



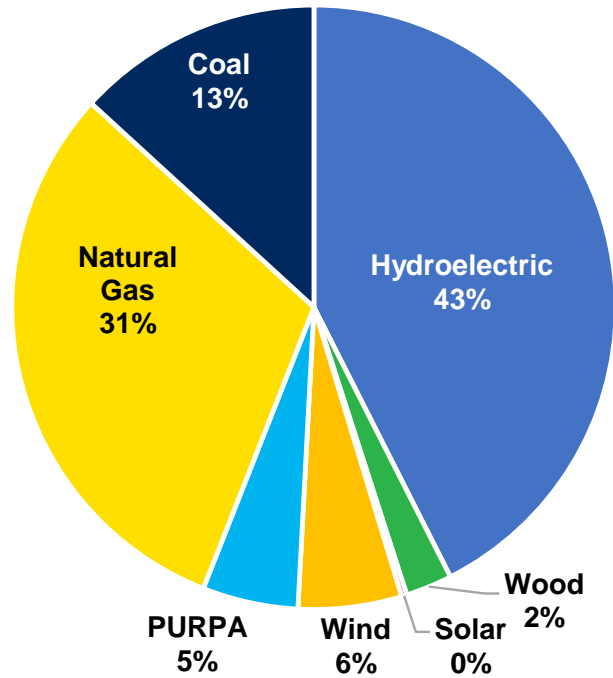
Avista's Electric & Natural Gas Integrated Resource Plans

Scott Kinney

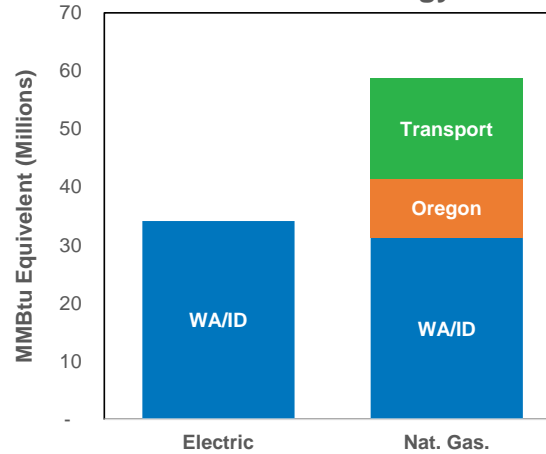
Vice President of Energy Resources

2022 Avista's Energy Supply Mix

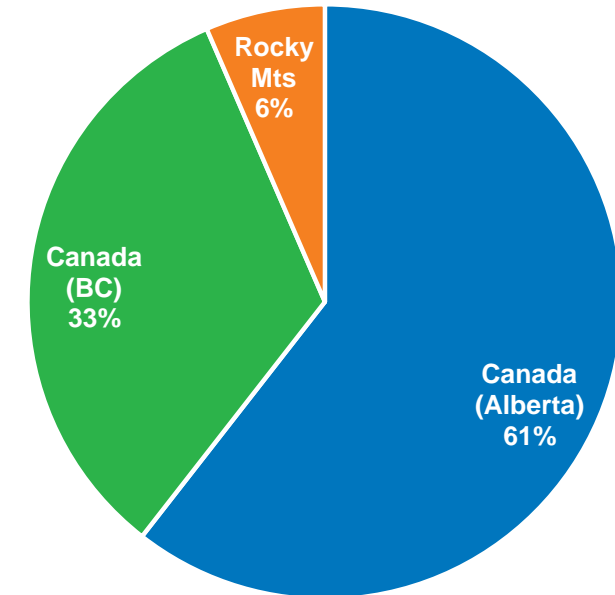
Electric System Supply*



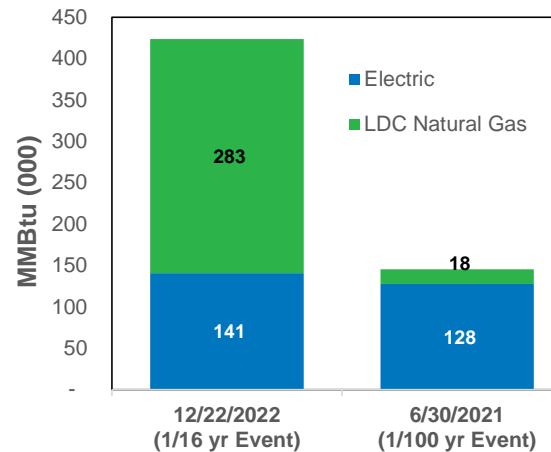
2022 Annual Energy



Natural Gas System Supply



WA/ID Peak Day Demand



Planning Environment

Washington

Clean Energy Transformation Act (CETA)

Climate Commitment Act (CCA)

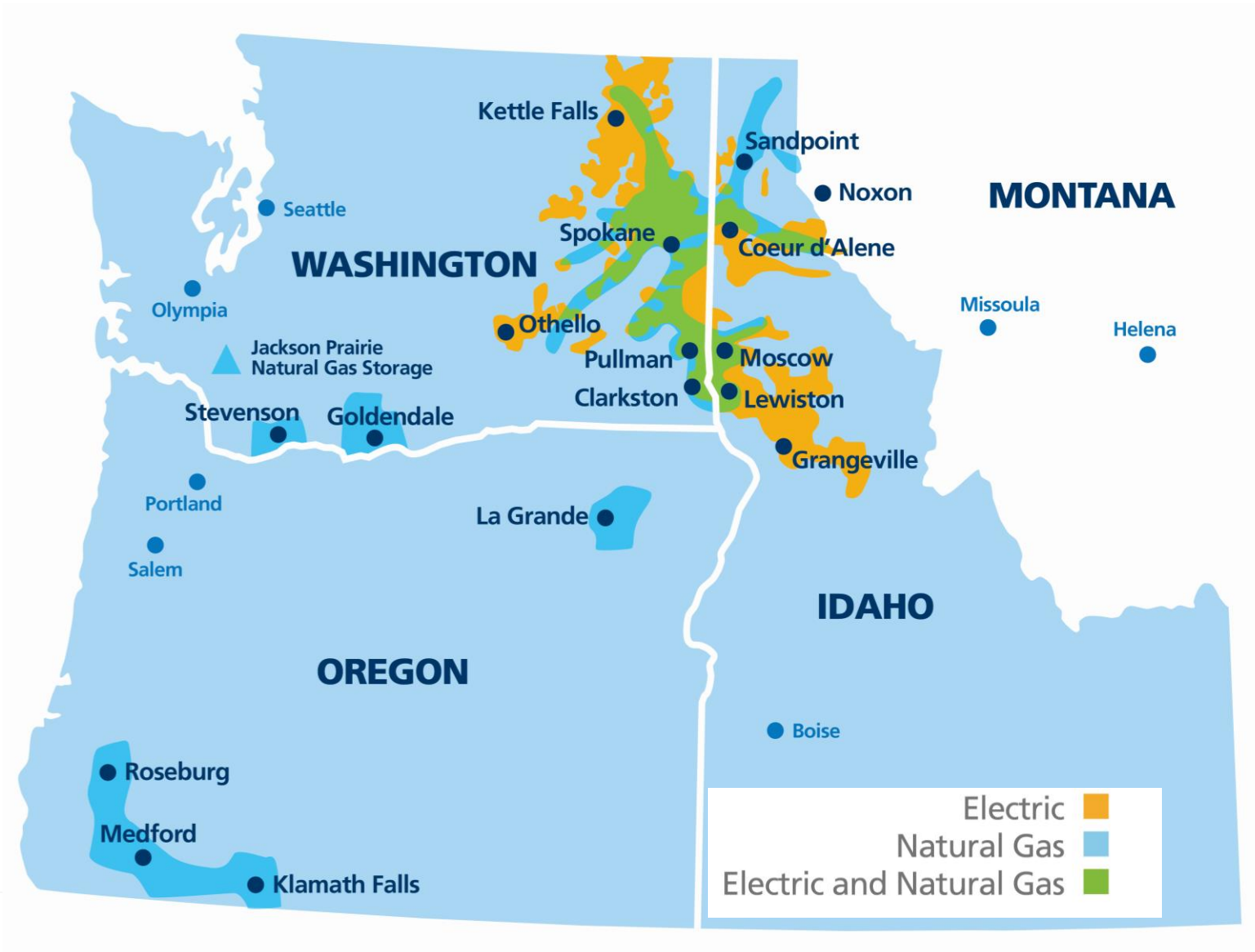
New Building Codes

Oregon

Climate Protection Program (CPP)

Idaho

Least Cost Resources

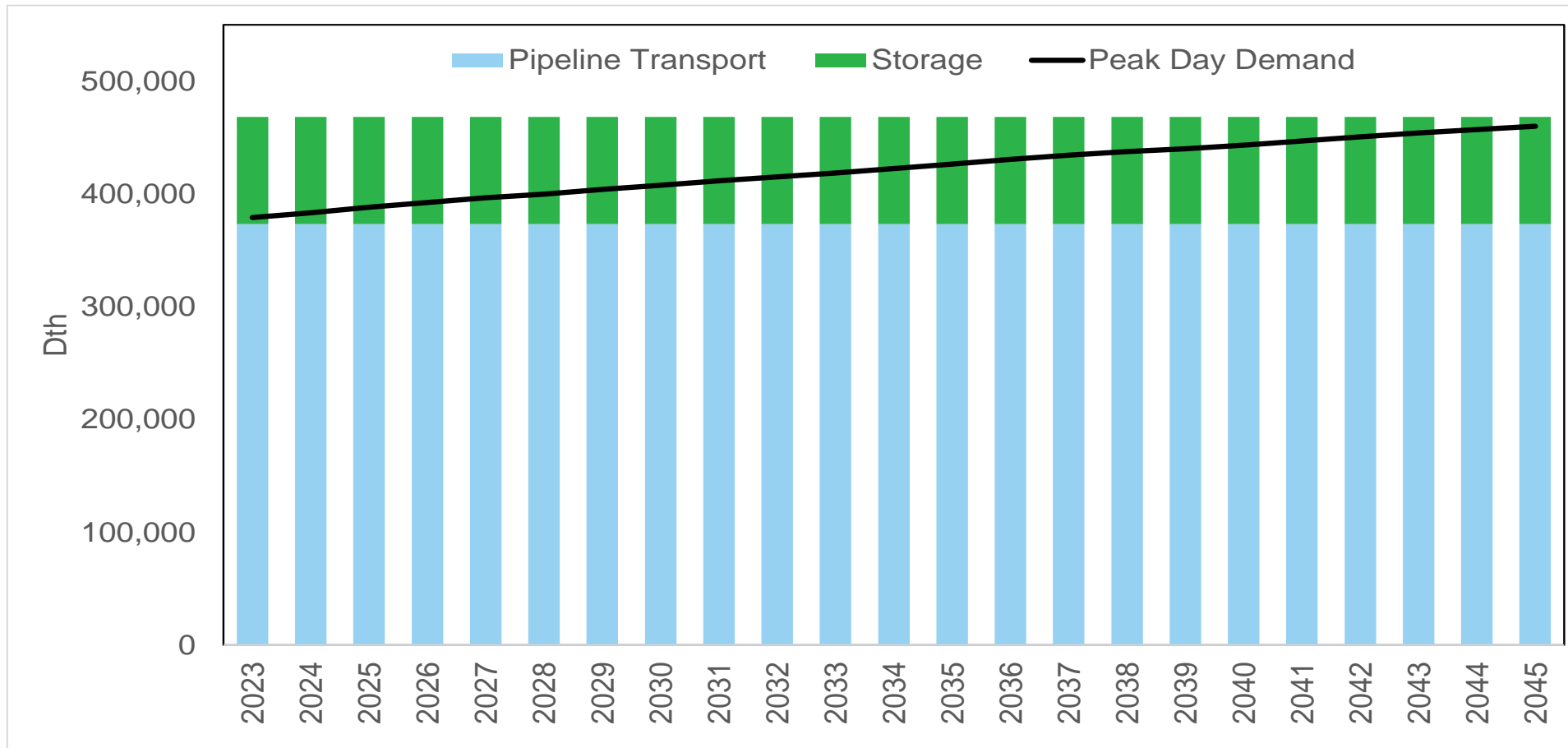




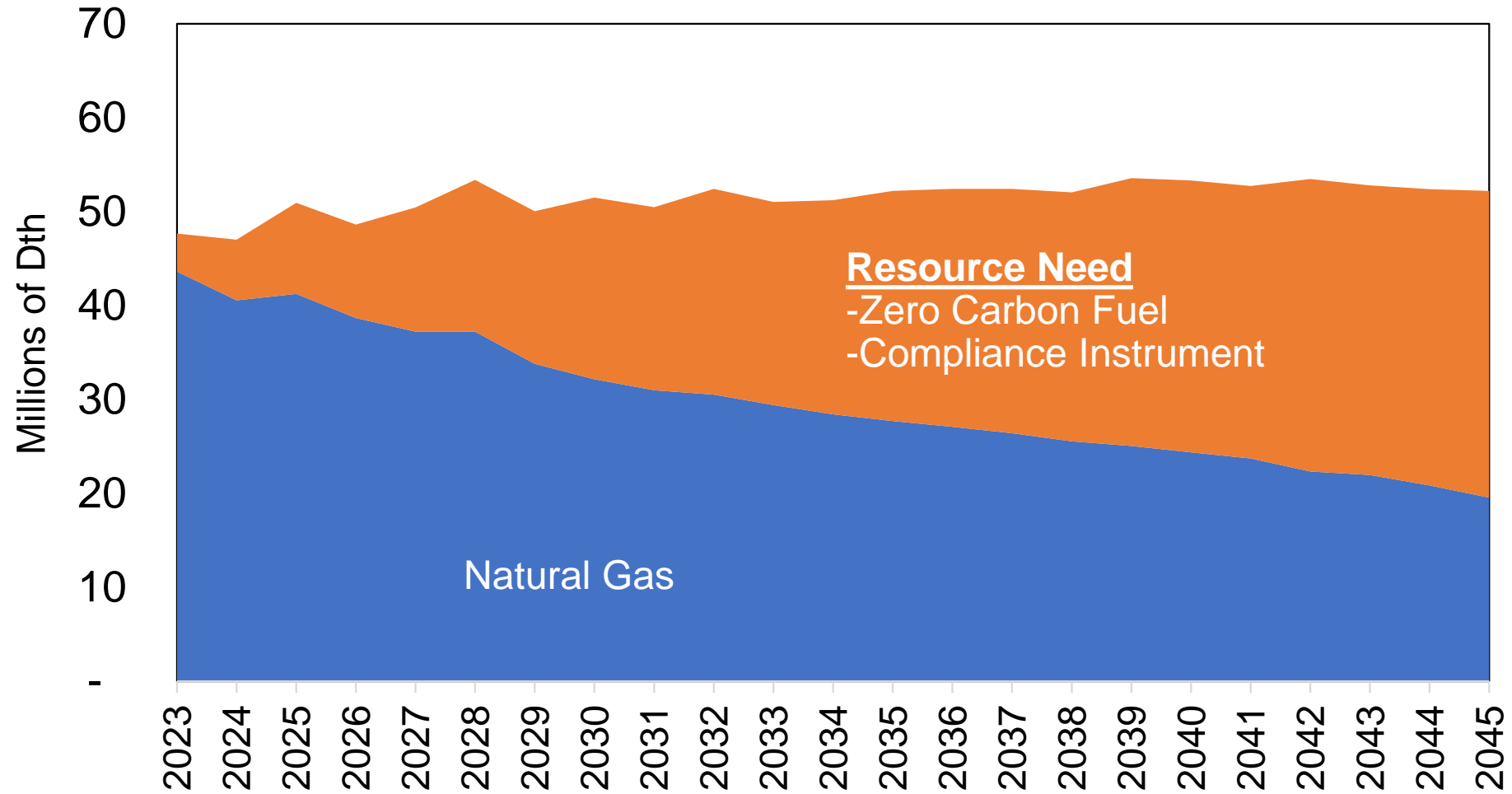
Natural Gas Resource Plan

Tom Pardee
Natural Gas Planning Manager

Resource Need - Capacity



Resource Need - Energy



Resource Portfolio

Recent Resource Changes

Request for Proposal (RFP)

- Renewable Natural Gas (RNG)

Washington Climate Commitment Act (CCA)

- Allowances

Oregon Climate Protection Plan (CPP)

- Community Climate Investment

Resource Options

Clean Resources

Green Hydrogen
Synthetic Methane
Dairy RNG
Landfill RNG
Food Waste RNG
Wastewater RNG

Fossil Fuel Resources

Natural Gas

Demand Resources

Energy Efficiency
Fuel Switching
Demand Response

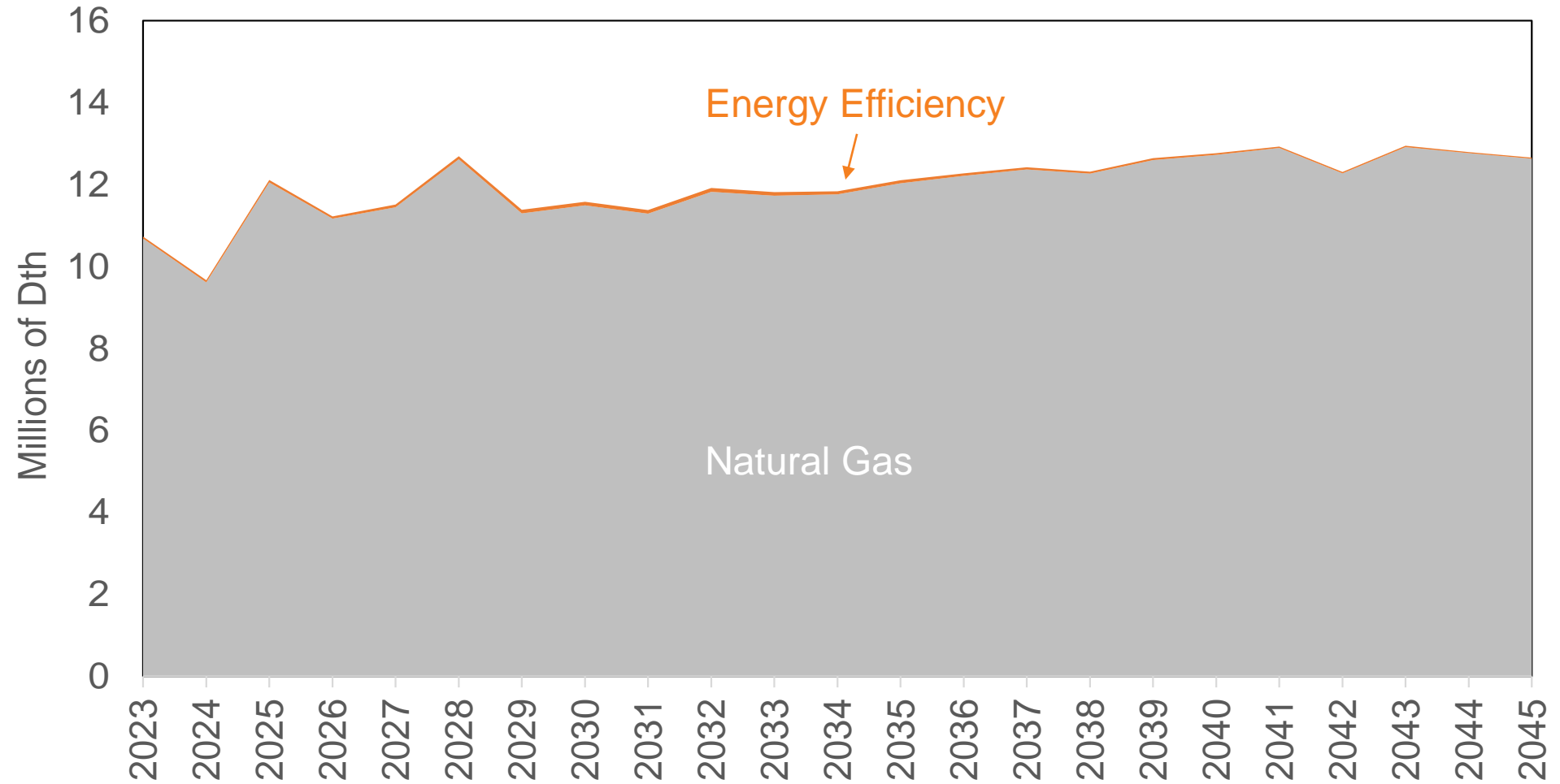
Infrastructure

Jackson Prairie
Owned and Leased
Storage
Interstate Transport

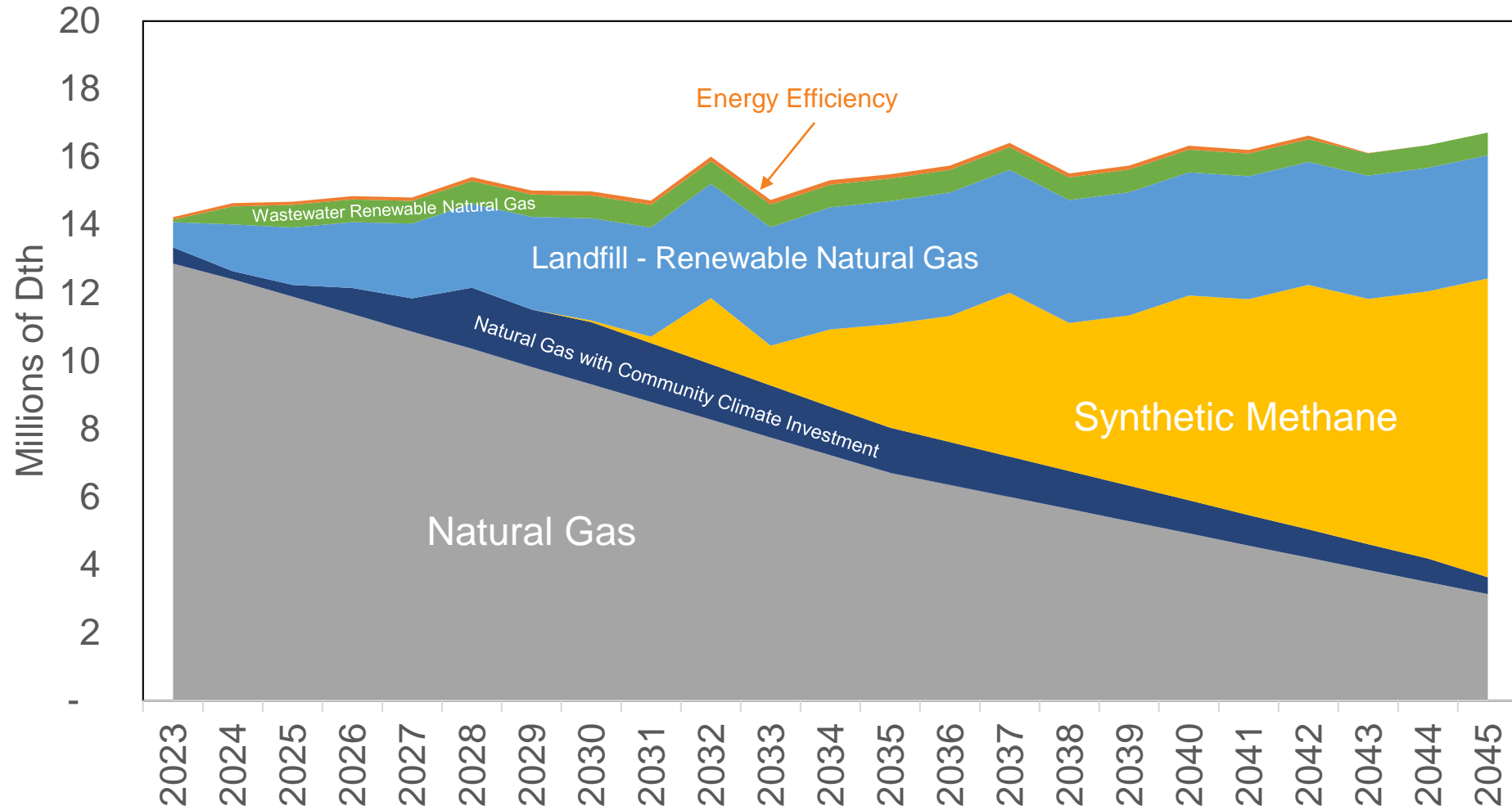
Program Resources

Allowances
Offsets
CCI

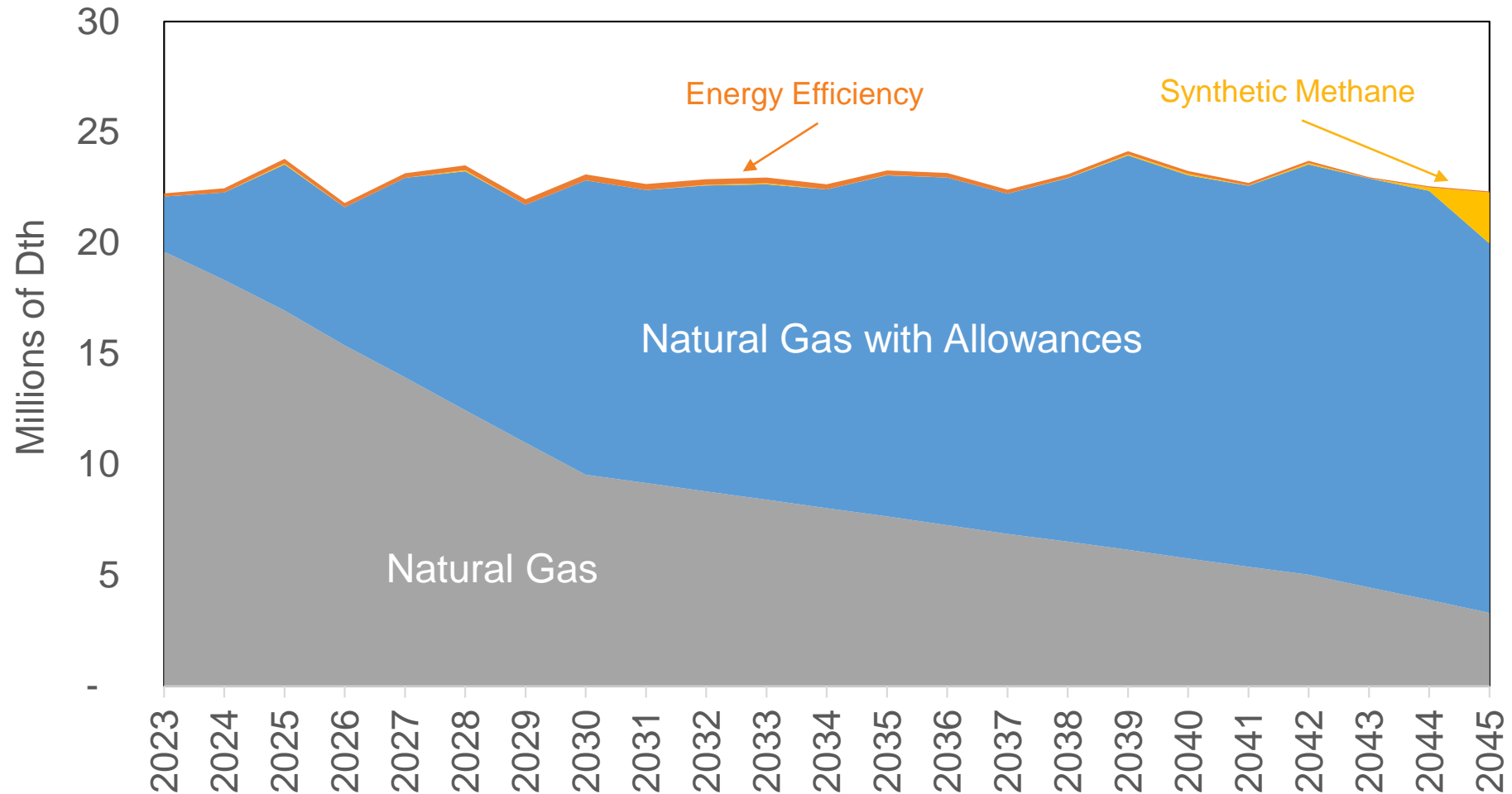
Idaho Preferred Resources



Oregon Preferred Resources



Washington Preferred Resources



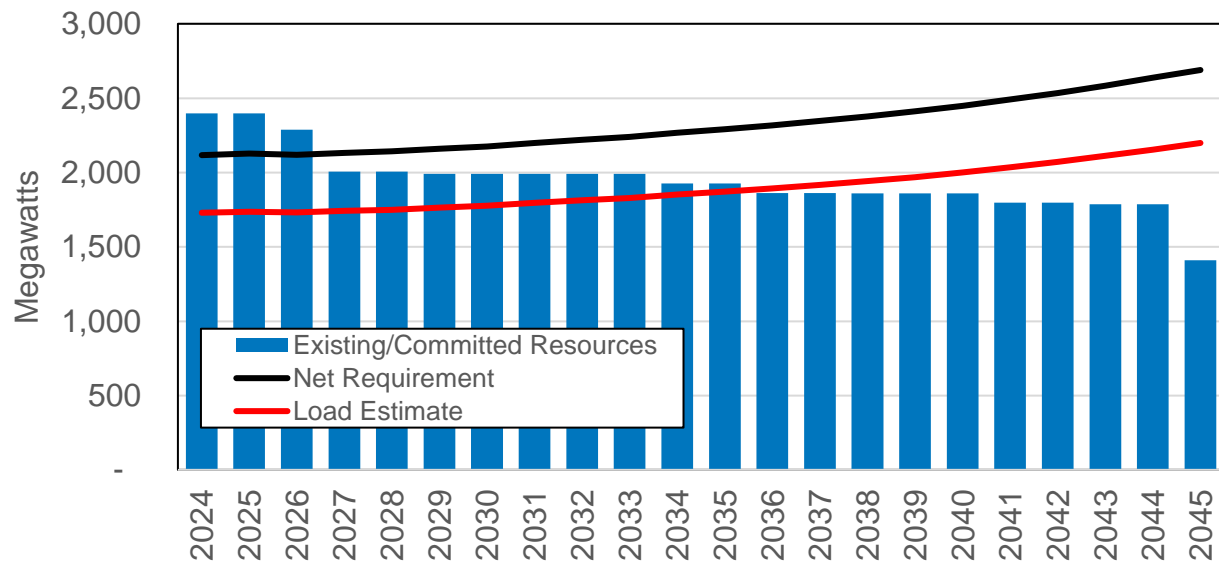


Electric Resource Plan

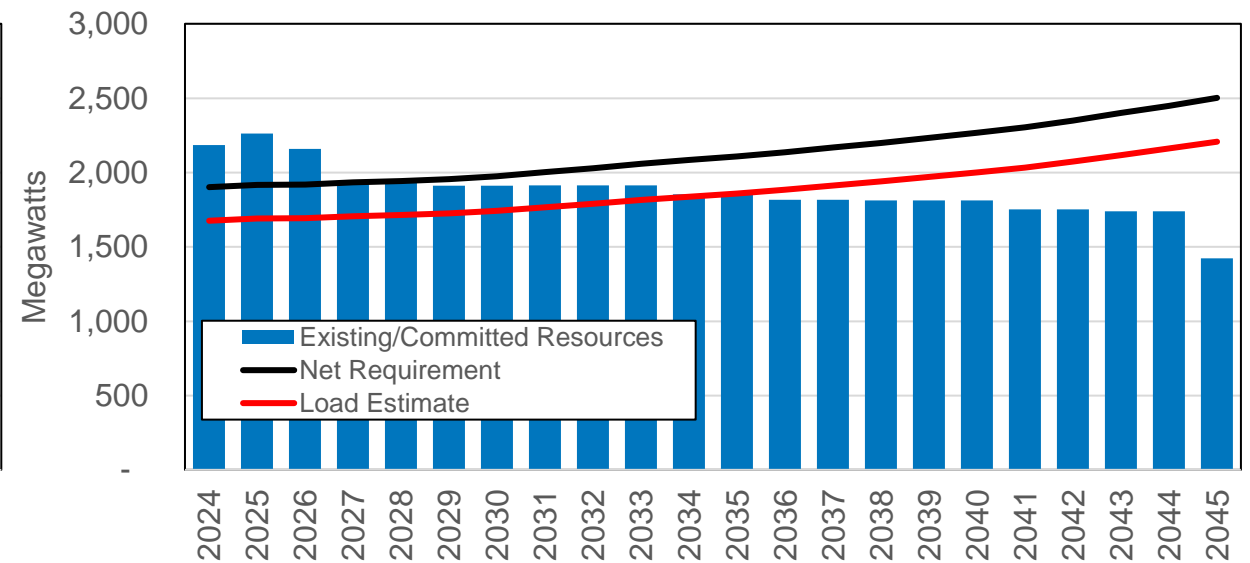
James Gall
Manager of Integrated Resource Planning

Resource Need- Capacity

System Winter Peak Capability

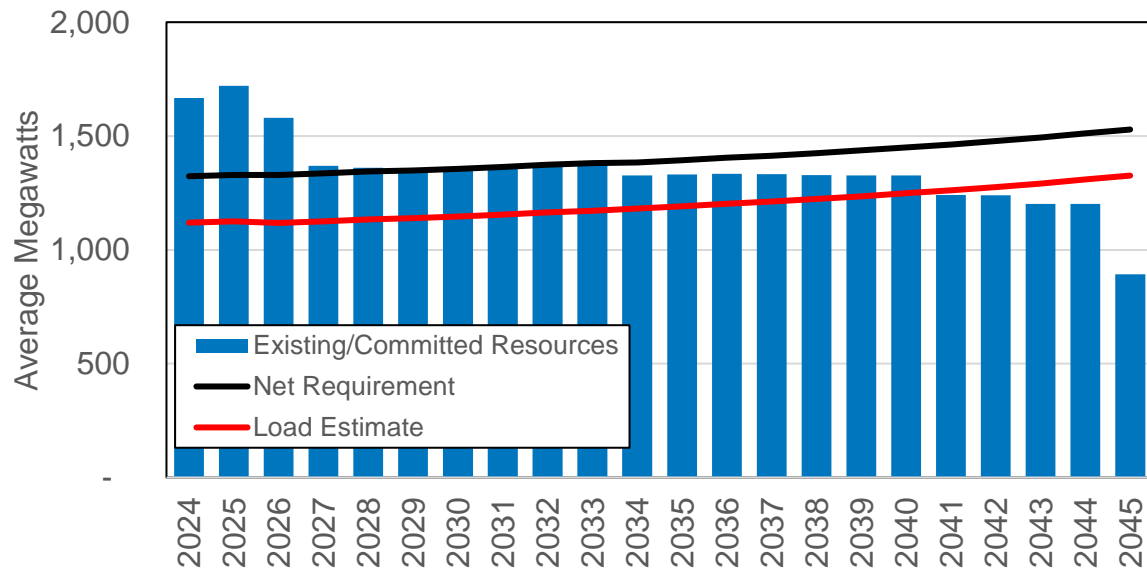


System Summer Peak Capability

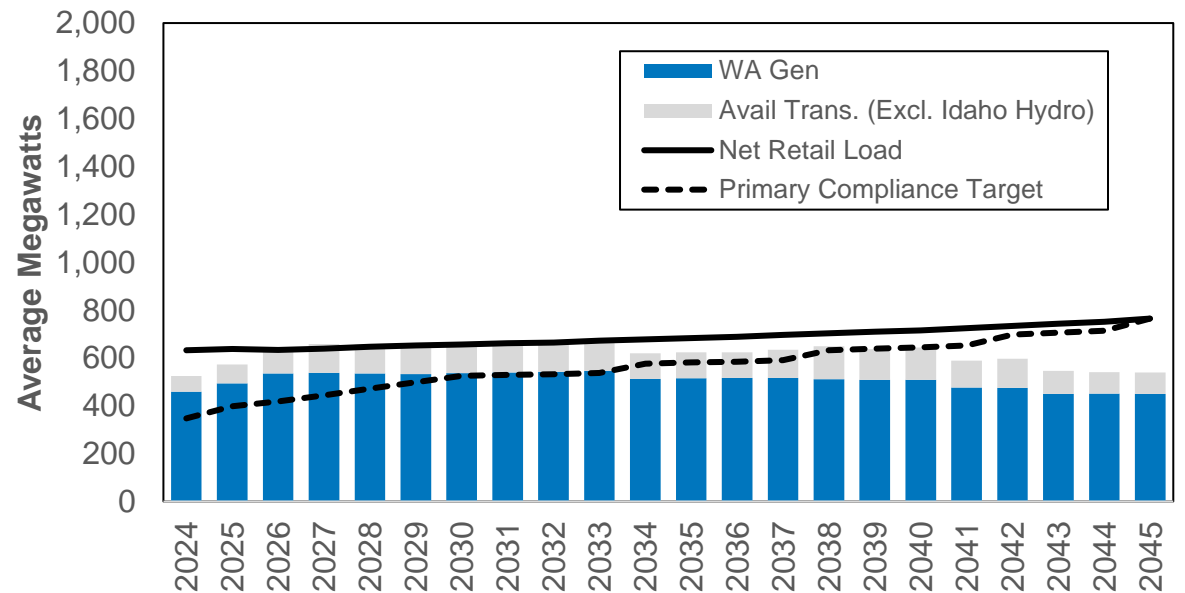


Resource Need- Energy

System Energy Capability



Washington Clean Energy Compliance



Resource Portfolio

Recent Resource Changes

Rocky Reach & Rock Island

Purchase Hydro Power with Chelan PUD

Colstrip

Transfer ownership of both coal units to Northwestern Energy on December 31, 2025

Columbia Basin Hydro

Purchase Irrigation Hydro Power

Kettle Falls Biomass

Increase Plant Capability with Steam Injection from Myno Carbon Corp using wood chips

2022 All-Source Request for Proposals

Resource Options

Clean Resources

Wind
Solar
Biomass
Hydro
Geothermal
Nuclear

Fossil Fuel Resources

Natural Gas Peaker
Natural Gas
Baseload
Coal (Retention)
Customer generation

Demand Resources

Energy Efficiency
Load Control
Rate Programs
Solar/Storage
Fuel Switching
Co-Generation

Storage

Pumped Hydro
Lithium-ion Batteries
Liquid Air
Flow Batteries
Hydrogen/Ammonia
Iron-Oxide

Washington Resource Plan

- **Named Community Investment Fund**
 - Benefits customers in Highly Impacted and/or Vulnerable Communities
 - Low Income Community Solar, Energy Efficiency, Grid Resiliency are likely projects
 - Join Equity Advisory Committee to impact future decision making
- **Energy Efficiency**
 - Meet 29% of load growth potential by incentivizing customer energy efficiency projects
- **Demand Response**
 - Time of Use, Peak Time Rebate, Water Heaters “pilot” programs in Washington State beginning in 2024
 - Opt-in Time of Use in 2025
- **Utility Scale Wind**
 - Eastern Washington and Montana (Post 2030)
- **Long Duration Storage (Post 2030)**
 - Hydrogen/Ammonia Turbines and Iron-Oxide storage show the most promise

Idaho Resource Plan

- Energy Efficiency
 - Meet 46% of load growth potential by incentivizing customer energy efficiency projects.
- Natural Gas Turbines
 - Meet remaining load growth by replacing aging/retiring existing natural gas-fired resources with modern technology.

How to Get Involved

- **Join the public meeting on March 8th**
 - 12:00 to 1:00 pm
 - 5:00 to 6:00 pm
- **Participate in Technical Advisory Committee meetings**
 - [Integrated Resource Planning \(myavista.com\)](http://myavista.com)
- **Participate in State Commission Proceedings**
 - [UTC \(wa.gov\)](http://wa.gov) (electric docket 200301, natural gas docket 220044)
 - [Home Page - IPUC \(idaho.gov\)](http://idaho.gov)
 - [Public Utility Commission : Home : State of Oregon](http://PublicUtilityCommission.org)