

SUSTAINABLE ENVIRONMENT COMMISSION



Steve McGeehan
Commission Chair
sec@ci.moscow.id.us

Regular Meeting
~Agenda~

Kyle Steele
Staff Liaison
208-883-7133

<https://www.ci.moscow.id.us/551/Sustainable-Environment-Commission>

Tuesday
December 12, 2023

6:00 PM

Mayors Conference Room
1st Floor City Hall
206 E. 3rd St.

WELCOME AND ATTENDANCE

REGULAR AGENDA

1. Approval of Sustainable Environment Commission October 17, 2023 Minutes (ACTION ITEM)

Minutes presented for approval.

PROPOSED ACTIONS: Approve the minutes as presented; approve minutes with amendments; or provide staff further direction.

2. Public Comment and Response to Previous Comments (limited to 10 minutes)

Members of the public may speak to the Commission regarding matters NOT on the agenda or currently pending before the Commission. Please state your name and city of residence for the record and limit your remarks to three (3) minutes.

3. Water Summit Follow-up

Discussion of the highlights from the 2023 Water Summit.

PROPOSED ACTIONS: discuss and take action as deemed appropriate.

4. Potential Topics for Future SEC meetings

SEC members are asked to submit and discuss potential topics for 2024 SEC meetings.

PROPOSED ACTIONS: discuss and take action as deemed appropriate.

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Tuesday
December 12, 2023

6:00 PM

Mayors Conference Room
1st Floor City Hall
206 E. 3rd St.

REPORTS

1. City Sustainability Report- Kelli Cooper
2. Moscow High School Subcommittee Report – Mia Heinlein
3. Climate Action Working Group – Tina Hilding

NOTICE: It is the policy of the City of Moscow that all City-sponsored public meetings and events are accessible to all people. If you need assistance in participating in this meeting or event due to a disability under the ADA, please contact the City's ADA Coordinator by phone at (208) 883-7600, TDD (208) 883-7019, or by email at adacoordinator@ci.moscow.id.us at least 48 hours prior to the scheduled meeting or event to request an accommodation. The City of Moscow is committed to ensuring that all reasonable accommodation requests are fulfilled.

SUSTAINABLE ENVIRONMENT COMMISSION



Steve McGeehan
Commission Chair
sec@ci.moscow.id.us

Regular Meeting
~Minutes~

Kyle Steele
Staff Liaison
208-883-7133

<https://www.ci.moscow.id.us/551/Sustainable-Environment-Commission>

Tuesday
September 19, 2023

6:00 PM

Mayors Conference Room
1st Floor City Hall
206 E. 3rd St.

The meeting was called to order at 6:06 p.m.

PRESENT: Steve McGeehan-Chair; Victoria Seever; Gordon Wilson; Al Poplawsky; Maureen Laflin-Council Liaison; Asaph Cousins

STAFF: Kelli Cooper, Jenifer Rossini

ABSENT: Mia Heinlein; Sophie Gilbert; Jassen Bluto; Tina Hilding

REGULAR AGENDA

1. Approval of Sustainable Environment Commission August 15, 2023 Minutes (ACTION ITEM)

Minutes presented for approval.

PROPOSED ACTIONS: Approve the August minutes as presented; approve minutes with amendments; or provide staff further direction.

Victoria moved to approve the August 2023 minutes, and Asaph second to approve minutes as presented.

Roll Call Vote: Ayes: Unanimous. Nays: None. Abstentions: Steve. **Motion carried.**

2. Public Comment and Response to Previous Comments (limited to 10 minutes)

Members of the public may speak to the Commission regarding matters NOT on the agenda or currently pending before the Commission. Please state your name and city of residence for the record and limit your remarks to three (3) minutes.

David Hall mentioned that there will be a native plant planting at Harvest Park this Saturday. Palouse Basin Aquifer Committee will be meeting this Thursday the 21st at U of I Best Western.

3. Avista

An Avista representative will provide information on energy topics pertinent to the SEC including how Avista will meet its 100% clean electricity target.

PROPOSED ACTIONS: take action as deemed appropriate.

Avista is working on some renewable natural gas sources. They are starting to see more of a summer peak compared to winter peak in term of usage. They are also working on installing more rural charging stations.

* For a detailed look into presentation, please see attached documents.

REPORTS

1. City Sustainability Report- Kelli Cooper

Kelli has been busy performing irrigation audits every day, 50 total audits so far. Irrigation season is over on September 30th.

This years Water Summit is scheduled for October 26th. It is the 20-year anniversary. Erica Gies, author of Water Always Wins, will be the keynote speaker. Kelli says they the University of Idaho and Washington State University Presidents will be there as well to speak. She is hopeful a spokes person from the Nez Perce tribe will also speak as well as local youth. Both local Mayors will present some information on the Waylon Challenge.

2. Moscow High School Subcommittee Report- Mia Heinlein

No report

3. Climate Action Working Group (CAWG)-Tina Hilding

No report.

ANNOUNCEMENTS

None.

UPCOMING EVENTS / MEETINGS

1. Next SEC meeting set for October 17, 2023

ADJOURN

The meeting adjourned at 7:28 PM



Steve McGeehan, Chair *(or stamped by Deputy City Clerk)*

Weekly Federal Energy Grants Newsletter



Governor's Office of Energy and Mineral Resources
September 19th, 2023

This is the federal grants newsletter for the week of September 18th, 2023. This is a weekly newsletter produced by the Office of Energy and Mineral Resources (OEMR) that focuses on competitive federal funding made possible by the Bipartisan Infrastructure Law (BIL) and Inflation Reduction Act (IRA). Each newsletter contains the latest information on Funding Opportunity Announcements, Requests for Information, and Notices of Intent released through the Department of Energy (DOE). [Read more...](#)

[Click here](#) to subscribe to the weekly federal grants newsletter if you are not subscribed.

Resources

Federal Resources

- [Bipartisan Infrastructure Law Programs](#) (Department of Energy)
- [Infrastructure Act Resource Hub](#) (National Association of State Energy Officials)
- [Grants.gov](#)
- [Office of Energy Efficiency and Renewable Energy Funding Exchange](#) (Department of Energy)
- [Office of Clean Energy Demonstrations Funding Exchange](#) (Department of Energy)

Grants 101

- [Grants Learning Center](#) (Grants.gov)
- [Introduction to Finding Grants](#) (Learning Candid)
- [What to Do Before You Write a Grant Proposal](#) (Ohio Literacy Resource Center)
- [A Guide for Proposal Writing](#) (National Science Foundation)
- [Developing and Writing Grant Proposals](#) (CFDA)
- [Planning and Writing a Grant Proposal](#) (University of Wisconsin)
- [Proposal Writing](#) (Learning [Check it out here!](#))

- Office of Indian Energy Funding Exchange (Department of Energy)
- Credits and Deductions under the IRA (Internal Revenue Service)
- Inflation Reduction Act (Environmental Protection Agency)

OEMR Resources

- Federal Funding Opportunities Tracker
- General Newsletter
- LinkedIn
- Twitter
- Facebook

- Writing a Successful Grant Proposal (Minnesota Council of Foundations)



Tip of the Week

Carefully read the eligibility section to determine applicant and project eligibility to make sure you apply for grants that pertain to you.

Technical Assistance Opportunity

If you are seeking public funding to invest in the safety, health and economic wellbeing of your communities, support is available. The Nature Conservancy and Agnew::Beck have partnered to offer free plan development and review, targeted funding research and grant writing assistance for any projects related to reducing climate pollution. Reach out to Jillian Hanson to learn more. Email: jillian.hanson@tnc.org. [Click here](#) to learn more!

Note: The below Funding Opportunity Announcements (FOA), Notices of Intent (NOI), and Requests for Information (RFI) are sourced from www.energy.gov

Funding Opportunity Announcements

Powering Affordable Clean Energy

Description: The goal of this FOA is to help make clean, affordable, and reliable energy accessible to the people of rural America. The program makes it more affordable for

Energy Future Grants

DE-FOA-0002870

Description: The Energy Future Grants (EFG) provides \$27 million in financial assistance and technical assistance to support local,

Rural Energy for America Program Renewable Energy Systems & Energy Efficiency Improvement Guaranteed Loans & Grants

rural Americans to use clean, reliable energy to heat and cool their homes, run their businesses, and power their cars, schools, and hospitals.

Eligibility: Entities that generate electricity for resale to residents in both rural and nonrural areas. However, at least 50 percent of the population served by your proposed renewable energy project must live in communities with populations of 20,000 or fewer.

Important Dates: Letters of interest are due 9/29/2023

state, and tribal government-led partnership efforts that will advance clean energy program innovation.

Eligibility: Prime recipients: State and local governmental entities, and tribal nations

Subrecipients: State and local governmental entities, and tribal nations. Non-profit entities including community-based organizations. Institutions of higher education, including Historically Black Colleges and Universities, Minority Serving Institutions, Hispanic Serving Institutions, tribal colleges, community colleges and think tanks. Underserved businesses, including small and disadvantaged businesses, women-owned small businesses, service-disabled and veteran owned small businesses. Local or regional planning organizations. Utilities including investor-owned, cooperative/public power, and municipal as well as third-party or independent power providers. For-profit entities.

Important Dates: Full applications are due 9/30/2023.

Community Power
Accelerator Prize
Round 2

Mitigating Emissions
from Marginal
Conventional Wells

Description: The goal of this FOA is to provide guaranteed loans and grants to rural small businesses and agricultural producers for renewable energy and energy efficiency projects. The projects that qualify for the a federal grant share not exceed 50 percent of the project cost. Technical assistance is available. [Check out out here!](#)

Eligibility: Rural small businesses, agricultural producers

Important Dates: Full Applications are due 9/30/2023.

National Clean
Investment Fund

Description: The American-Made Community Power Accelerator Prize is a \$10 million prize competition designed to fast-track the efforts of new, emerging, and expanding solar developers and co-developers to learn, participate, and grow their operations to support multiple successful community solar projects. The goal of this prize is to grow a robust ecosystem of community solar project developers that incorporate meaningful benefits into projects across the United States.

Eligibility: New community solar project developers, co-developers, or existing developers that are expanding operations and have concrete plans to develop a portfolio of equitable community solar projects.

Important Dates: Register for the webinar on 9/19/2023 [here!](#)

Full applications are due
10/4/2023

DE-FOA-0003108

Description: The Department of Energy is partnering with the Environmental Protection Agency to make funds available to States for the purpose of working with operators to voluntarily and permanently plug marginal conventional wells on non-Federal lands, supporting environmental restoration of the well pad, and enhancing industry's and States' capacities to monitor methane and other air pollutants from wells. If released, this Administrative and Legal Requirements Document is expected to make available up to \$700 million for financial assistance in the form of cooperative agreements to States via a formula.

Eligibility: State governments

Important Dates: New closing date is 10/10/2023

EPA-R-HQ-NCIF-23

Description: The EPA is releasing a \$14 billion National Clean Investment Fund competition to finance clean technology deployment nationally. This competition will provide grants to 2–3 national nonprofit financing entities to create national clean financing institutions capable of partnering with the private sector to provide accessible, affordable financing for tens of thousands of clean technology projects nationwide.

Eligibility: (a) is a non-profit; (b) is designed to provide capital, leverage private capital, and provide other forms of financial assistance for the rapid deployment of low- and zero-emission products, technologies, and services; (c) does not take deposits other than deposits from repayments and other revenue received from financial assistance provided using grant funds under this program; (d) is funded by public or charitable contributions; and (e) invests in or finances projects alone or in conjunction with other investors.

Important Dates: Full applications are due
10/12/2023.

Clean Communities
Investment Accelerator

EPA-R-HQ-CCIA-23

Description: The purpose of the \$6 billion Clean Communities Investment Accelerator competition is to finance clean technology deployment in low-income and disadvantaged communities while simultaneously building the capacity of community lenders that serve those communities. This competition will provide grants to 2–7 hub nonprofits that will provide funding and technical assistance to specific industry networks.

Eligibility: (a) is a non-profit; (b) is designed to provide capital, leverage private capital, and provide other forms of financial assistance for the rapid deployment of low- and zero-emission products, technologies, and services; (c) does not take deposits other than deposits from repayments and other revenue received from financial assistance provided using grant funds under this program; (d) is funded by public or charitable contributions; and (e) invests in or finances projects alone or in conjunction with other investors.

Advanced Processing of
Critical Minerals and
Materials for Industrial and
Manufacturing
Applications

DE-FOA-0002619

Description: The purpose of this funding opportunity is to help lower the costs of the onshore production of rare earths and other critical minerals and materials from domestic coal-based resources. The funding will help meet the growing demand for critical minerals in the United States, while reducing our reliance on offshore supplies. Rare earths and other critical minerals are key to U.S. manufacturing of clean energy technologies.

Eligibility: Individuals, institutions of higher education, for-profit and non-profit organizations, state and local governments, and tribal nations.

Important Dates: Full applications are due 10/20/2023.

Domestic Manufacturing
Conversion Grants

DE-FOA-0003106

Description: The purpose of this funding opportunity is to support the administrations goals of accelerating the growth of domestic production capability for electric vehicles and components to meet the anticipated growth in demand for clean energy technologies as the economy transitions to net-zero emissions. The announcement seeks applications to address conversion of manufacturing facilities to expand domestic production capability of electric vehicles, components, and materials in the U.S.

Eligibility: Applicants must register with and submit application materials through the Clean Energy Infrastructure Exchange.

Important Dates: Concept papers are due 10/02/2023. Full applications due 12/07/2023

Important Dates: Full applications are due 10/12/2023.

High Energy Cost Grants

Description: The purpose of this funding opportunity is to assist energy providers and other eligible entities in lowering energy costs for families and individuals in communities with extremely high per-household energy costs (275 percent of the national average or higher).

Eligibility: Most retail or power supply providers serving an eligible rural community. These include, state and local government entities, federally recognized Tribes and Tribal entities, non-profits including cooperatives and limited dividend or mutual associations, and for-profit businesses.

Important Dates: Full applications close 10/31/2023

Critical Material Innovation, Efficiency, and Alternatives

DE-FOA-0003105

Description: This funding opportunity will build on prior the Department of Energy (DOE), other government agency, and private sector investment, and implements section 7002(g) of the Energy Act of 2020 and BIL section 41003(c) through the program's research and development activities by the creation of innovative methods and technologies for the efficient and sustainable provision of critical materials to the domestic economy and the expected activities under the program to mitigate the environmental and health impacts of the extraction, processing, manufacturing, use, recovery, and recycling of critical materials.

Eligibility: Unrestricted

Important Dates: Full applications are due 11/10/2023

Silicon Solar Manufacturing and Dual-use Photovoltaics Incubator

DE-FOA-0003057

Description: This funding opportunity has two topic areas. Topic 1 is focused on demonstration activities that support the domestic silicon PV module supply chain. Topic 2 is focused on RD&D and product development for dual-use PV with the aim of developing these market segments in the United States and increasing deployment.

Eligibility: Prime Recipient: domestic for-profit entity, foreign entities, incorporated consortia, unincorporated consortia

Subrecipient: Institutions of higher education; For-profit entities; Non-profit entities; and State and local governmental entities, and tribal nations.

See link for additional details about eligibility

Important Dates: Letters of interest are due 9/27/2023.

Full applications are due
11/14/2023.

Materials, Operation, and Recycling of
Photovoltaics

DE-FOA-0002985

Description: This FOA has two topic areas of interest. Topic Area 1 will use \$12 million to fund collaborations of stakeholders to reduce cost and lifecycle impacts of a PV system and its components, including co-located storage.

Topic Area 2 seeks to fund one research partnership at a maximum of 8\$ million dedicated to improving material recovery and safe end-of-life practices for PV system components.

Eligibility: Unrestricted

Important Dates: Letter of intent are due 9/6/2023. Concept papers are due 9/13/2023. Full applications are due 11/28/2023.

Carbon Utilization Procurement Grants

DE-FOA-0002829

Description: The goal of the Carbon Utilization Procurement Grants program is to speed up adoption of advanced carbon management technologies, creating a market for environmentally sustainable alternatives in fuels, chemicals, and building products sourced from captured emissions from industrial and power generation facilities by providing \$100 million to support eligible entities in purchasing products derived from converted carbon emissions.

Eligibility: States, local governments, and public utilities or agencies

Important Dates: Concept papers are due at any time during the application period. Full applications are due 4/30/2024.

Transmission Siting and Economic Development Grant Program

DE-FOA-0003101

Description: The goal of the Transmission Siting and Economic Development Grant Program is for states, tribes, and local governments to accelerate and strengthen electric transmission siting and permitting processes. Through this program, DOE will support two distinct categories of activities related to the development of new or upgraded interstate and offshore transmission lines: siting and permitting and economic development.

Eligibility:

Concept papers are due 10/31/2023. Full applications are due 4/5/2024.

Notices of Intent

Disclaimer: These are NOIs and are for informational purposes only. The Department of Energy is not seeking comments on the information contained in the notices at this time.

Weatherization Assistance
Program Enhancement &
Innovation

DE-FOA-0002911

Description: The Weatherization Assistance Program (WAP) Enhancement & Innovation seeks applications to expand the impact of the Department of Energy's existing WAP by utilizing leveraged resources and enhanced community partnerships to perform deep energy retrofits of low-income residential buildings and empower local community representation within the energy workforce. The DOE anticipates that the FOA may include the following three (3) Topic Areas:

- Topic Area 1—Multifamily Housing;
- Topic Area 2—Single Family & Manufactured Housing; and
- Topic Area 3—Workforce Development.

Eligibility: Existing WAP Grantees, WAP Subgrantees, and other nonprofit entities

Battery Manufacturing
Grants Round #2

DE-FOA-0003099

Description: The high-capacity battery supply chain consists of five main steps including:

- 1) raw material production,
- 2) materials processing including material refinement and processing,
- 3) battery material manufacturing and cell fabrication,
- 4) battery pack and end use product manufacturing, and
- 5) battery end-of-life and recycling.

It is anticipated that the FOA would increase domestic battery manufacturing and create good paying clean energy jobs. The overall FOA scope includes commercial facilities for battery-grade precursor materials, constituent materials, battery components, and cell manufacturing and recycling. Applicants should consider and identify potential downstream domestic customers of their material or product.

Eligibility: Unrestricted

Carbon Dioxide
Transportation
Infrastructure Finance and
Innovation Program

**BIL Section 40304
DE-FOA-0003079**

Description: This future funding opportunity authorizes funding for carbon dioxide transportation infrastructure finance and innovation (CIFIA) program. CIFIA will support common carrier Carbon Dioxide (CO₂) transportation infrastructure projects, including pipelines, rail, ships and barges, and ground shipping, that connect anthropogenic point sources of CO₂ with endpoints for storage and utilization.

Important Dates: Estimated application opening date is October 2023.

Important Dates: Full application deadline TBD

Important Dates: Estimated application opening date is October 31st

Electric Drive Vehicle Battery Recycling and Second-Life Application Program

DE-FOA-0003119

Description: The Electric Drive Vehicle Battery Recycling and Second-Life Application Program will provide up to \$37 million from Bipartisan Infrastructure Law funding to advance electric vehicle battery recycling, transportation, and design.

Important Dates: Estimated application opening date is November 2023.

Critical Material Innovation, Efficiency, and Alternatives

Description: The Critical Material Innovation, Efficiency, and Alternatives Program is designed to conduct a program of research, development, demonstration, and commercialization to develop alternatives to critical materials, to promote their efficient production and use, and ensure a long-term secure and sustainable supply of them.

Eligibility: Industry Partners

Important Dates: Estimated application opening date is end of calendar year 2023.

Requests for Information

Disclaimer: The intent of these RFIs is to obtain public input to inform the scopes and priorities for the programs. Information collected from these RFIs may be used by the DOE for planning purposes, which could include developing future FOAs, Broad Agency Announcements, or other solicitations related to the implementation of the Programs. This is solely a RFI and not a funding opportunity.

There are no new RFIs at this time.

Partially Closed Funding Opportunities

FOAs in this section have concept papers or letters of intent that are past due, but the full application deadline has not yet passed.

Maintaining and Enhancing Hydroelectricity Incentives
10/06/2023

Upcoming Funding Opportunities

FOAs in this section have not yet been released by the DOE. These FOAs are slated to open calendar years 2022 and 2023. Dates are subject to change.

Advanced Energy Security Program
Q4 2022
Career Skills Training **Q1 2023**

Solar For All 10/12/2023
Energy Improvements in Rural or
Remote Areas 10/12/2023
Consumer Electronics Battery
Recycling, Reprocessing, and Battery
Collection 11/29/2023

Clean Hydrogen Manufacturing
Recycling Q2 2022
Cybersecurity for the Energy Sector
Research, Development, and
Demonstration Program 2023
Energy Auditor Training Grant
Program Q1 2023
Energy Sector Operational Support for
Cyber Resilience Program Q1 2023
Energy Storage Demonstration and
Pilot Grant Program Q3 2023

Governor's Office of Energy and Mineral Resources





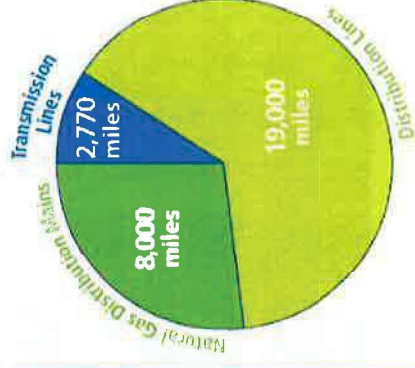
Powering our future

Paul Kimmell, Business & Public Affairs

Moscow Sustainable Environment Commission September 19, 2023

Avista at a glance

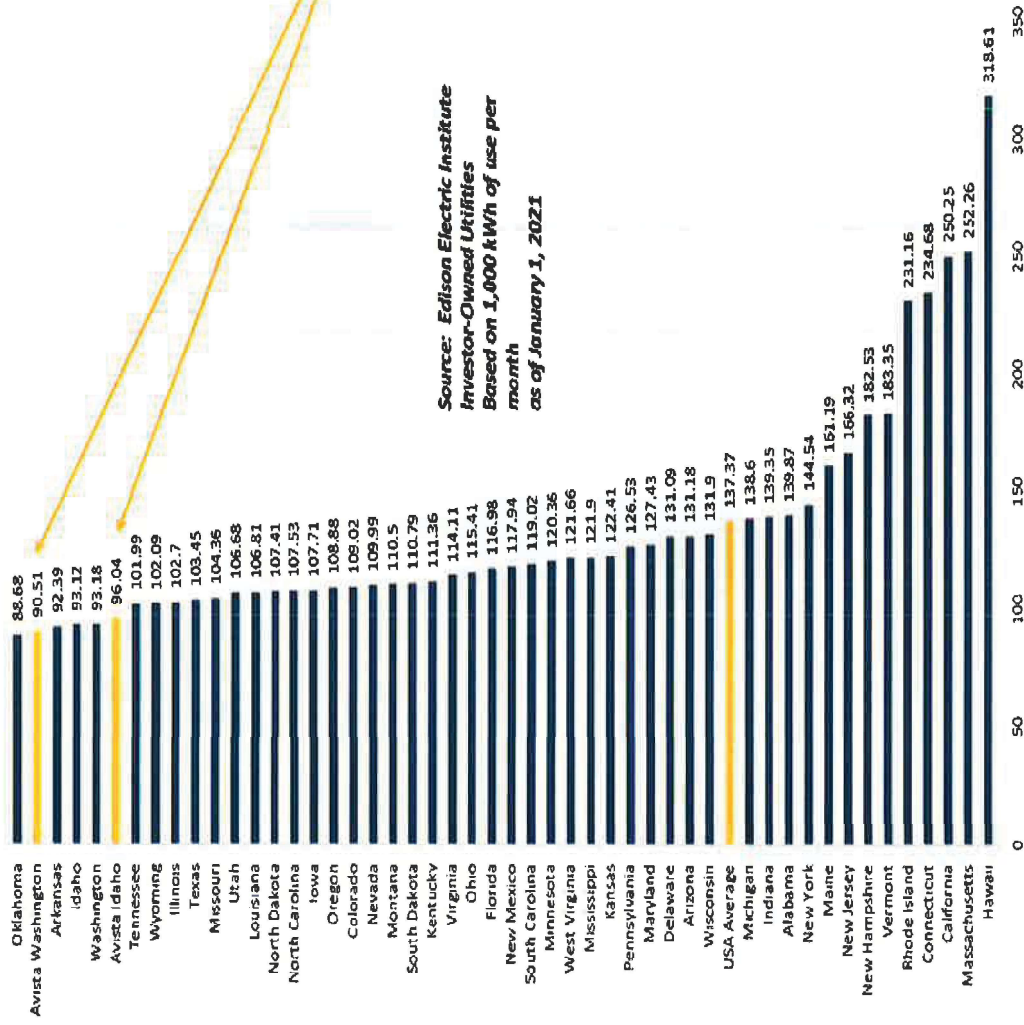
- Incorporated in the territory of Washington in 1889
- Primarily a regulated electric and natural gas utility
- Operating Revenue - \$1.4 billion
- Shareholder Equity - \$2.2 billion
- At the end of 2021, employed 1,800 people at Avista Utilities and 65 in our subsidiary businesses (including Alaska Electric Light & Power)
- Generation portfolio is 60% renewable



Supply Mix

ELECTRICITY GENERATION
RESOURCE MIX
As of Dec. 31, 2022 - Excludes AEL&P

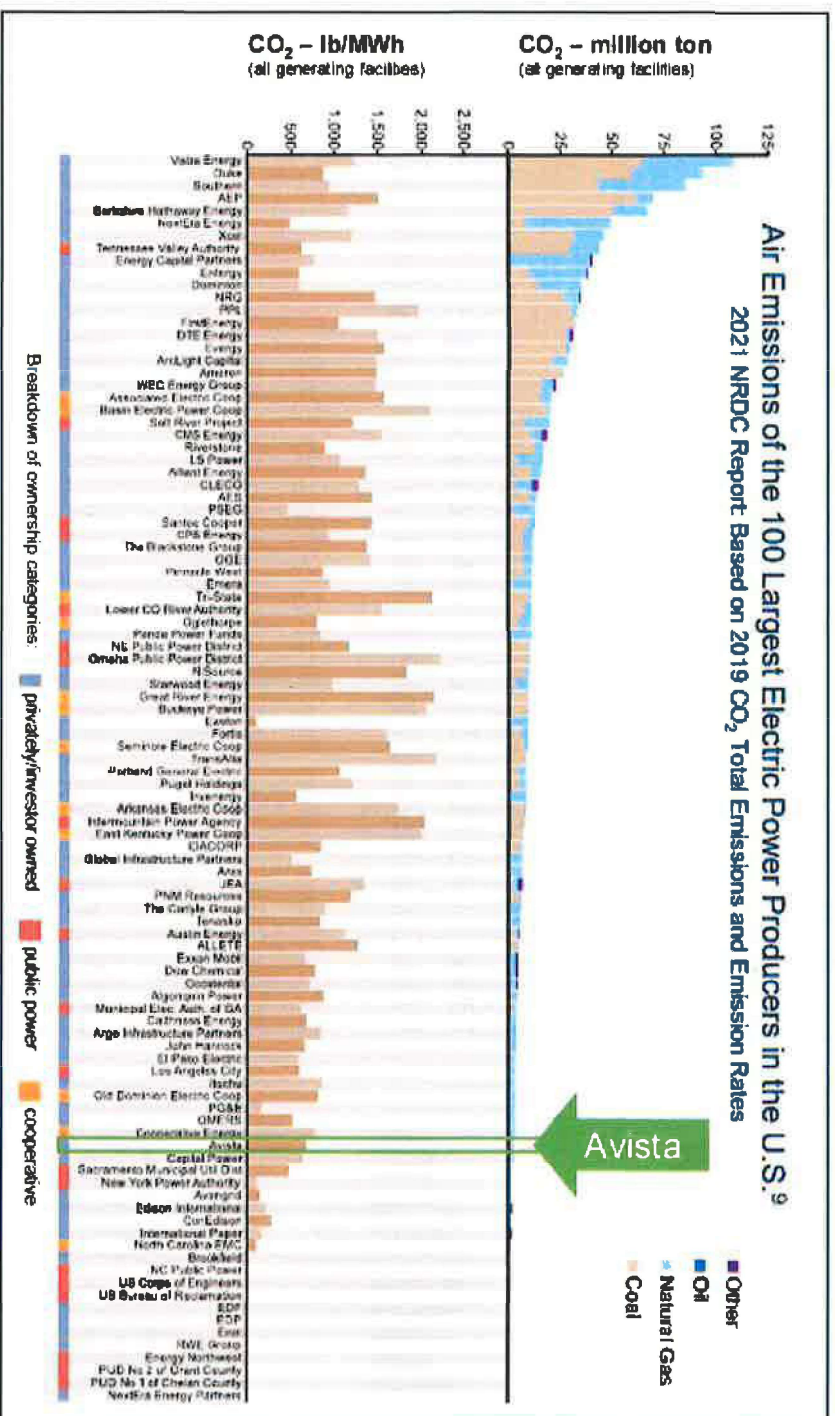




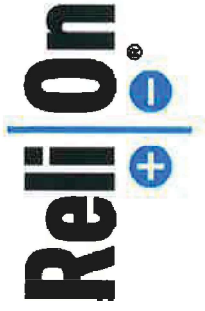
Avista Rates are Among the Lowest in the Country

Avista Greenhouse Gas Emissions

- Among the Lowest in the Country



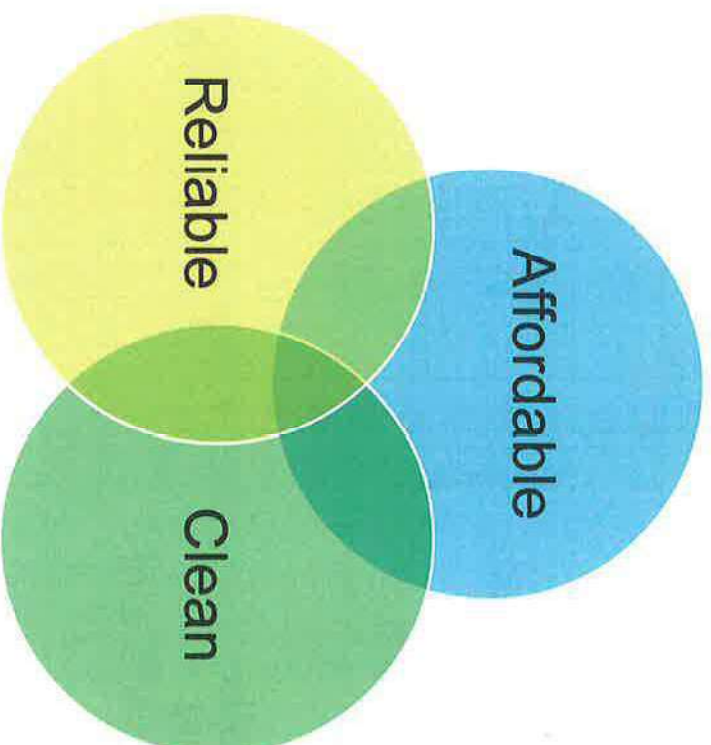
With a 130 year history of innovation



- 1903 Longest transmission line in the world
- 1910 Automatic control for electric range
- 1911 Automatic electric water heater
- 1915 Largest dam in the world with largest generator
- 1977 Established Itron
- 1983 First bio-mass plant in the world
- 1995 Established Ecova (sold to GDF Suez)
- 1996 Established Reli-On fuel cell company (sold to Plug Power)
- 2001 Developed the first GIS based OMS
- 2009-2013 Three ARRA smart grid grants
- 2015 Largest vanadium flow battery in north America and Europe
- 2015 Largest community solar in WA state
- 2016 EVSE Pilot Launched
- 2018 Largest commercial solar in WA state

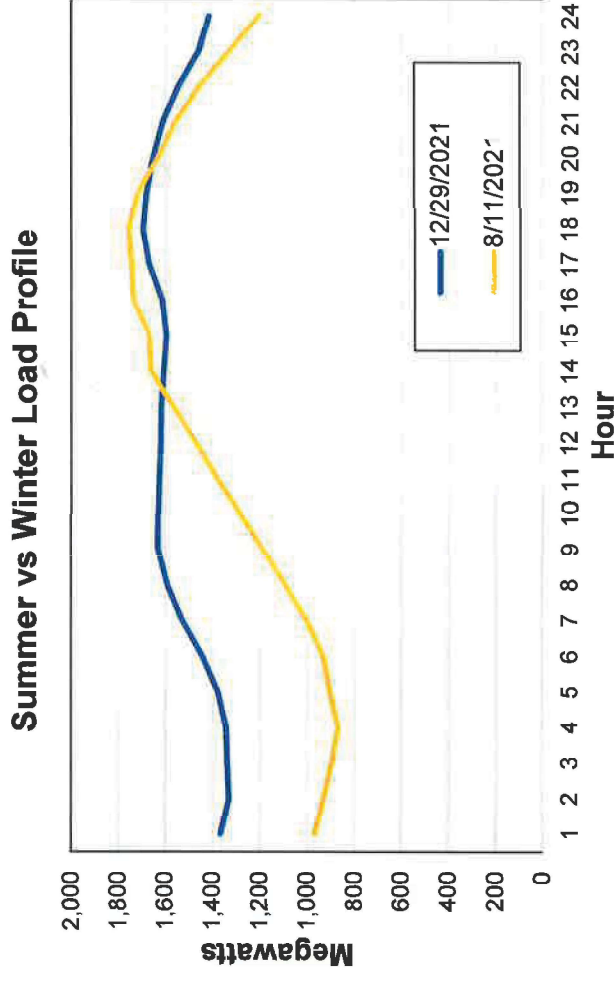


Resource Planning - The Utility Generation Balancing Act

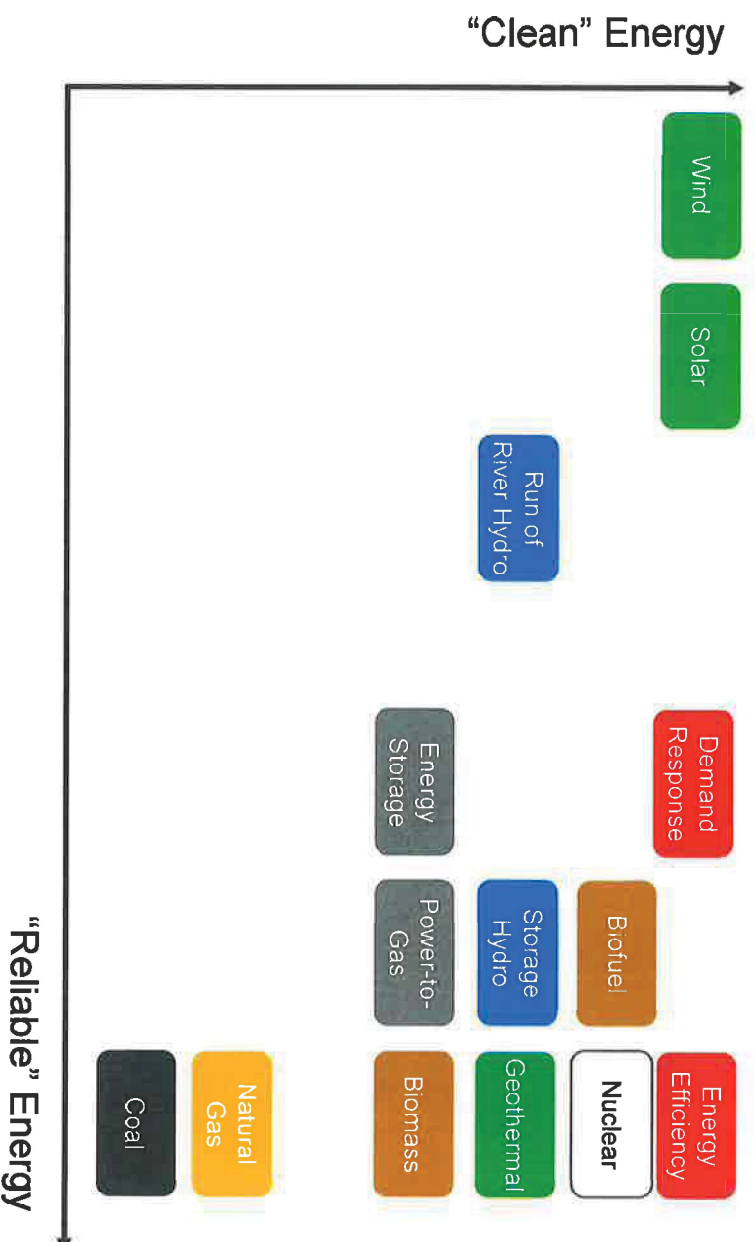


Meeting Customer Load

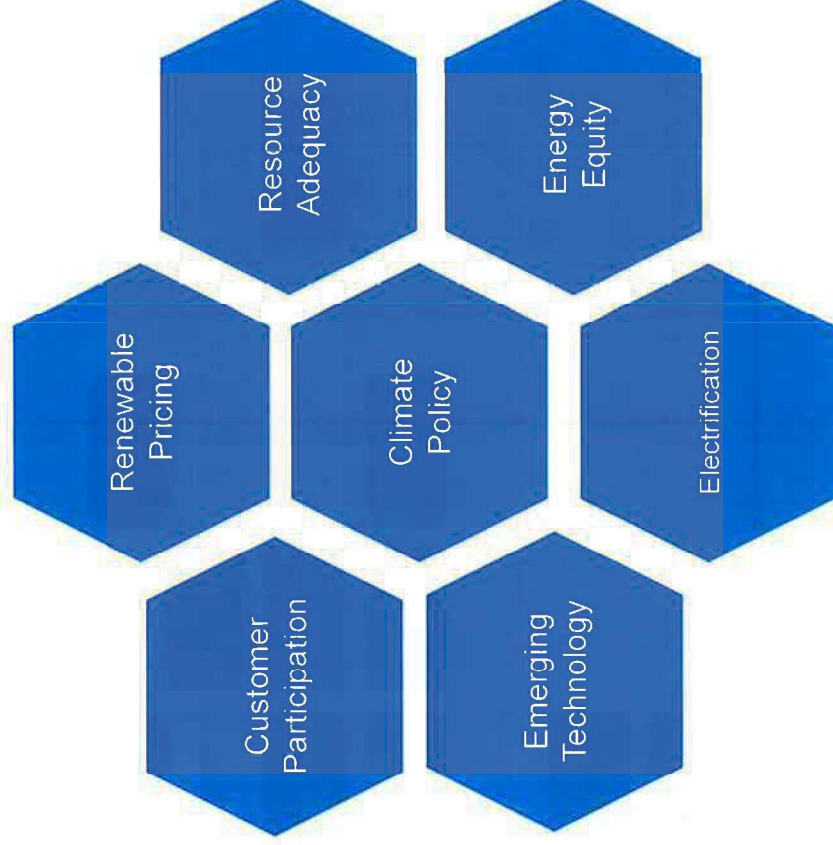
- Utilities must plan to meet future demand to ensure real time operational reliability
- Generation must always equal load
- Summer and winter load profiles are extremely different
- A diverse resource portfolio is required to meet seasonality differences between both loads and resources



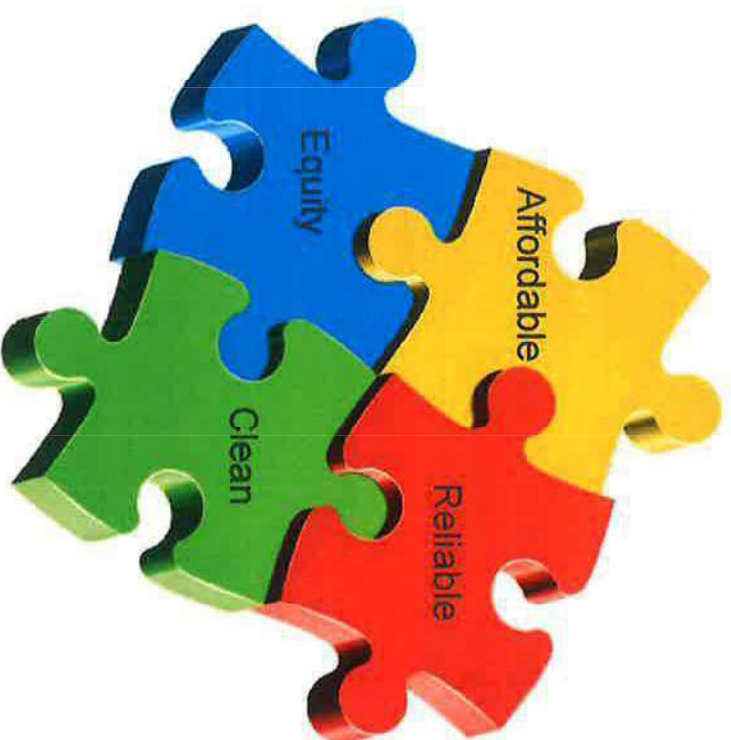
Resource Characteristics – Benefits and Limitations



Emerging Issues and Trends



Solving The Resource Puzzle



Clean Energy Goals – State Comparisons



2019

CCA/CETA/CEIP



None

Carbon Neutral 2027
Carbon Free 2045

No Coal after 2025
Carbon Neutral 2030
Carbon Free 2045



2021

Reduce Carbon 30% 2030
Carbon Neutral 2045

CCA

Reduce Carbon 45% 2030
Reduce Carbon 70% 2040
Reduce Carbon 95% 2050

CPP

Reduce Carbon 50% 2035
- 3.46%/yr 2022-2035

Reduce Carbon 90% 2050
- 2.3%/yr 2036-2050

None



Our Future: A more dynamic power grid

Technology, economic forces, customer / community expectations, and public policy are shaping the power grid of the future.

Along with developing strategies to meet future energy needs, we recognize that climate change threatens every aspect of our society.

Support a pathway to decarbonization and a clean energy future.



Avista's Clean Electric Goals

- Avista's goal is to serve our customers with **100 percent clean electricity by 2045** and to have a **carbon-neutral** supply of electricity by the end of **2027**
- We will maintain focus on **reliability** and **affordability**
- **Natural gas** is an important part of a clean energy future
- **Technologies and associated costs** need to emerge and mature in order for us to achieve our stated goals
- It's **not** just about generation



Providing Cleaner Natural Gas

- We are committed to **reducing greenhouse gas emissions** in our natural gas business too. Our aspirational goal is to reduce natural gas emissions by 30% by 2030 to be carbon neutral by 2045
- Achieving reductions requires an “**all-of-the-above**” approach:
 - **Natural gas supply and distribution opportunities** like renewable natural gas and hydrogen
 - **Upstream strategies** like targeted sourcing with suppliers
 - **Engagement with customers** to increase energy efficiency, demand response, and voluntary programs
- Just like our clean electricity goals, reducing greenhouse gas emissions in our natural gas system will require **advances in technology** and **reductions in the cost** of those technologies
- **Affordability** will guide our decisions



Parts of our forward path

Load reduction of 187 aMW due to Energy Efficiency by 2045

2021-2030

Coal out, contracted NG out
Add new wind
Add pumped hydro
Add upgrades of existing gen
Incorporate demand response

2031-2040

Additional renewable upgrades
Additional demand response
New storage
Retire some NG

2041-2045

Significant new storage needed
Other?

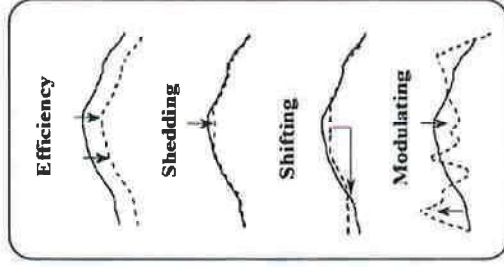
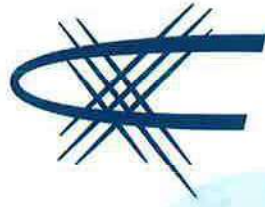
We are making progress on our clean energy goals...

Since announcing our clean electric and natural gas goals over the past four years:

- Three new long-term hydro contracts
- Two new wind contracts
- Western Energy Imbalance Market
- Colstrip exit in 2025
- Three renewable natural gas development agreements
- Promising investments that support long-duration energy storage and natural gas technology

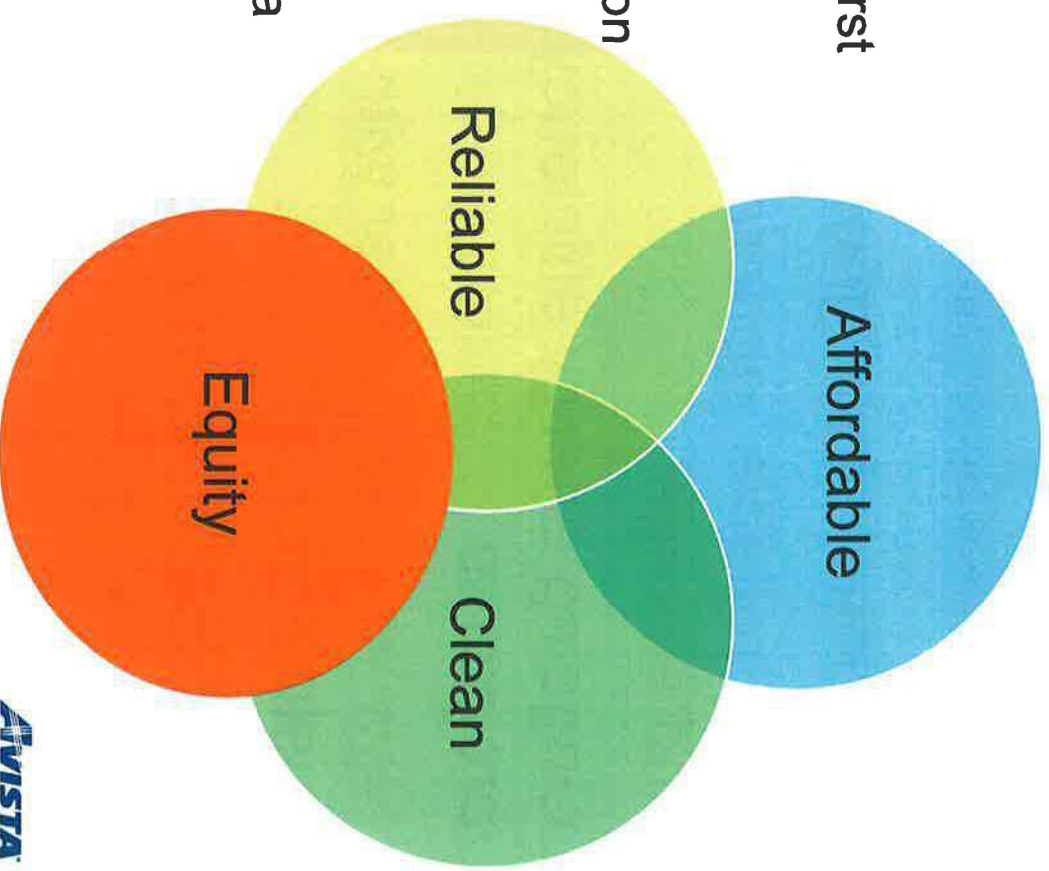


...and it's not just about new generation DOE Connected Communities Grant



We still have work to do!

- Revisiting our goals halfway toward the first milestone
- Staying engaged in policy development
 - Climate Commitment Act in Washington
 - Clean Energy Transformation Act
 - Climate Protection Plan in Oregon
 - Washington Building Codes Council
- Focused on the role of natural gas in a clean, reliable and affordable energy system



Serving our Customers into the Future

- Additional clean generation
- “Controllable” generation and storage
- Ongoing energy efficiency programs
- New ways to partner with customers
- Electric transportation



Federal Grants Update – September 2023

General Updates

- A Federal Grants Program Manager position posted internally (external possible).
- Our grant writer consultant, CFM Advocates, gave some interesting color recently about Washington D.C.'s slowdown in summer, which may be driving the lack of notification about pending grant applications. They also shared that a government shutdown is possible due to the expiration of the federal debt ceiling extension and that if this happens, it could slow or stop new federal grant programs from being announced. (But we'll probably still have to meet application deadlines).
- Avista continues to have monthly grant coordination meetings to build shared understanding of current grant activity, requirements such as the Davis-Bacon Act and Justice40, and requests for support from our community partners.

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Inflation Reduction Act

From IRS Guidance issued in April: [N-2023-29 \(irs.gov\)](#)

- The Department of the Treasury (Treasury Department) and the Internal Revenue Service (IRS) intend to propose regulations (forthcoming proposed regulations) addressing the application of the rules that taxpayers must satisfy to qualify for the energy community bonus credit under §§ 45, 45Y, 48, and 48E of the Internal Revenue Code (Code).
- It does not appear Avista has communities in our service territory that meet the definition of an energy community; however, the communities in and around our thermal plants (Colstrip, Coyote Springs), do meet the definition. We have meetings scheduled with folks from Finance, Strategy and Power Supply to better understand the implications of this. Here's a link to DOE's Energy Community Tax Credit Bonus map. [IRA Energy Community Tax Credit Bonus \(doe.gov\)](#)

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From What states and utilities need to know about the new IRA program guidance | CLEARResult

- On July 27, the [U.S. Department of Energy \(DOE\)](#) released guidance for the IRA's two home energy rebate programs—the [Home Efficiency Rebates Program](#) (previously HOMES) and the [Home Electrification and Appliance Rebates Program](#) (previously HEEHRA). This signals the beginning of the application process for states and territories and is an exciting milestone for households interested in energy efficiency and electrification upgrades across the country.
- The new guidelines and application requirements aim to make these programs easy for people to participate in, provide opportunities for states to begin programs as soon as this year, and strongly encourage [collaboration](#) between these new initiatives and existing utility programs. It will take time for states and territories to develop their plans and apply, but with this guidance in place, we are one step closer to billions of dollars of home energy rebates reaching people in every state.
- The application process is complex, and it will likely be several weeks or months before many states and territories are ready to submit their program applications for DOE approval. The list of requirements applicants must address is large, including 78 items for the Home Efficiency Rebates Program and 64 for the Home Electrification and Appliance Rebates Program. Certain items can be deferred and addressed in the State Implementation Blueprint, which must be submitted after the award is given and at least 60 days before the planned program launch.

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IIJA Updates

Grant	Avista Project	Grant Amount \$	Required Match \$	Status
DOE Grid Resilience & Innovation Partnerships (GRIP)	Wildfire Risk Mitigation Program	\$50M (Five Years)	\$50M	Submitted 4/6, awaiting notification
DOE GRIP	Community Grid Platform	\$17M	\$19M	Submitted 3/17, awaiting notification
DOE Hydroelectric Efficiency Improvement Incentives Sec. 243	- Post Falls - Upper Falls - Noxon Rapids	Up to \$5M per project	No	Submitted 6/20, awaiting notification
DOE Maintaining & Enhancing Hydroelectricity Incentives Sec. 247	Multiple Projects across 3 categories: Dam Safety, Environmental, Grid Resiliency Selected for application: - Long Lake Modernization - Cabinet Gorge Fishway - Little Falls Fishing Platform	Varies – \$240K to \$5M	No	15 Letters of Intent Submitted 5/22, full applications due 10/6/23 – Projects for full submission selected 8/30 – in process of full application
Energy Improvements in Rural or Remote Areas	Spokane Tribe Geothermal Project	Up to \$5M	No	Pre-application submitted 7/13, full application due 10/12 – Expecting notification to proceed to full application Aug. 31

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IIJA Updates

Grant	Project	Grant Amount \$	Avista Role	Status
ZAP (Zero-emissions Access Program) – WA Dept. of Transportation	GU EVs for public and coop rentals	\$450,000	EV Chargers	Awarded
Clean School Bus Program – US EPA	Electric Buses	Up to \$50,000 per site	Outreach, EV chargers	Awarded
USDA Carbon Reduction	Kettle Falls Re-rate Project/Myno	\$40M	Kettle Falls Owner	Awarded, pending NEPA Approval
DOE Grid Resilience & Innovation Partnerships (GRIP), National Science Foundation	Regional Energy Platform for Grid Resiliency, Innovation and Decarbonization (Intent)	\$1M	Partner	Awarded
Solar Plus Storage for Resilient Communities (WA Dept. of Commerce)	Martin Luther King Jr. Community Center	Up to \$5M	Battery installation	Submitted 3/23, Notified in Aug. that we were awarded maximum allowance of \$1.5M
DOE Tribal Formula Grant Funding for Energy Resilience	Spokane Tribe, potentially others grid hardening	\$991,000	Sub-recipient	Submission deadline extended, in-process

As we build solutions to navigate this clean energy transition over the next several years, decades, and beyond – our touchstone will always be our customers and communities.

It's our responsibility, our challenge, and our privilege.

