.2	704.3	
<b>Incremental Cost</b>	<b>0.0</b>	<b>0.0</b>	<b>7.3</b>	<b>21.5</b>	<b>28.8</b>
Annual Percentage Increase	0.0%	0.0%	1.1%	3.1%	1.1%

Avista is not forecasted to exceed the 4-year cost cap of \$119 million

# Incremental Cost of Compliance (\$ millions)

## Excludes REC and Specified Sales

Item	2022	2023	2024	2025	Total/Avg
Reasonably Available WASR	605.9	626.3	661.2	704.3	
Value of REC sales	6.0	6.2	6.2	8.2	
Revised WASR	<b>611.8</b>	<b>632.5</b>	<b>667.4</b>	<b>712.5</b>	
Alternative Lowest Reasonable Cost WASR	605.9	626.3	653.9	682.8	
<b>Incremental Cost</b>	<b>6.0</b>	<b>6.2</b>	<b>13.5</b>	<b>29.7</b>	<b>55.4</b>
Annual Percent Increase	1.0%	1.0%	2.1%	4.4%	2.1%





# Clean Energy Implementation Plan Next Steps

August 17, 2021

Annette Brandon

# Next Steps - Reporting

## CEIP Draft Plan Filed August 16, 2021

- Stakeholder Comment Period
- Customer Comments
  - via email at [ceta@avistacorp.com](mailto:ceta@avistacorp.com)
  - or telephone 509-495-4324

## Public Outreach Meeting September 2, 2021

- Educational in nature
- Overview of Process
- Specific Resource Breakout Rooms

## CEIP Final to be Filed October 1, 2021

- Comments and Survey results will be posted with how used or reasons why they were no
- “Parking Lot” will be included of things to be evaluated in Biennial Update or next CEIP



# Next Steps – Implementation

This is an iterative process which may change as we go through the process and gather more information.

## CEIP Implementation Phase 2022-2025

- CBIs will be tracked and evaluated
- Advisory Groups will continue to meet, evaluate and implement programs and investments
- EAG will continue to meet and advise
- CEIP Public Meetings may continue as needed

## Other Reporting Requirements

- CEIP Compliance Update required yearly
- Biennial Update Filing



# How can you provide feedback?



Contact us via telephone

- 509-495-4324



Email us

- [ceta@avistacorp.com](mailto:ceta@avistacorp.com)



Participate in CEIP Meeting Series

- Ongoing – Quarterly as needed



[Myavista.com/ceta](http://Myavista.com/ceta)



Comment Directly to Washington Utilities and Transportation Commission

- [www.utc.wa.gov/consumers/submit-comment](http://www.utc.wa.gov/consumers/submit-comment)