

Balance of Power

Experience the energy transition.
Do not just hear about it.

Participants lead an energy company through 12 rounds of changing demand, technology, market conditions, policy pressure and shared system risk.

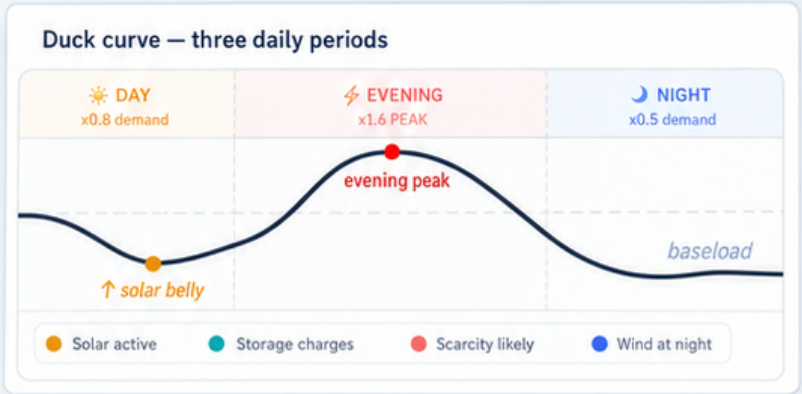
12
GAME
ROUNDS

3
ESCALATING
ERAS

3
DAILY MARKET
PERIODS

Debrief — final standings

#	COMPANY	MWh dispatched	PEAK \$/MWh	CO ₂ SCORE	TOTAL SCORE
1	G01 ★	120	\$308	47	554.04
2	G02	98	\$256	39	256.57
3	AI Idealist 🌱	88	\$289	44	288.51
4	AI Opportunist 🌱	76	\$142	32	142.86
5	AI Incumbent	64	\$139	28	139.00



Build your starting fleet

Founding Era NOW
Rounds 1–4
11–45 MWh
demand range
×1 CO₂
Low stakes. 🌱 LGC prices highest now — renewables earn certificates on top of energy revenue.

Growth Era
Rounds 5–8
18–78 MWh
demand range
×2 CO₂
Demand surges. 🌱 LGC starts falling. ⚡ FCAS rising — storage becomes more valuable.

Metropolis Era
Rounds 9–12
24–104 MWh
demand range
×3 CO₂
⚡ FCAS peaks — storage & gas earn ancillaries every round. 🌱 LGC low. Carbon squeezes coal.

Generator shop

Solar \$350–\$1,800	Wind \$1,200	Storage \$1,800	Gas \$1,500	Coal \$2,000	Nuclear \$6,000
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Bidding phase
Round 8/12 — Founding

Demand +2 MWh Carbon \$20/CO₂

DAY	26.4 MWh
EVENING	52.8 MWh
NIGHT	16.5 MWh

Set price (\$/MWh) and quantity (MWh) for each generator. Lowest accepted bid sets the clearing price.

Grid failure — blackout

BLACKOUT
2.0 MWh
unserved demand

Grid restoration suspended
Night trading locked

Invest in more capacity and firm resources to avoid this outcome.



Designed and facilitated by GG Advisory

Energy-market learning | Professional development | Stakeholder engagement

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A recurring cycle of decisions and consequences

Every round reveals new conditions, requires operational and commercial choices, then exposes the consequences before the next investment decision.

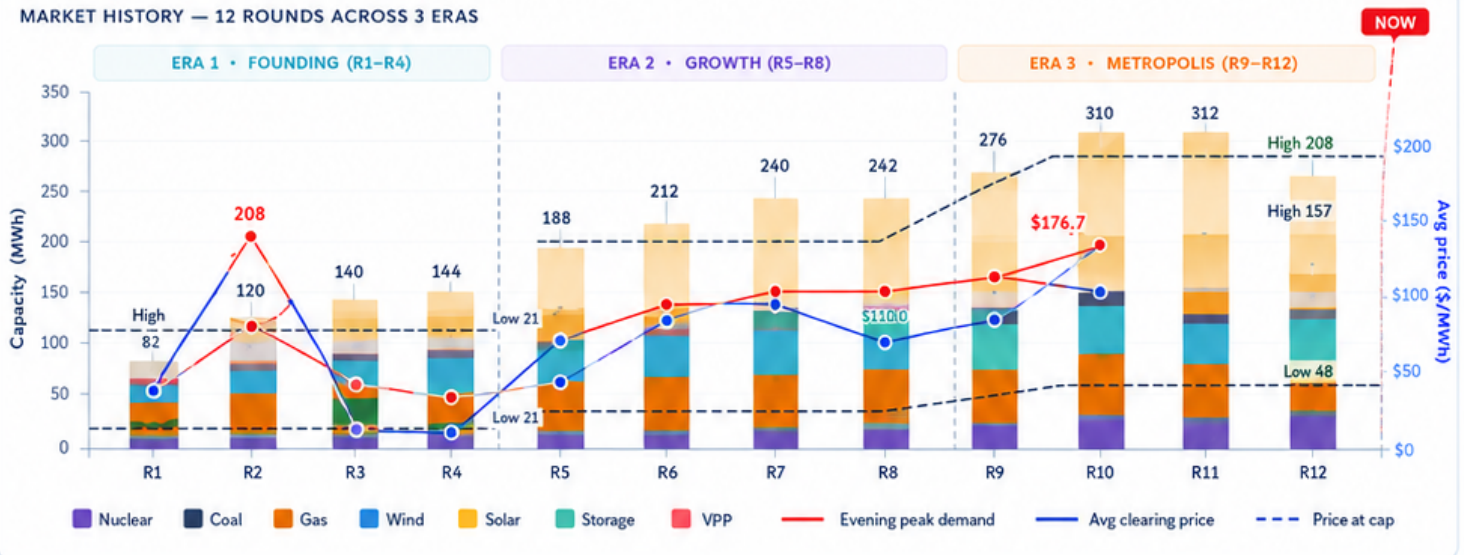


BEYOND A SINGLE MARKET ROUND

Strategy evolves across three escalating eras

Across Founding (Rounds 1–4), Growth (Rounds 5–8) and Metropolis (Rounds 9–12) demand, constraints and preparation costs rise. At each round, unexpected events or operating conditions can occur—changing weather, policy or demand conditions, or event cards—that affect the context and challenge every strategy.

MARKET HISTORY — 12 ROUNDS ACROSS 3 ERAS



CAPACITY, DEMAND, PRICES, SHORTAGES AND BLACKOUTS ACCUMULATE OVER TIME

⚡ SYSTEM STRESS

Insufficient supply can trigger a blackout, unserved demand and suspended trading in later periods.



BLACKOUT EXAMPLE — ROUND 7 EVENING

Demand exceeded supply. Grid restoration suspended. Night trading locked.

☀️ DAY

49.6 MWh demand

\$10.00

/MWh clearing

price set by

All Idealist

⚡ EVENING

99.2 MWh demand

BLACKOUT

2.0 MWh

unserved demand

no clearing price

🌙 NIGHT

31 MWh demand

CANCELLED

Grid restoration

in progress—

trading suspended

i Bids ranked cheapest = most expensive. Dispatched until demand is met. All dispatched generators earn \$300.00/MWh — the clearing price set by the last accepted bid.

📊 DEBRIEF AND PERFORMANCE INSIGHTS

FINAL STANDINGS (BY NEM SCORE)

Rank	Team	NEM Score	Change
1	Horizon	78	▲ 2
2	BluePeak	73	—
3	VoltEdge	68	▼ 1
4	Gridform	61	▲ 1
5	Summit	54	▼ 2
6	TerraGen	46	—

NEM SCORE BREAKDOWN

🔧 Reliability	22 / 25
💰 Carbon	18 / 25
💵 Affordability	16 / 25
🔄 Flexibility	14 / 25
🛡️ Resilience	8 / 25
TOTAL	78 / 125

DEBRIEF DISCUSSION PROMPTS



Reliability outcomes

Where were shortages or price spikes most severe? Which assets and bids kept the system reliable?



Carbon and cost trade-offs

Which strategies balanced emissions and affordability? How did scarcity pricing influence outcomes?



Investment timing and portfolio mix

What investments delivered value over time? How did flexibility, storage and VPPs shape performance?

THE MECHANICS PARTICIPANTS MUST BALANCE



Technology

Generation mix, storage, flexibility and learning curves



Markets

Three-period bidding, merit order, scarcity and ancillary services



Investment

Capital, construction timing and evolving demand



System

Reliability, fuel reserves, carbon limits and collective risk

A shared language for complex transition choices

Balance of Power turns electricity-market concepts into a memorable shared experience, creating a practical foundation for discussion and reflection.



Graduate & employee induction

Build an accessible foundation in electricity-market concepts.



Professional development

Explore trade-offs through active decision-making.



Strategy & stakeholder teams

Create a common frame for discussing market and technology choices.



Industry cohorts & events

Bring an engaging, structured format to professional programmes.

FLEXIBLE DELIVERY

1



Introductory demonstration

A concise introduction for prospective hosts, leadership teams or events.

2



Facilitated workshop

The full market journey, participant decisions and a structured group debrief.

3



Custom session

Adapted to a specific audience, transition theme or stakeholder discussion.

Format and pricing are confirmed following an initial discussion of the audience, objectives and available time.



Build

Design your fleet, assumptions and market conditions.



Bid

Compete in the market as conditions change across the day.



Debrief

Reflect on outcomes, insights and strategic trade-offs.

FOUNDING PILOT PROGRAMME

Bring the energy transition to life

GG Advisory is inviting a small number of energy-sector organisations to host an early facilitated workshop adapted to their audience.



Explore the workshop

Developed and facilitated by Dr Antonin Demazy de Fortet

Founder and Principal of GG Advisory, with more than 20 years of international experience across energy systems, strategy and emerging technologies.

Balance of Power deliberately simplifies the Australian electricity market. It is a professional learning and discussion tool, not a forecast, dispatch engine, investment model or operational representation of the NEM.

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