



# Equity Advisory Group

*Condition #10  
Spokane Tribe Energy Partnership*

July 19th & 21st, 2023

# Introductions & Agenda

Topic	Topic Owner
Welcome & Introductions	Amber
Overview of the Meeting: rules and intent	Amber
Partner Shares	Amber
Condition #10	David Schafer
Spokane Tribe Energy Partnership	Meghan Pinch
Next Meeting/Close	Amber

# Guest Introductions

- Name
  - Pronouns
- Organization



# Today's Meeting

## Equity Lens Session July 2023



Aging &  
LONG TERM  
Care  
OF EASTERN WASHINGTON

Learn about Avista's medical equipment pilot program that fulfills Condition #10



American  
Red Cross



Spokane Tribe  
of Indians

Learn about the energy partnership between Avista & The Spokane Tribe

INCREASING LEVEL OF PUBLIC IMPACT				
INFORM	CONSULT	INVOLVE	COLLABORATE	EMPOWER
<b>Public Participation Goal:</b>	<b>Public Participation Goal:</b>	<b>Public Participation Goal:</b>	<b>Public Participation Goal:</b>	<b>Public Participation Goal:</b>
To provide the public with balanced and objective information to assist them in understanding the problems, alternatives, opportunities and/or solutions.	To obtain public feedback on analysis, alternatives and/or decisions.	To work directly with the public throughout the process to ensure that public concerns and aspirations are consistently understood and considered.	To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.	To place final decision-making in the hands of the public.

# 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)





# Equity Advisory Group

*Condition #10*

David Schaffer

# Advisory Group Guidance

## OCTOBER 2022

**Condition 10:** By December 1, 2022, in collaboration with its Equity Advisory Group (EAG) and Energy Assistance Advisory Group (EAAG) and per WAC 480-100-640(5)(a) and (c), Avista agrees to identify at least one specific action that will serve a designated subset of Named Communities, to be funded by the Named Communities Investment Fund, and to identify and track all CBIs relevant to this specific action.

The location identified for the specific action will be at the granularity of the designated Named Communities subset.

### EAAG Members Choices

1 <sup>st</sup> Choice	2 <sup>nd</sup> Choice
Cooling Systems	Heat Pumps
Community Solar	Rooftop Solar <sup>1</sup>
Community Solar	Batteries for medical equipment
Community Solar	Batteries for medical equipment
Batteries for medical equipment	Cooling Systems
Community Solar	Cooling/Heat Pumps
Cooling Systems	Batteries for medical equipment
Community Solar	Batteries for medical equipment



## Battery Backup

Identify households within Named Communities where the occupants rely on medical equipment powered by electricity to provide resiliency against outages. Supply battery backup for those devices.



## Cooling Systems

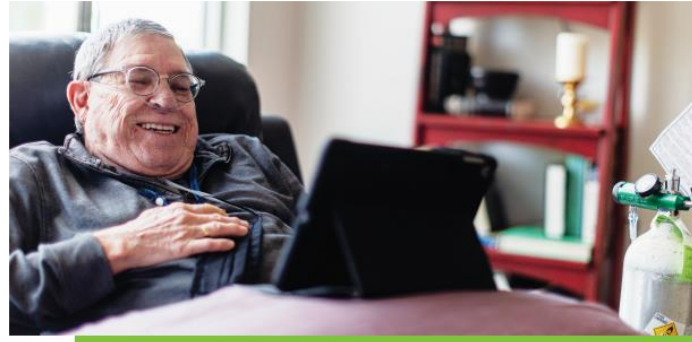
Identify specific households within Named Communities that are also a part of heat islands and provide cooling appliances.



## Pilot Focus: Outage & Extreme Heat

# Medical Power Dependent

- Summer 2023 in-home visits conducted with 100 pilot qualified customers with medical equipment in Spokane and Stevens Counties
- Participants provided equipment to deal with outage and extreme heat conditions
- Pilot to gauge what it takes to provide this level of support to customers with power dependency for medical equipment



### Emergency power for home medical equipment.

#### An Avista Pilot Program

Extreme summer heat and power outages can put people's health and safety at risk. Avista and Aging & Long-Term Care of Eastern Washington (ALTCEW) are working together to learn how best to help people who need to use home medical equipment should their power go out.

#### What are the goals of the pilot?

From the trial program, we will learn:

- improved understanding of the needs of customers with medical equipment,
- what it would take to make a program like this full-scale,
- how to help customers feel more confident and ready for extreme heat or prolonged power outages.

#### Who will be in the study?

Avista and ALTCEW will enroll 100 senior or long-term care customers who use medical equipment at home. ALTCEW will choose people who meet income requirements from their Spokane and Stevens County clients.



### How will it work?

Team members will visit participants in their home to provide them with battery backup power along with a solar panel kit and create a personal emergency plan. They will also provide referrals to other essential programs.

Portable Air Conditioner	Battery Backup Power	Solar Panel Kit
Staying cool and comfortable can be critical for individual health and well-being during extreme heat conditions.	Temporary battery power is possible for medical equipment, such as nebulizers, motorized wheelchair chargers, respirators, ventilators during power interruptions.	The solar panel kit can recharge the battery backup.
		

#### What is the timeline?

Design & Plan	Enroll Eligible Participants	Train Team Members	Conduct Consultations	Administer Surveys	Compile Results	Final Report
Q1 & Q2	Q2	Q2	Q2 & Q3	Various	Q3	Q4
2023				2024		

For questions please contact David Schafer at [david.schafer@avistacorp.com](mailto:david.schafer@avistacorp.com) or 509-495-4688.





The Pilot Details

# Partnerships & Training



Aging & Long-Term Care of EW

- Expertise for in-home care needs
- Caseworker to provide in-home consultation and deliver equipment
- Database to identify participants



American Red Cross

- Expertise for personal emergency planning
- Training for in-home caseworker

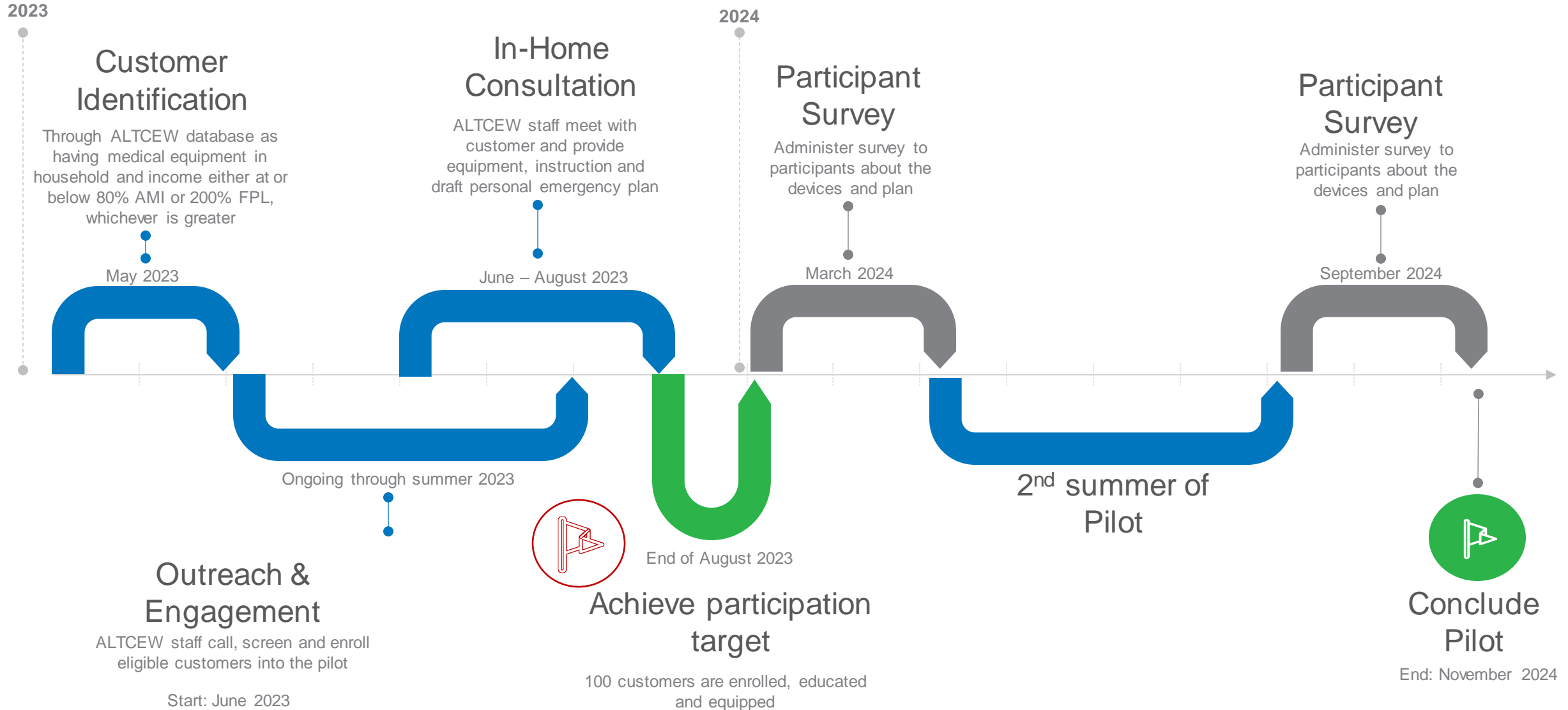


Avista

- Objective to provide support for power dependent customer
- Provide equipment and collateral
- All pilot planning and coordination

## The Pilot Details

# Timeline and Reporting





# Equity Advisory Group

*Spokane Tribe Energy Partnership*

Meghan Pinch

# Avista-Spokane Tribe Energy Partnership

- Grid resiliency design project
- Spokane Tribe Administrative building energy audit and grant application
- Additional energy audits for Tribally owned buildings in Wellpinit
- Geothermal

# Clean Energy Fund Grid Modernization Grant Award Overview



**Awarded project:** Financial support to design and engineer a clean and resilient energy storage project in partnership with the Spokane Tribe. The project will support increased energy resilience and energy sovereignty. Funding does not include construction of project.

**Project Funding:** \$480,000 in total (Avista to provide \$240,000 in-kind match to \$240,000 in funding from Department of Commerce).



Grid Modernization grants will support utilities across the state in building and integrating new technologies that support their clean energy transition plans.

# Spokane Tribe Grid Resiliency Design Concept



**Project goal: provide sustained backup power for three “critical loads” buildings for summertime loads**

- Spokane Tribal Administrative building
- Public safety building – phone back up in particular
- Public health clinic

“Switchable” platform that could enable power to be switched between three or more stepdown circuits during an emergency

Could replace elevated building transformers currently located behind post office

Could potentially create a “critical loads” circuit- to ensure that power is available / prioritized to buildings that are critical to Tribal operations during emergencies



# Grid resiliency project- recent activities, next steps

- ✓ Verified chosen use case- resiliency for summer outages
- ✓ Decided what buildings to be prioritized as “critical”
- ✓ Identified 2 potential project sites

## Next steps:

- Work with Tribe and stakeholders to decide which loads should be prioritized as “critical” (within three priority buildings)
- Model loads to see what durations are possible
- Develop load prioritization framework
- Develop funding strategy as design progresses
- Develop a project timeline that accounts for other concurrent development activity in the Wellpinit Core area



# Grid resiliency project discussion- what CBIs are most relevant for this project?

Customer Benefit Indicator	Benefit Area	Measurement
Participation in Company Programs	<ul style="list-style-type: none"> <li>Reduction of Burden</li> <li>Reduction in Cost</li> <li>Non-Energy</li> <li>Energy</li> </ul>	<ul style="list-style-type: none"> <li>Participation in Weatherization Programs and Energy Assistance Programs (all and Named Communities)</li> <li>Saturation of Energy Assistance Programs (all and Named Communities)</li> </ul>
Number of households with a High Energy Burden (>6%)	<ul style="list-style-type: none"> <li>Reduction of Burden</li> <li>Reduction of Cost</li> </ul>	<ul style="list-style-type: none"> <li>Number and Percent of Households</li> <li>Average excess burden per household</li> </ul>
Availability of Methods/Modes of Outreach and Communication	<ul style="list-style-type: none"> <li>Non-Energy</li> </ul>	<ul style="list-style-type: none"> <li>Number of Outreach Contacts</li> <li>Number of Marketing Impressions</li> </ul>
Transportation Electrification	<ul style="list-style-type: none"> <li>Non-Energy</li> <li>Environment</li> </ul>	<ul style="list-style-type: none"> <li>Number of Trips Provided by Community Based Organizations</li> <li>Number of Public Charging Stations Located in Named Communities</li> </ul>
Named Community Clean Energy	<ul style="list-style-type: none"> <li>Energy</li> <li>Energy Resiliency</li> <li>Reduction of Burden</li> <li>Risk Reduction</li> </ul>	<ul style="list-style-type: none"> <li>Percent Non-Emitting Energy located in Named Communities (Energy Efficiency and renewable energy)</li> </ul>

Customer Benefit Indicator	Benefit Area	Measurement
Investments in Named Communities	<ul style="list-style-type: none"> <li>Reduction of Burden</li> <li>Energy Resiliency</li> <li>Risk Reduction</li> </ul>	<ul style="list-style-type: none"> <li>Incremental spending each year in Named Communities</li> <li>Number of customers/ and/or Community based organizations served</li> <li>Quantification of energy/non-energy benefits from investments (if applicable)</li> </ul>
Energy Availability	<ul style="list-style-type: none"> <li>Reduction of Risk</li> <li>Energy</li> <li>Energy Resiliency</li> </ul>	<ul style="list-style-type: none"> <li>Average Outage Duration</li> <li>Planning Reserve Margin (Resource Adequacy)</li> </ul>
Energy Generation Location	<ul style="list-style-type: none"> <li>Energy Security</li> </ul>	<ul style="list-style-type: none"> <li>Percent of Generation Located in Washington or Connected to Avista Transmission</li> </ul>
Outdoor Air Quality	<ul style="list-style-type: none"> <li>Environmental</li> </ul>	<ul style="list-style-type: none"> <li>Weighted Average Days Exceeding Healthy Levels</li> <li>Avista Plant Air Emissions</li> </ul>
Greenhouse Gas Emissions	<ul style="list-style-type: none"> <li>Environmental</li> </ul>	<ul style="list-style-type: none"> <li>Regional GHG Emissions</li> <li>Avista GHG Emissions</li> </ul>
Employee Diversity	<ul style="list-style-type: none"> <li>Public Health</li> </ul>	<ul style="list-style-type: none"> <li>Employee diversity equal to communities served by 2035</li> </ul>
Supplier Diversity	<ul style="list-style-type: none"> <li>Public Health</li> <li>Non-Energy</li> </ul>	<ul style="list-style-type: none"> <li>Supplier Diversity at 11 percent by 2035</li> </ul>
Indoor Air Quality	<ul style="list-style-type: none"> <li>Public Health</li> <li>Non-Energy</li> </ul>	<ul style="list-style-type: none"> <li>In development</li> </ul>

# Spokane Tribal Administrative Building Energy Audit



## Systems & Equipment Reviewed:

- Rooftop Units
  - Building Automation
  - Ductwork
  - Solar Array
  - Server/IT Rooms
  - Building Envelope
  - Building Interior
  - Lighting
- 13 total opportunities identified

RESOURCE  SYNERGY

# Opportunity Summary

## Low/No Cost

- AHU Scheduling/ Demand Reduction
- Solar Panel Cleaning
- Finish LED Lighting Retrofit
- Exterior Lighting Control
- Plug Load Management
- Server Room Ceiling Tiles
- Attic Insulation/Sealing

## Moderate Cost

- Replace Building Automation System (BAS)
- Occupancy and CO2 Sensors
- Retro-Commissioning

## Large Capital

- Refurbish or Replace RTUs
- Window Replacement or Upgrade

RESOURCE  SYNERGY

# Department of Commerce CEF 5: Rural Clean Energy Innovation Grant

A new program to support clean energy research, development and implementation. Includes set asides for tribal energy projects.

## Project profile:



Funding for efficiency upgrades at Tribal Administrative Building as identified in ASHRAE Level II Energy Audit



Total project cost:  
**\$1.1 million**  
\$980,000 grant request  
\$120,000 required match



**Summer 2023** awards announced

## Key scope items:

Replace all 5 rooftop units, building automation system, some windows; finish lighting upgrades



Example 1500W Space Heater



Proposed 200W Panel Heater



Carrier ASHP



Tear in Fabric Duct Transition

# Additional energy audits for Spokane Tribe

- 10 additional buildings selected;
- Work to begin in August 2023
- Audit portfolio to be complete by end of year



# Next Meeting | Support Team

**August 23rd**  
**4:30 – 6:00 pm**

**August 25th**  
**7:30 – 9:00 am**

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# Thank You

