



What is Integrated Resource Planning?

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Purpose of Today's Discussion

- Learn how Avista plans for new resources.
- Provide forum for questions and comments.
- Gather feedback for the long-term plan.

Future Planning



Integrated Resource Plan (IRP) – Every 4 years

Due: January 2025



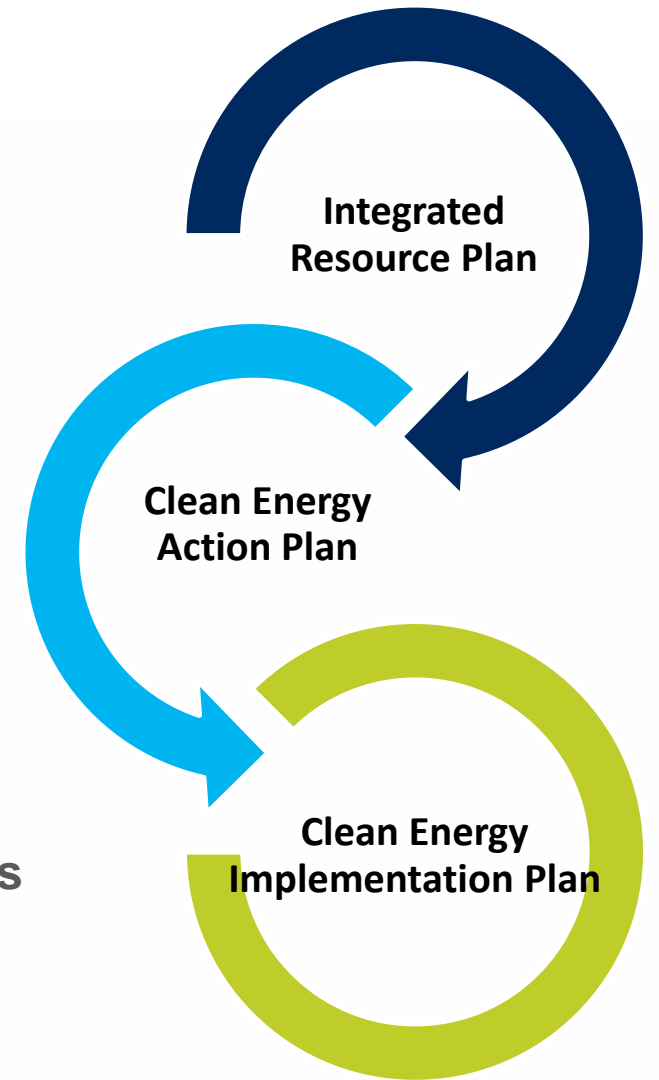
Clean Energy Action Plan (CEAP) – Every 4 years

Due: January 2025



Clean Energy Implementation Plan (CEIP) – Every 4 Years

Due: November 2025, for 2026-2029 period



What is Resource Planning – why is it integrated?



Supply & Demand 101 (2013)

- IRP is a long-term plan created every two years.
- Best estimate to meet “predicted” resource deficiencies.
 - Summer & winter peaks
 - Annual energy
 - Renewable requirements
- Generation, conservation efforts, energy storage, and transmission are considered to meet resource needs.
- Public and customer participation.
- Actual long-term resource acquisition is a competitive bid process.

Clean Energy Transformation Act (CETA)

- Washington State [Senate Bill 5116](#) passed by legislature in 2019
- All Washington electric utilities must reach 100% clean energy supply by 2024

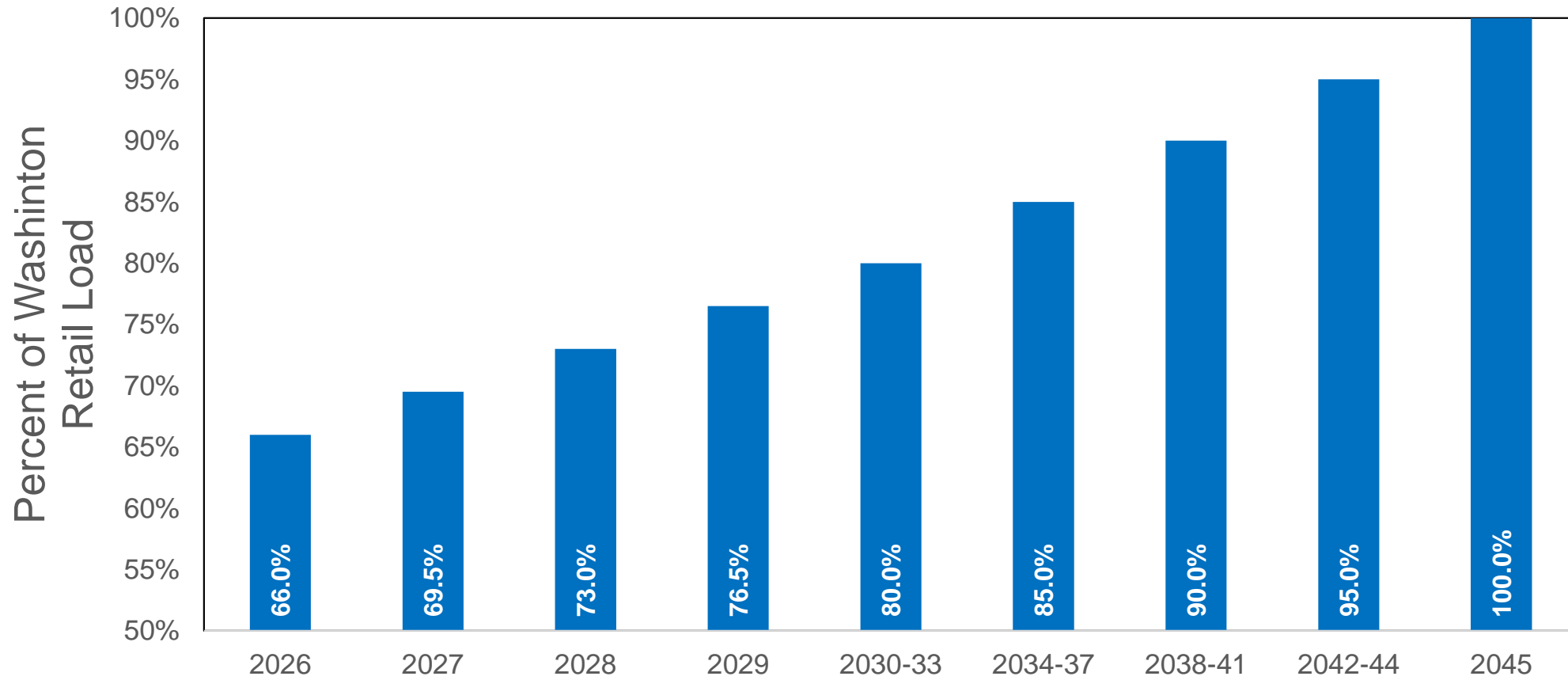
2025 – Coal-Free Washington State

2030 – Greenhouse Gas Neutral

2045 – 100% Non-Emitting

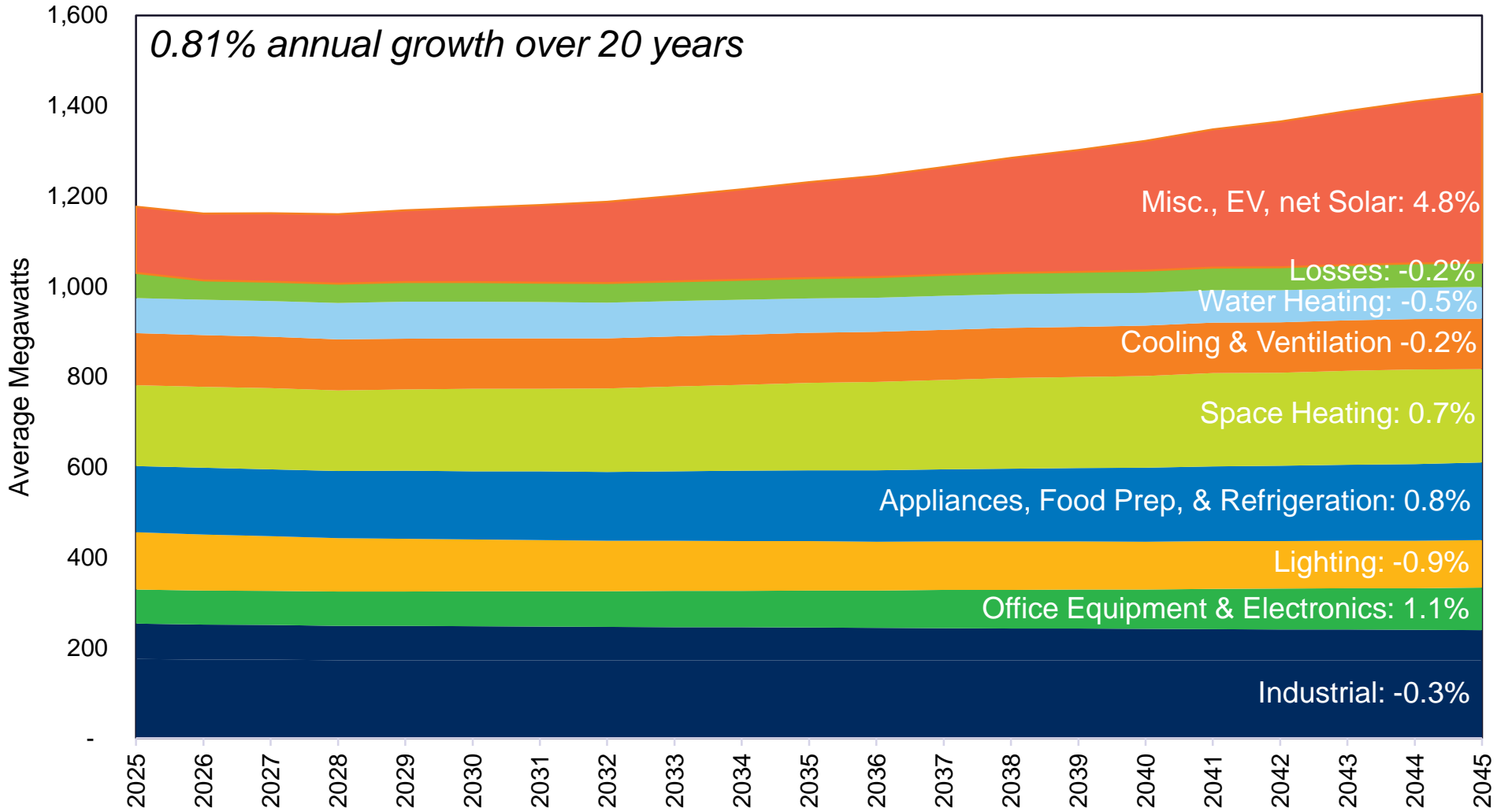


CETA's Clean Energy Goals



Electric Customer's Usage Forecast

Washington customers are approximately 2/3 of total load



Priority Planning

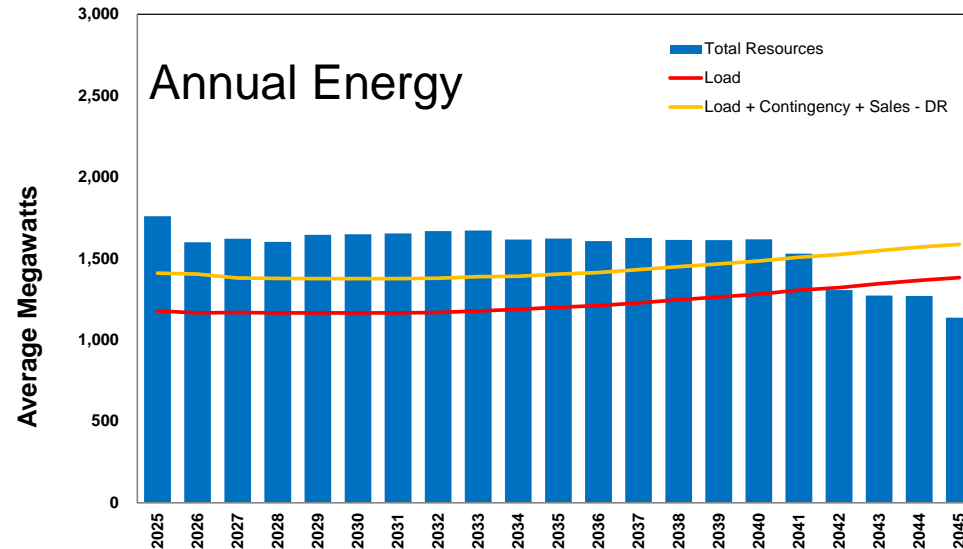
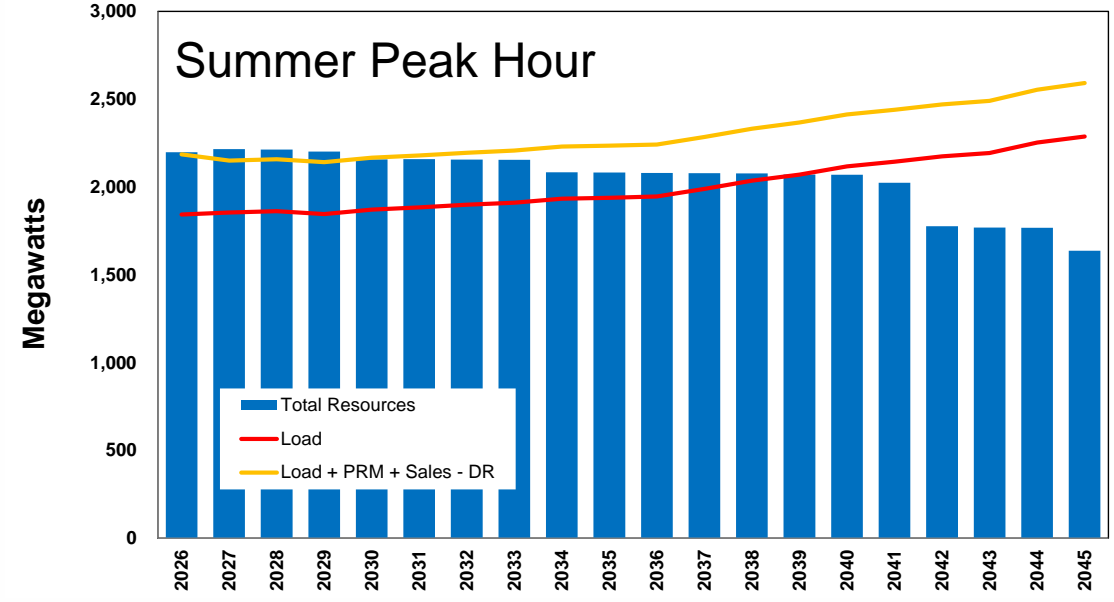
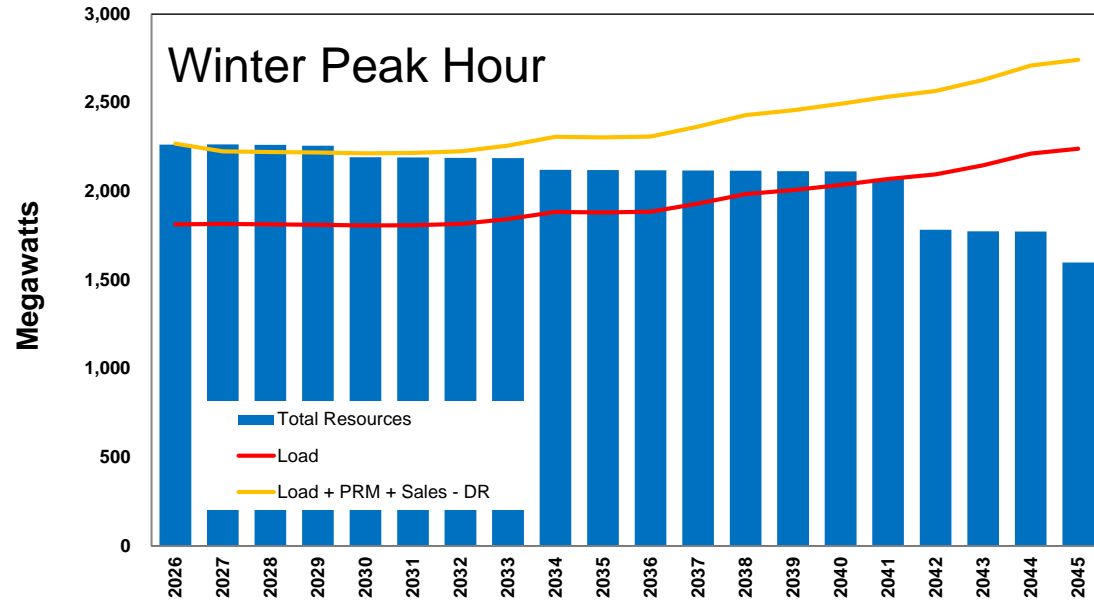


Poll Question

What planning priority is most important to you?

- Affordability
- Reliability
- Equity
- Clean Energy

Need for New Generation



Forecasts are subject to change



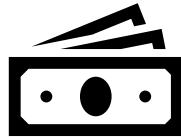
Equity Considerations in Planning

Ensure all customers benefit from the transition to clean energy:

- Equitable distribution
- Reduction of burden to vulnerable populations and highly impacted communities



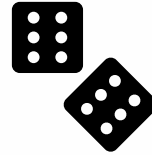
Public Health



Economic Growth



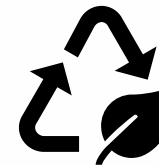
Environmental Benefits



Risk



Energy Security

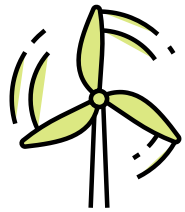


Energy Resilience

How we address equity in the IRP?

- Equity Advisory Group
- Named Community Investment Fund
- Customer Benefit Indicators
- Non-Bill Impacts to our Customers

Resource Options

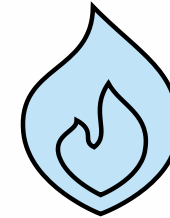


Clean Energy

Wind
Solar
Biomass
Hydro
Geothermal
Nuclear

Fossil Fuel Energy

Natural gas generation
Coal (preserve)
Customer generation

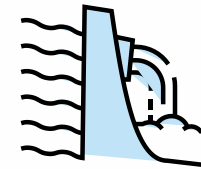


Demand Resources

Energy efficiency
Load control
Rate programs
Solar/Storage
Fuel switching
Co-generation

Energy Storage

Pumped hydro
Lithium-ion batteries
Liquid air
Flow batteries
Hydrogen/Ammonia
Iron-oxide



Poll Question

Besides renewable energy, what other resources should Avista pursue?

- Nuclear
- Natural Gas
- Power to Gas (i.e. Hydrogen)
- Pumped Hydro
- Carbon Sequestration on Natural Gas/Coal Facilities

What's Next

- Now through Summer
 - *Meet with Technical Advisory Committee (TAC) every other week to review assumptions and study results* ([Integrated Resource Planning | Avista \(myavista.com\)](https://myavista.com))
- Summer 2024
 - *Draft Resource Strategy released to TAC*
- September 1, 2024
 - *Release Draft of Integrated Resource Plan*
- January 2, 2025
 - *Integrated Resource Plan filed with Washington & Idaho State Commissions*

Q&A

Thank you ~

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