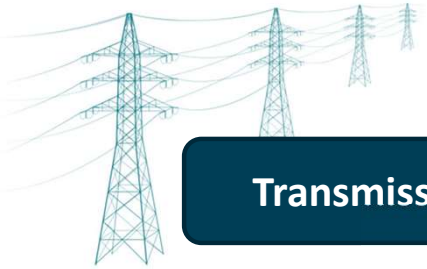
Modeling Scenarios 2025 IRP

Resource Planning

October 2024

Integrated Resource Plan Construction



Transmission

Natural Gas

Hydro

Load

Forecasts

Etc.

Future Supply Side Resources

Optimized Resource Expansion

AURORA

Demand Response & Energy Efficiency

Integrated Resource Plan Construction

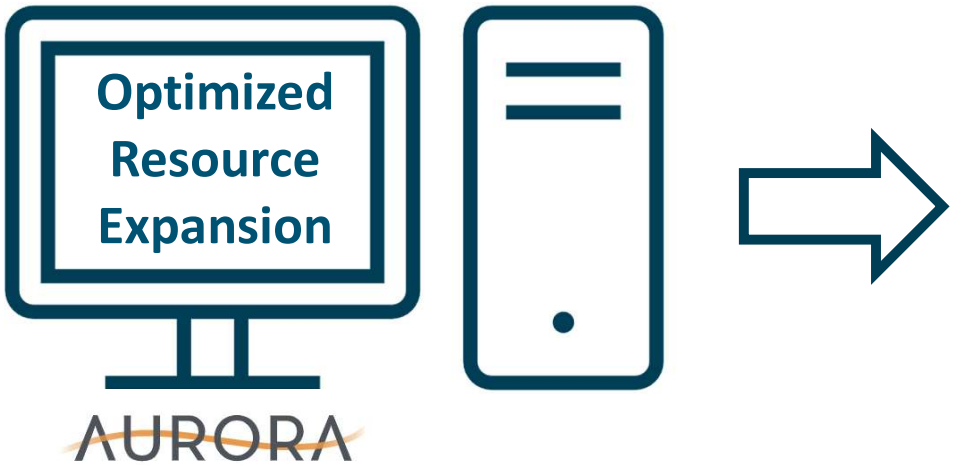


Table 1.1 Preferred Portfolio additions and coal exits (MW) *2023 IRP*

	Preferred Portfolio—Valmy 1 & 2 (MW)											
Year	Coal Exits	Gas	H2	Wind	Solar	4 Hr	8 Hr	100 Hr	Trans.	Geo	DR	EE Forecast
2024	-357	357	0	0	100	96	0	0	0	0	0	17
2025	0	0	0	0	200	227	0	0	0	0	0	18
2026	-134	261	0	0	100	0	0	0	Jul B2H	0	0	19
2027	0	0	0	400	375	5	0	0	0	0	0	20
2028	0	0	0	400	150	5	0	0	0	0	0	21
2029	0	0	0	400	0	5	0	0	GWW1	0	20	22
2030	-350	350	0	100	500	155	0	0	0	30	0	21
2031	0	0	0	400	400	5	0	0	GWW2	0	0	21
2032	0	0	0	100	100	205	0	0	0	0	0	20
2033	0	0	0	0	0	105	0	0	0	0	20	20
2034	0	0	0	0	0	5	0	0	0	0	40	19
2035	0	0	0	0	0	5	0	0	0	0	40	18

Scenarios vs Sensitivities

Scenario: Change a planning condition input/constraint and run the AURORA LTCE model to generate a new specific resource buildout.

Sensitivity: Use planning condition inputs and force in a different resource selection that was not included in the preferred portfolio. Used as part of the IRP validation and verification plan.

2025 IRP Modeling Scenarios

Objectives

Compare the resources selected in the Preferred Portfolio, developed under planning constraints and conditions, to resources selected in other possible scenarios.

Understand how resources (especially in the near-term) would shift if various scenarios materialized.

*Please note that scenarios have varying conditions and constraints associated with each specific future. Comparisons made between these scenario costs must take this into account.

2025 IRP Modeling Scenarios

DRAFT Scenario Ideation Summary

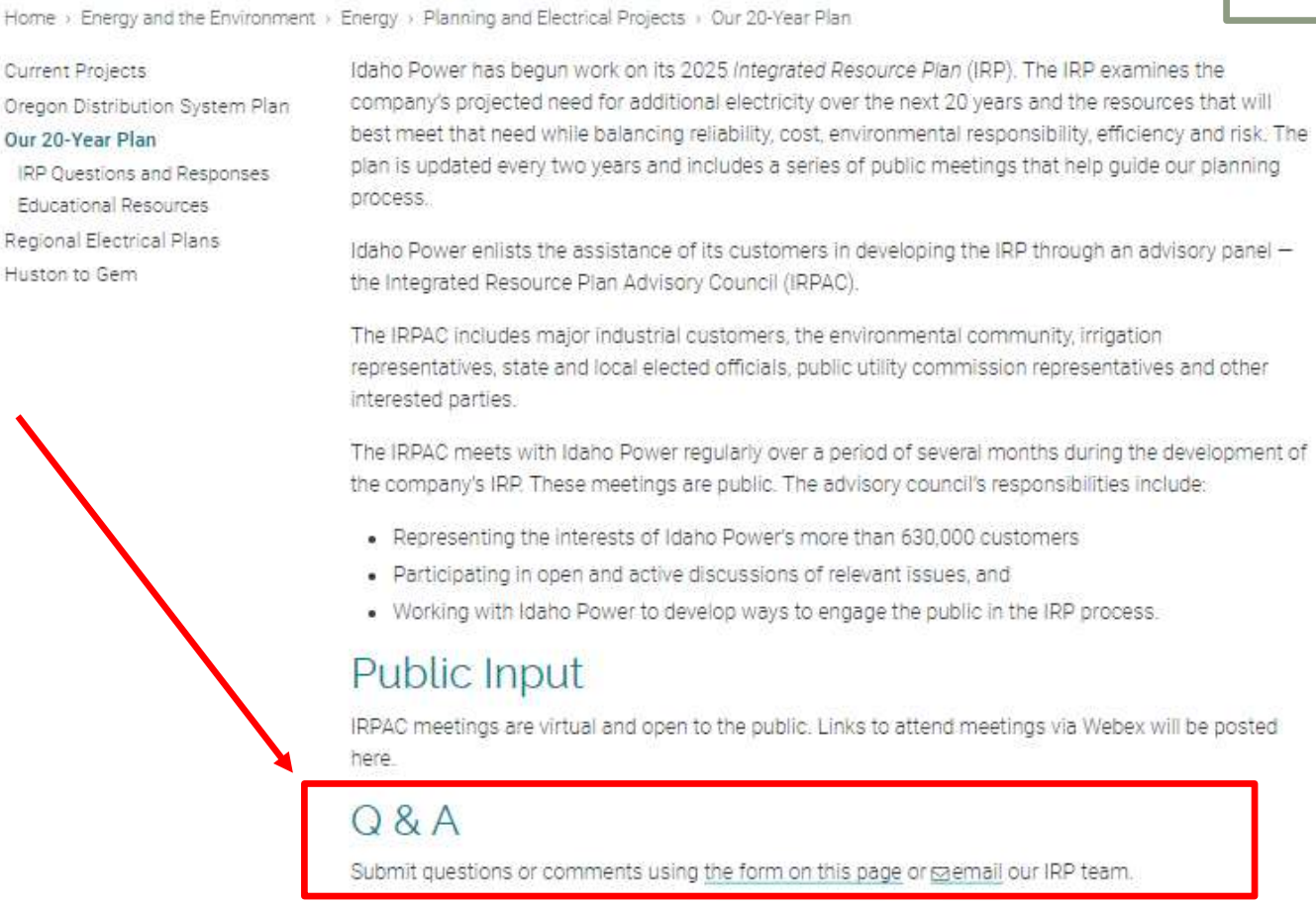
Scenario	Objective
Planning Case (For Reference)	75% solar/wind PURPA renewal, new PURPA development, new EPA Rule, no carbon cost
Clean by 2045	Align with Idaho Power company goal
No PURPA Renewals	Impact of no renewals of PURPA solar or wind and no new PURPA development
No New EPA Emissions Rule	Impact of New EPA CO_2 emissions rule being overturned
High Gas Price/High Carbon Price	Impact of high natural gas price forecast and high carbon price forecast
Low Gas Price	Impact of low natural gas price forecast
Extreme Weather	Impact of more extreme weather-related events
Additional Large Load - 200 MW	Impact of Large Load
Additional Large Load - 500 MW	Impact of Large Load

2025 IRP Modeling Scenarios –
Additional Scenarios Discussion

Idaho Power is open to collaborate with IRPAC on additional scenarios…

How to Provide Additional Feedback on Scenarios

Idahopower.com/IRP



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Current Projects
Oregon Distribution System Plan
Our 20-Year Plan
IRP Questions and Responses
Educational Resources
Regional Electrical Plans
Huston to Gem

Idaho Power has begun work on its 2025 *Integrated Resource Plan* (IRP). The IRP examines the company's projected need for additional electricity over the next 20 years and the resources that will best meet that need while balancing reliability, cost, environmental responsibility, efficiency and risk. The plan is updated every two years and includes a series of public meetings that help guide our planning process.

Idaho Power enlists the assistance of its customers in developing the IRP through an advisory panel — the Integrated Resource Plan Advisory Council (IRPAC).

The IRPAC includes major industrial customers, the environmental community, irrigation representatives, state and local elected officials, public utility commission representatives and other interested parties.

The IRPAC meets with Idaho Power regularly over a period of several months during the development of the company's IRP. These meetings are public. The advisory council's responsibilities include:

- Representing the interests of Idaho Power's more than 630,000 customers
- Participating in open and active discussions of relevant issues, and
- Working with Idaho Power to develop ways to engage the public in the IRP process.

Public Input

IRPAC meetings are virtual and open to the public. Links to attend meetings via Webex will be posted here.

Q & A

Submit questions or comments using the form on this page or email our IRP team.