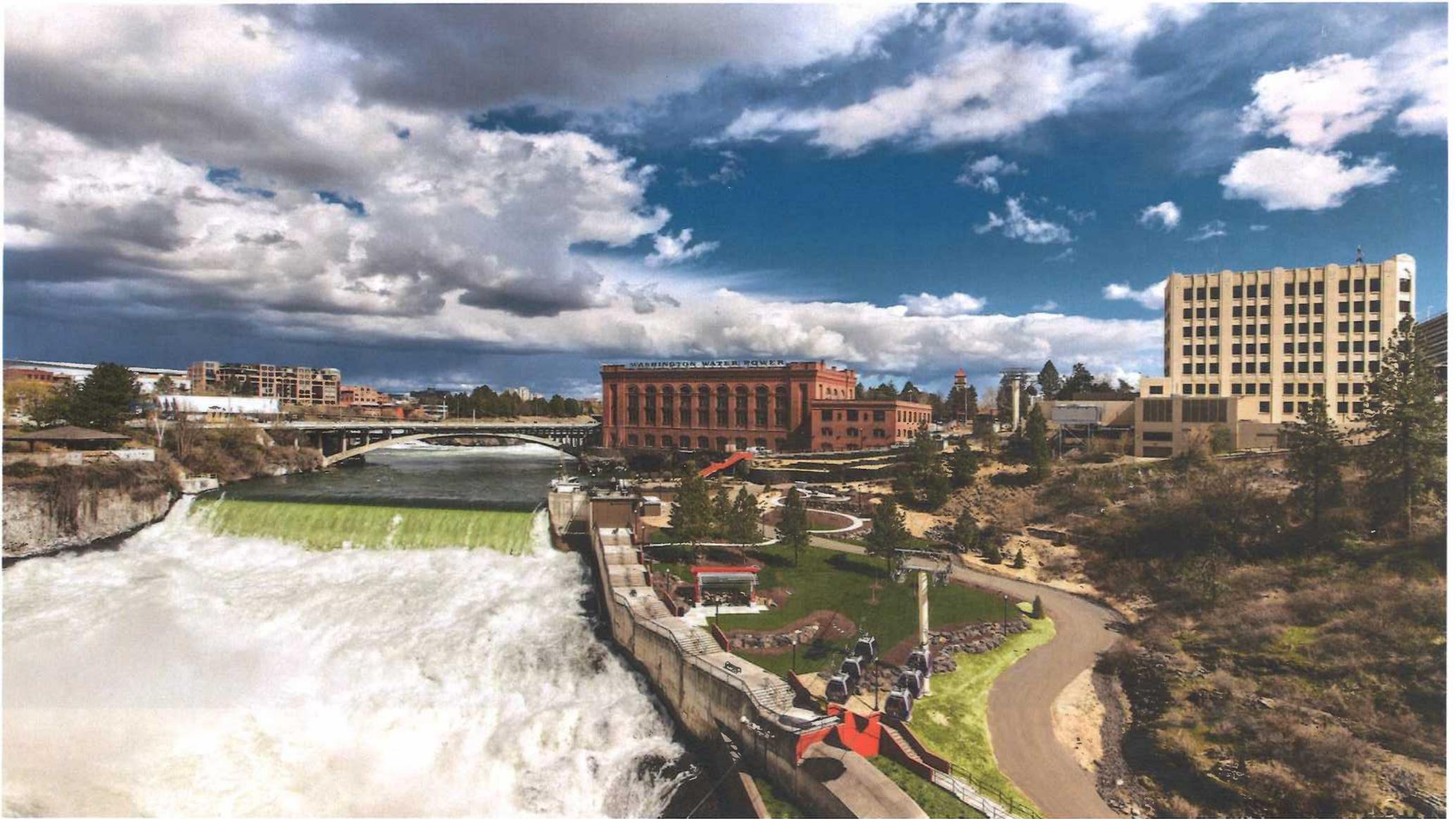




Powering our Future

Paul Kimmell, Business and Public Affairs

Whitman County Planning Commission, April 16, 2025

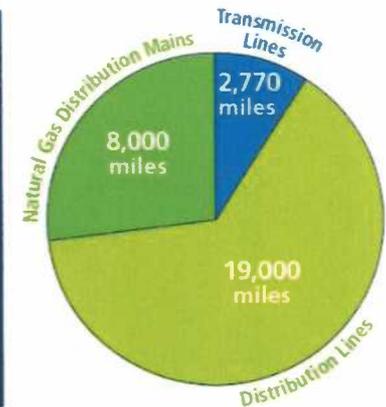
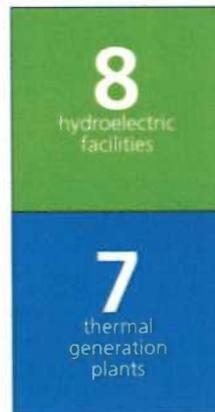
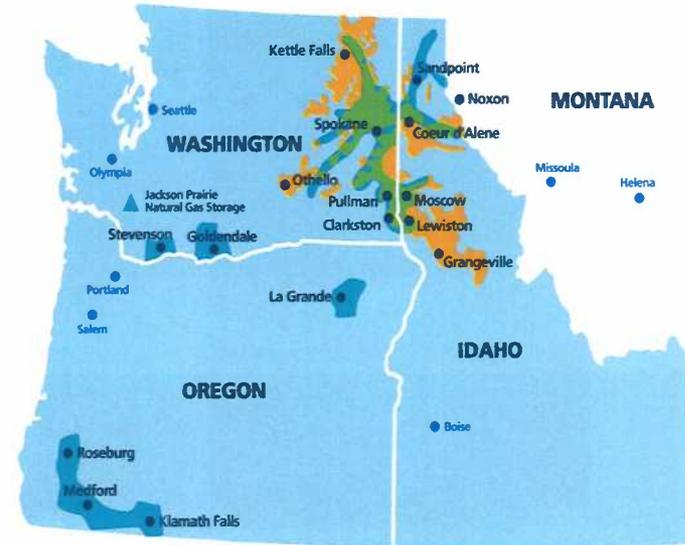


Avista at a glance

- Incorporated in the territory of Washington in 1889 – 136 Years Old!
- Primarily a regulated electric and natural gas utility
- Operating Revenue - \$1.4 billion
- Shareholder Equity - \$2.2 billion
- At the end of 2023, employed 1,800 people at Avista Utilities and 65 in our subsidiary businesses (including Alaska Electric Light & Power)
- Generation portfolio is 60% renewable

**Avista
Electric and
Natural Gas
Service Areas**

Electric ■
Natural Gas ■
Electric and Natural Gas ■



Avista Generation Capability of Company- Owned Resources and Service Territory



Washington CUSTOMERS

Electric 270,831
Natural Gas 177,373

Idaho CUSTOMERS

Electric 145,849
Natural Gas 95,298

Oregon CUSTOMERS

Natural Gas 104,029

Hydroelectric GENERATION CAPABILITY (MW)

1	Noxon Rapids (Noxon, MT)	562.4
2	Cabinet Gorge (Clark Fork, ID)	273.0
3	Long Lake (Spokane, WA)	88.0
4	Little Falls (Spokane, WA)	48.0
5	Nine Mile (Spokane, WA)	40.6
6	Post Falls (Post Falls, ID)	11.9
7	Monroe Street (Spokane, WA)	15.0
8	Upper Falls (Spokane, WA)	10.2
Total Hydroelectric Capability		1,049.1

Non Utility-Owned or Operated GENERATION CAPABILITY (MW)

16	Lancaster N.G. (fired) (Rathdrum, ID)	270.0
17	Palouse Wind (Oakesdale, WA)	105.0
18	Rattlesnake Flat Wind (Adams County, WA)	144.0
19	Clearwater Wind (Miles City, MT)	97.5
PURPA Facilities		134.1
Mid-Columbia Hydro		273.7
Columbia Basin Hydro		8.3

Thermal GENERATION CAPABILITY (MW)

9	Coyote Springs 2 (Boardman, OR)	322.0
10	Kettle Falls Combustion Turbine (Kettle Falls, WA)	6.9
11	Rathdrum Combustion Turbines (Rathdrum, ID)	166.5
12	Northeast Combustion Turbines (Spokane, WA)	64.8
13	Kettle Falls Biomass Plant (Kettle Falls, WA)	53.5
14	Boulder Park (Spokane, WA)	24.6
15	Colstrip (Units 3&4) (Colstrip, MT)	222.0
Total Thermal Capability		860.3

**Total Owned
Generating Capability**
(as of 12/31/2023) **1,909.4**

By the Numbers

states	4
square miles	30,000
population	1,700,000
electric customers	406,000
natural gas customers	372,000
employees	1,800

By the Numbers

2,775
miles

transmission lines

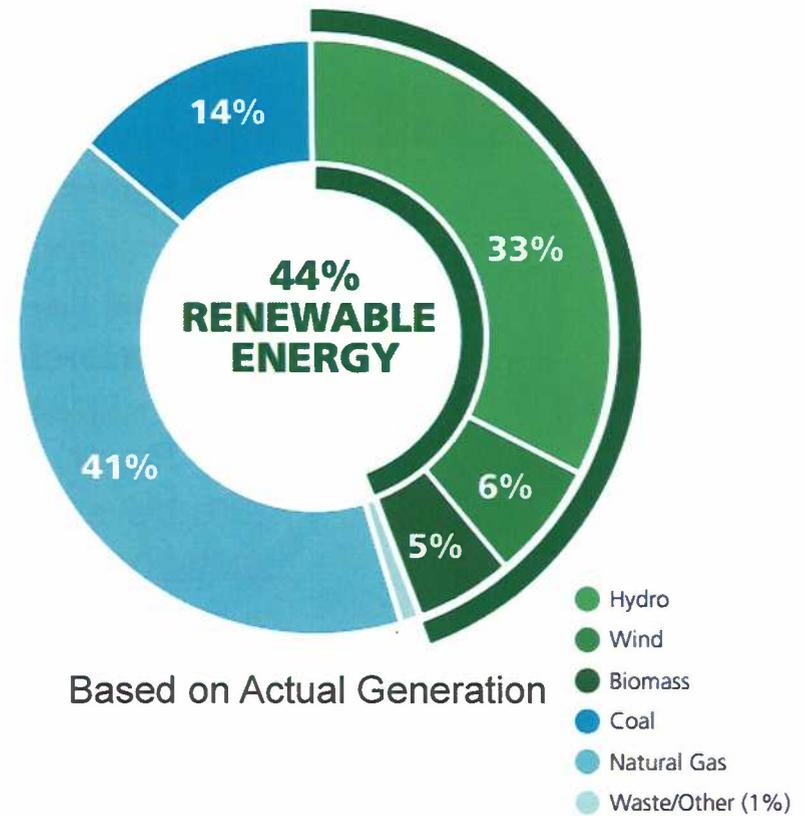
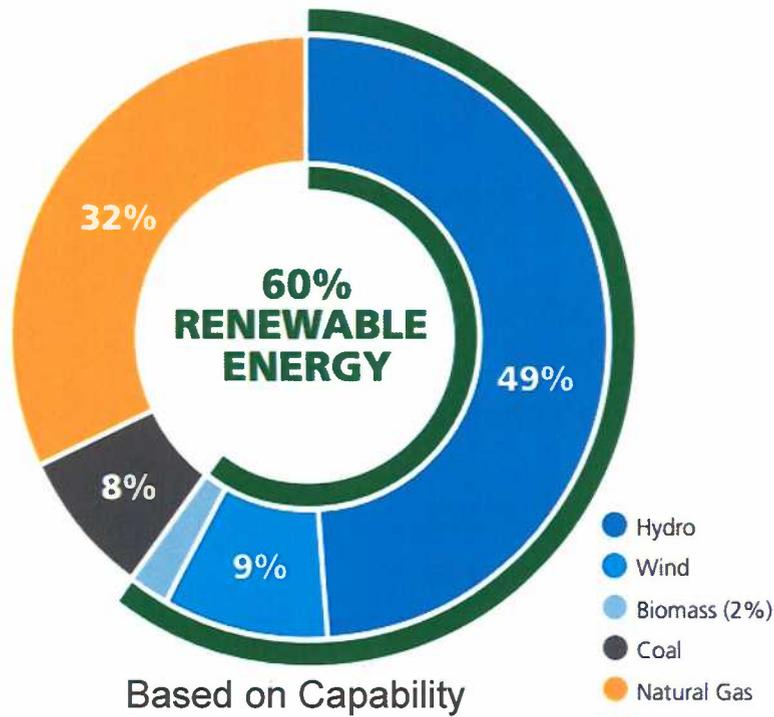
19,200
miles

distribution lines

8,000
miles

natural gas
distribution mains

Avista's 2023 Supply Mix



With a 136 year history of innovation



Itron

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

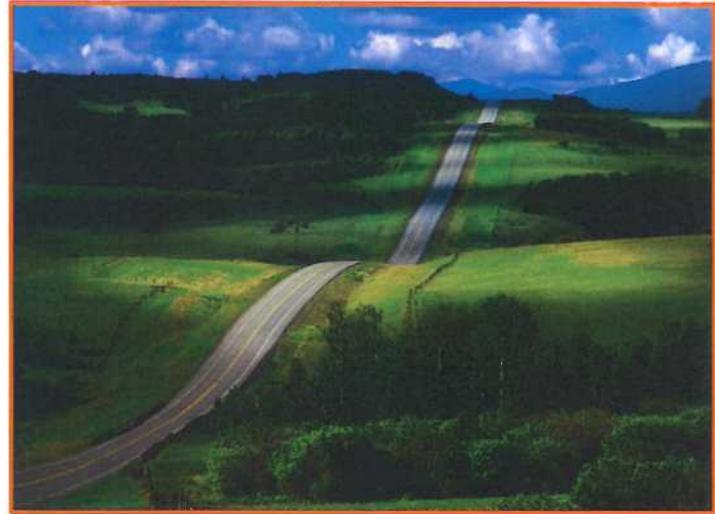


Reli-On
+ -



ecova

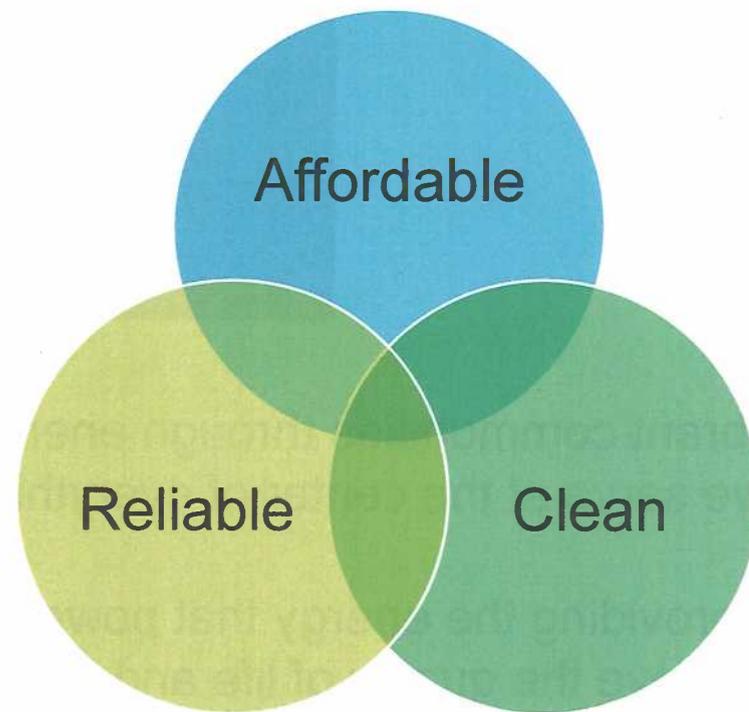
STRENGTHENING COMMUNITIES



Our **Mission** is to enable vibrant communities through energy. ***Safely. Responsibly. Affordably.*** We put those we serve at the center of everything we do.

Our **Purpose** goes beyond providing the energy that powers the daily lives of our customers. We're here to improve the quality of life and to enhance the strength, health, and vitality of the communities we serve, and the communities we call home.

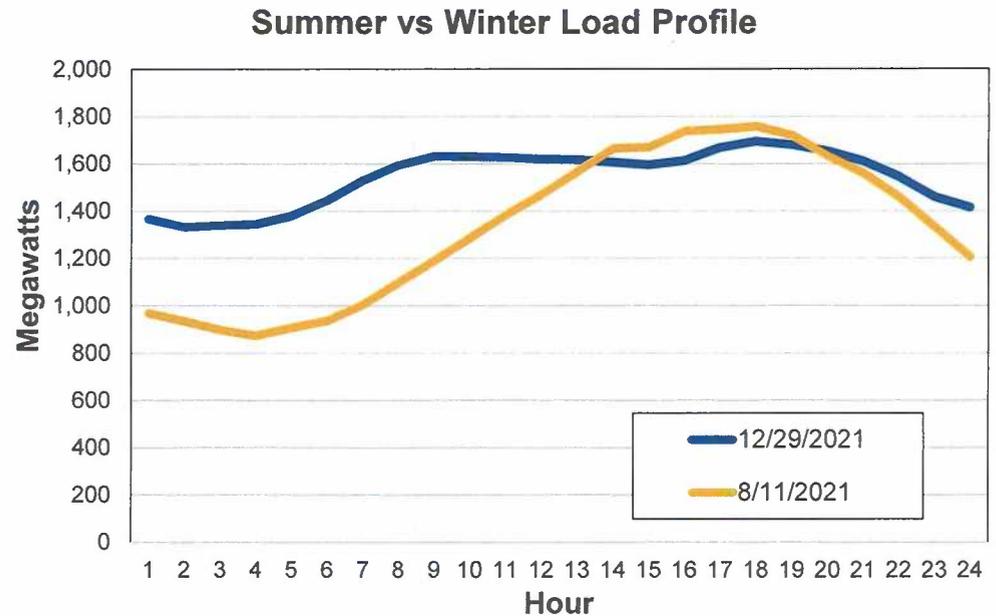
Resource Planning - The Utility Balancing Act





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



Hydroelectric



Natural Gas



Coal



Biomass



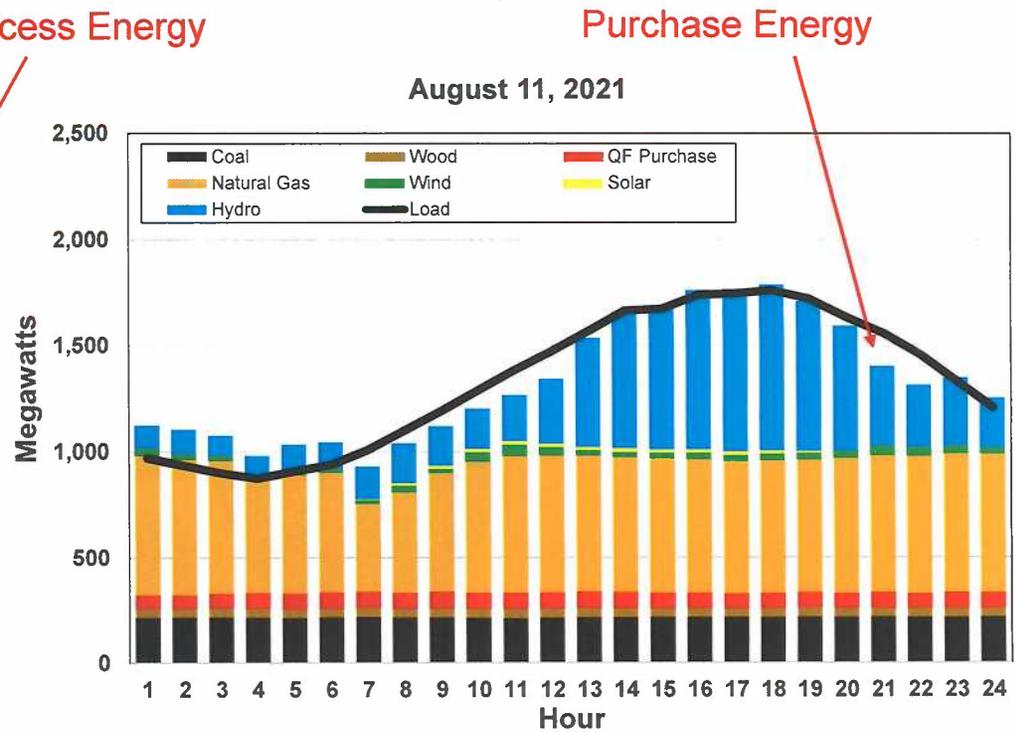
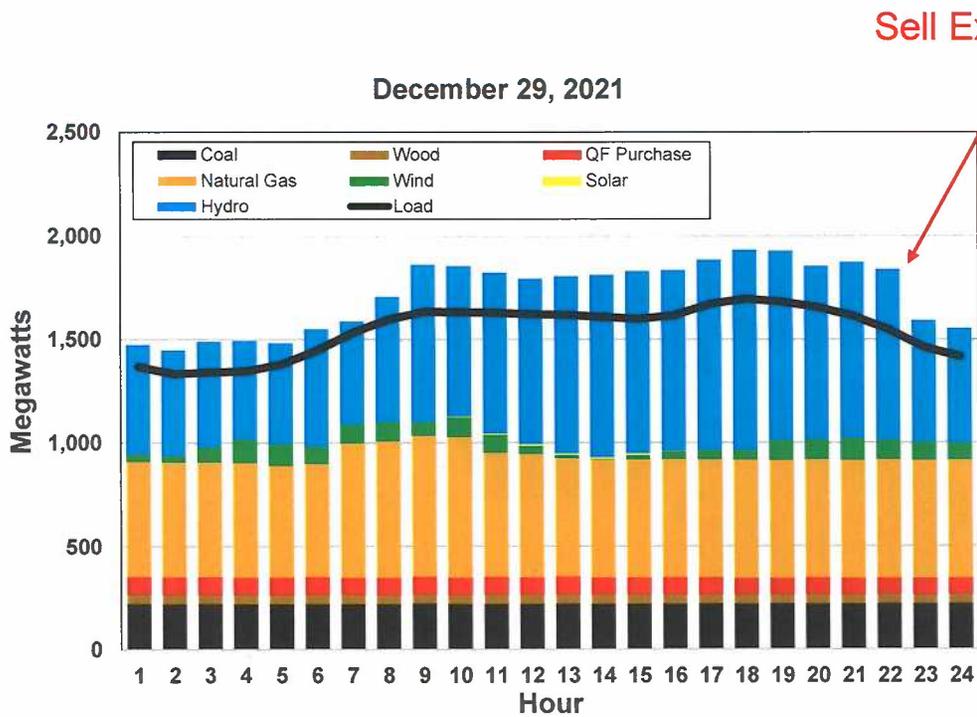
Wind



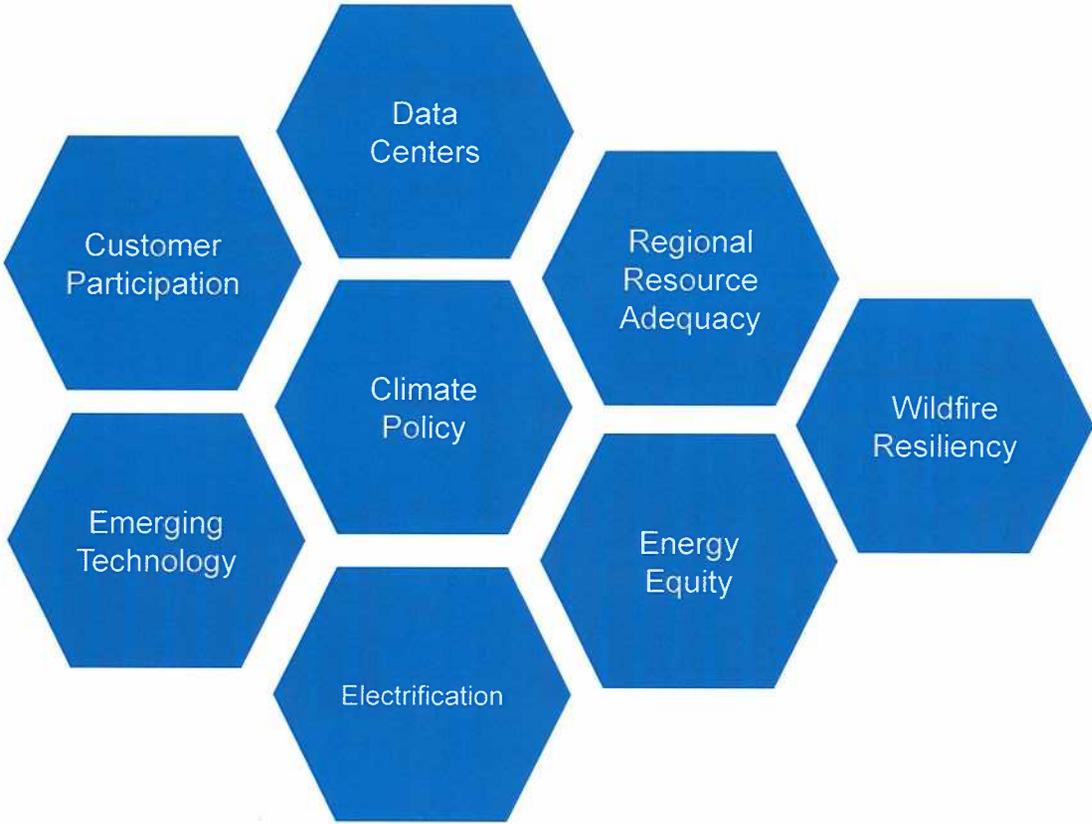
Solar

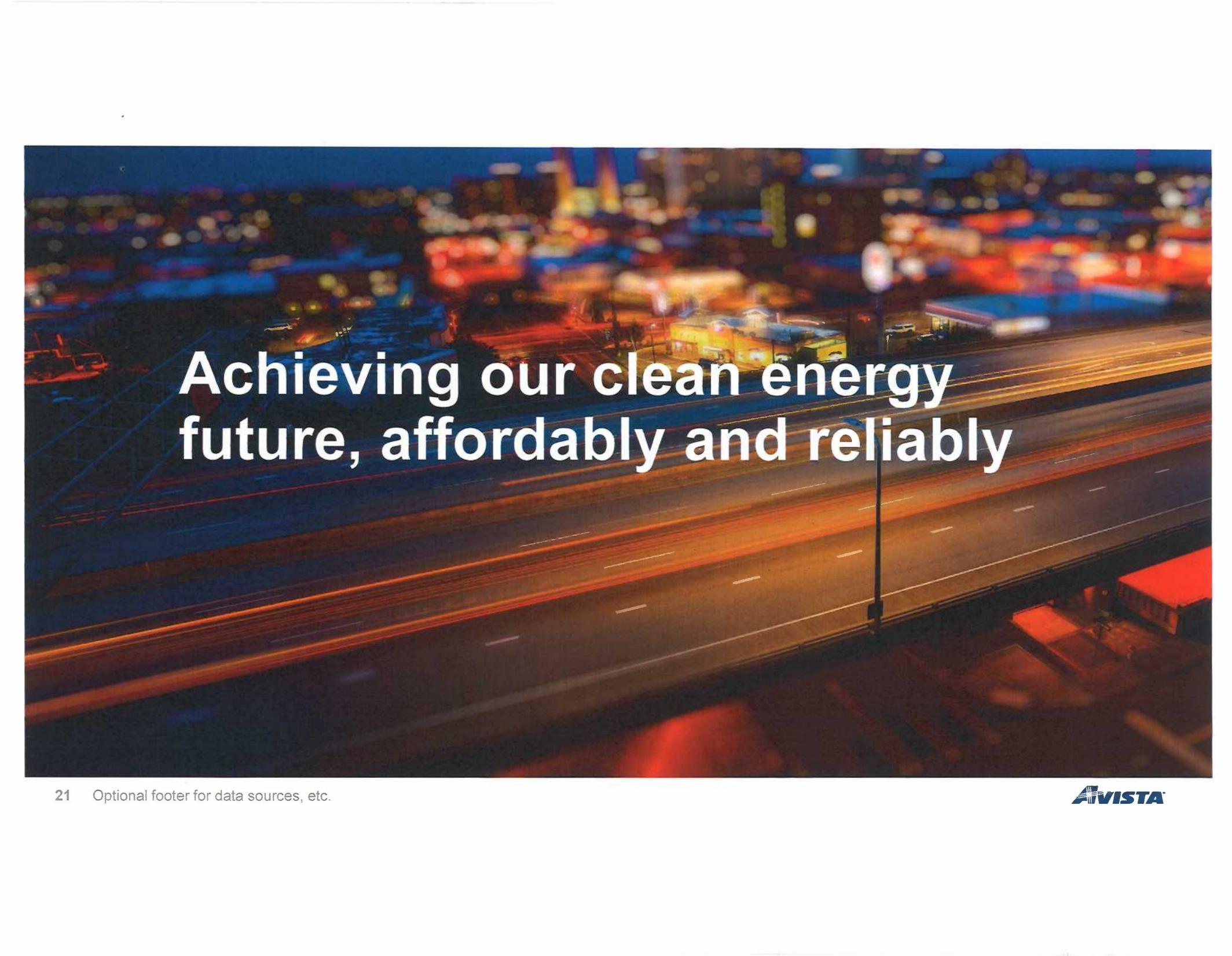


Balancing the Day



Emerging Issues and Trends

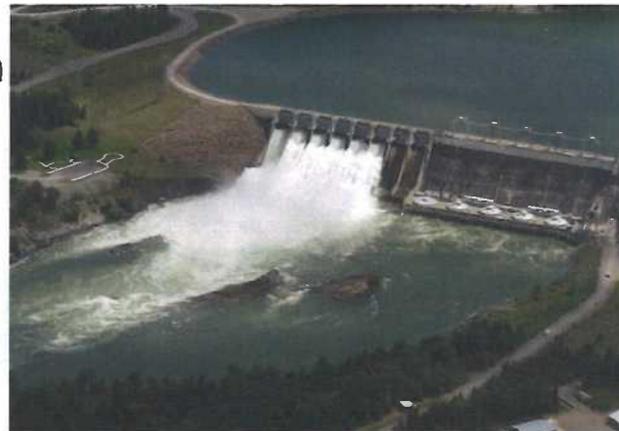


An aerial night photograph of a city. The foreground is dominated by a multi-lane highway with long, horizontal light trails from moving vehicles, primarily in shades of orange and red. The background shows a cityscape with various buildings, some brightly lit, and a dark sky. The overall scene is a blend of urban activity and nighttime tranquility.

**Achieving our clean energy
future, affordably and reliably**

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



AVISTA

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 / solar / battery
- Consider pumped hydro
- Add upgrades of existing gen
- Incorporate demand response

2031-2040

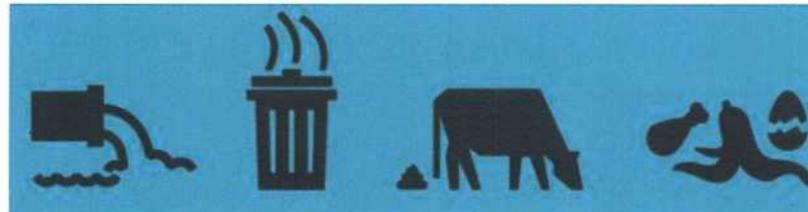
- Additional renewable upgrades
- Additional demand response
- New storage
- Retire some NG

2041-2045

- Significant new storage needed
- Other?

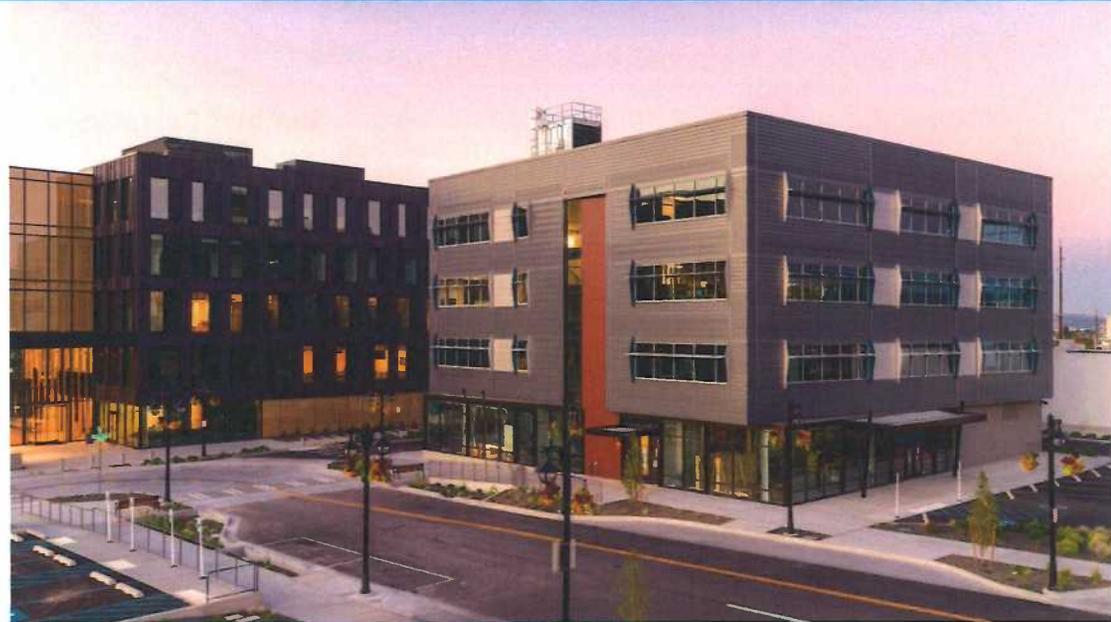
Providing Cleaner Natural Gas

- 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

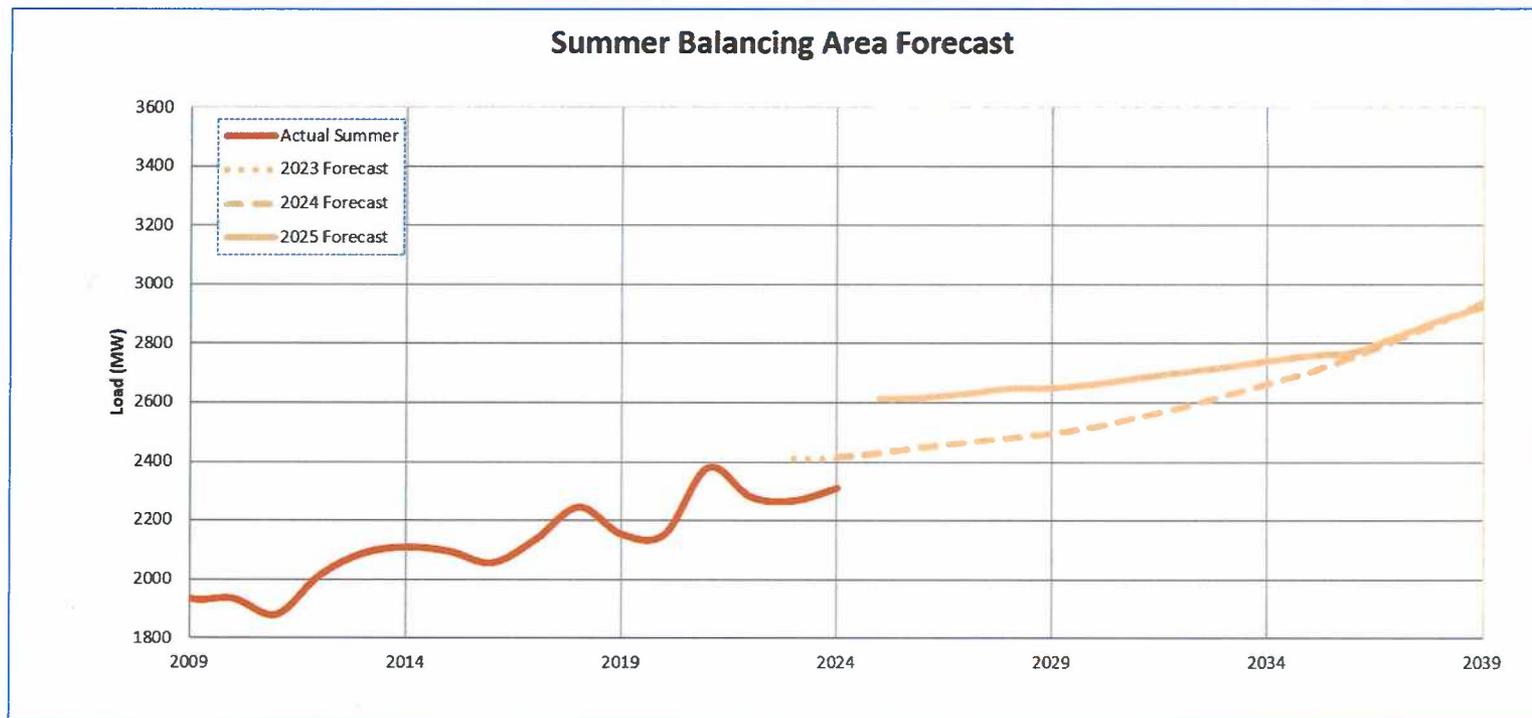


Serving our Customers into the Future

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



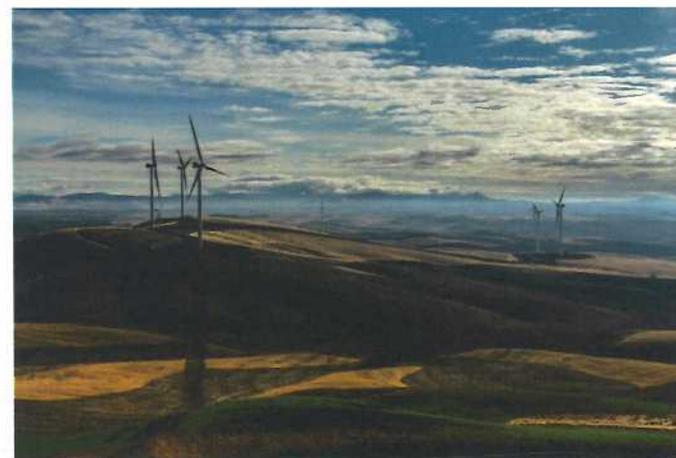
Electric Load Growth



Avista's 2025 All-Source RFP

Avista's [Integrated Resource Plan](#), filed on December 31, 2024, identified an energy resource shortfall within four years, which triggers this All-Source Request for Proposal process. Avista intends to secure energy resources through one or more resource types to meet this shortfall. Bidders are welcome to propose resource opportunities that meet any of Avista's needs.

As part of the selection process, **Avista will measure** the strength of each project's proposal based on, but not limited to, **its overall impact on future cost to customers, the ability to offset market purchases, provide dispatch flexibility, contribute to future resource adequacy requirements, and help Avista equitably achieve its clean energy goals.** Avista welcomes proposals for projects that contribute to a portion or all of Avista's future resource needs.



Avista's 2025 All-Source RFP

As identified in Avista's 2025 All Source RFP, Avista is seeking resources to meet its Winter and Summer capacity needs along with pursuing Demand Response programs. A summary of Avista's resource request is below:

- Between 75 and 375 MW of winter capacity by 2029 or earlier;
- Between 50 and 350 MW of summer capacity by 2029 or earlier;
- Up to 200 aMW of renewable or non-emitting resources; and,
- Demand response starting as early as 2026.

The 2025 All-Source RFP is currently awaiting Commission approval and Avista has set a tentative date of May 30, 2025 to release the RFP for solicitation. Depending on the outcome of Avista's filing with the Washington UTC, these dates may change.



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.



