Session Time: Tues., April 16, 2024, 09:00am

Equity Advisory Group

Washington Clean Energy Future

Avista Clean Energy Implementation Plan (CEIP) Customer Benefit Indicators (CBIs)

April 2024 | https://www.myavista.com/ceta

Introductions & Agenda

Topic	Topic Owner
Meeting Kickoff	Latisha Hill
Welcome & Introductions	Amber Lenhart
Overview of the Meeting: Rules and Intent	Amber Lenhart
Partner Shares	Partners
CETA / CEIP Overview	Kelly Dengel
CBI (Customer Benefit Indicators)	Kim Boynton
Wrap-up	Dan Blazquez

Guest Introductions

- ❑ Name
- ❑ Pronouns
- ❑ Organization or community

Today's Meeting
Equity Lens Session April 2024

Clean Energy Implementation Plan & Customer Benefit Indictors

Rules for Engagement

- ❑ Encouraged to actively participate in discussions
- ❑ Each member will be provided time to speak
- ❑ Healthy and civil debate is encouraged
- ❑ Members should be open to new ideas and concepts
- ❑ Respectful of differing opinions
- ❑ Collectively, the group should strive to align varying options (e.g., identify shared goals for different perspectives)

Partner Shares

- Upcoming relevant community events or opportunities
- Pressing issues facing our community or a need someone might be able to address
- Challenges your organization is facing (especially around equity)

CETA / CEIP Overview

Kelly Dengel, Clean Energy Project Manager

Clean Energy Transformation Act (CETA)

- Washington State Senate Bill 5116, passed by legislature in 2019
- All electric Washington utilities must reach 100% clean energy supply

2025 – Coal-Free Washington State
(All electric utilities must eliminate coal-fired generation serving Washington state customers.)

2030 – GHG-Neutral
(All electric utilities must be greenhouse gas neutral—for example, remaining carbon emissions are offset by renewable energy, energy efficiency, carbon reduction project investments, or payments funding low-income assistance.)

2045 – 100% Non-Emitting
(All electric utilities supply must be 100% renewable or be generated from zero carbon resources)

Clean Energy Transformation Act - Washington State Department of Commerce

CETA / CEIP Requirements

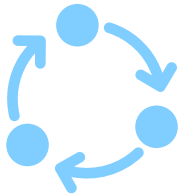
Clean Energy Transformation Act (CETA) Law – May 2019

Clean Energy Implementation Plan (CEIP) – Every 4 Years

Filed October 1, 2021, for 2022-2025 period

Clean Energy Progress Report – Annually

Filed June 29, 2023, for 2022 period



Biennial CEIP – Every Two Years, Except where a CEIP is required

Filed November 1, 2023

Clean Energy Implementation Plan

Clean Energy Implementation Plan (CEIP) 2022-2025

4-year plan establishing actions the utility will take to comply with CETA:

- **Interim & Specific Targets**
  - Clean energy
  - Energy efficiency
  - Demand response
- **Specific Actions**
  - Resource selection
  - Renewable resources
  - Energy efficiency
  - Demand response
  - Company specific actions – Named Community Investment Fund
- **Public participation plan**
- **Customer Benefit Indicators/Metrics**

Customer Benefit Indicators

Affordability

- Participation in Company Programs
- Households with High Energy Burden
- Residential Arrears & Disconnects

Energy Security & Resilience

- Energy Availability
- Energy Generation Location

Access to Clean Energy

- Methods/Modes of Outreach & Communication
- Transportation Electrification

Environmental

- Outdoor Air Quality
- Greenhouse Gas Emissions

Community Development

- Named Community Clean Energy
- Investments in Named Communities

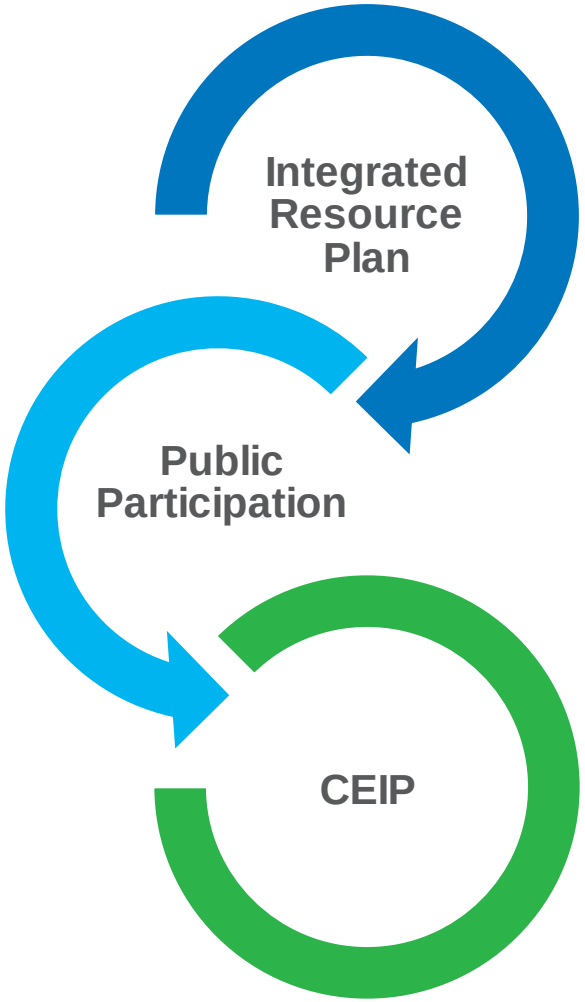
Public Health

- Employee Diversity
- Supplier Diversity
- Indoor Air Quality

Looking to the Future . . .

- Informs **2025 Electric Resource Plan** – Due January 1, 2025
  CBI metrics related to resource selection

- Informs the **2025-2029 CEIP** – Due November 1, 2025
  CBI metrics overall



Avista CEIP Map

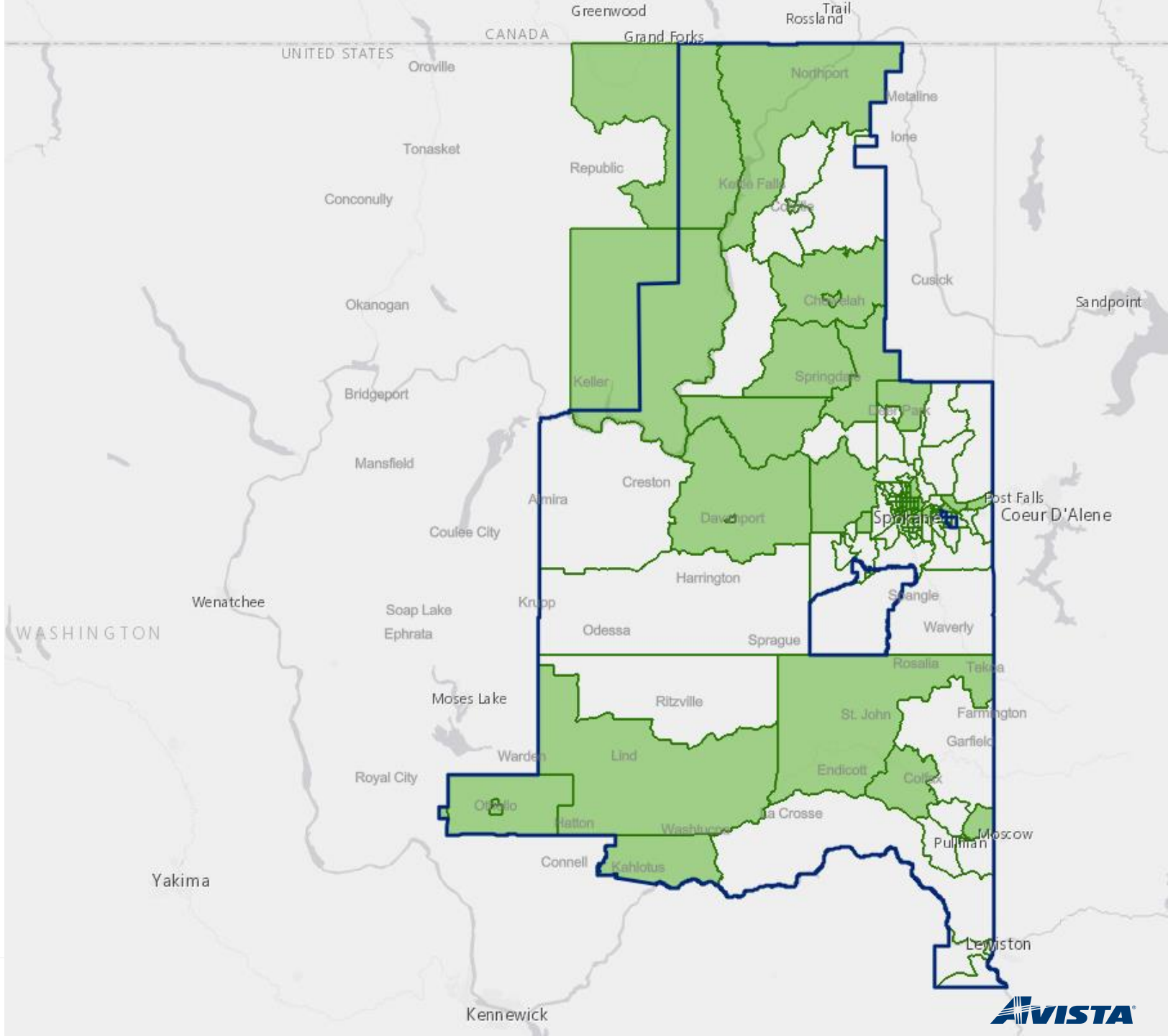
Legend

Avista CEIP Electric Service Area

Towns

Highly Impacted or Vulnerable Population

Avista CEIP Census Tracts



CBI (Customer Benefit Indicators) Overview

Kim Boynton

Customer Benefit Indicators

Affordability

- Participation in Company Programs
- Households with High Energy Burden
- Residential Arrears & Disconnects

Energy Security & Resilience

- Energy Availability
- Energy Generation Location

Access to Clean Energy

- Methods/Modes of Outreach & Communication
- Transportation Electrification

Environmental

- Outdoor Air Quality
- Greenhouse Gas Emissions

Community Development

- Named Community Clean Energy
- Investments in Named Communities

Public Health

- Employee Diversity
- Supplier Diversity
- Indoor Air Quality

What are the Equity Benefit Areas, and what do they mean?

Highlight an equity benefit area below to learn more

Affordability

CBIs include Participation in company programs, calculation of energy burden, and metrics related to arrears and disconnects

Energy Security/Resiliency

CBIs include metrics related to energy availability and energy generation location

Access to Clean Energy

CBIs include metrics methods and modes of outreach and communication, transportation electrification, and clean energy resources for Named Communities

Environmental

CBIs include metrics related to outdoor air quality and greenhouse gas emissions

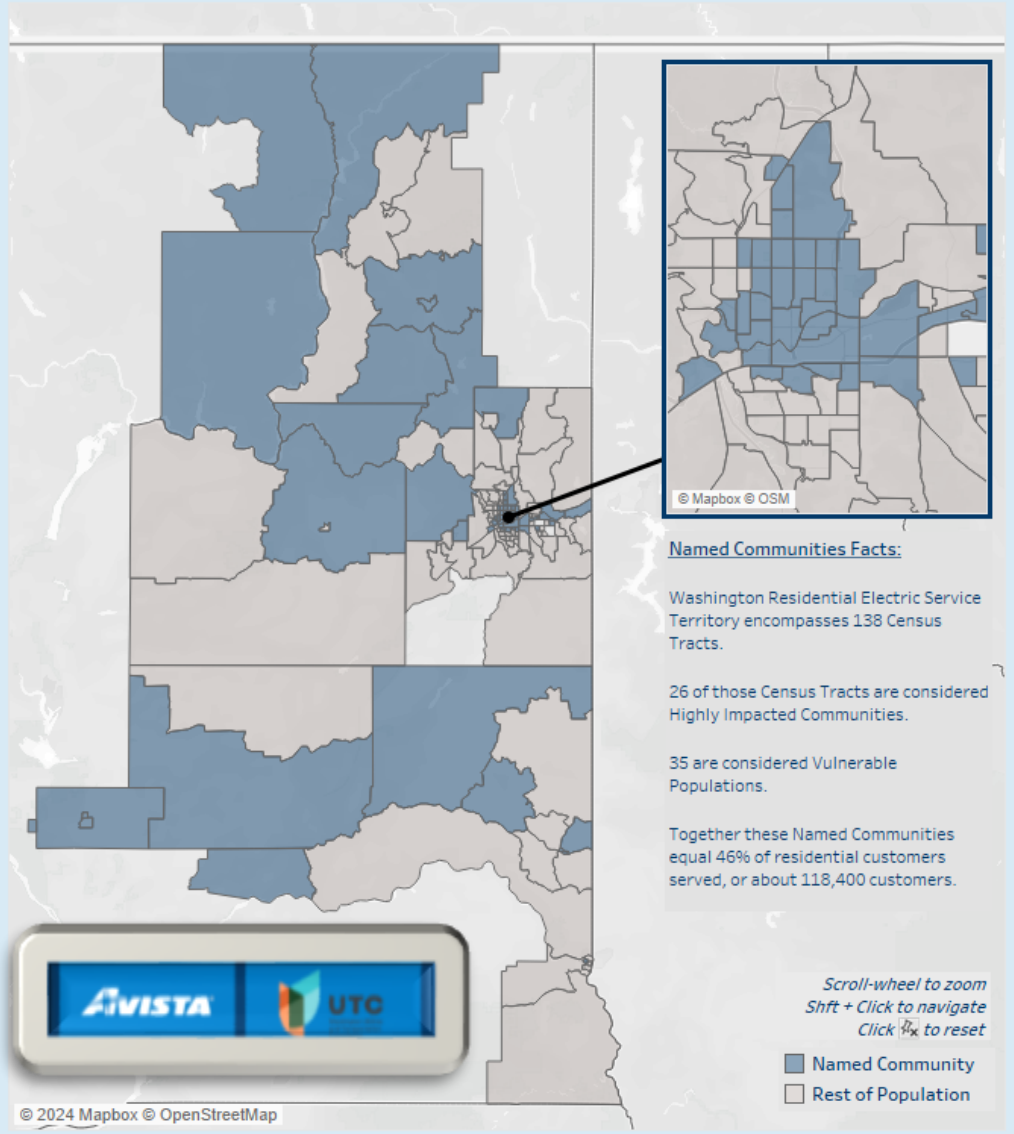
Community Development

CBIs include Investments in Named Communities

Public Health

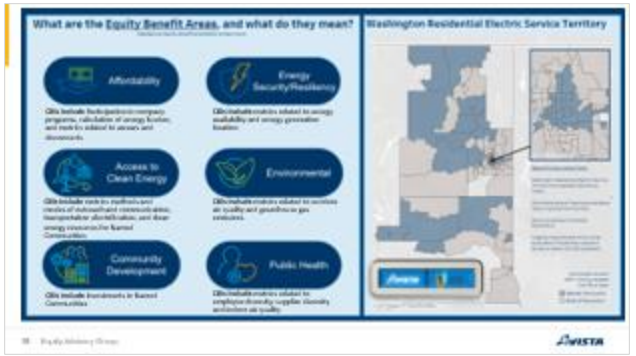
CBIs include metrics related to employee diversity, supplier diversity and indoor air quality

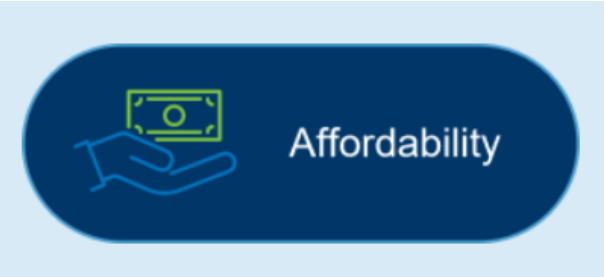
Washington Residential Electric Service Territory

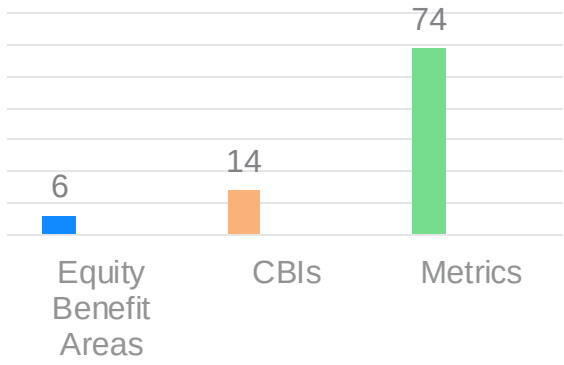


CBI Metrics: Relationship to CBIs

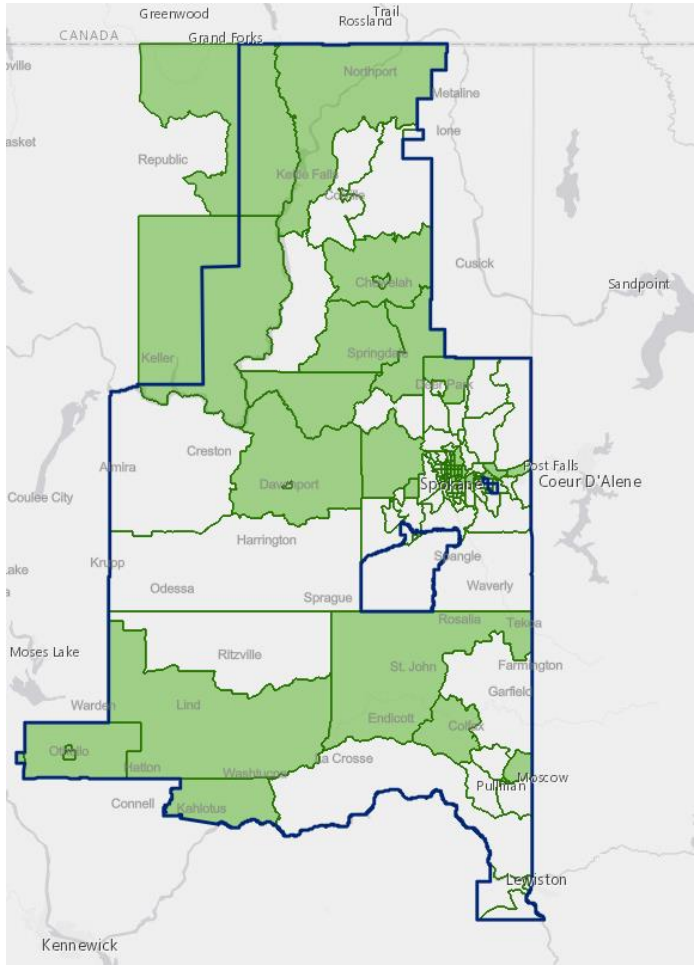
AFFORDABILITY	
CBI	CBI Metrics
(1) Participation in Company Programs	Participation in weatherization programs and energy assistance programs - ALL
	Participation in weatherization programs and energy assistance programs - Named Communities
	Saturation of energy assistance programs - ALL
	Saturation of energy assistance programs - Named Communities
	Residential appliance and equipment rebates provided to customers residing in Named Communities
	Residential appliance and equipment rebates provided to customers residing in rental units (Condition #17)
(2) Number of households with a High Energy Burden (>6%)	Number of households - All (Condition #18)
	Number of households - KLI (Condition #18)
	Number of households - Named Communities
	Percent of households - All
	Percent of households - KLI (Condition #18)
	Percent of households - Named Communities
	Average excess burden per household - ALL
	Average excess burden per household - KLI
	Average excess burden per household - Named Communities
(14) Residential Arrearages and Disconnections for Nonpayment	Number of residential electric disconnections for non-payment by month for Census Tracts(Condition #22)
	Number of residential electric disconnections for non-payment by month for KLI (Condition #22)
	Number of residential electric disconnections for non-payment by month for Vulnerable Populations (Condition #22)
	Number of residential electric disconnections for non-payment by month for Highly Impacted Communities(Condition #22)
	Number of residential electric disconnections for non-payment by month for All Customers (Condition #22)
	Percent of residential electric disconnections for non-payment by month for Census Tracts(Condition #22)
	Percent of residential electric disconnections for non-payment by month for KLI (Condition #22)
	Percent of residential electric disconnections for non-payment by month for Vulnerable Populations (Condition #22)
	Percent of residential electric disconnections for non-payment by month for Highly Impacted Communities(Condition #22)
	Percent of residential electric disconnections for non-payment by month for All Customers (Condition #22)
	Number of Residential arrearages by month for Census Tracts (Condition #22)
	Number of Residential arrearages by month for KLI (Condition #22)
	Number of Residential arrearages by month for Vulnerable Populations (Condition #22)
	Number of Residential arrearages by month for Highly Impacted Communities (Condition #22)
	Number of Residential arrearages by month for All Customers (Condition #22)
	Amount of past-due balances that are 30+, 60+, and 90+ days past due (Condition #22)
	Total amount of Arrearages (Condition #22)

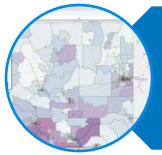






Analytics approach





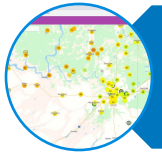
Align service territory data with DOH Health Disparities Map

- Highly Impacted Communities (HIC) - Prescriptive
- Vulnerable Populations (VP) – Methodology based

GIS Map created with layers for VP, HIC and Residential Electric Service Territory

Curated Database created for Utility Activity based on Residential Electric Households

Obtain 3rd Party Demographic data for all Active Residential Customers

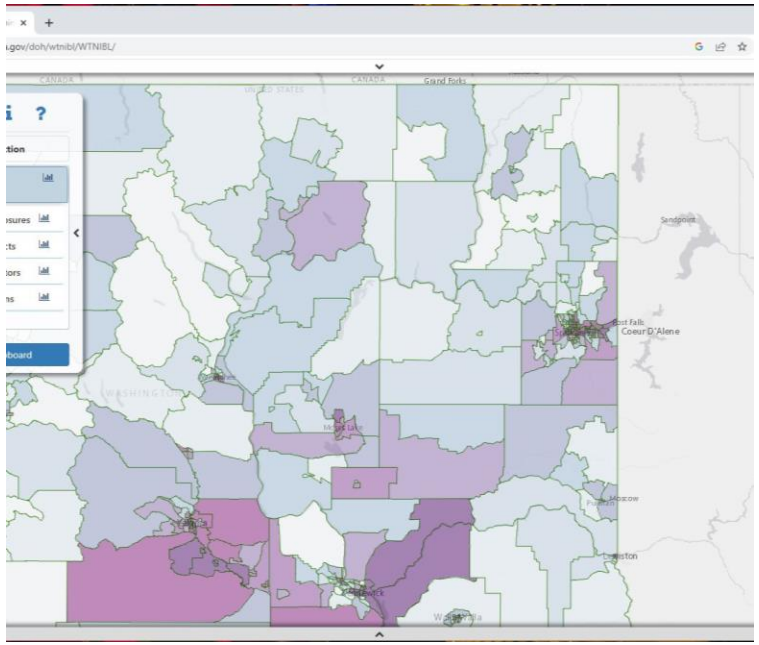


Identify datasets for remaining CBIs
e.g., Air Quality, Supplier and Employee Diversity

Develop Tableau Dashboard for all CBIs and Insights

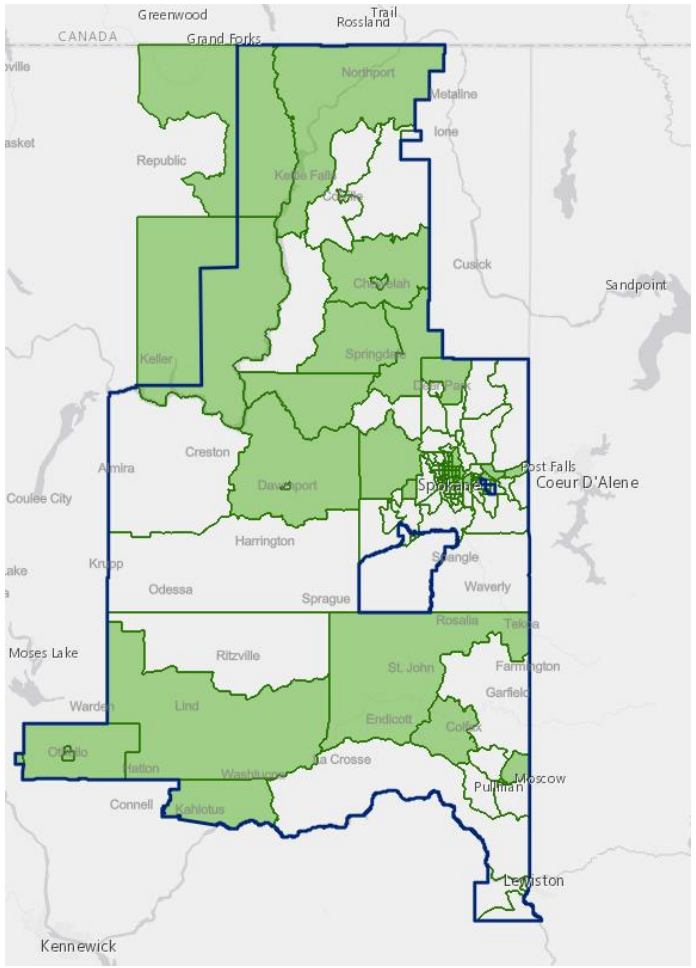
Special Thanks to Shana Gail, Rob Cloward, Scott Phipps & the Data Science Team for their efforts

Identification of Named Communities/Disadvantaged Communities



WA DOH Health Disparities Map

Federal Justice40 Map

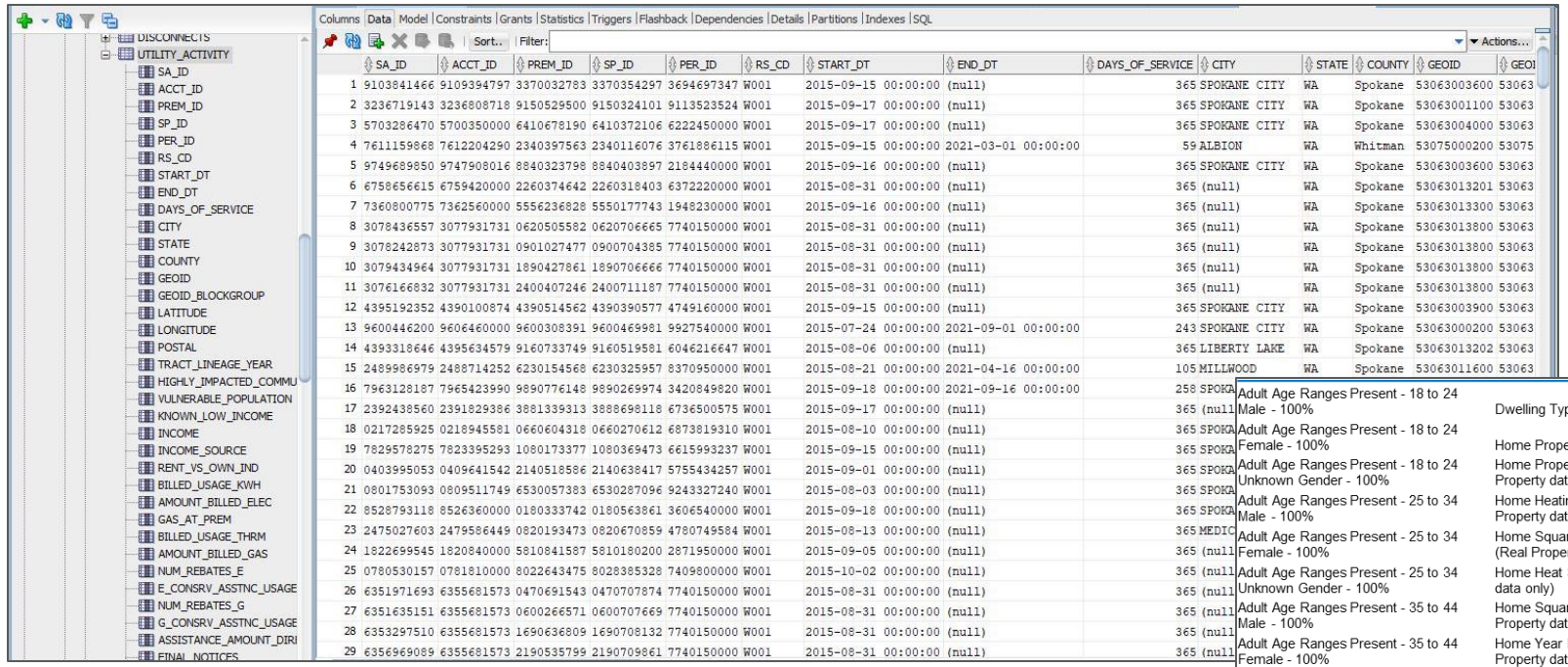


Avista WA Residential Elec Service Territory

Avista is overlapping the Justice40 Map with WA DOH Map

washington-environmental-health-disparities-map

Avista Named Communities Map



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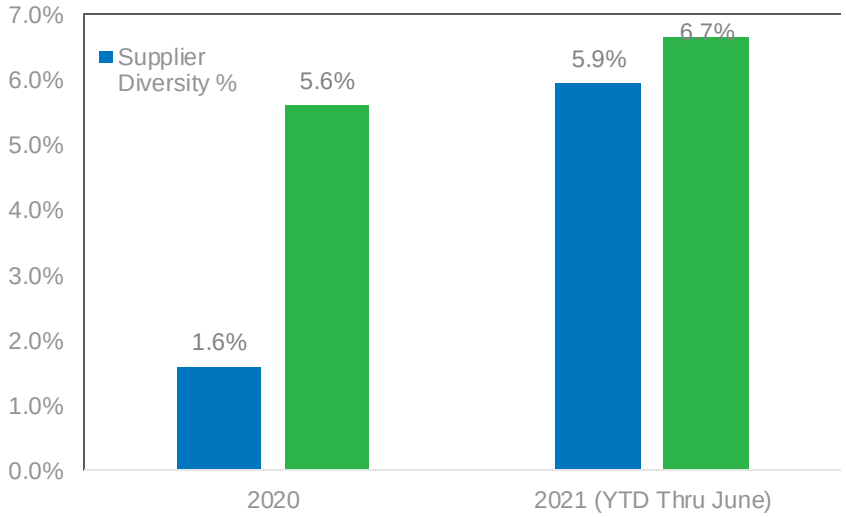
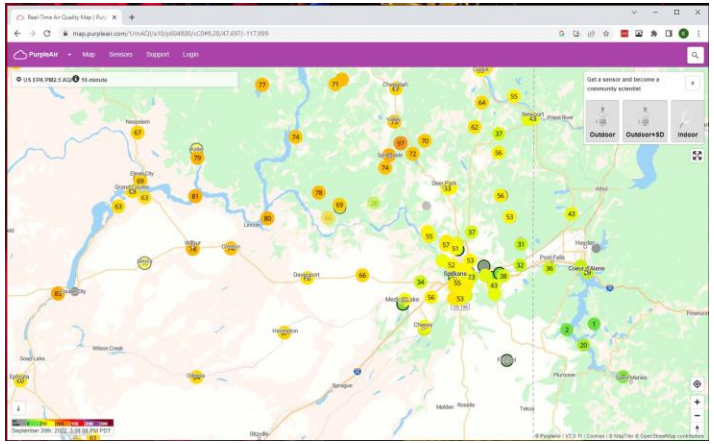
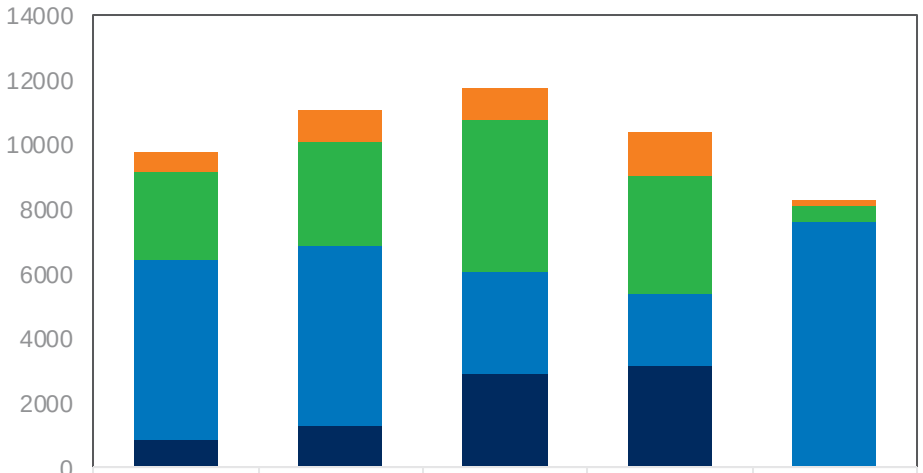
Adult Age Ranges Present - 18 to 24 Male - 100%	Dwelling Type	Energy Consumer Dynamics - Affordability Level Indicator	Adults - Number in Household - 100%
Adult Age Ranges Present - 18 to 24 Female - 100%	Home Property Type	Energy Consumer Dynamics - Affordability Level Score	Adults - Number in Household - 100% - Precision Level
Adult Age Ranges Present - 18 to 24 Unknown Gender - 100%	Home Property Type Detail (Real Property data only)	Energy Consumer Dynamics - Comfort Consumption Indicator	Household Size - 100%
Adult Age Ranges Present - 25 to 34 Male - 100%	Home Heating / Cooling (Real Property data only)	Energy Consumer Dynamics - Comfort Consumption Score	Household Size - 100% - Precision Level
Adult Age Ranges Present - 25 to 34 Female - 100%	Home Square Footage - Ranges (Real Property data only)	Energy Consumer Dynamics - Green Affinity Indicator	Marital Status in the Household - 100% - Precision Level
Adult Age Ranges Present - 25 to 34 Unknown Gender - 100%	Home Heat Source (Real Property data only)	Energy Consumer Dynamics - Green Affinity Score	Marital Status in the Household - 100%
Adult Age Ranges Present - 35 to 44 Male - 100%	Home Square Footage - Actual (Real Property data only)	Energy Consumer Dynamics - Indicator Count	Number of Children - 100%
Adult Age Ranges Present - 35 to 44 Female - 100%	Home Year Built - Actual (Real Property data only)	Energy Consumer Dynamics - Info Action Orientation Indicator	Number of Children - 100% - Precision Level
Adult Age Ranges Present - 35 to 44 Unknown Gender - 100%	Home Market Value - Estimated - Actual (Real Property data only)	Energy Consumer Dynamics - Info Action Orientation Score	Income - Estimated Household - Narrow Ranges - 100%
Adult Age Ranges Present - 45 to 54 Male - 100%	Socially Influenced	Energy Consumer Dynamics - Investment Capacity Indicator	Income - Estimated Household - Narrow Ranges - 100% - Precision Level
Adult Age Ranges Present - 45 to 54 Female - 100%	Heavy Facebook User	Energy Consumer Dynamics - Investment Capacity Score	Education - 1st Person in Household - 100%
Adult Age Ranges Present - 45 to 54 Unknown Gender - 100%	Heavy Twitter User	Energy Consumer Dynamics - Segment	Education - 1st Person in Household - 100% - Precision Level
Adult Age Ranges Present - 55 to 64 Male - 100%	Heavy LinkedIn User	Energy Consumer Dynamics - Technology Propensity Indicator	CRA Income Classification Code
Adult Age Ranges Present - 55 to 64 Female - 100%	Heavy YouTube User	Energy Consumer Dynamics - Technology Propensity Score	Home Length of Residence - 100%
Adult Age Ranges Present - 55 to 64 Unknown Gender - 100%	Text Poster	Consume Media Via a Cell Phone	Home Length of Residence - 100% - Precision Level
Adult Age Ranges Present - 65 to 74 Male - 100%	Photo Poster	Consume Media Via Daytime TV	Home Owner / Renter - 100%
Adult Age Ranges Present - 65 to 74 Female - 100%	Video Poster	Consume Media Via the Internet	Home Owner / Renter - 100% - Precision Level
Adult Age Ranges Present - 65 to 74 Unknown Gender - 100%	Post Responder	Consume Media Via Magazine	Social Influencer (Financial)
Adult Age Ranges Present - 75 or over Male - 100%	Business Fan	Consume Media Via Newspaper	Mobile Social Networker (Financial)
Adult Age Ranges Present - 75 or over Female - 100%	Gender - Person	Consume Media Via Outdoor Advertising	Geoscape - Overall Socioeconomic Status (SES) Index
Adult Age Ranges Present - 75 and over Unknown Gender - 100%	Race Code - Person	Consume Media Via Primetime TV	
Adult Age Ranges Present - 100% - Precision Level	E-Tech - Ethnicity Group Codes	Consume Media Via Radio	
	E-Tech - Language Preference	Consume Media Via Yellow Pages	

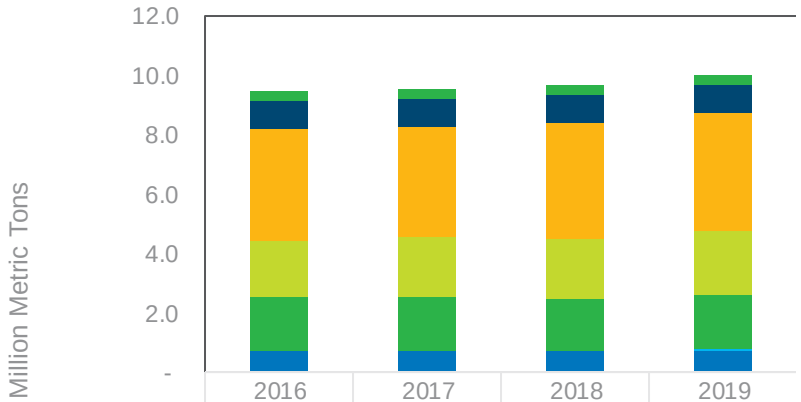
Identify Data Sources







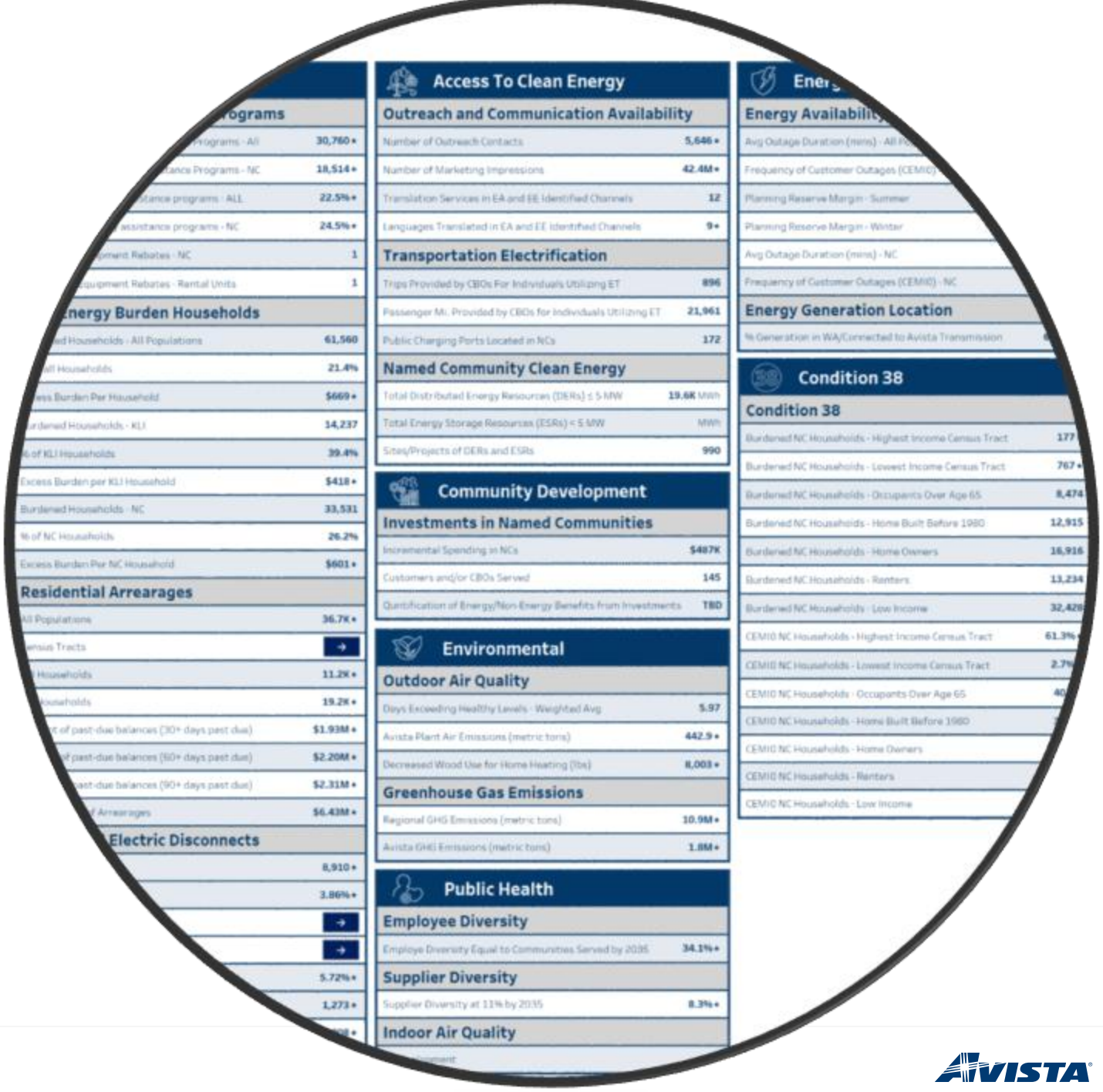
	2016	2017	2018	2019	2020
Workshops	619	1031	986	1401	224
Mobile	2745	3227	4702	3602	455
Outreach	5563	5560	3187	2289	7619
Energy Fairs	835	1270	2879	3101	0



	2016	2017	2018	2019
Waste Management	0.33	0.32	0.32	0.32
Agriculture	0.96	0.95	0.95	0.95
Transportation	3.76	3.71	3.89	3.95
Residential & Commerical Fuels	1.89	2.03	2.04	2.17
Electric Power Serving Washington	1.78	1.76	1.73	1.84
Electric Power Serving Idaho	0.01	0.01	0.01	0.01
Large Sources	0.73	0.74	0.73	0.75
Total	9.45	9.51	9.66	10.00

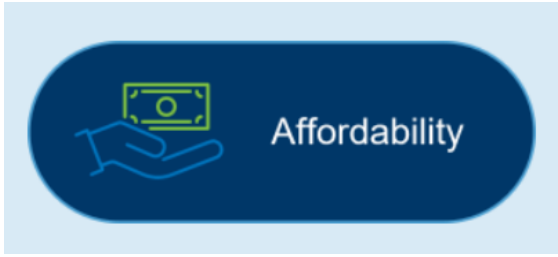
Examples of Additional data required: *Supplier Diversity, Employee Diversity, Outdoor Air Quality, Greenhouse Gas Emissions, Marketing Impressions, Translation services, Electric Vehicles Charging ports, Total MWh DER*

Avista CBI Dashboard



CBI Timeline & Deliverables

Affordability



Equity Benefit Area	CBI	#	CBI Metrics
Affordability (AFF)	(1) Participation in Company Programs	1	Participation in weatherization programs and energy assistance programs - ALL
		2	Participation in weatherization programs and energy assistance programs - Named Communities
		3	Saturation of energy assistance programs - ALL
		4	Saturation of energy assistance programs - Named Communities
		5	Residential appliance and equipment rebates provided to customers residing in Named Communities (Condition #17)
		6	Residential appliance and equipment rebates provided to customers residing in rental units (Condition #17)
Affordability (AFF)	(2) Number of households with a High Energy Burden (>6%)	1	Number of households - All
		2	Number of households - KLI (Condition #18)
		3	Number of households - Named Communities
		4	Percent of households - All
		5	Percent of households - KLI (Condition #18)
		6	Percent of households - Named Communities
		7	Average excess burden per household - ALL
		8	Average excess burden per household - KLI (Condition #18)
		9	Average excess burden per household - Named Communities

Affordability

Equity Benefit Area	CBI	#	CBI Metrics
Affordability (AFF)	(14) Residential Arrearages and Disconnections for Nonpayment	1	Number of residential electric disconnections for non-payment by month for Census Tracts(Condition #22)
		2	Number of residential electric disconnections for non-payment by month for KLI (Condition #22)
		3	Number of residential electric disconnections for non-payment by month for Vulnerable Populations (Condition #22)
		4	Number of residential electric disconnections for non-payment by month for Highly Impacted Communities(Condition #22)
		5	Number of residential electric disconnections for non-payment by month for All Customers (Condition #22)
		6	Percent of residential electric disconnections for non-payment by month for Census Tracts(Condition #22)
		7	Percent of residential electric disconnections for non-payment by month for KLI (Condition #22)
		8	Percent of residential electric disconnections for non-payment by month for Vulnerable Populations (Condition #22)
		9	Percent of residential electric disconnections for non-payment by month for Highly Impacted Communities(Condition #22)
		10	Percent of residential electric disconnections for non-payment by month for All Customers (Condition #22)
		11	Number of Residential arrearages by month for Census Tracts (Condition #22)
		12	Number of Residential arrearages by month for KLI (Condition #22)
		13	Number of Residential arrearages by month for Vulnerable Populations (Condition #22)
		14	Number of Residential arrearages by month for Highly Impacted Communities (Condition #22)
		15	Number of Residential arrearages by month for All Customers (Condition #22)
		16	Amount of past-due balances that ar 30+, 60+, and 90+ dasy past due (Condition #22)
		17	Total amount of Arrearages (Condition #22)

Clean Energy & Community Development

Equity Benefit Area	CBI	#	CBI Metrics
Access to Clean Energy (ATCE)	(3) Availability of Methods/Modes of Outreach and Communication	1	Number of outreach contacts
		2	Number of marketing impressions
		3	Number of translation services provided in Energy Access and Energy Efficiency identified channels. (Condition #19)
		4	Number of unique languages translated in Energy Access and Energy Efficiency identified channels (Condition #19)
Access to Clean Energy (ATCE)	(4) Transportation Electrification	1	Number of trips provided by Community Based Organizations (CBOs) for individuals utilizing electric transportation
		2	Number of annual passenger miles provided by CBOs for individuals utilizing electric transportation
		3	Number of public charging stations located in Named Communities
Access to Clean Energy (ATCE)	(5) Named Community Clean Energy	1	Total MWh of distributed energy resources 5 MW and under (Condition #26)
		2	Total of MWh of energy storage resources under 5 MW (Condition #26)
		3	Number of sites/projects of distributed renewable energy resources and energy storage resources (Condition #26)
Community Development (CD)	(6) Investments in Named Communities	1	Incremental spending each year In Named Communities
		2	Number of customers and/or CBOs served
		3	Quantification of energy/non-energy benefits from investments (if applicable)

Security, Environmental, Public Health

Equity Benefit Area	CBI	#	CBI Metrics
Energy Security (ES)	(7) Energy Availability	1	Average outage duration - ALL
		2	Average outage duration - in Named Communities
		3a	Planning Reserve Margin (Resource Adequacy) - Summer
		3b	Planning Reserve Margin (Resource Adequacy) - Winter
		4	Frequency of customer outages - CEMI0 in Named Communities (Condition #21)
		5	Frequency of customer outages - CEMI0 in ALL (Condition #21)
Energy Security (ES)	(8) Energy Generation Location	1	Percent of generation located in Washington or connected to Avista transmission
Environmental (ENV)	(9) Outdoor Air Quality	1	Weighted average days exceeding healthy levels
		2	Avista plant air emissions
		3	Decreased wood use for home heating (Condition #20)
Environmental (ENV)	(10) Greenhouse Gas Emissions	1	Regional GHG emissions
		2	Avista GHG Emissions
Public Health (PH)	(11) Employee Diversity	1	Employee diversity equal to communities served by 2035
Public Health (PH)	(12) Supplier Diversity	2	Supplier Diversity at 11 percent by 2035
Public Health (PH)	(13) Indoor Air Quality	3	In development

Condition 38 (Housing Affordability/Reliability)

Equity Benefit Area	CBI	#	CBI Metrics
Condition 38 (CND38)	Condition 38 (2x5)	1	Number of Named Community Households with high energy burden from NC Census tract with highest median income
		2	Number of Named Community Households with high energy burden from NC Census tract with lowest median income
		3	Number of Named Community Households with high energy burden that have occupants over the age of 65
		4	Number of Named Community Households with high energy burden where home year built is < 1980
		5	Number of Named Community Households with high energy burden that are home owners
		6	Number of Named Community Households with high energy burden that are renters
		7	Number of Named Community Households with high energy burden that are low income
		8	Percent of Named Community Households with CEMI0 from NC Census tract with highest median income
		9	Percent of Named Community Households with CEMI0 from NC Census tract with lowest median income
		10	Percent of Named Community Households with CEMI0 that have occupants over the age of 65
		11	Percent of Named Community Households with CEMI0 where home year built is < 1980
		12	Percent of Named Community Households with CEMI0 that are home owners
		13	Percent of Named Community Households with CEMI0 that are renters
		14	Percent of Named Community Households with CEMI0 that are low income

Q&A

Thank you~

Thank you!

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