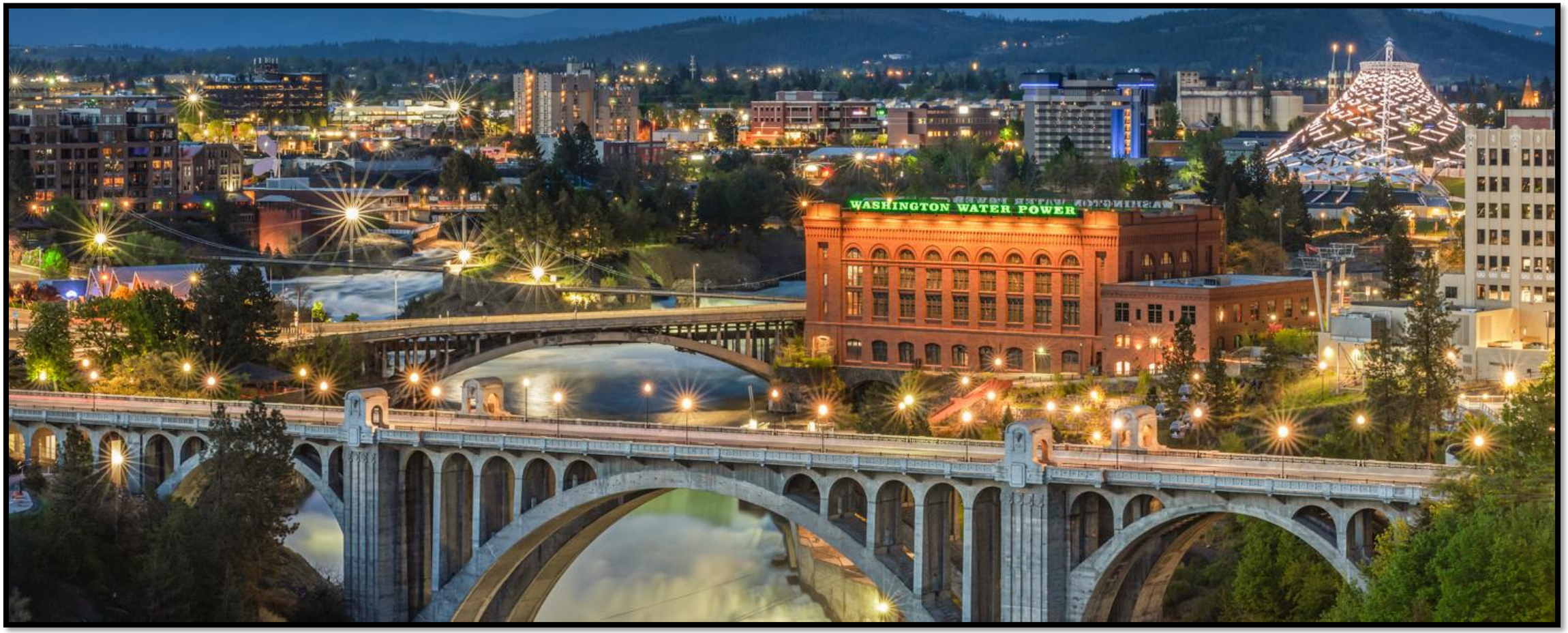
Clean Energy Implementation Plan

Investing in our Communities

December 12th, 2023 - Public Participation Meeting

Community Partnerships



Agenda

Topic	Speaker
Introduction | Welcome	Tamara Bradley, Manager of Social Impact
Community Message	Latisha Hill, VP Community Affairs & Chief People Officer
Named Communities Investment Fund	Kristine Meyer, Executive Director Avista Foundation Ana Matthews, Senior Energy Efficiency Manager
Connected Communities Project	Stephanie Myers, Energy Delivery Technology Manager
Transportation Electrification	Rendall Farley, Manager of Electric Transportation
Close	Tamara Bradley, Manager of Social Impact

Alignment to CEIP – CBIs

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

Named Communities Investment Fund

Kristine Meyer & Ana Matthews

Named Communities Investment Fund

- Specific Action dedicated to the equitable distribution of energy and non-energy benefits and reduction in burdens to Named Communities
- Funding is limited to 1% or approximately $5.0 million of electric revenues, annually

$2M
Supplement Energy Efficiency

$1M
Investments in Distribution Resiliency

$1M
Incentives & Grants for customers or third parties

$500,000
Outreach & Engagement

$500,000
Other Projects, Programs or Initiatives

Energy Efficiency NCIF

The cleanest energy is the energy that is never used.

Up to $2M

Supplement and support **energy efficiency** efforts targeted to Named Communities

- Community Identified Projects
- Multifamily Building Split Incentive
- Health & Safety for Manufactured & Mobile Homes
- Named Community Single Family Weatherization
- Community & Small Business Energy Efficiency

NCIF Process

Advisory

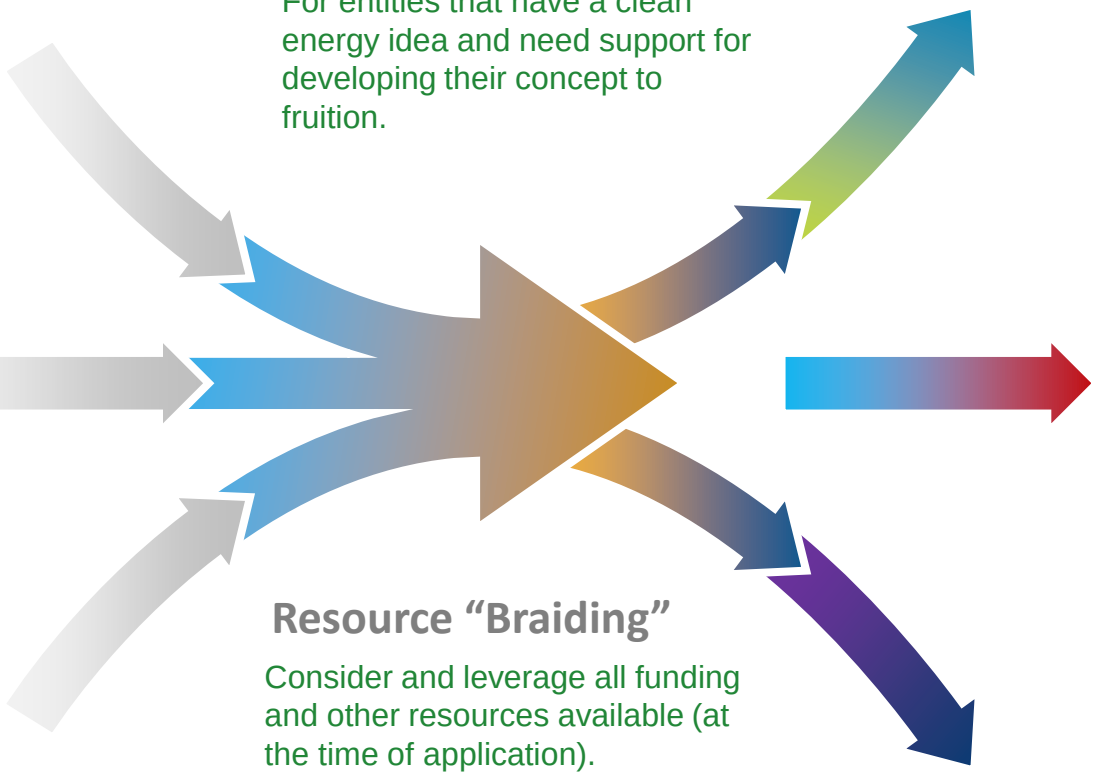
Confer with assembled advisory groups for equity, energy efficiency and assistance, etc. for guidance in program design and implementation. Engage customers through public participation.

Support/Guidance

For entities that have a clean energy idea and need support for developing their concept to fruition.

Community & Business

Application process open to interested parties to submit proposals for funding



Outputs + Results

Programs and projects that are designed to ensure equitable transformation for all customers, with committed focus for those residing in Named Communities

Resource “Braiding”

Consider and leverage all funding and other resources available (at the time of application).

Existing Relationships/Channels

Internal and external interested individuals and/or parties make proposals through established channels or connections

Factors for NCIF Consideration

Equity

- Affordability
- Access to Clean Energy
- Community Development
- Energy Security
- Environmental
- Public Health

Customer Benefit Indicators

(1) Participation in Company Programs
(2) Number of households with a High Energy Burden (>6%)
(3) Availability of Methods/Modes of Outreach and Communication
(4) Transportation Electrification
(5) Named Community Clean Energy
(6) Investments in Named Communities
(7) Energy Availability
(8) Energy Generation Location
(9) Outdoor Air Quality
(10) Greenhouse Gas Emissions
(11) Employee Diversity
(12) Supplier Diversity
(13) Indoor Air Quality

Implementation Plan Specific Actions

- Community Identified Project
- Multifamily Building Split Incentive
- Health & Safety for manufactured and mobile home
- Single Family Weatherization
- Community Energy Assistance
- Small Business Energy Assistance

Equity Advisory Group Initiatives

Energy Efficiency in Named Communities
(1) Improved awareness and energy efficiency for Spokane Tribe, multi-family and manufactured homes
(2) Increased Tree Canopy
(3)Increased access to products and appliances
(4) Increased awareness and engagement in EE programs
(5) Matching funds for EE grant applications
(6) Improved EE for those without stable housing

Named Communities Projects in 2023

Affordability

Community Development

Renovation of community food pantry in Stevens County

Named Communities Projects in 2023

Affordability

Community Development

Renovation of affordable housing complex in Spokane County

Replacement of Packaged Thermal Air Conditioners in affordable housing complex in Spokane County

Named Communities Projects in 2023

Community Development

Photo credit: The Lunch Box | Human Resources

Job skills program for women moving out of homelessness

Named Communities Projects in 2023

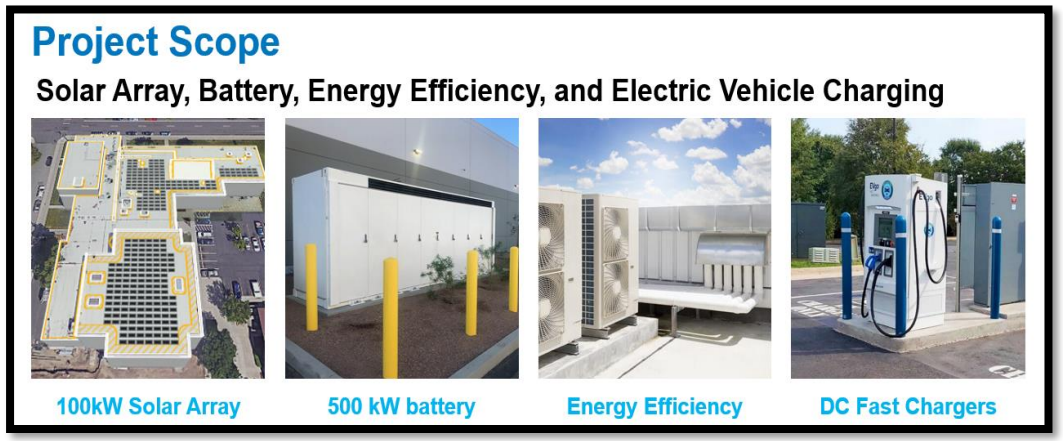
Photo Credit: Spokane Journal of Business

Partnership with community action agency to provide energy efficiency upgrades in Spokane County Mobile Home Co-op and manufactured homes in Census Block with high portion of low-income

Duct sealing for manufactured and mobile homes in Stevens, Ferry and Pend Oreille counties

Named Communities Projects in 2023

Spokane Tribe's Tribal Administrative Building: support for grant submission for Clean Energy Fund to conduct energy efficiency and decarbonization.



Spokane East Central MLK Community Center: solar with battery storage systems, energy efficiency, EV charging along with and educational and outreach for the neighborhood residents about the benefits of the project to support critical needs during mass outages.

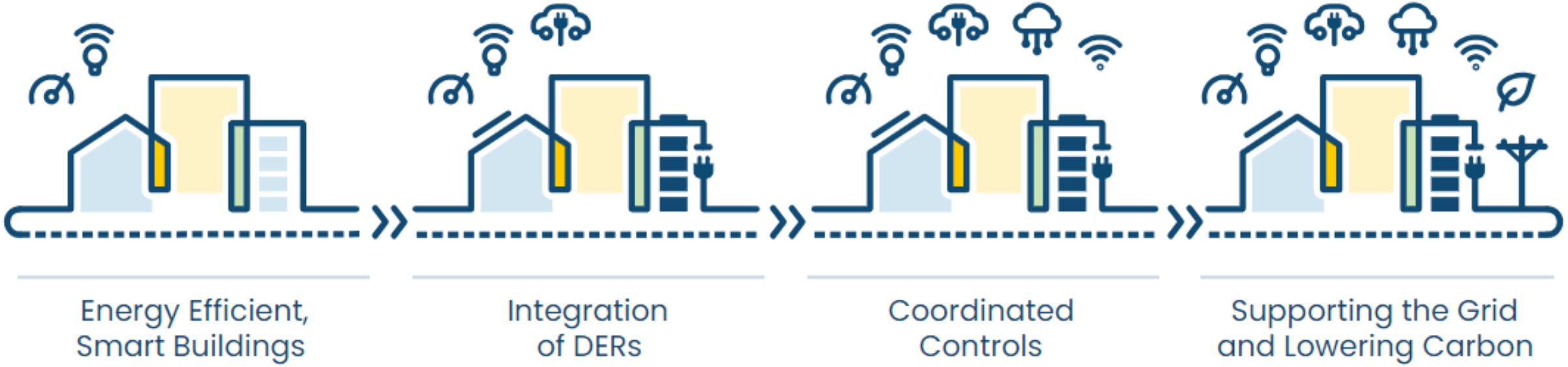
Connected Communities

Stephanie Myers

Connected Communities

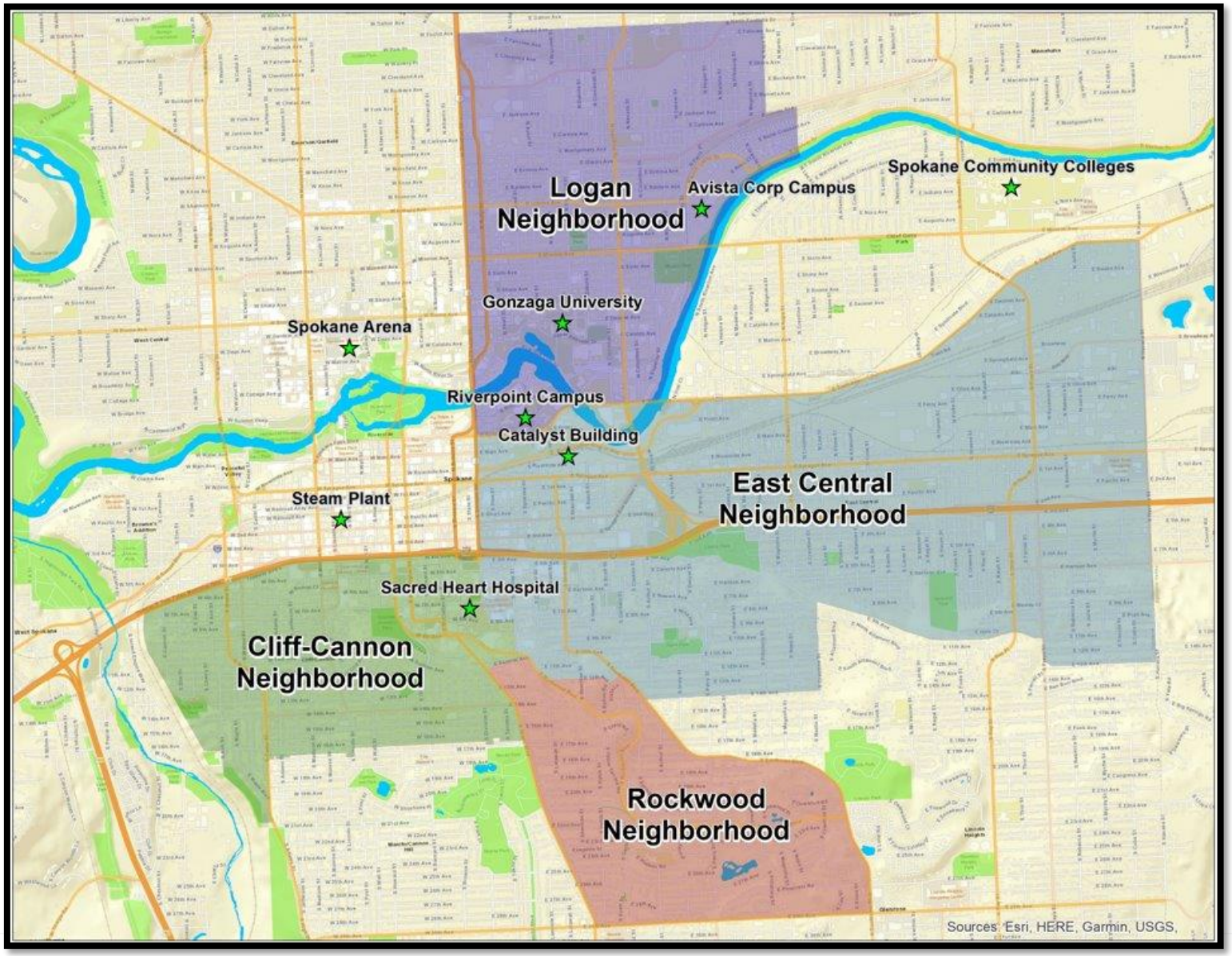
U.S. DEPARTMENT OF ENERGY

A group of grid-interactive efficient buildings (GEBs) with diverse, flexible end use equipment and other distributed energy resources (DERs) that collectively work to maximize building, community, and grid utilization while meeting occupants' comfort and needs



AVISTA

Connected Communities



- ✓ **Focused on one substation** nearing capacity (3rd & Hatch)
- ✓ **Engage 75-125 customers**
  - ✓ Residential, multitenant, SMB, C&I
- ✓ **The project will unlock:**
  - ✓ 1.0 - 2.25 MW of flexibility using buildings & DERs
  - ✓ Save up to 900 MWh/yr from EE measures
  - ✓ Reduce emissions by up to 650,000 lb CO_2e/yr
- ✓ **Playbooks to scale**

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Environmental

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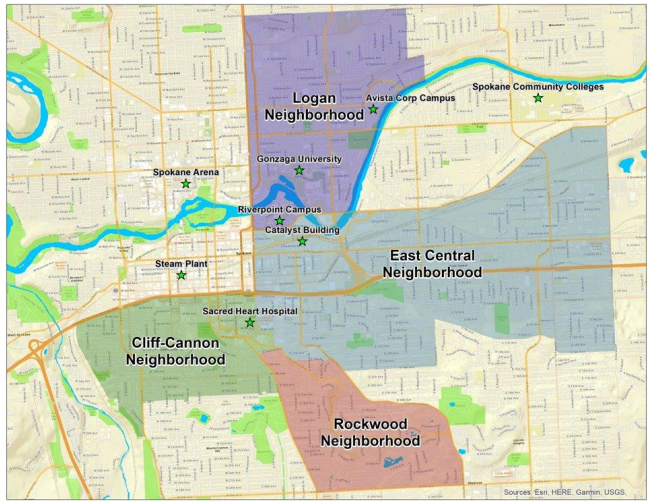
Community Development

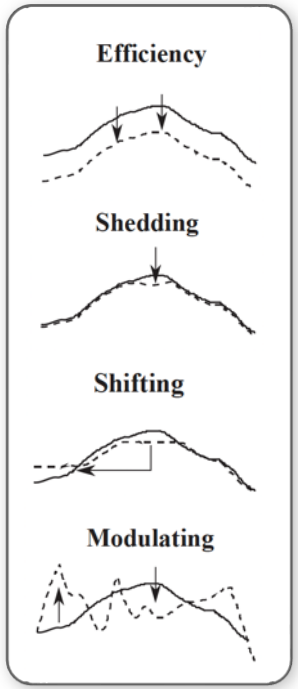
- Named Community Clean Energy
- Investments in Named Communities

How will the program work?

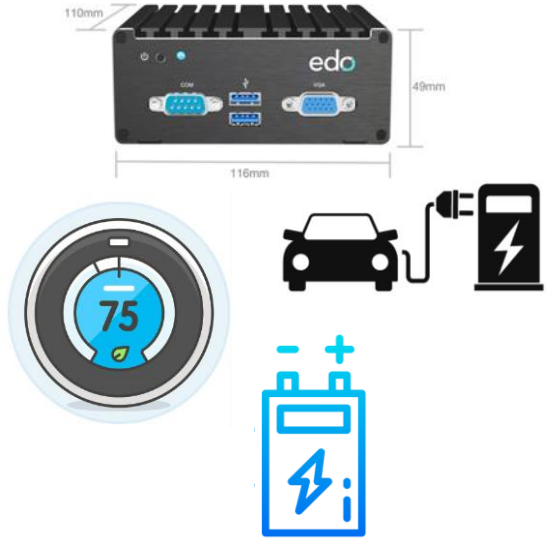
Target Opportunities



Identify Grid Needs



Customer Participation



Timeline

Goals of the Program:
1. 320,000 – 650,000 lb CO2 annually
2. 1 MW – 2.25 MW demand flexibility
3. 440 – 900 MWh annual energy savings

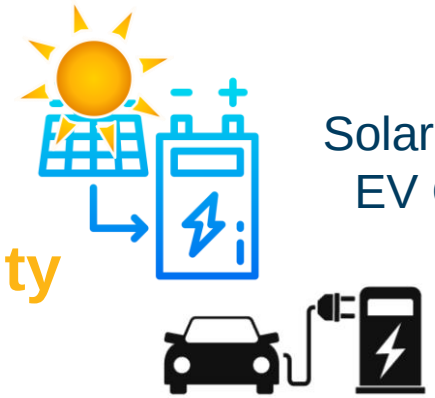
December 2023
Commission Approval

Recruit customers
Install equipment

Evaluate customer feedback
Evaluate program performance
Develop a strategy for scaling

Proposed Customer Programs

Community



Solar + Storage
EV Charging

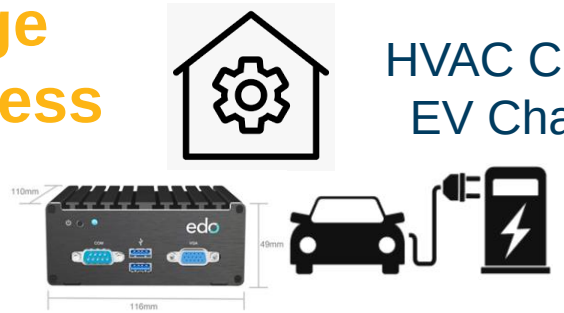
Small Business

Lighting
Smart Thermostat
Weatherization

Residential

Weatherization
Smart Thermostat
Heat Pump
Battery

Large Business

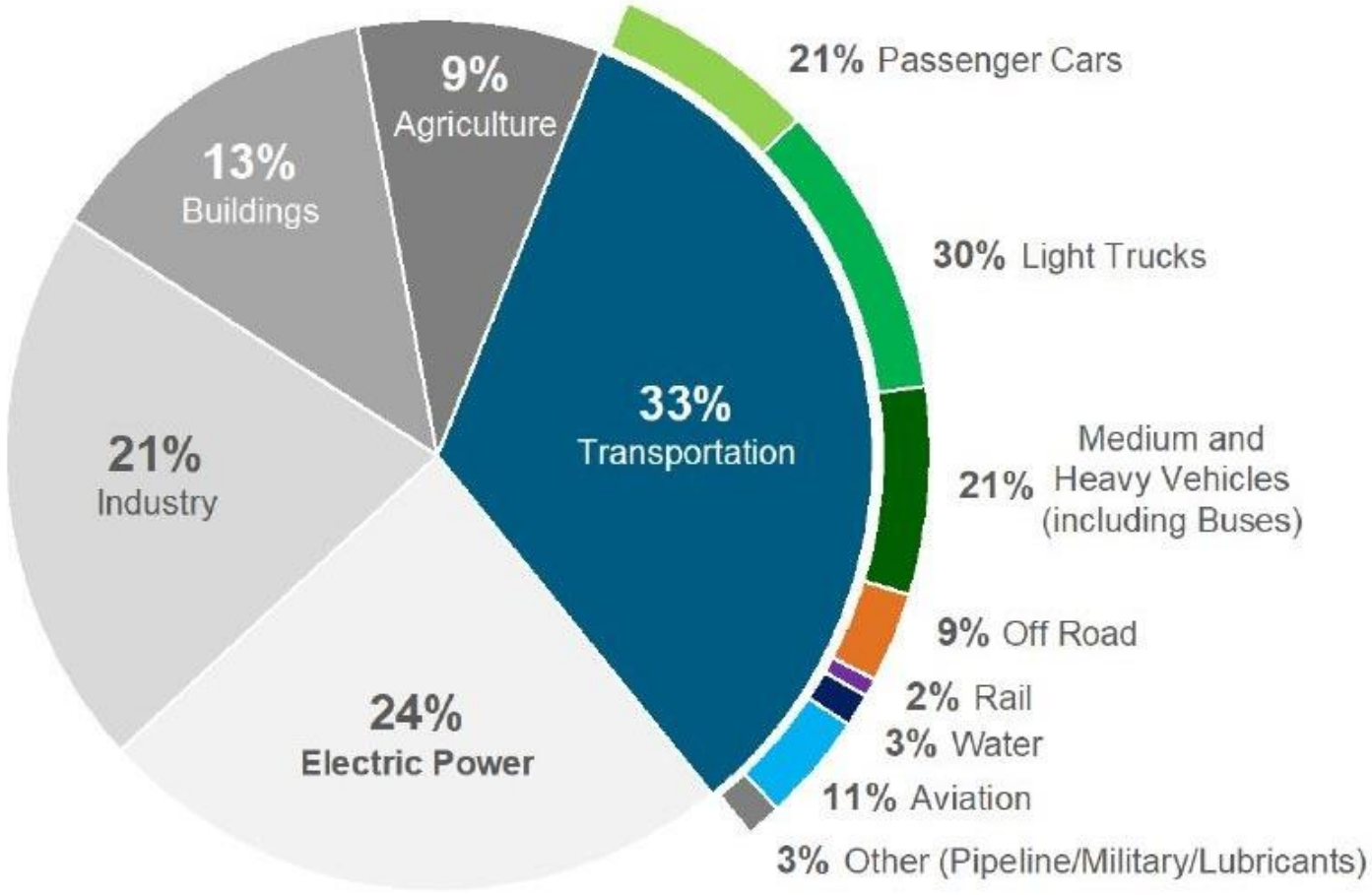


HVAC Controls
EV Charging

Transportation Electrification

Rendall Farley

Electric Transportation – a better energy future!



Source: National Renewable Energy Lab, U.S Greenhouse gas emissions (2019)

Advanced Fleet Conversion Savings Estimator & Charging Planner

This Fuel Savings Estimator tool is designed to help you understand how much you might save on fuel costs when you convert your fleet from gasoline or diesel to electricity. Review various charging cost scenarios with different rate programs below. Begin by adding one of the vehicle types in your fleet, then add additional vehicle types to get a full picture of your savings opportunity.

STEP 1: Select Vehicles to Compare

Vehicle Category	Vehicle Class	Vehicle Count	Miles/Day	Days of Operation?
Light-Duty Vehicle	All	3	100	S M T W T F S

Miles/Year/Vehicle **240**

Select Gas/Diesel Vehicle | **Est. MPG of vehicle** | **Local fuel price/gal**

Class 1 - Diesel - Pickup Truck 3.0L - (22.00 mpg) | 22 | $ 5.60

Gal/Year/Vehicle **11**

VS

Select Electric Vehicle Show Actual Vehicles | **Est. miles/kWh**

2022 | Rivian | R1T - 105 kWh (: | 2.24

kWh/Day/Vehicle **0.45**

Selected Electric Vehicle

Model: **2022 Rivian R1T - 105 kWh (2.24 mi/kWh)**
Estimated Vehicle Range: **235 miles/charge**
Battery capacity: **105 kWh**

Charging Hint: You will only need to charge once per day, but you should plan to keep around 30% in extra capacity for adverse weather, terrain and to maintain battery health.*

NEXT STEP

Summary

EV Annual Cost
$3,418 /year

Gas/Diesel Annual Cost
$18,327 /year

Annual Savings
$14,909 /year

Calculation Details

81% Reduction
Total kWh **35,357** kWh
Max Demand **23** kW

Estimated carbon emission reduction

The energy we produce at Avista-owned generating facilities and our long-term contracts ranks the company as one of the cleanest utilities when it comes to greenhouse gases.

EV
8.25 MT /year

Gas/Diesel
33.19 MT /year

Savings
54,977 /year

75% Reduction
Difference **54,977 lbs**
Metric Tons **24.94 MT**

Check out the advanced fleet electrification tool at: myavista.com/transportation

Check it out at: myavista.com/transportation

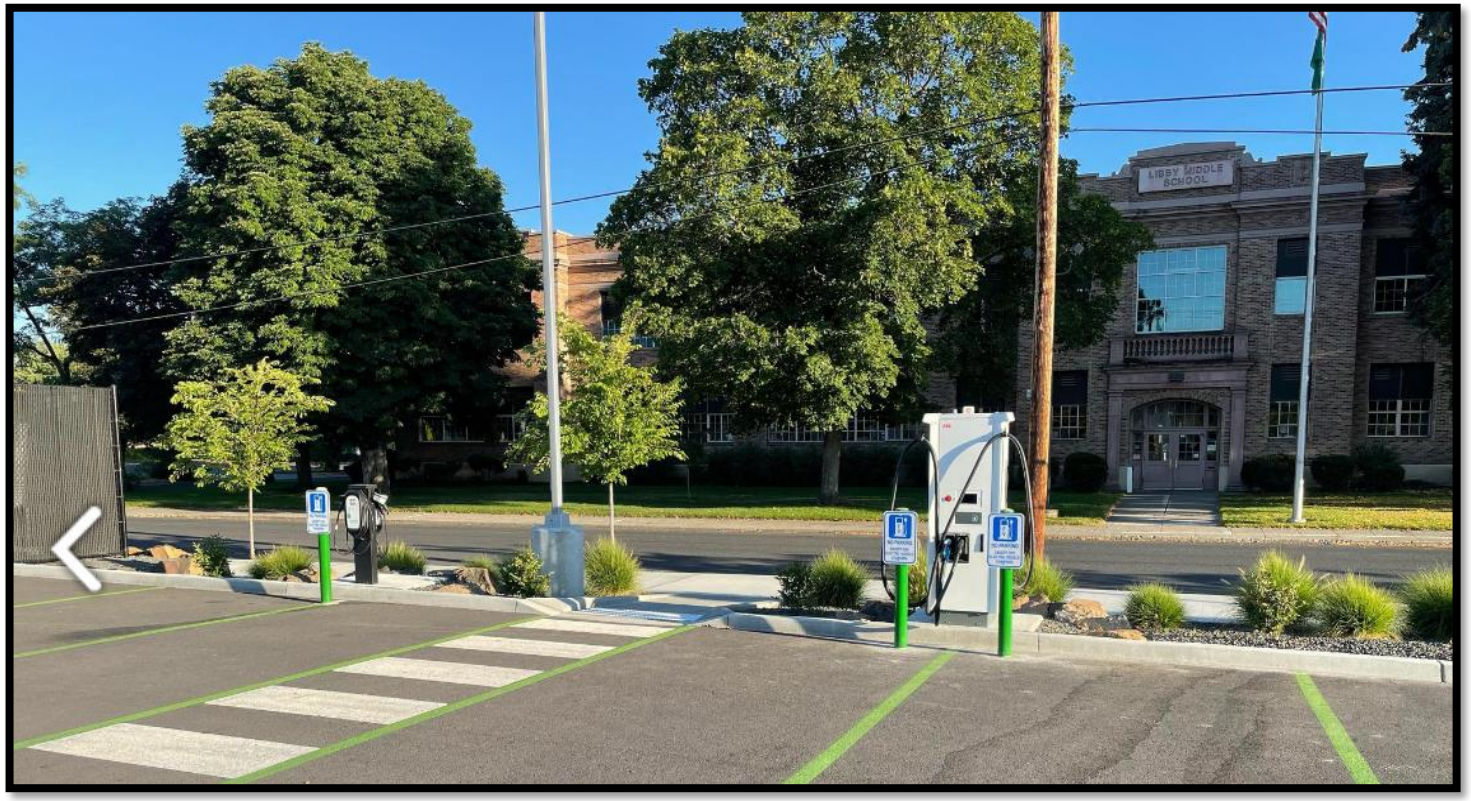
- Charging Infrastructure
- Community and Low-Income Support
- Education and Outreach
- Fleet Electrification Advisory Services
- Load Management & Grid Integration
- Rate Design
- Technology and Market Research
- Utility Fleets, Facilities and Employee Engagement

AC Level 2 charging for residential and commercial customers

2023 thru Nov	**Residential ACL2**	**Commercial ACL2**
# Ports Installed	254	129
# Ports In-Service	731	581
Installation Cost per Port including charger	$1,863	$4,546
Lead Time	3 weeks	3.7 months
Customer Satisfaction	98%	95%

- No-cost installations for Community-Based Organizations (CBOs)
- **CBI: 181 charging ports in Named Communities**

Public DC Fast Charging for Community Benefits



180kW DCFC at The HIVE in Spokane, WA – expandable to 1MW

- 17 sites installed in Eastern Washington
- 12 sites (70%) in Named Communities (at Community Centers, Libraries, Rural Towns, etc)
- Facilities clean and affordable ridesharing innovations for communities

Building Momentum with Community & Low-Income Support Programs

- Providing Community-based Organizations (CBOs) with EVs and charging
  - 10 active partnerships to-date
- Prioritize EV charging in named communities and small rural towns; community centers, & libraries
- Support electric school bus grants and charging infrastructure
- **CBI: 896 trips provided by CBO partners in 2022**

Compassionate Addiction Treatment

Spokane Regional Health District

SCLD

International Rescue Committee

Northeast Community Center

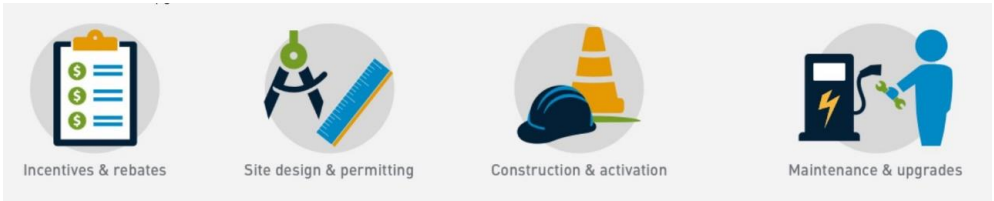
Spokane Public Library

Transitions

Rural Resources Community Action

Future Initiatives and Growth in Community Investments

Electric School Bus Projects

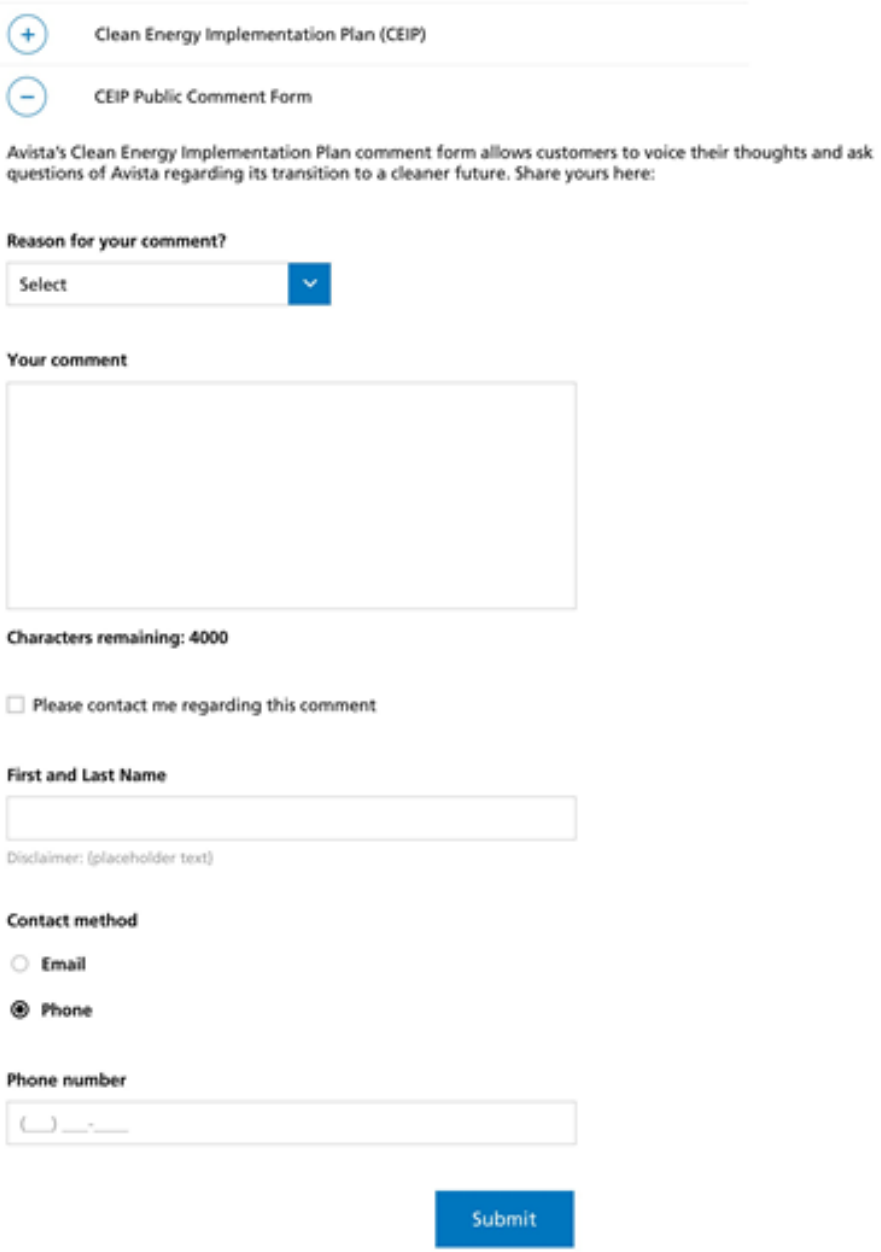


Fleet Advisory Services

Public Charging with On-site Renewables, Storage, & Micro-mobility

Ride-Sharing and Public Transit Support

www.myavista.com/ceta



Thank you