



Future Supply-Side Resources

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Acronyms

CCCT — Combined Cycle Combustion Turbine

EIA — U.S. Energy Information Administration

NLR — National Laboratory of the Rockies (formerly NREL)

O&M — Operations and maintenance

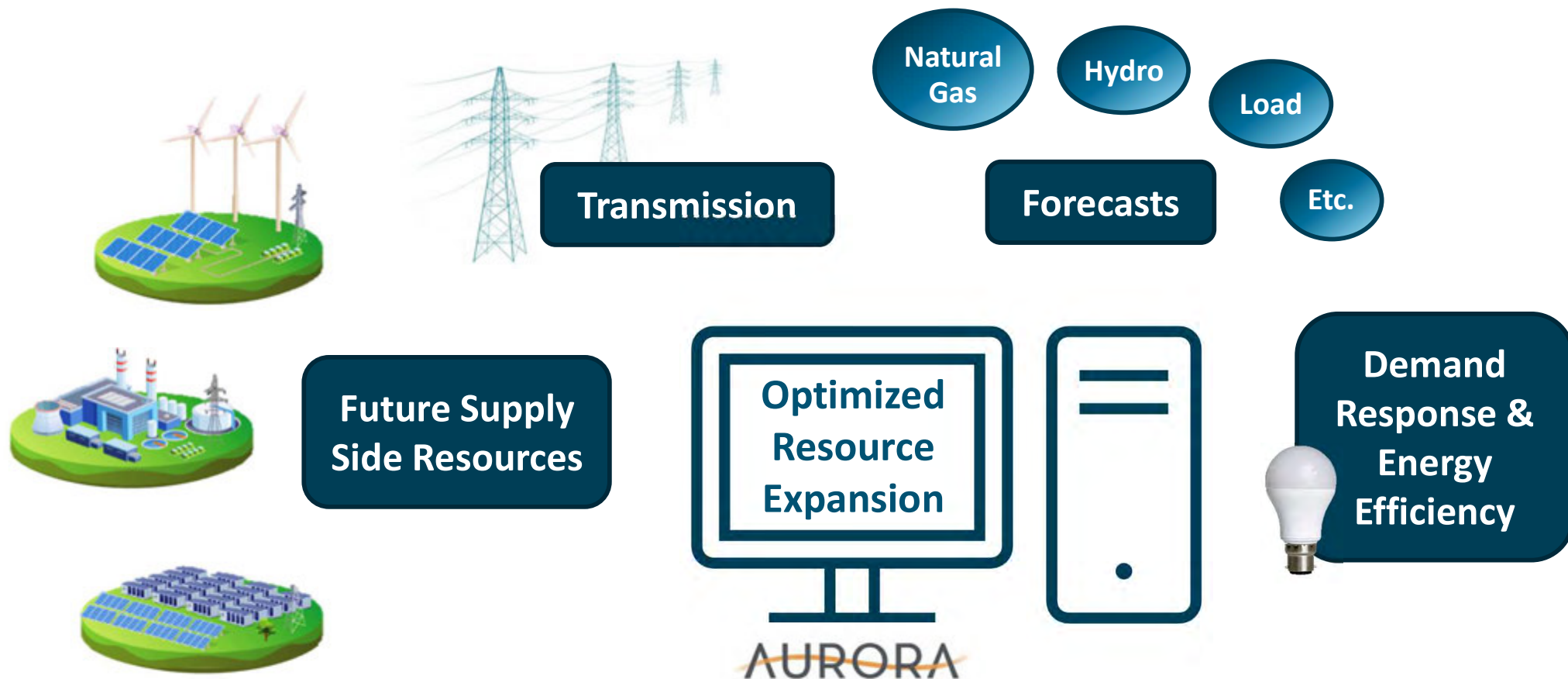
Recip — Reciprocating internal combustion engine

RFP — Request for Proposal

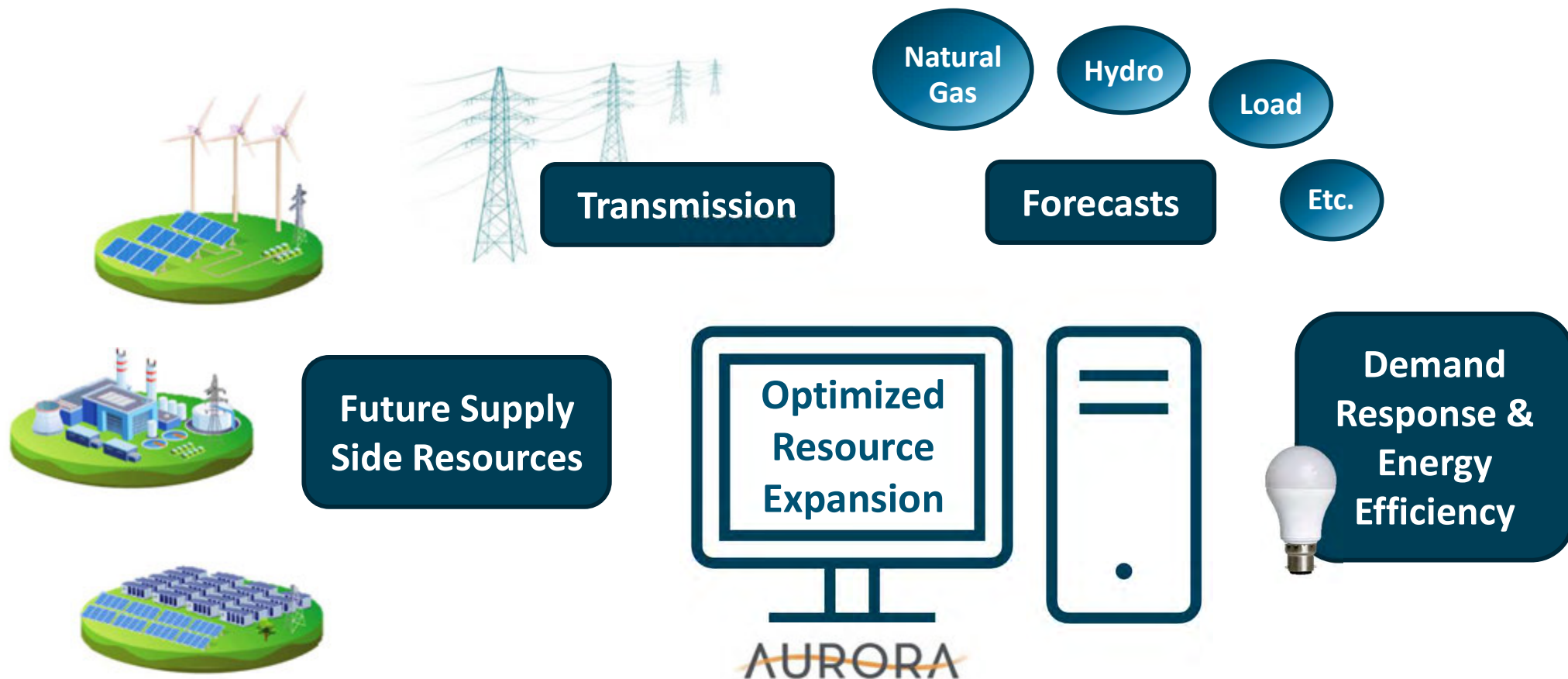
SCCT — Simple Cycle Combustion Turbine

SMR — Small Modular Reactor

Integrated Resource Plan Construction



Integrated Resource Plan Construction



Educational Resources

Our 20-Year Plan

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Idaho Power publishes an Integrated Resource Plan (IRP) every two years. 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 reviewed by regulators 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 670,000 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

The next IRPAC meeting will be Thursday, Oct. 8, 2026, at 9 a.m. (Mountain Time)

Instructions for attending via Webex will be provided here before the meeting.

In addition to participating in IRPAC meetings, customers are invited to submit questions using [the form on this page](#) or [email](#) our IRP team.

Educational Resources

Idaho Power has assembled [this list of educational resources](#) to enhance public understanding of the IRP process and reduce the time spent in IRPAC meetings reviewing background material.



Idaho Power Videos

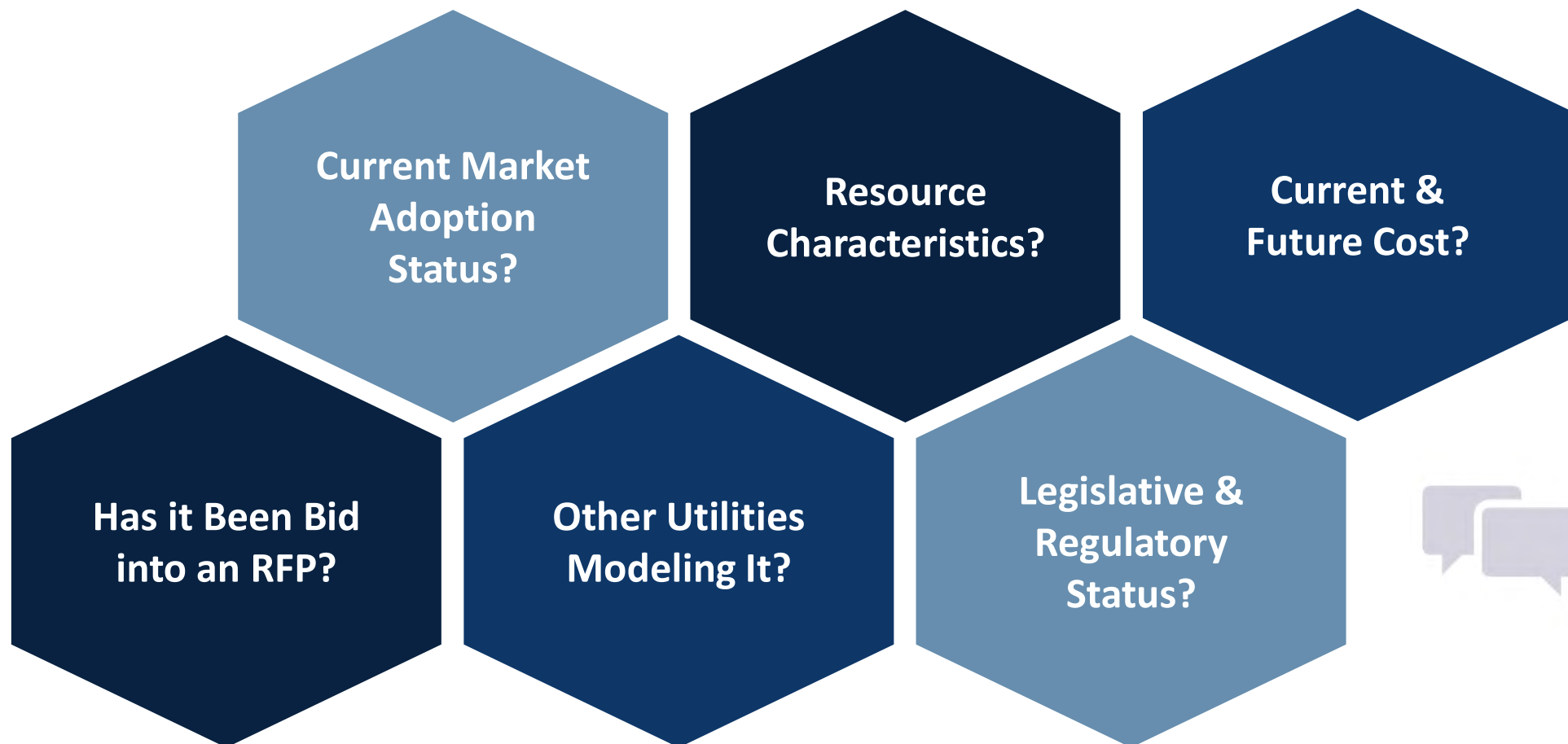
[Video: AURORA Model Overview](#)

[PDF version](#)

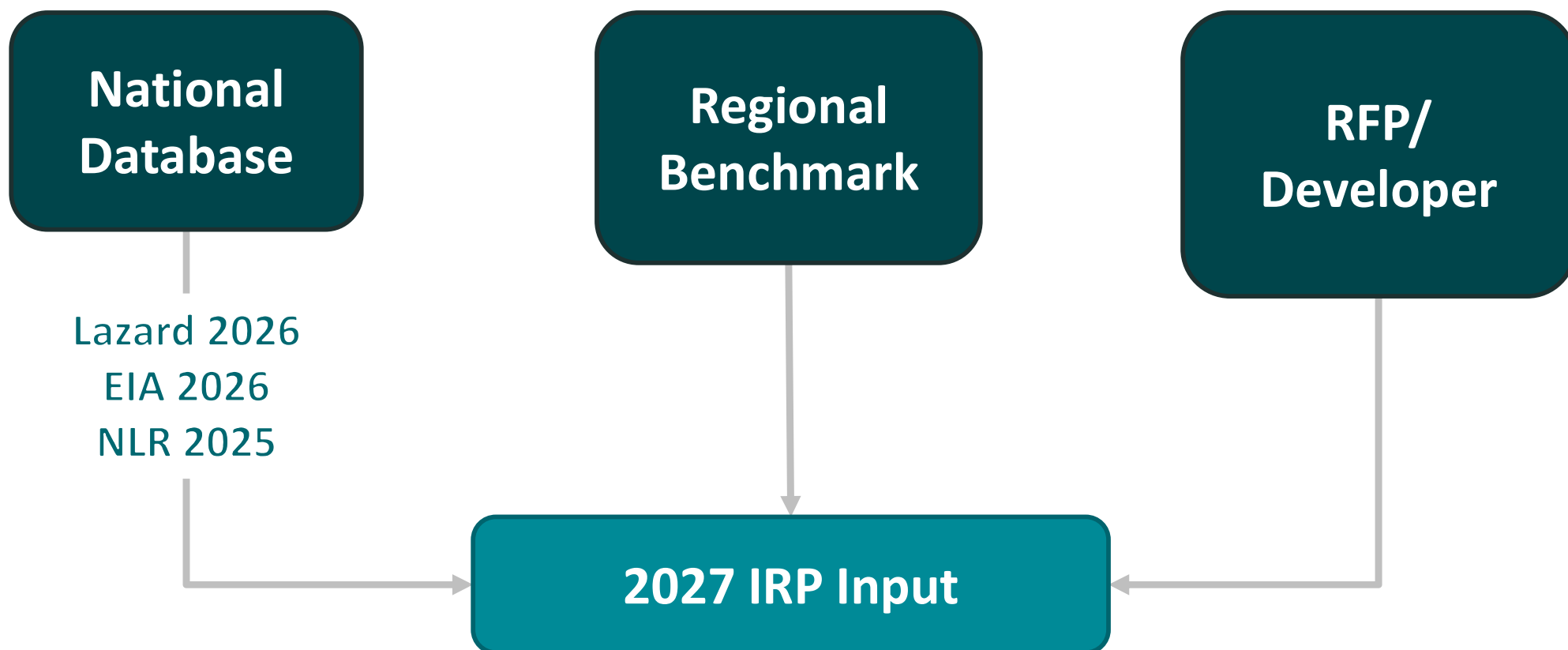


idahopower.com/IRP

Supply Side Resource Considerations



Resource Cost Methodology



Total Resource Cost

Capital Cost

(cost to build)

Fixed O&M

(costs incurred
regardless of
output)

Variable O&M

(costs incurred
dependent on
output)

Other Cost Modifiers

(fuel cost, start cost,
etc.)

Resource Characteristics

Resource Type	Average ELCC*
Solar	14%
Idaho Wind	19%
4-hr BESS	33%
8-hr BESS	57%
Natural Gas (CCCT, SCCT, Recip)	91% - 95%

* ELCCs from the 2025 IRP

Draft Supply Side Resource Costs (\$2028)

Resource	Overnight Capital Cost (\$/kW)	Fixed O&M (\$/kW – Month)	Variable O&M (\$/MWh)
Natural Gas: CCCT (400 MW)	2,900	1.50	3.80
Natural Gas: H-Frame SCCT (400 MW)	2,000	0.70	4.50
Natural Gas: F-Frame SCCT (200 MW)	2,300	0.80	4.50
Natural Gas: Recip (100 MW)	3,100	1.50	5.80
Nuclear: SMR (200 MW)	12,900	11.90	4.70
Geothermal (100 MW)	7,000	15.10	0.00

Draft Supply Side Resource Costs (\$2028)

Resource	Overnight Capital Cost (\$/kW)	Fixed O&M (\$/kW – Month)	Variable O&M (\$/MWh)
Solar (100 MW)	1,900	2.30	0.00
Wind: ID & WY (100 MW)	2,900	3.50	0.00
Storage: 4-Hr (50 MW)	1,400	2.80	0.00
Storage: 8-Hr (50 MW)	2,600	5.60	0.00
Storage: 100-Hr (50 MW)	3,200	2.50	0.00

Recent Resource Cost Trends¹

Resource Type	2024 Avg. Cost	2026 Avg. Cost	% Increase
Solar PV: Utility	\$60.50/MWh ²	\$69/MWh ²	14%
Wind: Onshore	\$50/MWh ²	\$68/MWh ²	36%
Gas: Peaking	\$925/kW ³	\$1,375/kW ³	49%
Gas: Combined Cycle	\$1,075/kW ³	\$1,775/kW ³	65%
Storage: 4-hr	\$294/kW-year ⁴	\$317.50/kW-year ⁴	8%

¹Source: Lazard, *Levelized Cost of Energy+ (LCOE+)*, Version 19.0, July 2026 and Lazard, *Levelized Cost of Energy+ (LCOE+)* Version 17.0, June 2024

²LCOE – Levelized Cost of Energy

³Capital Cost

⁴LCOS – Levelized Cost of Storage

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Additional Resources

Hydropower

[Hydropower Basics](#) | [Department of Energy](#)

Natural Gas

[Energy101: Natural Gas](#) | [Department of Energy](#)

[Natural gas explained](#) | [U.S. Energy Information Administration \(EIA\)](#)

Solar

[Energy 101: Solar PV](#) | [DOE](#) | [Video \(2:00\)](#)

Storage

[Energy storage for electricity generation](#) | [U.S. Energy Information Administration \(EIA\)](#)

| [Video \(2:07\)](#)

[Energy Storage Research](#) | [NLR](#) | [Video \(1:12\)](#)

Transmission

[Video \(5:18\)](#)

[Video \(2:22\)](#)

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