Clean Energy Implementation Plan

Energy Resiliency

March 26th, 2024 – First Quarter Public Participation Meeting

Agenda

Topic	Speaker
Introduction | Welcome	- Mike Magruder, Director of Transmission Ops & System Planning - Josh DiLuciano, VP Energy Delivery, Executive Officer
CETA Overview	Dan Blazquez, Customer Engagement Manager
Energy Resilience	John Gross, Manager System Planning
Q&A	Attendees
March 22 Meeting Outcome	Dan Blazquez, Customer Engagement Manager
Wrap and Adjourn	Dan Blazquez, Customer Engagement Manager

Clean Energy Implementation Plan

Energy Resilience

07:30 AM | March 26, 2024

Mike Magruder
Director of Transmission Ops & System Planning

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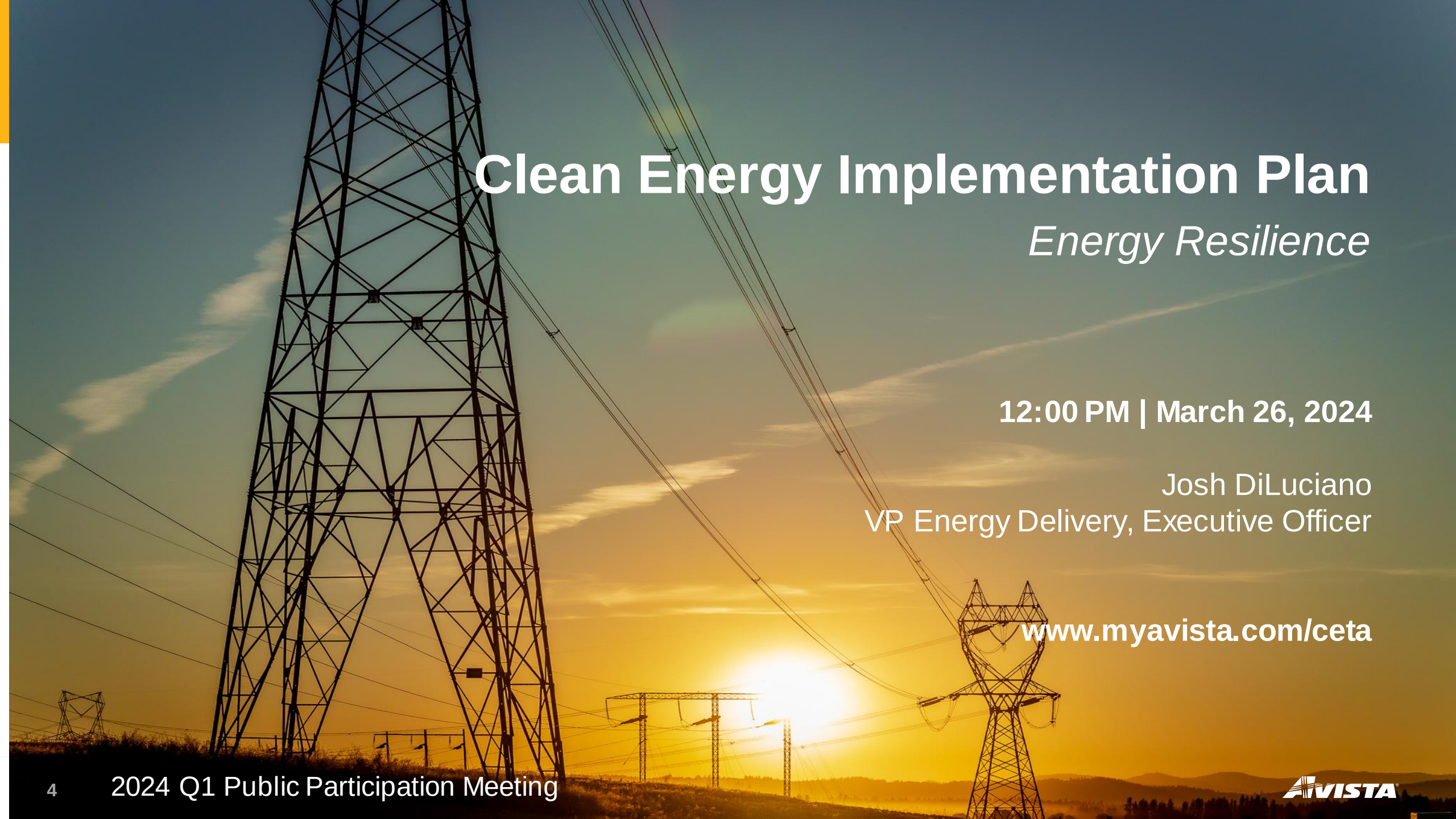

Clean Energy Implementation Plan

Energy Resilience

12:00 PM | March 26, 2024

Josh DiLuciano
VP Energy Delivery, Executive Officer

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CLEAN ENERGY TRANSFORMATION ACT
(CETA)

Dan Blazquez, Customer Engagement 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 (coal-fired resources eliminated)

2030 – GHG-Neutral (electric supply must be greenhouse gas (GHG) neutral)

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

Clean Energy Transformation Act - Washington State Department of Commerce

Clean Energy Implementation Plan (CEIP)

Integrated Resource Plan (IRP)

20-year resource plan identifying lowest reasonable cost resource mix

Clean Energy Action Plan (CEAP)

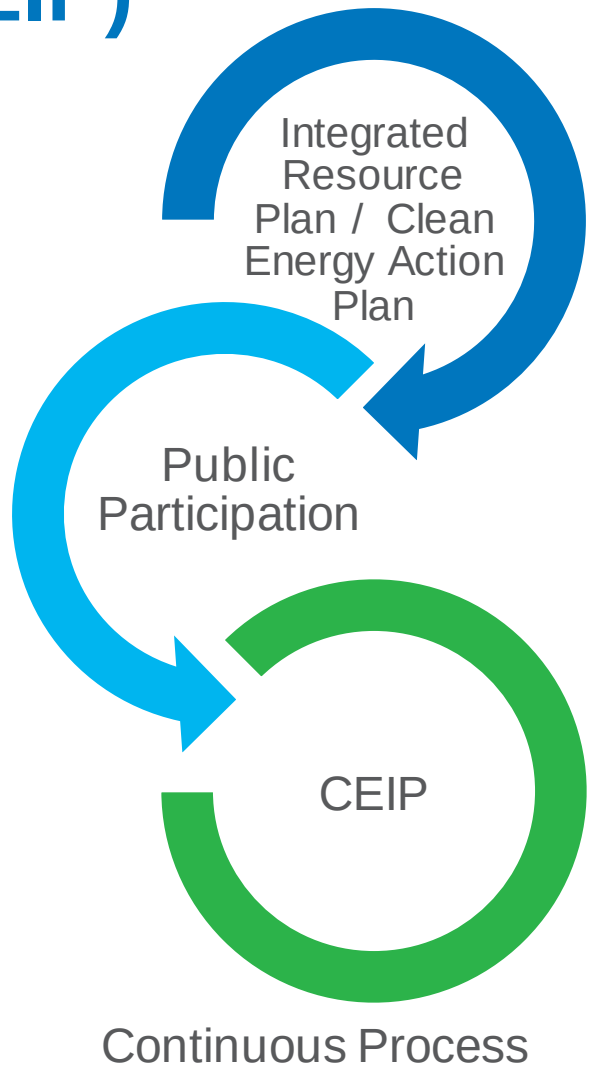
10-year targets for complying with clean energy supply standards

Clean Energy Implementation Plan (CEIP) 2022-2025

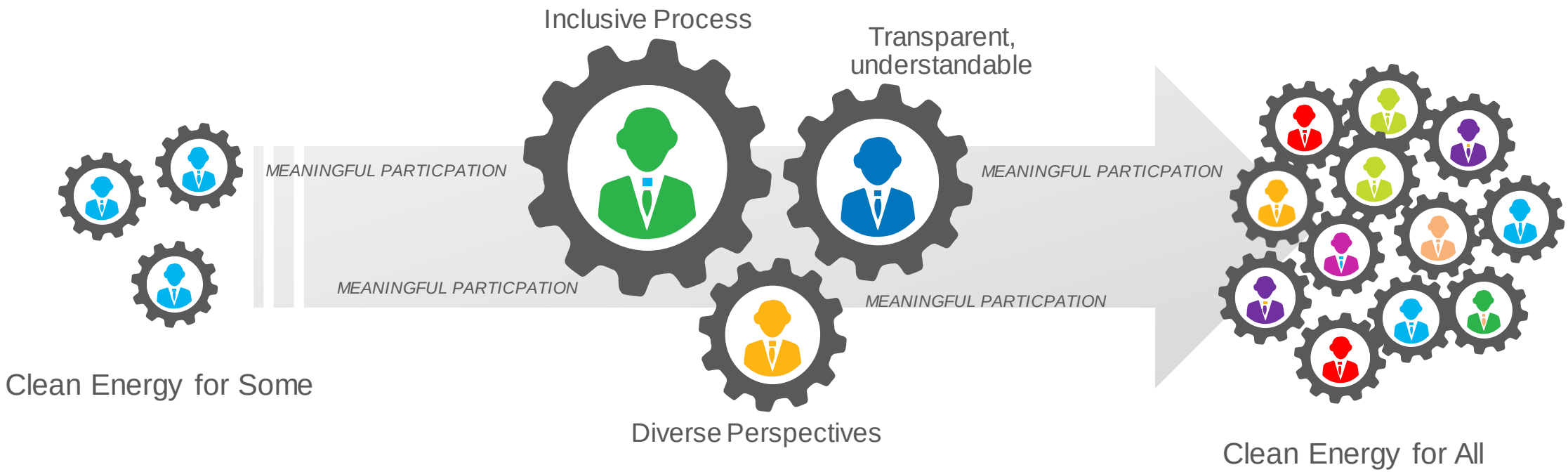
4-year plan establishing actions the utility will take to comply with CETA:

- Interim Targets
- Specific Targets
  - Demand Response
  - Energy Efficiency
  - Renewable Energy
  - Other

- **Customer Benefit Indicators/Metrics**
- **Informed by Public Participation Process**



Transition to Clean Energy



Avista is Committed to a Clean Energy Future for all Avista Customers

CEIP 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

Energy Resilience

Our Clean Energy Future

John Gross, Manager System Planning

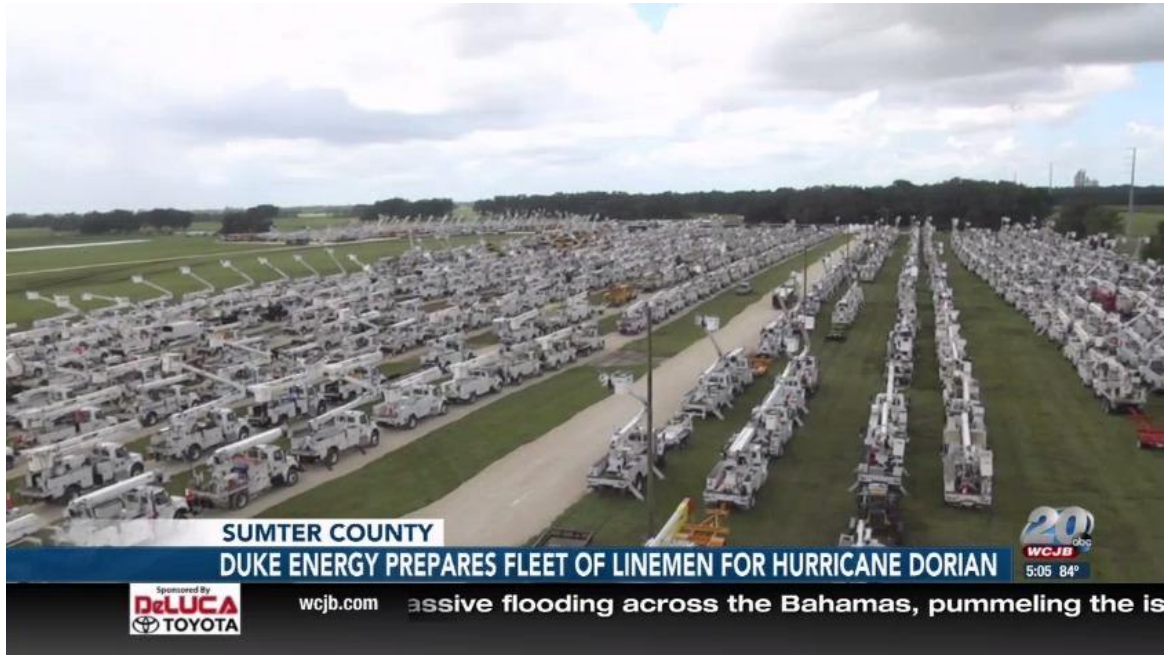
Better Energy for Life

Palouse Wind Project, Oakesdale, Washington.

Reliable and Resilient

Reliable service = no interruptions

Resilient service = ability to recover



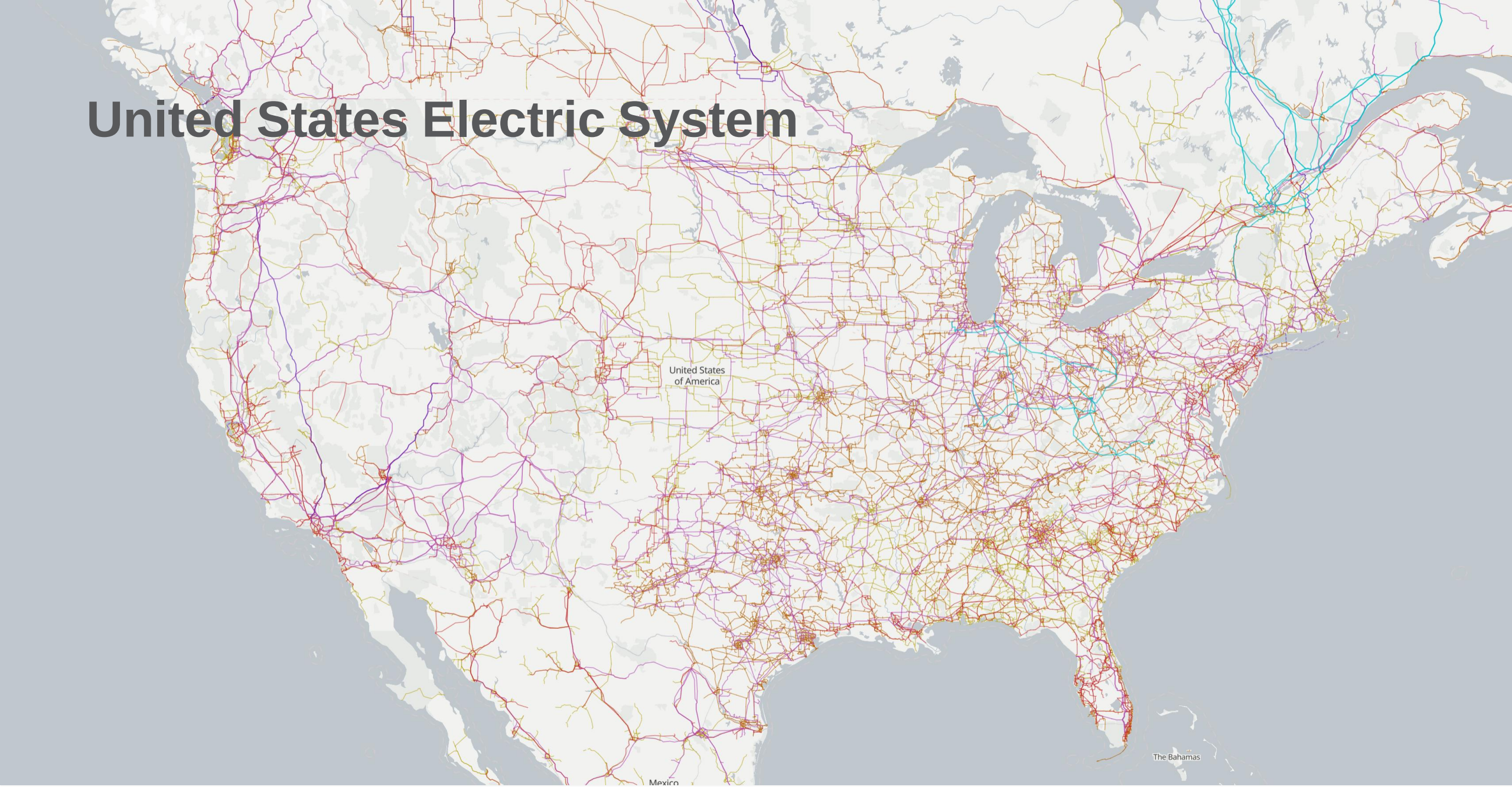
Electric System Overview

13 Monroe Street Dam powerhouse, Spokane, Washington. 1890

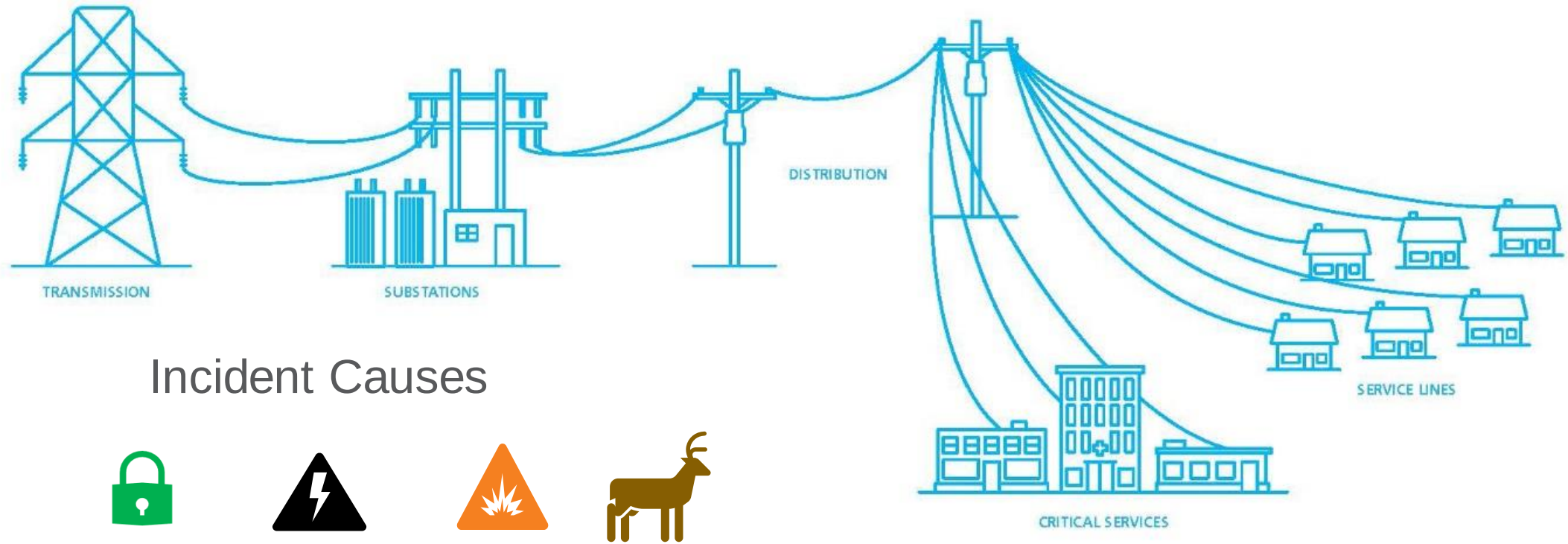
Supply and Demand

Avista Utilities - YouTube

United States Electric System



Components of the Electric System



Incident Causes

Vehicles

Security

Lightning

Failure

Animal

Wind

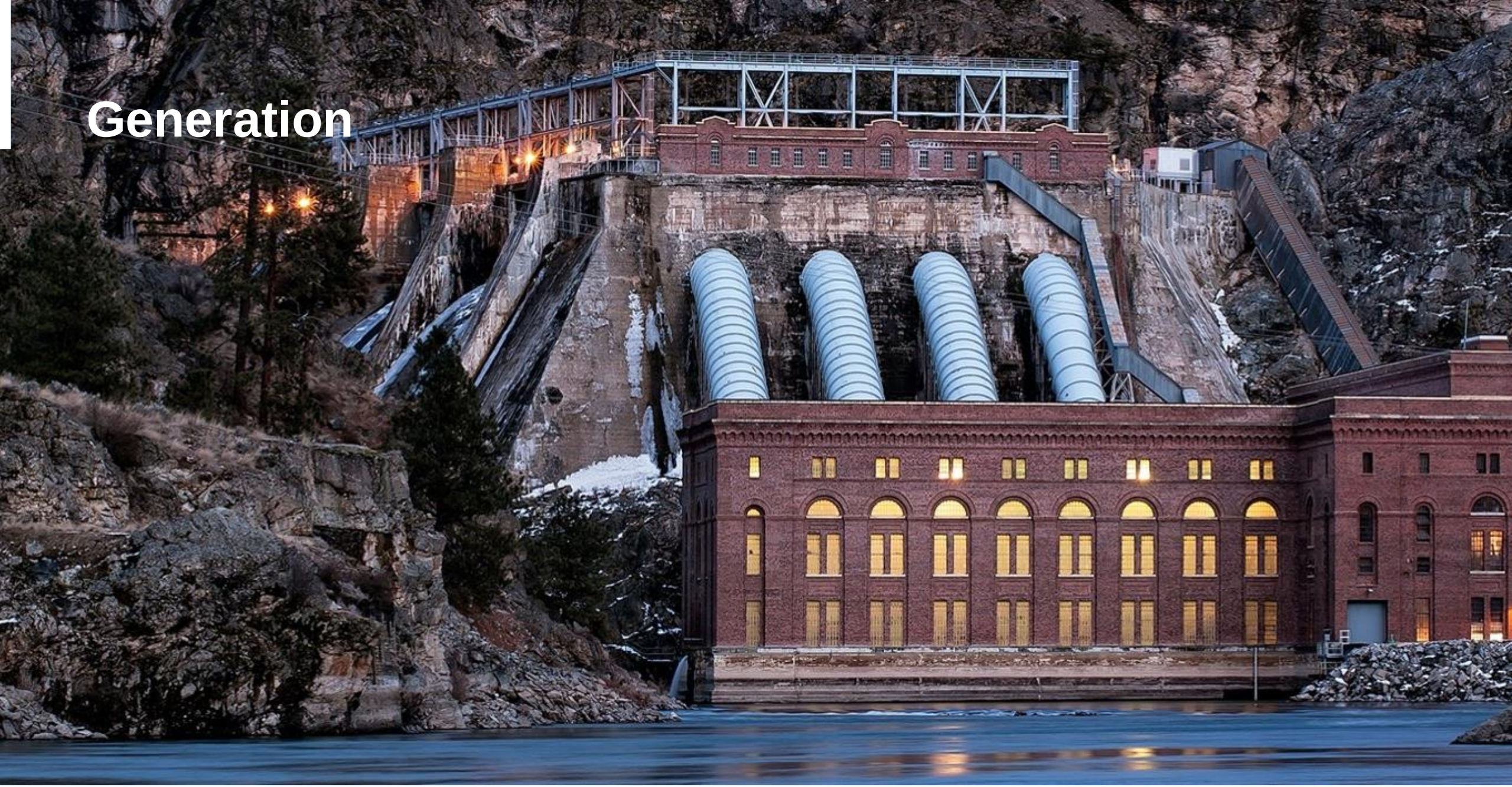
Wildfire

Heat

Cold

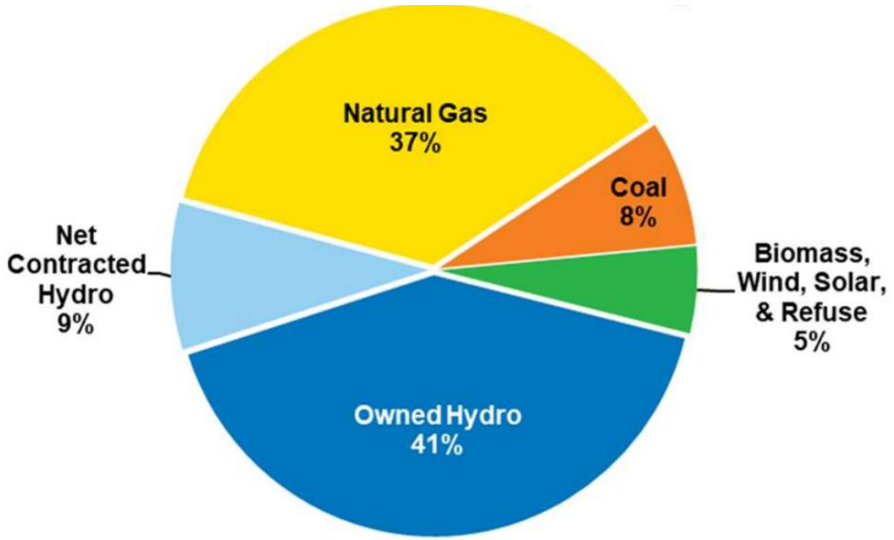
Dig-In

Generation

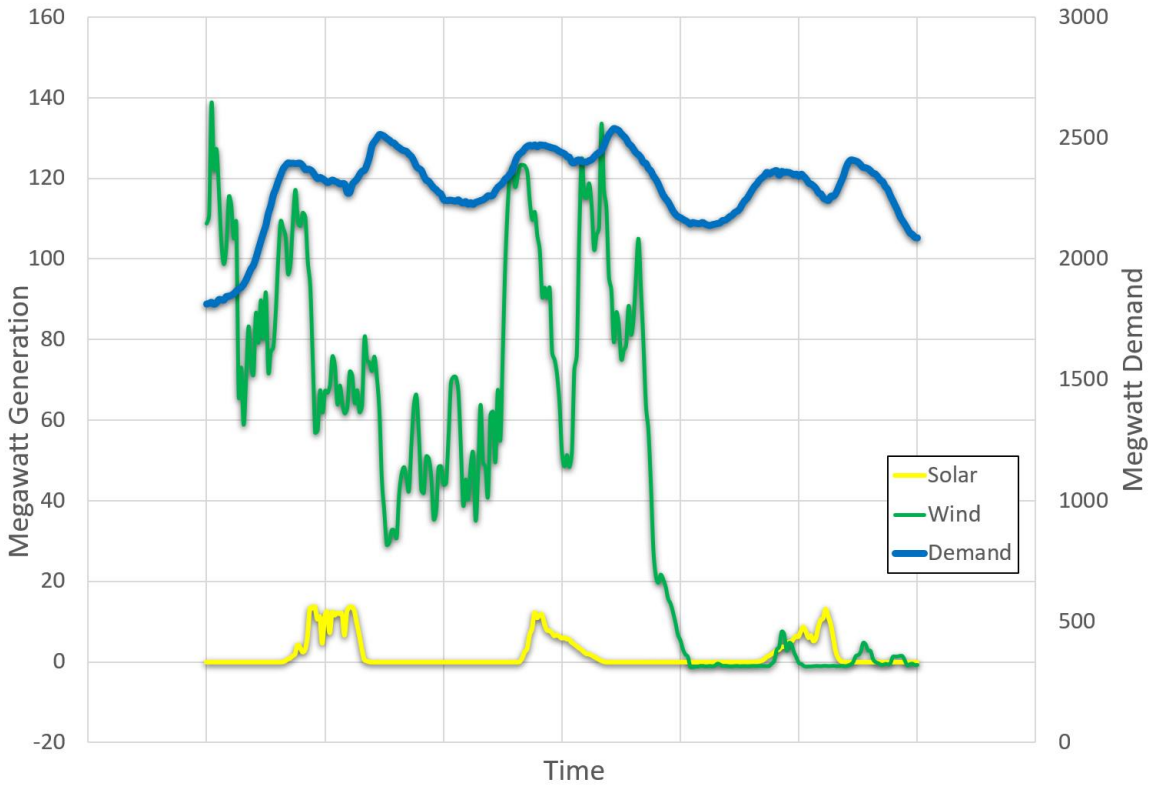


Generation Portfolio and Performance – Winter

Winter Peak Capability

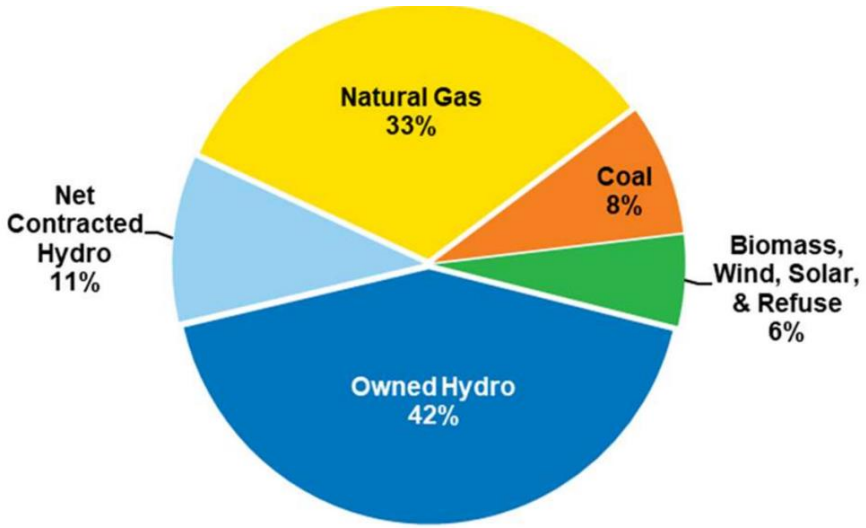


Winter Performance

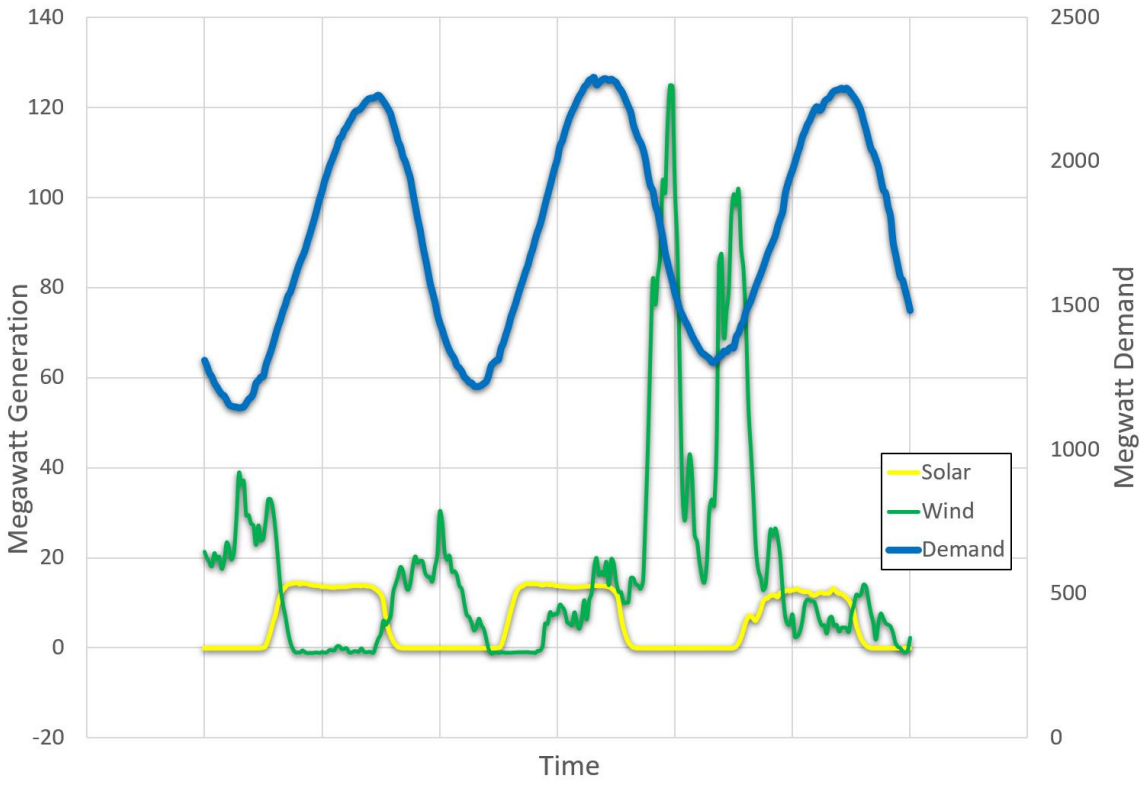


Generation Portfolio and Performance – Summer

Summer Peak Capability

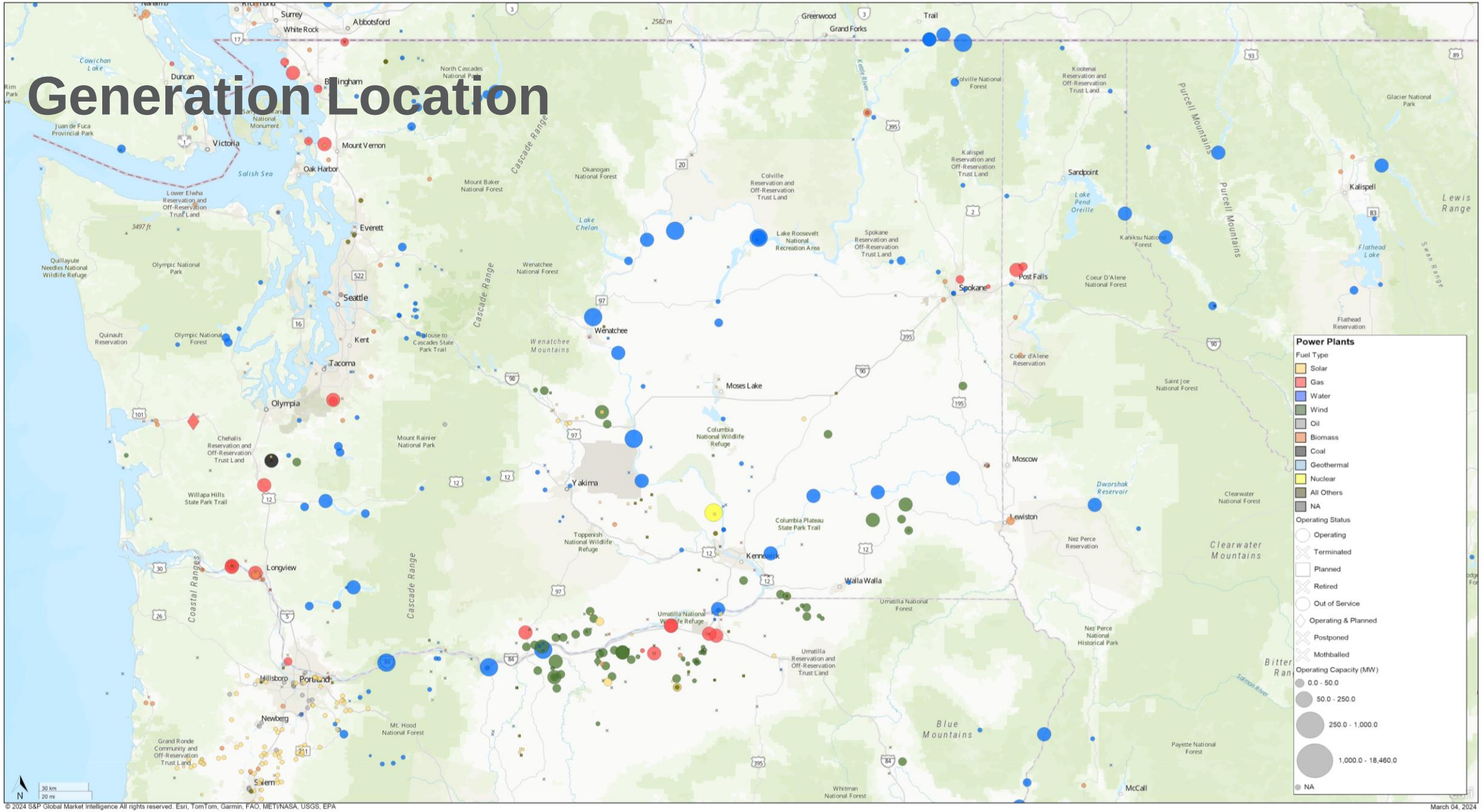


Summer Performance



S&P Capital IQ PRO

Generation Location



March 04, 2024

AVISTA

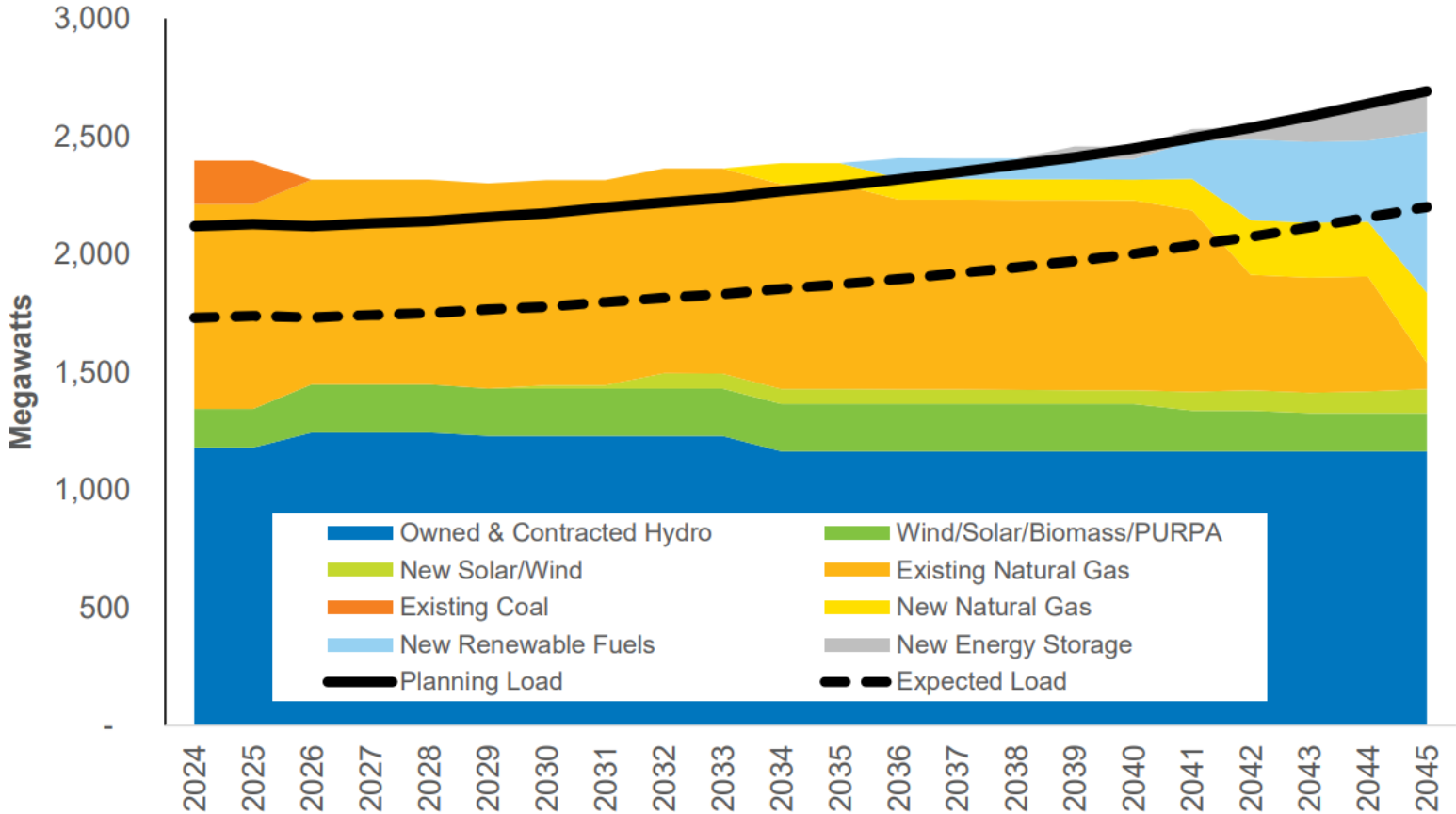
Planning Reserve

Heat

Cold

Wind

Failure



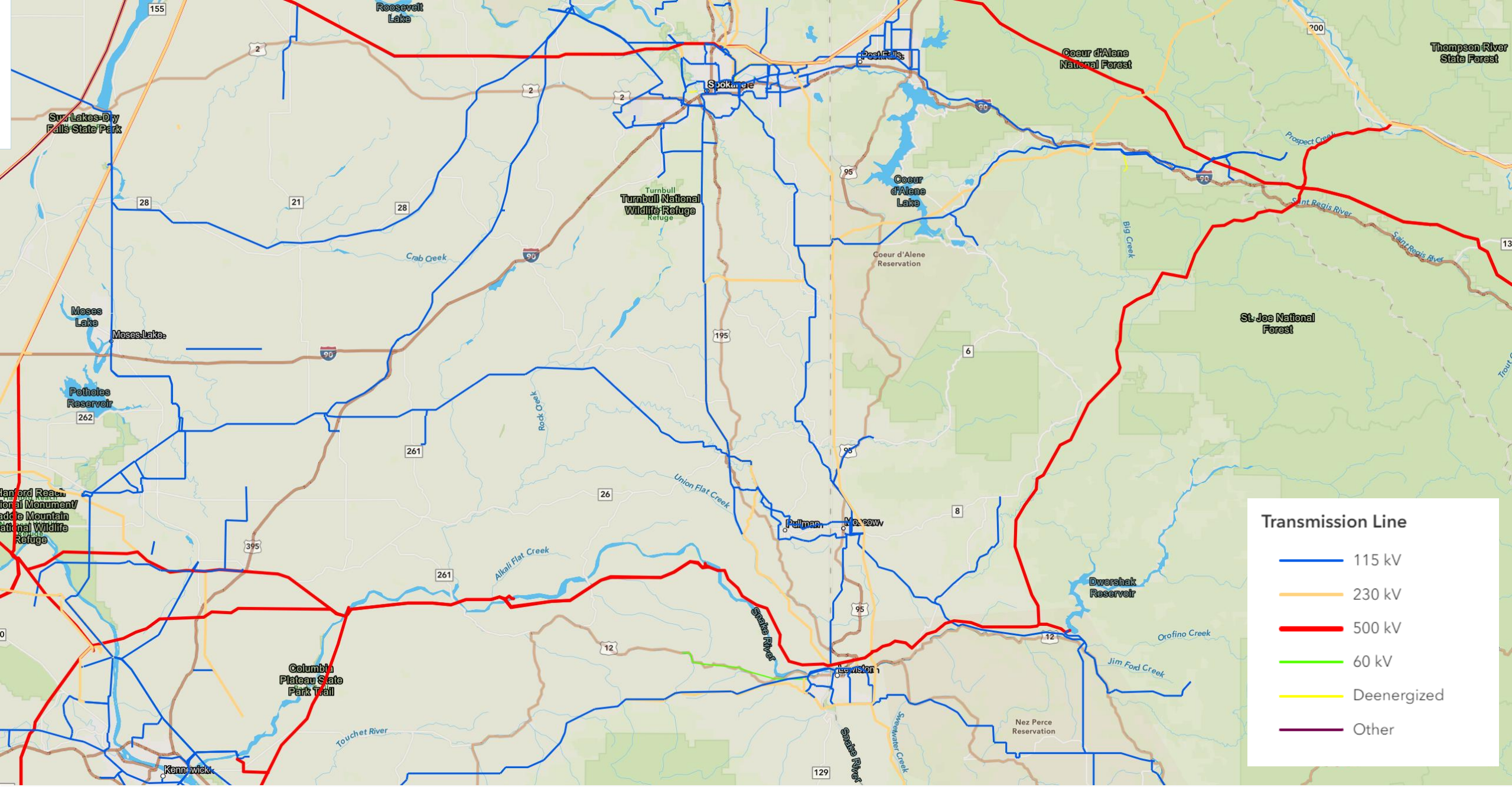
Transmission System

Transmission Lines

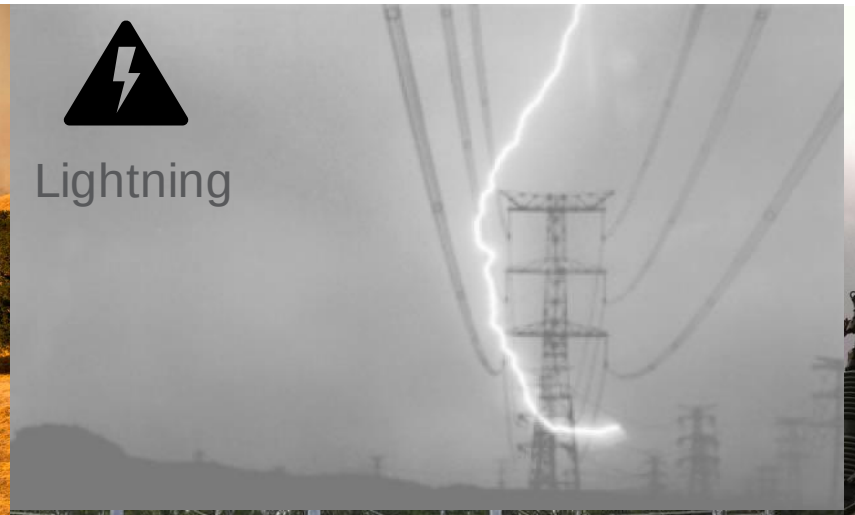
Interstate Freeway

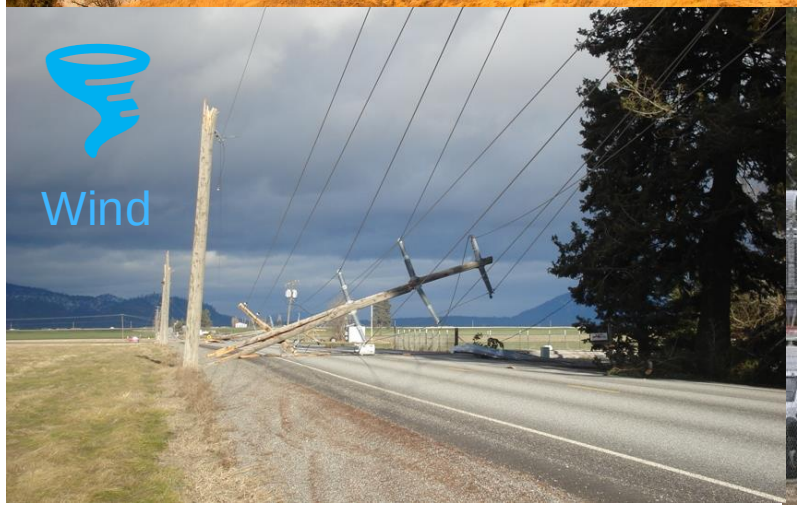
State Highway

Major Arterial


Transmission Line
115 kV
230 kV
500 kV
60 kV
Deenergized
Other
Roosevelt Lake
Spokane
Post Falls
Coeur d'Alene National Forest
Thompson River State Forest
Sun Lakes-Dry Falls State Park
Turnbull National Wildlife Refuge
Coeur d'Alene Lake
Coeur d'Alene Reservation
Prospect Creek
Saint Regis River
Big Creek
Crab Creek
Moses Lake
Moses Lake
St. Joe National Forest
Potholes Reservoir
Rock Creek
Union Flat Creek
Pullman
Moscow
Alkali Flat Creek
Dworshak Reservoir
Snake River
Orofino Creek
Jim Ford Creek
Columbia Plateau State Park Trail
Touchet River
Kennewick
Nez Perce Reservation
Snake River
Steptoe Creek

Types of Transmission Outages

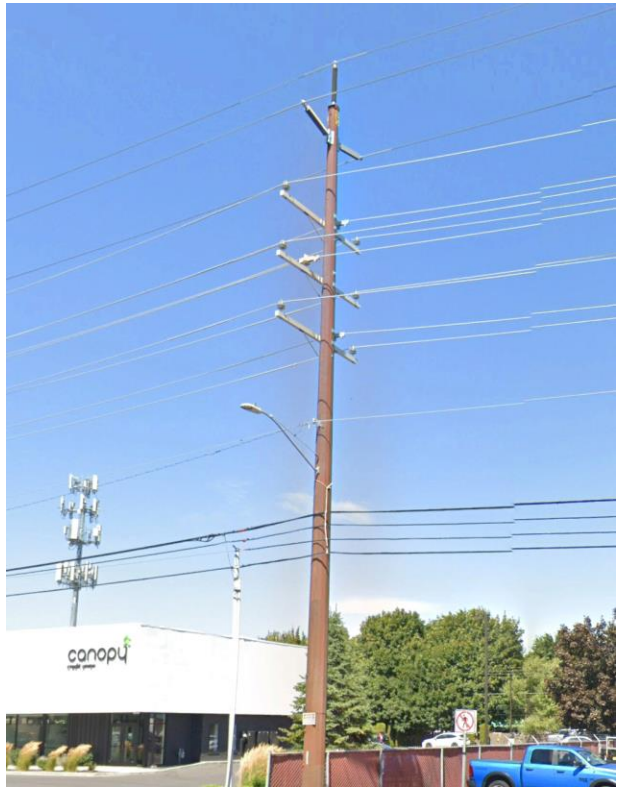




Distribution System

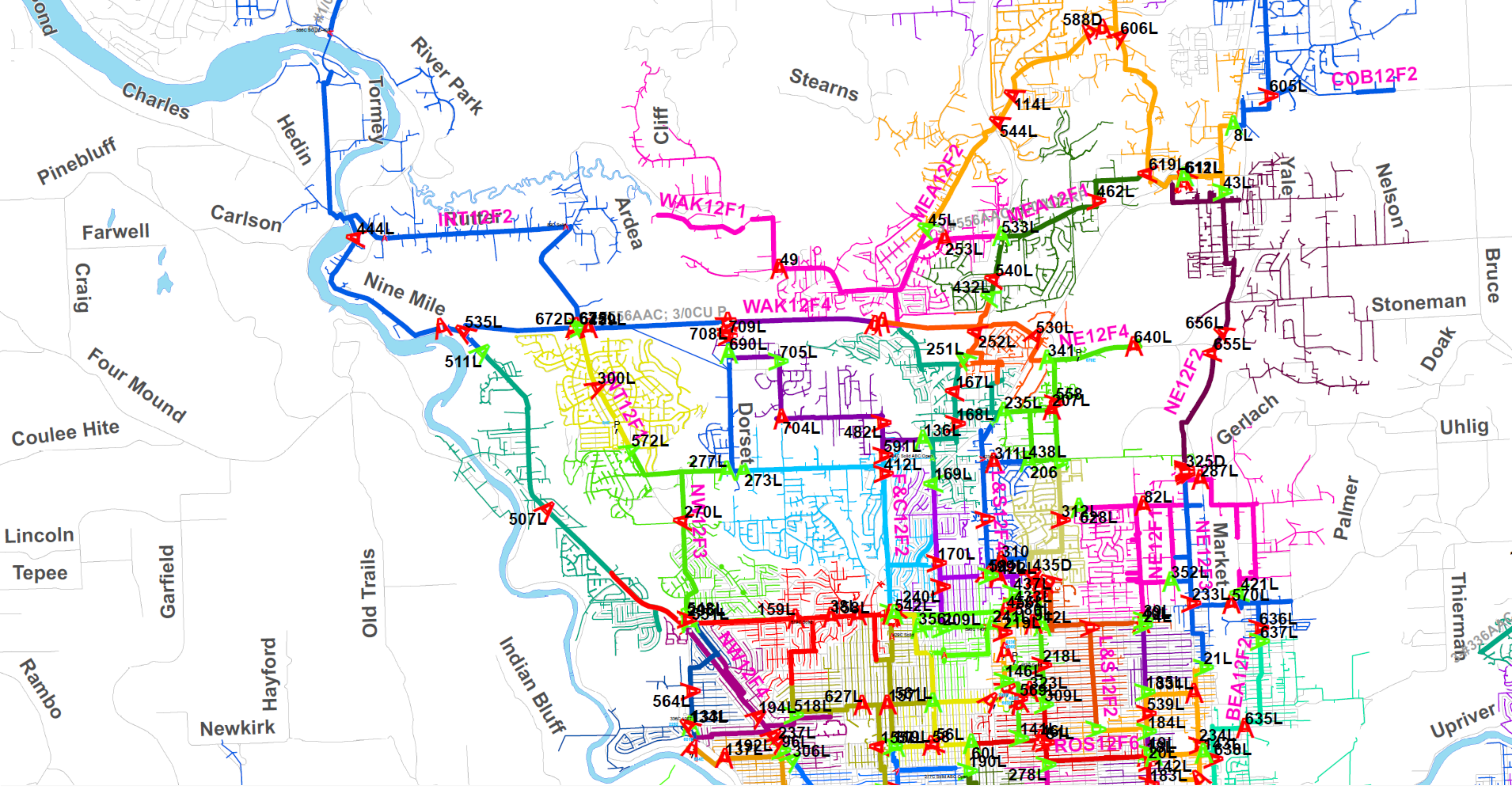
Distribution Equipment

Complex Pole



Underground Enclosures

Typical Above Ground


Charles
Pinebluff
Hedin
Tormey
River Park
Stearns
Cliff
Farwell
Carlson
Ardea
Craig
Nine Mile
Four Mound
Coulee Hite
Lincoln
Tepee
Garfield
Old Trails
Rambo
Newkirk
Hayford
Indian Bluff
Dorset
Market
Palmer
Gerlach
Uhlig
Doak
Stoneman
Bruce
Nelson
Yale
Thierman
Upriver
WAK12F1
WAK12F4
IRT12F2
MEA12F2
MEA12F1
NE12F4
NE12F2
COB12F2
NWT12F1
NW12F3
F&C12F2
L&S12F1
L&S12F2
NE12F1
NE12F3
BEA12F2
NWT12F4
ROS12F6
444L
535L
511L
672D
300L
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507L
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462L
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237L
306L
159L
356L
209L
219L
542L
240L

Types of Distribution Outages

Animal

Dig-In

Wildfire

Wind

Failure

Cold

Q&A

Energy Resilience

Sample Questions

1. Can Avista install more power lines underground?
2. Is Avista prepared for cyber and physical attacks to the system?
3. How does Avista plan a head for future reliability concerns?

Avista CEIP Biennial Report Update

November 1, 2023 - Avista CEIP Biennial Update Filed

March 22, 2023 - UTC Commission meeting to discuss CEIP Biennial Update

UTC Commission APPROVED

https://www.utc.wa.gov/casedocket/2021/210628

Q&A

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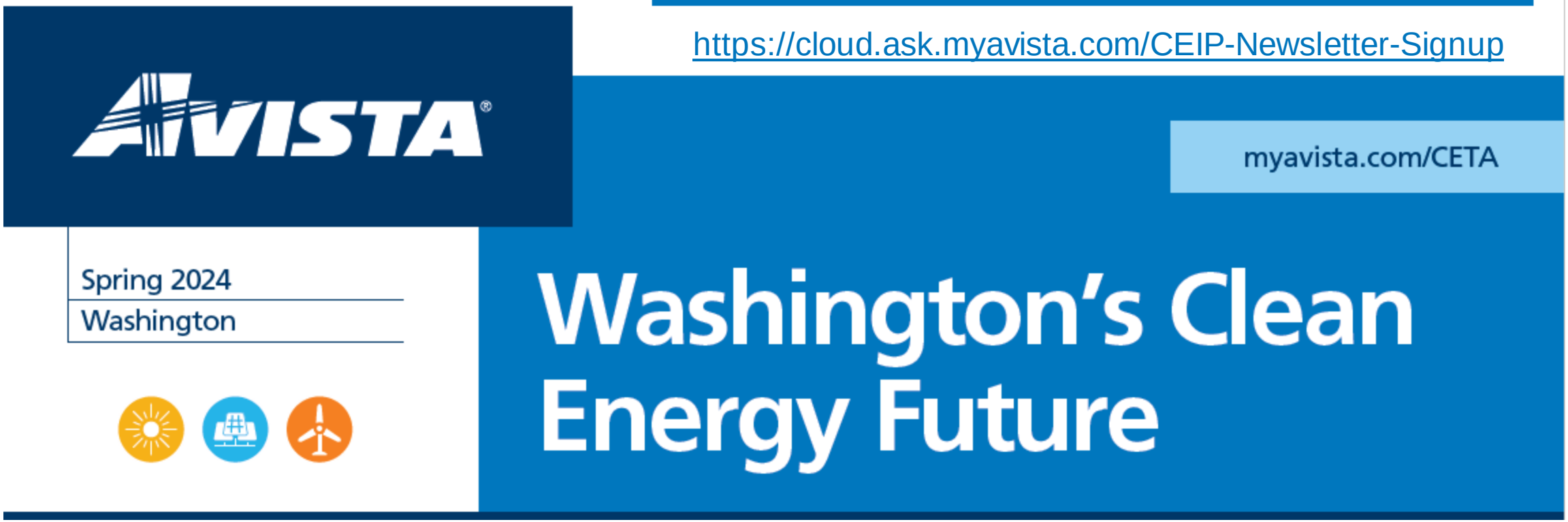

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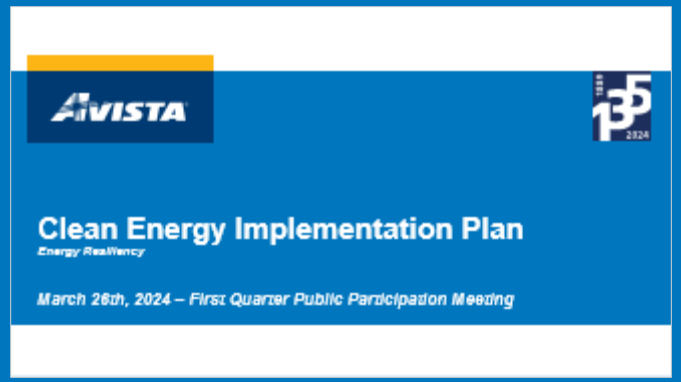
Additional Resources

Resource Link	*Description*
Washington's Clean Energy Future	Avista page for CETA related activities
Clean Energy Transformation Act	Clean Energy Transformation Act - Washington State Department of Commerce
Chapter 19.405 RCW	Laws and Regulations: Revised Code of Washington Investor-owned utilities
Chapter 480-100 WAC	Laws and Regulations: Washington Administrative Code Investor-owned utilities
WA Energy Strategy	Washington State Energy Strategy
CETA Overview	CETA overview and interim assessment

Avista values your feedback! Please feel free to use the Avista CEIP Public Feedback Form at

https://www.myavista.com/ceta

Thank you for being a part of Washington's Clean Energy Future!



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