Drew Gray

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PROFILE

Energy trader with a rare "glass box" understanding of US power markets—built from 15+ years designing the SCED/SCUC optimization engines that ISOs use to clear markets and calculate prices. $38M+ personal trading P&L. Built automated bidding systems from scratch. Expert in translating grid physics and nodal constraints into quantitative trading strategies.

EXPERIENCE

REV Renewables
Bentonville, AR

Head of Trading, West
Aug 2022 – Jan 2026

- Led commercial strategy for 750MW / 2.5GWh BESS portfolio in CAISO; $100M+ annual revenue
- Generated $38M+ personal trading P&L via ICE hedging and directional positions ($7.5M in '23, $1M in '24, $15M in '25, plus $15M unrealized on '26–'27 forwards)
- Built end-to-end automated bidding systems—price forecasting, congestion modeling, bid optimization
- Originated structured swaps; led congestion analysis guiding capital deployment across the US

EDF Renewables
Bentonville, AR

Associate Director, Solar & Storage Product Management
Aug 2020 – Aug 2022

- Built algorithmic bidding platform for BESS: price forecasting, ancillary co-optimization, arbitrage execution
- Led cross-market strategy across CAISO, ERCOT, and PJM; collaborated with regional traders on dispatch
- Partnered with Origination and Capital Markets on project valuation via fundamental grid analysis

Walmart
Bentonville, AR

Senior Manager II, Renewable Energy Origination
May 2019 – Aug 2020

- Procured 1+ TWh renewable energy via VPPAs; built optimization tools for 4,000+ site BTM portfolio
- Collaborated with Texas Retail Energy on wholesale risk management across ERCOT, PJM, and NYISO

GE Grid Solutions / Alstom Grid
Redmond, WA

Senior Market Systems Project Engineer
Jun 2014 – May 2019

- **The Edge:** Lead developer for SCED/SCUC software ISOs use to clear markets—intimate knowledge of how constraints bind, shadow prices form, and LMPs are set
- Primary focus SPP; also delivered market systems for PJM, ISO-NE, MISO, and Transpower (New Zealand)
- Redesigned systems for FERC compliance; gained insider understanding of market protocols

Southwest Power Pool
Little Rock, AR

Senior Engineer
Jan 2008 – May 2014

- Key contributor to design and testing of the Integrated Marketplace (DA/RT); ensured optimal pricing
- Built tools to visualize market results and diagnose pricing anomalies—directly transferable to finding alpha

CORE COMPETENCIES

Markets	CAISO, ERCOT, PJM, SPP, MISO, ISO-NE, NYISO
Strategies	Energy Arbitrage, Basis Hedging (ICE/Nodal), Structured Swaps, FTRs/CRRs, Virtuals
Technical	Python, SQL, C#, C++, AIMMS, Java
Grid Systems	SCED, SCUC, LMP Mechanics, Congestion Analysis, FERC 841/831

EDUCATION

University of Arkansas
Fayetteville, AR

B.S. Electrical Engineering
Dec 2007