

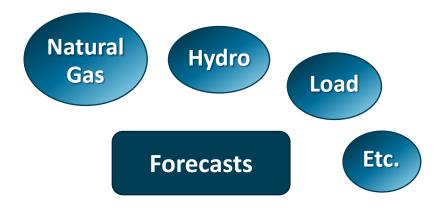
December 2024



Integrated Resource Plan Construction









Future Supply-Side Resources







Integrated Resource Plan Construction





Preferred Portfolio—Valmy 1 & 2 (MW)												
Year	Coal Exits	Gas	H2	Wind	Solar	4 Hr	8 Hr	100 Hr	Trans.	Geo	DR	EE Forecas
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

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IRPAC Modeling Scenarios Feedback

IRPAC

Extreme Cold Temperatures **High Temp Resource Output** Constrained Resource Availability
Extreme Evening Temperatures High Summer Temperatures Constant 100+ Degree Days Decreased Resource Life

No EPA Rule **Resource Permitting Constraints** Regional Extreme Weather No PPA Renewals No Carbon Cost Cost Time of Use Low Snowpack

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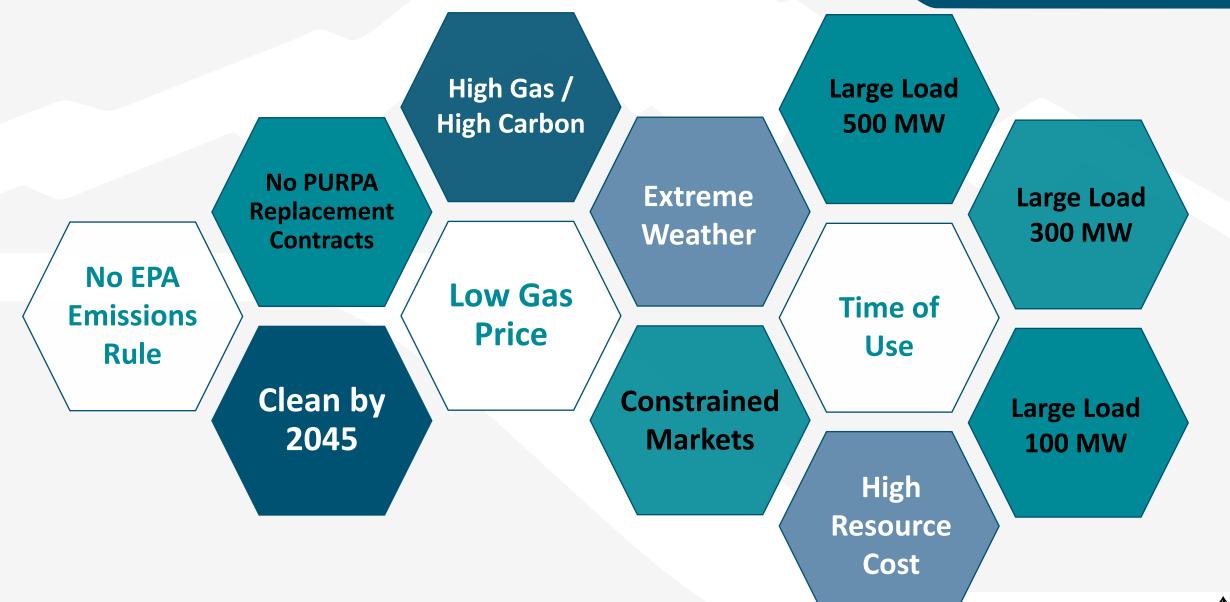
Scenarios vs Sensitivities

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.

DRAFT 2025 IRP Scenarios





DRAFT 2025 IRP Sensitivities



Bridger

- Carbon Capture
- Gas Conversion
- Exit

Resource Specific*

- Nuclear
- Natural Gas
- Energy Efficiency
- Demand Response

*These are examples. Resource specific sensitivities will be developed after seeing the preferred portfolio resource mix.