

CRR's QUANT^eFied: Unlocking CAISO's \$4.4B Congestion Goldmine

CAISO CRR Auctions - Where Data Meets Dominance

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Kevin Monahan, Founder & CEO

Profitable. Proven. Pioneered.

California's grid is a \$4B+ congestion nightmare — just like traffic. 93% of the profit goes untouched



CAISO's grid congestion creates over \$240M/Month of Profitable Congestion



Only 50 Legacy participants: Rely on flawed California Energy Commission (CEC) forecasts, using outdated methods



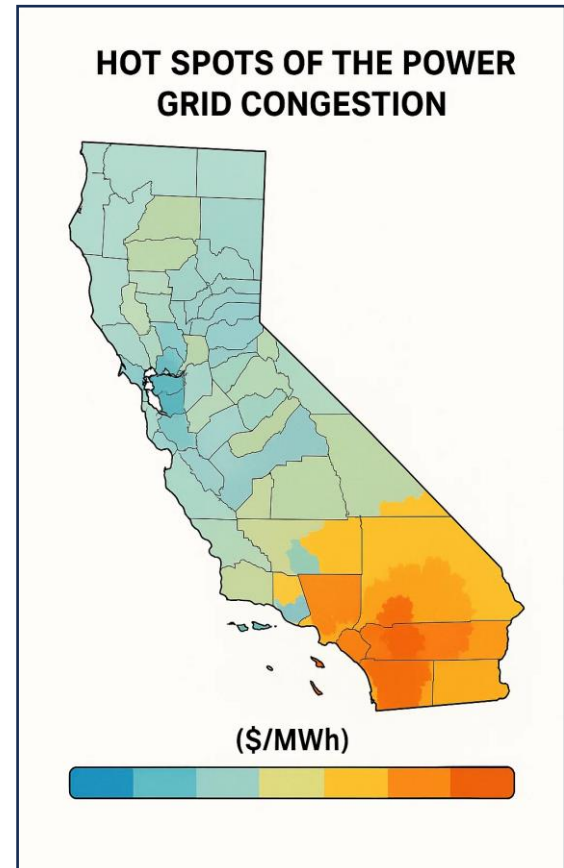
2% of the Paths are being utilized — 7% of the profits being claimed








Large datasets needed to distill/analyze all grid nodes; creates barriers to entry

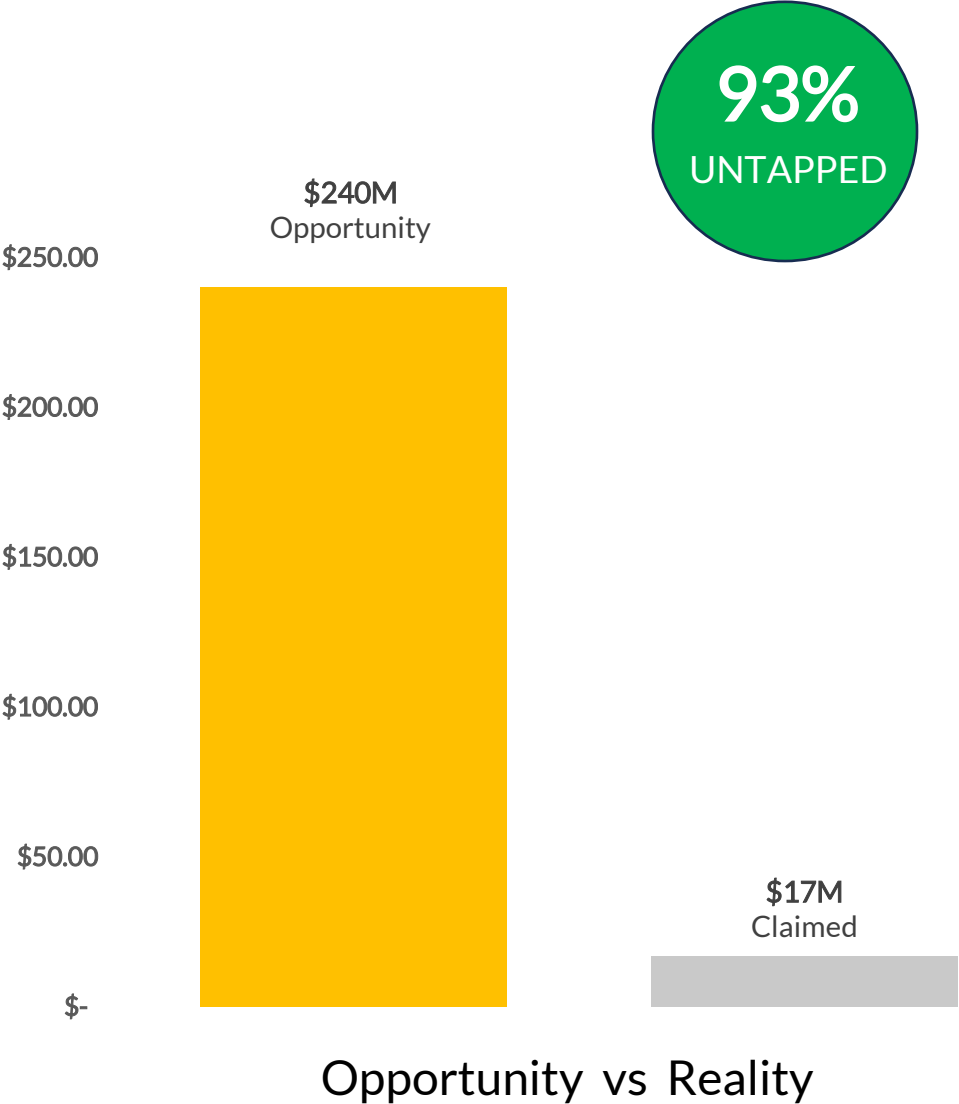


In 2024, CAISO curtailed 41M (MWh) of wind and solar output, a 28% increase from 2023
Largely due to congestion



\$240M Monthly Jackpot – Only \$17M Claimed

-  93% of financial opportunity untouched
-  60% of congestion paths are profitable
-  Only 5,000 out of 250,000 paths utilized – leaving behind 98%
-  Even with blunt models & 2% of paths: 65% of participants are profitable each month—many earning 100%+ returns —proving just how inefficient and untapped this market really is.
-  Opportunity to increase the amount of green energy utilized; by decreasing congestion, we decrease curtailment



Zero losses. \$11M+. 41 Months.



CAISO Experience:

- 41 Straight profitable months at a Load Serving Entity; without capacity to scale
- Forecasting load usage and generation in three major utilities, dozens of sectors
- Rewrote the California Energy Commission's load forecasting methodology; Coincident Factor



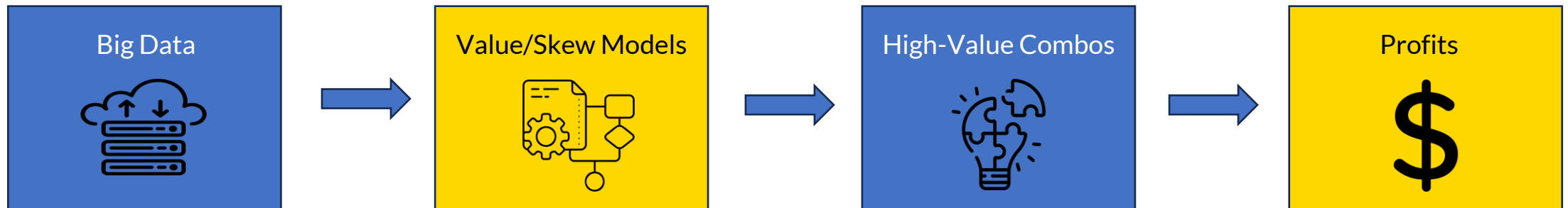
Quantefied is built and ready to launch:

- Complete and tested infrastructure, ready for immediate deployment
- Fully operational platform with proven tools, models and algorithms
- High-speed analytics deliver market-wide insights to drive strategic CRR bidding

Awaiting only funding to meet CAISO's financial requirements and begin registration

We Cracked the Code: Proprietary Models – Unmatched Results

- ✓ Proprietary quantitative models that exploit CEC forecast flaws & congestion imbalances
- ✓ Capture and analyze over a billion rows of data – Lightning fast analysis
- ✓ Target untouched high-value, low skew, CRR Paths
- ✓ Full access view expands from 2% to 100% path coverage
- ✓ Time tested algos increase probability of profitable congestion from 60% to 90%



Kevin Monahan, Founder & CEO



- * Created \$11+M CRR returns with no losses: 41 months
- * Former equities trader & investment banker - \$100M portfolio
- * 25+ years in forecasting, trading and analytics
- * Spent last 4 years in the trenches of CAISO CRR's and load generation & usage forecasting, at a Load Serving Entity
- * Strengthening the Grid through CRR's

Future team members include settlement administrator and data scientist

What are CRR's?

- 🔍 CRR's (Congestion Revenue Rights) allows market participants to hedge against congestion costs in the electricity transmission grid
- 🔍 CRR's pay the price difference between generation and consumption points
- 🔍 Think of them as toll road passes for electricity
- 🔍 No need to own generation or load– just insight



Congestion \neq Speculation. It's math + physics



Risk Controls:

- CAISO provided Credit Margin collateral per Path to estimate downside risk
- Wide diversification & Low Position size limits
- Established limits for risk exposure (VaR)

Year	Month	# of Paths	Avg MW	Min MW	Max MW	Total MW	CAISO Total CM	Total Costs	Total Projected Congestion	Projected Profit	VaR 95%
2025	3	210	1.25	0.05	2	252	\$15,000	\$42,000	\$325,000	\$ 283,000	\$23,000

Low concentration of MW per path

Quantify expected Profit/Risk exposure

Diversification via many different paths

CAISO calculates Credit Margin for each path, the lower the amount –lower the implied risk



Note: On average, 60% of paths are profitable each month.

We systematically isolate the top 10-15% high confidence paths, creating a risk-reward profile statistically asymmetric.

Grid Chaos Is Growing. So Is the Opportunity

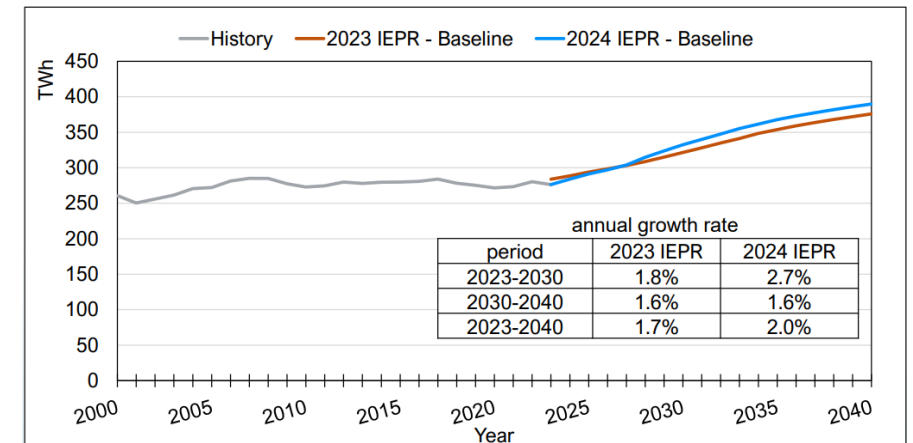
- In CAISO, green energy curtailment is largely a result of congestion
- Growing Congestion Opportunity: CEC IEPR Forecast calls for 2.7% annual growth over the next 5 years
- Competition is small and localized: Only 50 participants overlapping each other - 2% of the market
- CRR's mitigates the volatility of congestion rents & supports operational reliability' & a 'forward-looking grid signal'- CAISO
- We're not building from scratch; we're scaling a proven model: We have the data, plan & track record



In 2024, CAISO curtailed 41M (MWh) of wind and solar output, a 28% increase from 2023

...Profit from stabilizing the grid

Statewide Baseline Electricity Consumption Forecast



Exclusive One-Time Raise Opportunity

- \$2M: Provides for FERC Financial requirement and CAISO CRR Auction Activities
- Provides the ability to hit the ground running in 60 Days, Cash flow positive in months, not years
- Targeting \$5M-\$7M profits in Yr 1, \$21M-\$25M Yr 2
- Low overhead: Year 1 estimate of \$200K

in thousands	Year 1	Year 2	Year 3	Year 4
Revenue	6,000	22,000	60,000	120,000
Expenses	200	530	620	715
Cash From Ops	5,800	21,470	59,380	119,285
Headcount	1	3	3	3
Cash from Financing	2,000	-	-	-
Op Margin %	97%	98%	99%	99%



No products to build – No customer acquisition – No inventory – No marketing: Just execution!



**PARTNER-UP.
IT'S ONE SHOT.
OWN THE GRID'S NEXT EVOLUTION.**

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Let's lock in your stake

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