



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) 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

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
- ✓ Several Comments on ease of understanding for technical aspects
 - ✓ Definition of Terms provided via email and posted to webpage at 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
10:40	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?

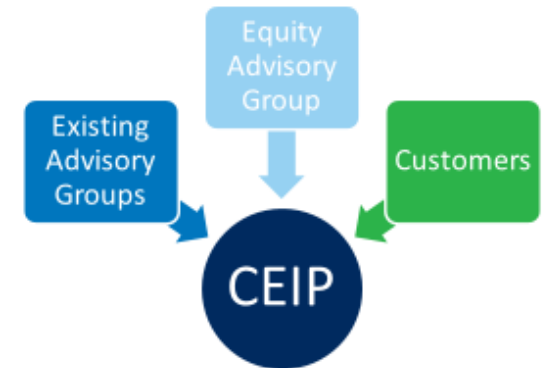
In the CEIP meetings, we will ask for input from our advisory group members and customers, in the following ways:

- 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

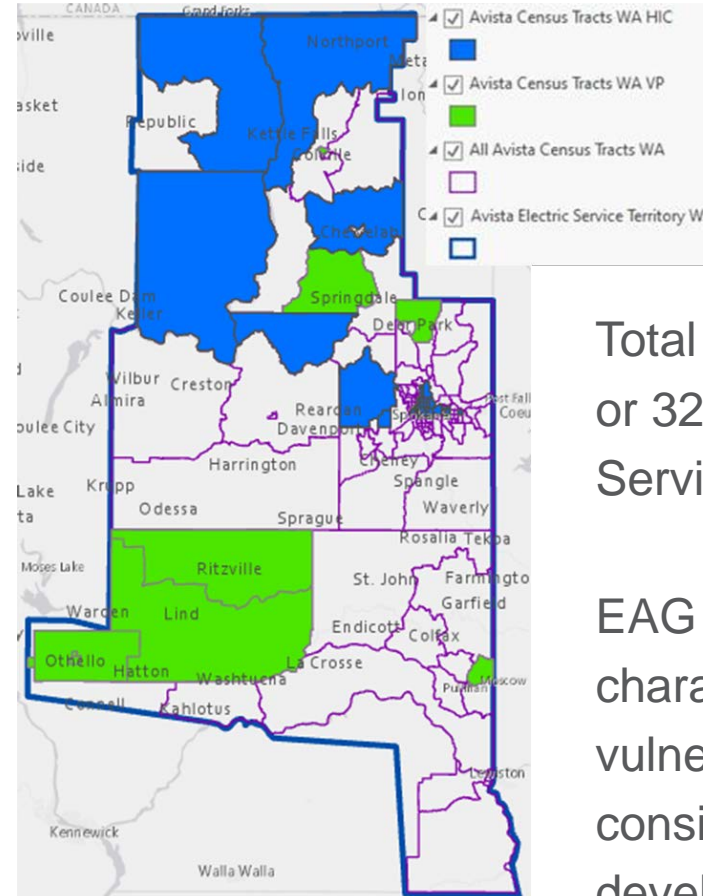
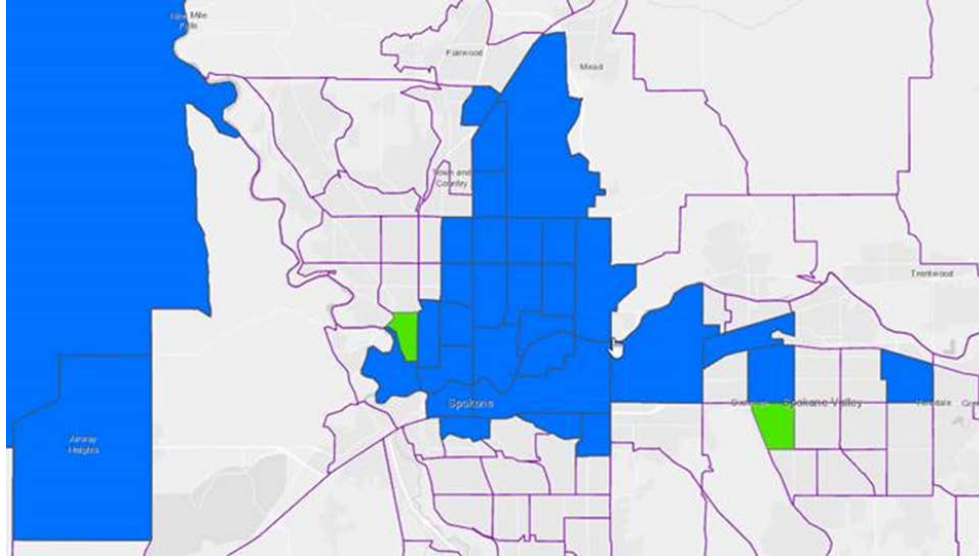
Measurable
Accountable



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	FOCUS POPULATIONS		

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

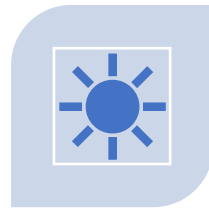
Specific Actions Renewable Energy



NAMED
COMMUNITY
CLEAN ENERGY



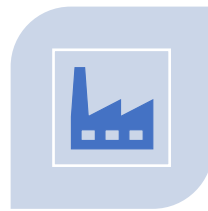
OUTAGE
DURATION



PROXIMITY OF
ENERGY
GENERATION



OUTDOOR AIR
QUALITY

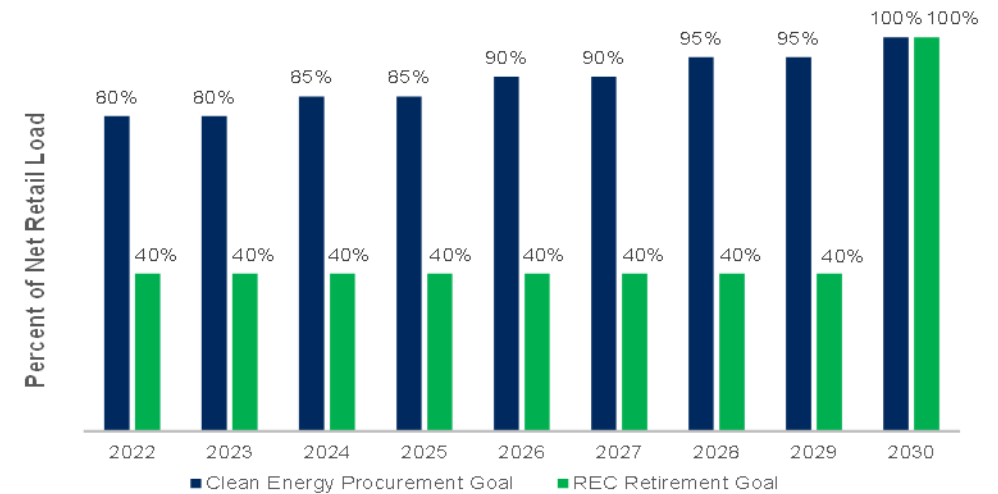


GREENHOUSE
GAS EMISSIONS



ENERGY BURDEN

Interim Clean Energy Targets



10-year Resource Acquisition (Average Megawatts)

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Clean Energy Need	-23	-32	-60	-68	-92	-101	-127	-141	-170	-209
Resource Forecast										
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
Total Energy/RECs	23	33	60	69	93	100	129	141	170	208
Net Position	0	0	0	0	0	0	0	0	0	0

Specific Actions Energy Efficiency



Named Community Clean Energy



Number of households energy burdened



Outdoor Air Quality



Greenhouse Gas Emissions

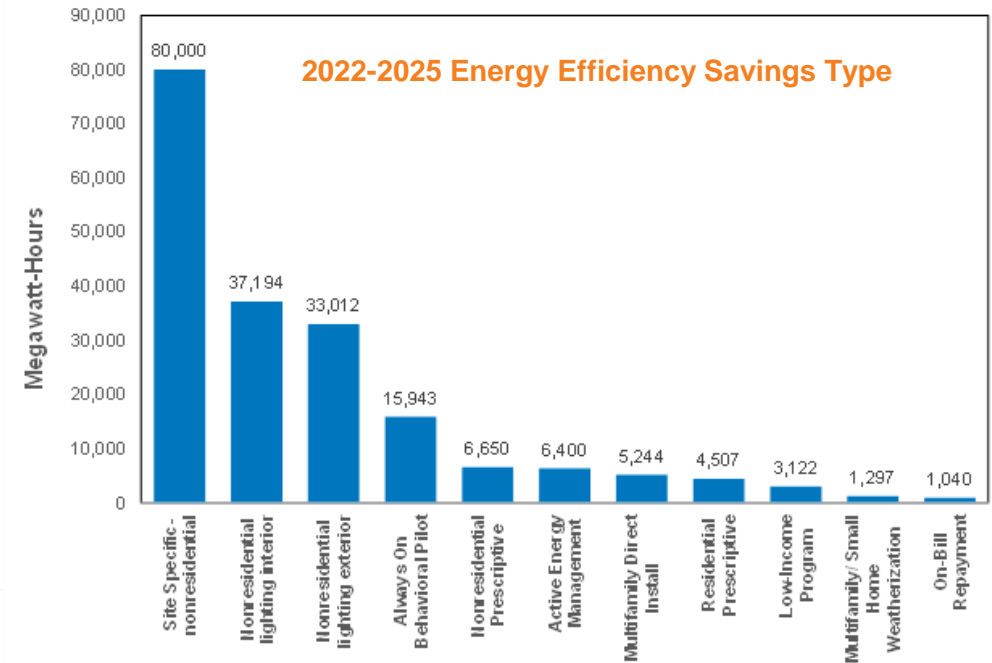
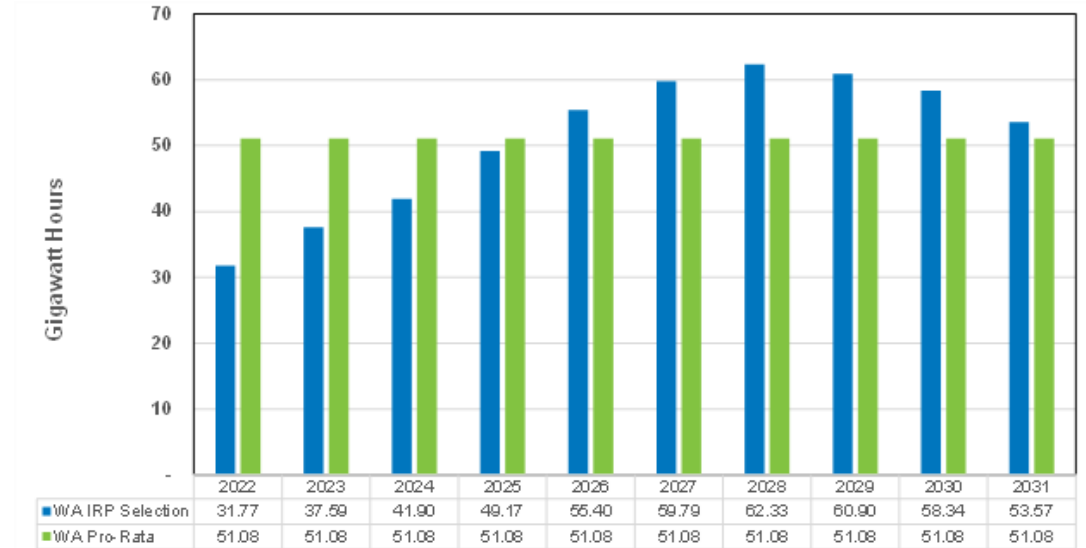


Participation in Company Programs



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

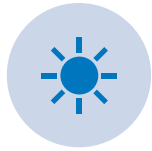
Specific Actions Demand Response



Named
Community Clean
Energy



Availability of
methods/modes
of communication



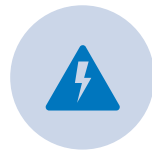
Participation in
Company
programs



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	
Four-Year Incremental Cost Cap	44.4	36.4	25.1	13.1	118.9

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	
Incremental Cost	0.0	0.0	7.3	21.5	28.8
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	611.8	632.5	667.4	712.5	
Alternative Lowest Reasonable Cost WASR	605.9	626.3	653.9	682.8	
Incremental Cost	6.0	6.2	13.5	29.7	55.4
Annual Percent Increase	1.0%	1.0%	2.1%	4.4%	2.1%



Clean Energy Implementation Plan Survey Results

August 17, 2021

Annette Brandon

Survey Overview

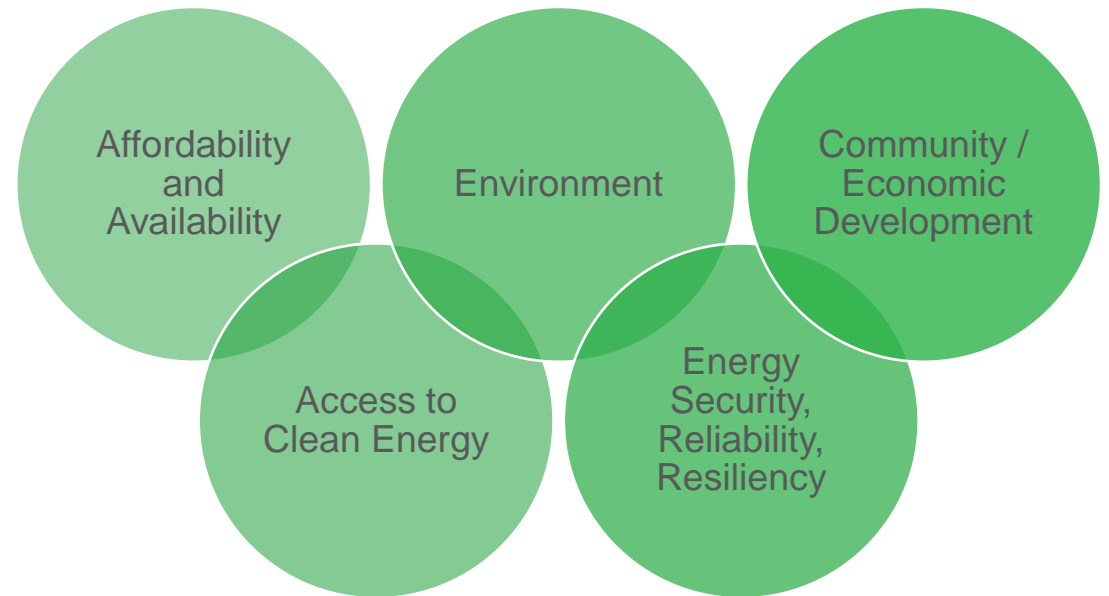
Intent of Survey was to gather additional input from customers who may not have been able to attend our CEIP Public Participation Meeting Series

2600 Customers Took Survey
36 Questions

Top Feedback (in order of importance)

1. Environmental Concerns
2. Public Health Concerns
3. Affordability

EQUITY AREAS



Customer Benefit Indicators

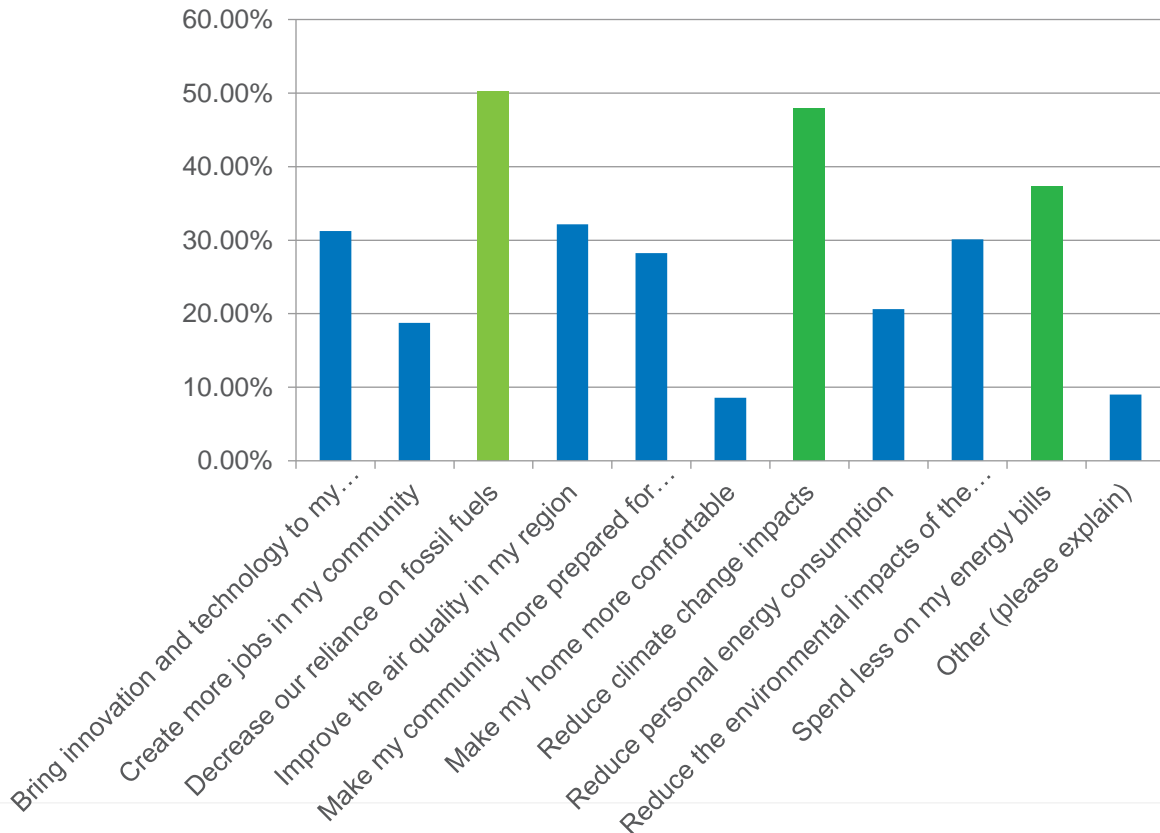
Equity Area	Customer Benefit Indicator
Affordability	<ul style="list-style-type: none">• Participation in Company Programs• Number of Energy Burdened Households
Access to Clean Energy	<ul style="list-style-type: none">• Availability of methods/modes of outreach and communication methods
Community Development	<ul style="list-style-type: none">• Named Community Investments• Named Community Clean Energy
Energy Resiliency	<ul style="list-style-type: none">• Outage Duration
Energy Security	<ul style="list-style-type: none">• Proximity of Energy Generation
Environmental	<ul style="list-style-type: none">• Outdoor Air Quality• Environmental
Public Health	<ul style="list-style-type: none">• Employee Diversity• Supplier Diversity• Indoor air quality

Survey Results

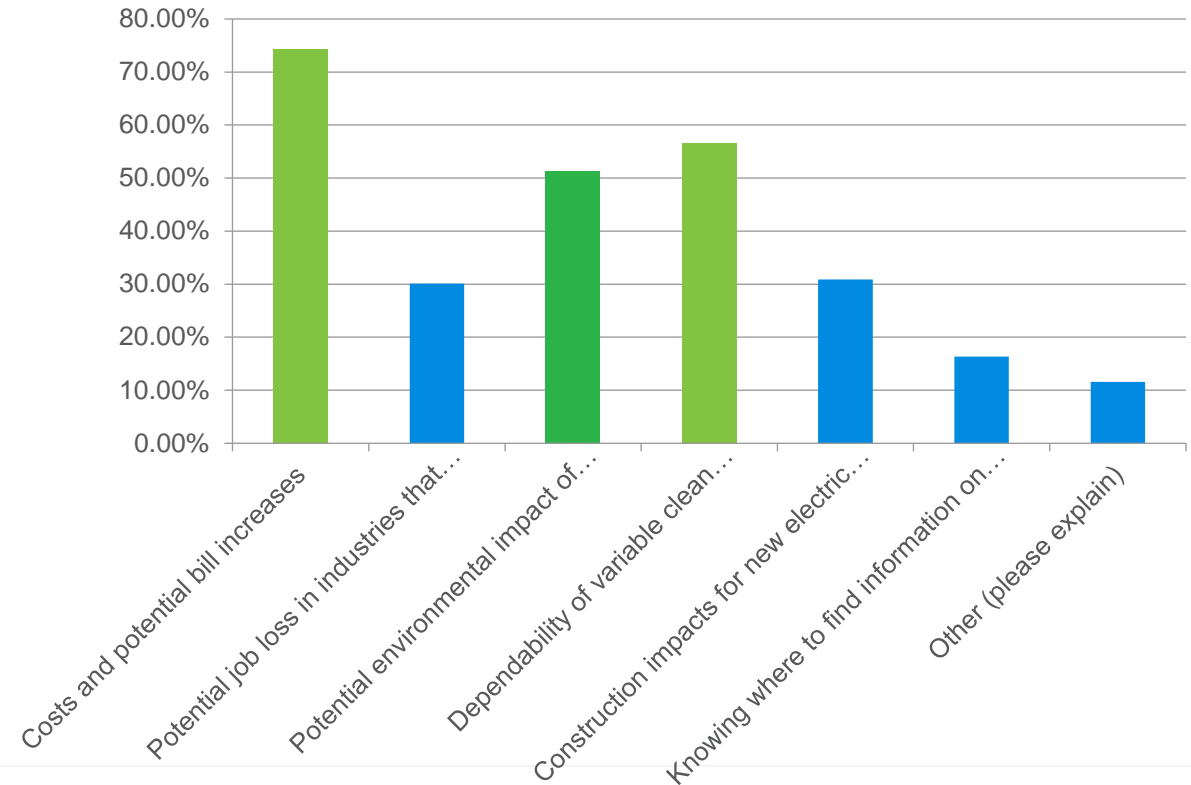
Benefits and Challenges

Common Themes:
 Climate Change/Environmental Impact
 Energy Cost (both benefit and challenge)
 Security/Dependability

Thinking about our transition to clean energy, what potential benefits do you think are most important? Please choose up to four.

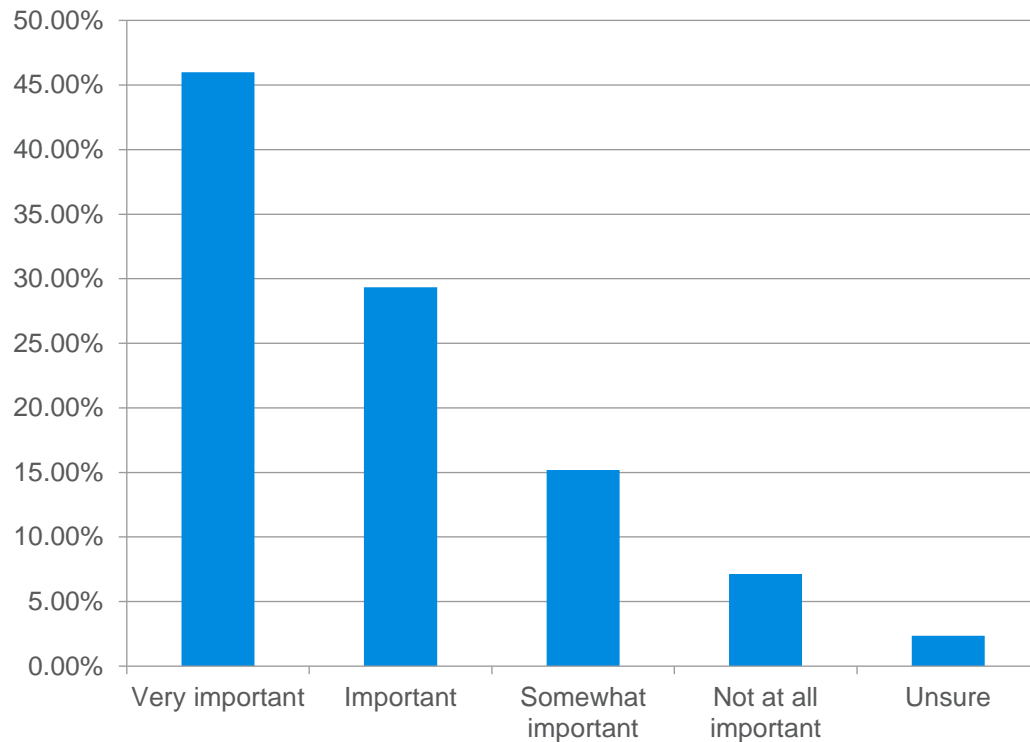


Thinking about our transition to clean energy, what potential challenges concern you most? Please choose up to four.



Survey Results - Public Health & Environment

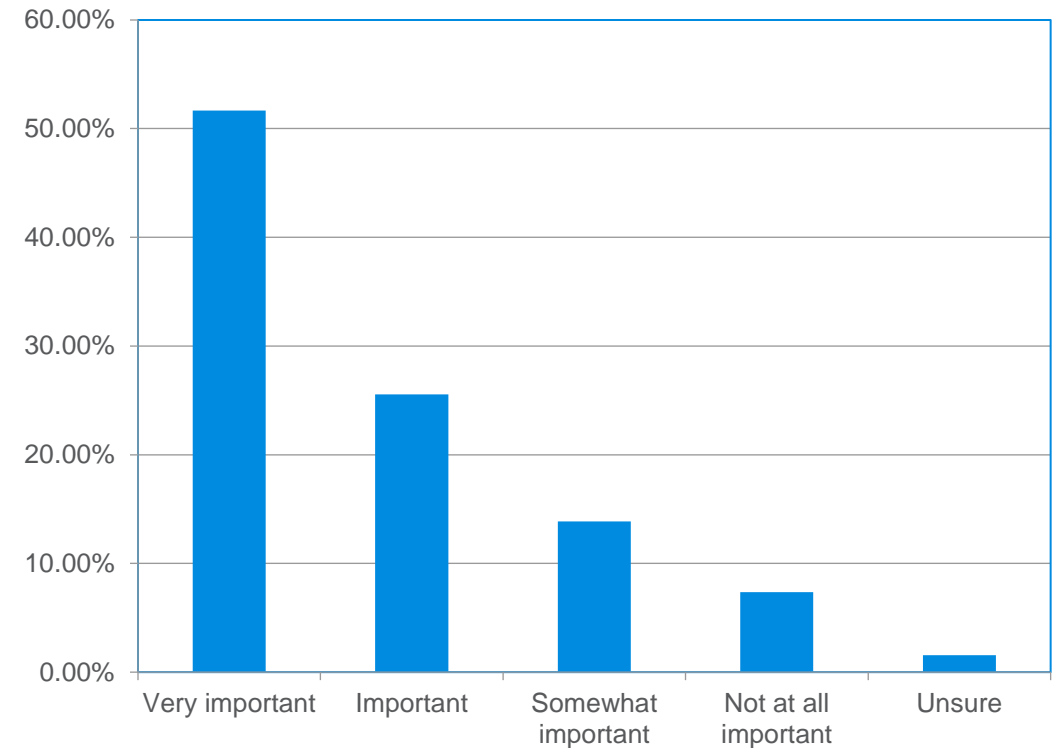
How important are public health benefits to you?



What Public Health benefits would you like to see from clean energy?

- Improved air quality
- Reduced Pollution
- Slowed Climate Change

How important are environmental benefits to you?

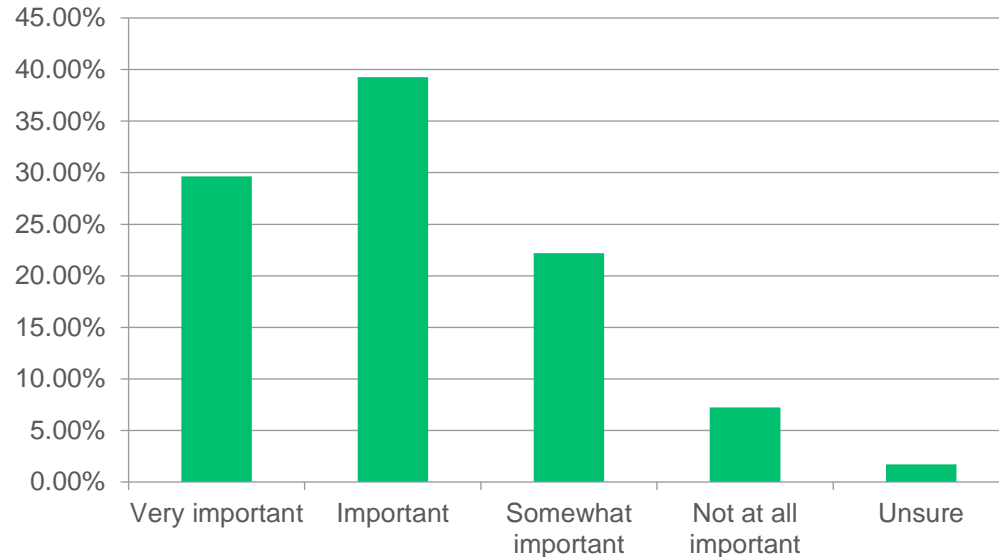


What Environmental benefits would you like to see from clean energy?

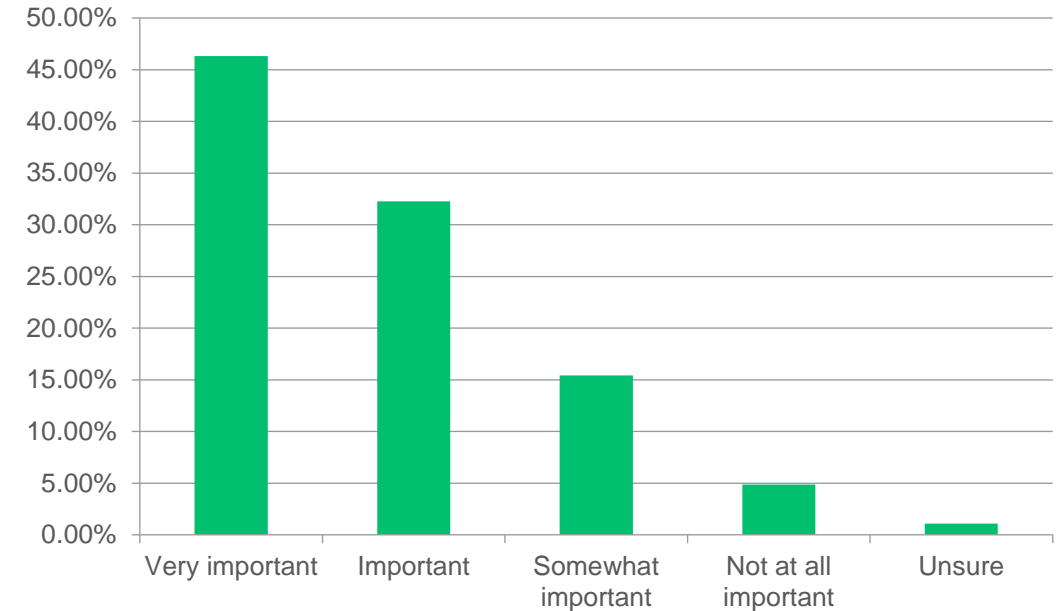
- Improved water and air quality
- Reduced GHG emissions
- Slowed Climate Change

Survey Results – Economic and Affordability

How important are economic benefits to you?



How important are affordability benefits to you?



What Economic would you like to see from clean energy?

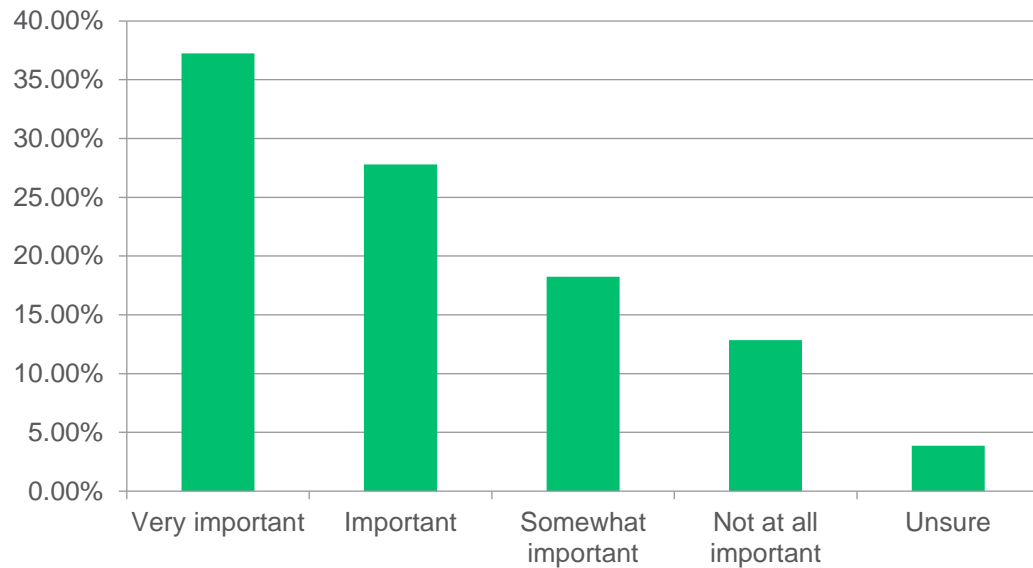
- Jobs
- Training
- Affordability

What affordability benefits would you like to see from clean energy?

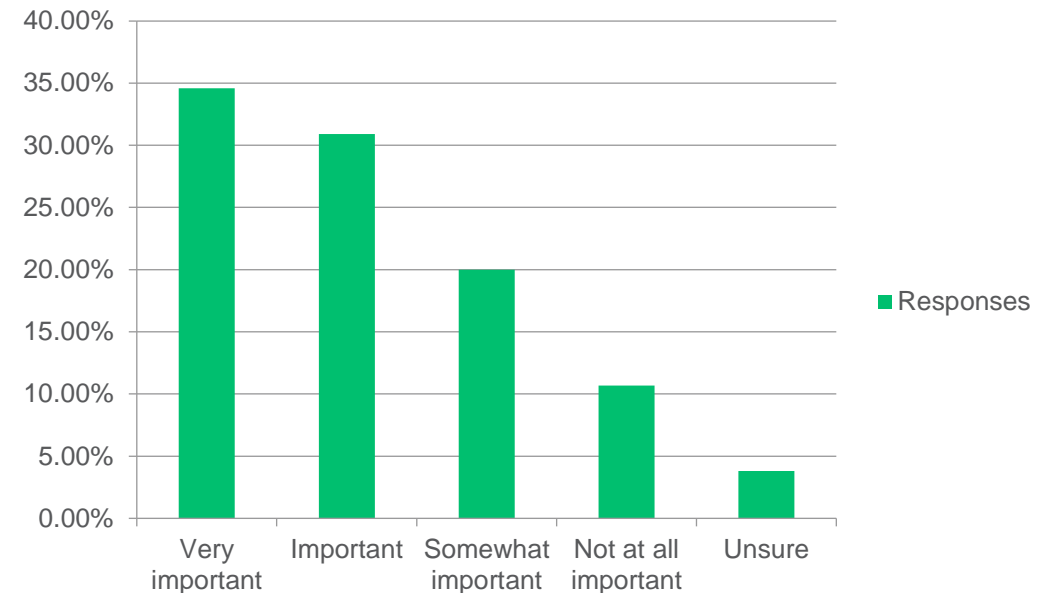
- Reduced Cost
- Cheaper electricity by solar and wind
- Incentives/Rebates/Awareness

Survey Results – Participation and Access

How important are clean electricity participation benefits to you?



How important are accessibility benefits to you?



How important are clean energy participation benefits to you?

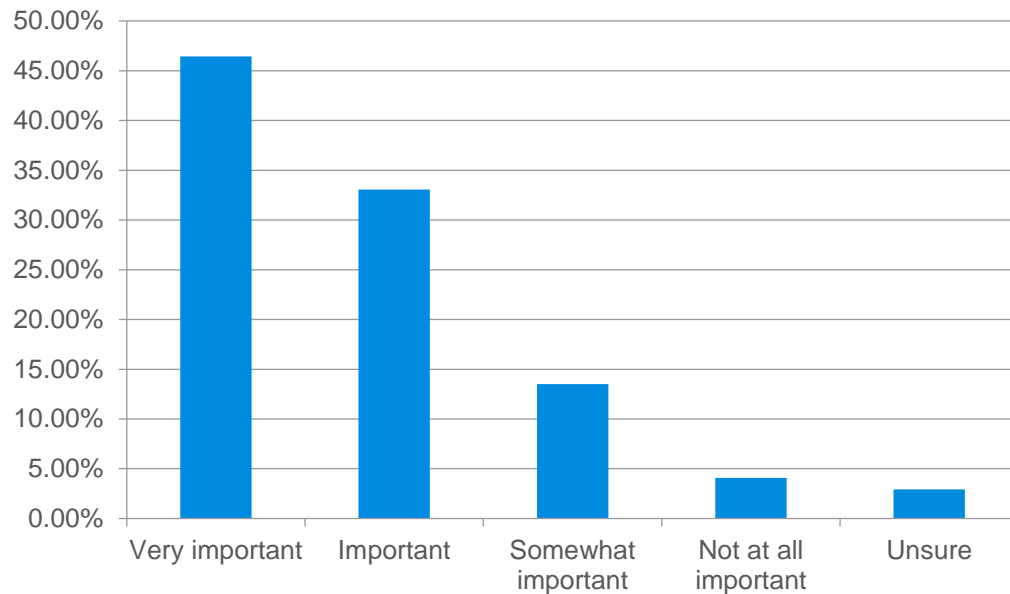
- Solar
- Wind
- Lower Cost

What Accessibility benefits would you like to see from clean energy?

- Solar
- Wind
- Affordability and Subsidies

Survey Results – Resiliency and Comfort

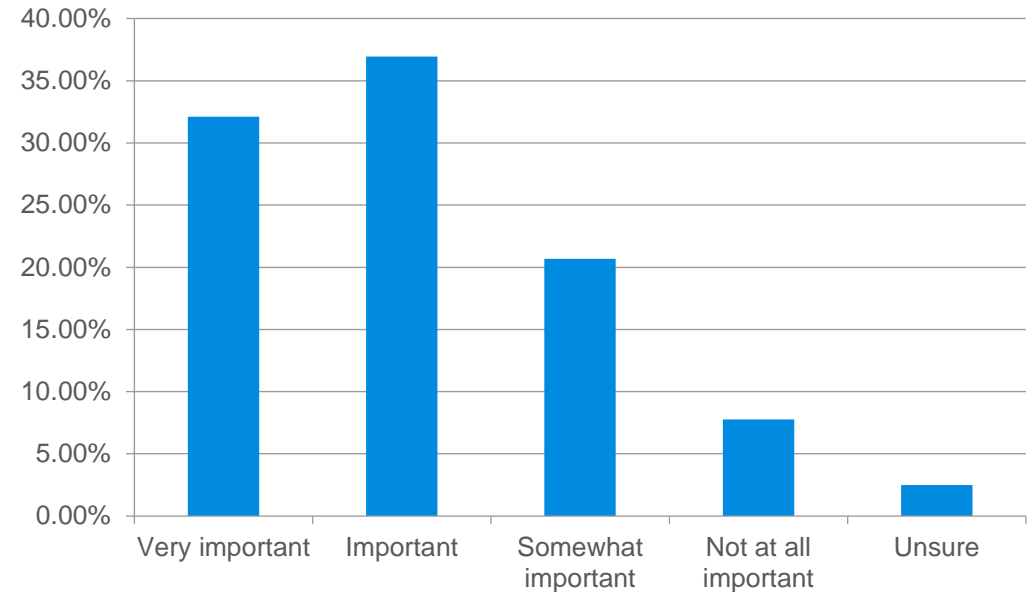
How important are energy resiliency benefits to you?



How important are resiliency benefits to you?

- Infrastructure
- Battery Backup
- Customer owned backup systems

How important are comfort and satisfaction benefits to you?



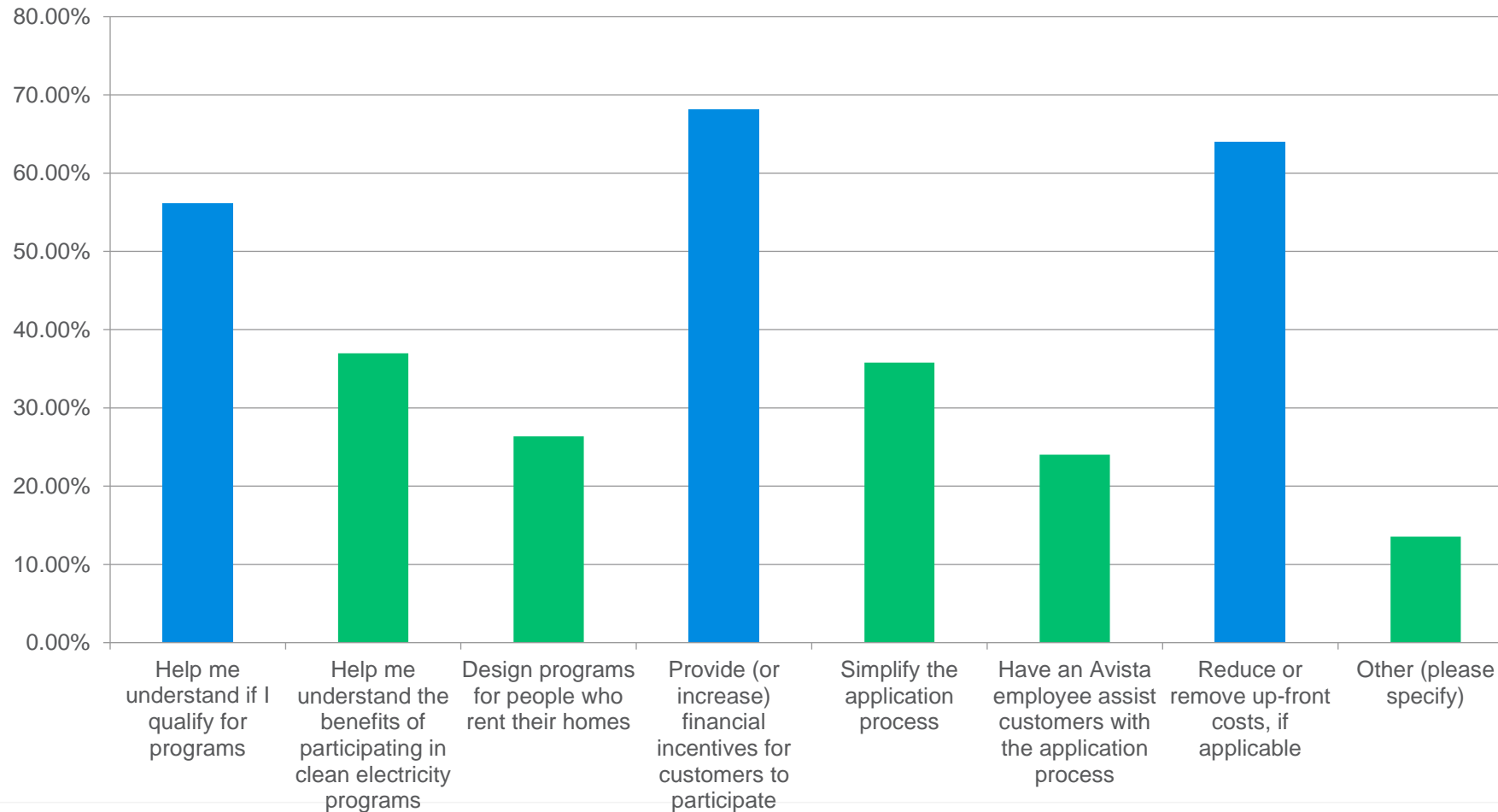
What comfort benefits would you like to see from clean energy?

- Affordability
- Accessibility
- Backup sources

Survey Results

How might we help you participation in clean energy

How can we help you (and others) participate in clean energy programs? Select all that apply.





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
 - 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



Participate in CEIP Meeting Series

- Ongoing – Quarterly as needed



Myavista.com/ceta



Comment Directly to Washington Utilities and Transportation Commission

- www.utc.wa.gov/consumers/submit-comment