

Meeting sustainability targets while reducing your energy spend

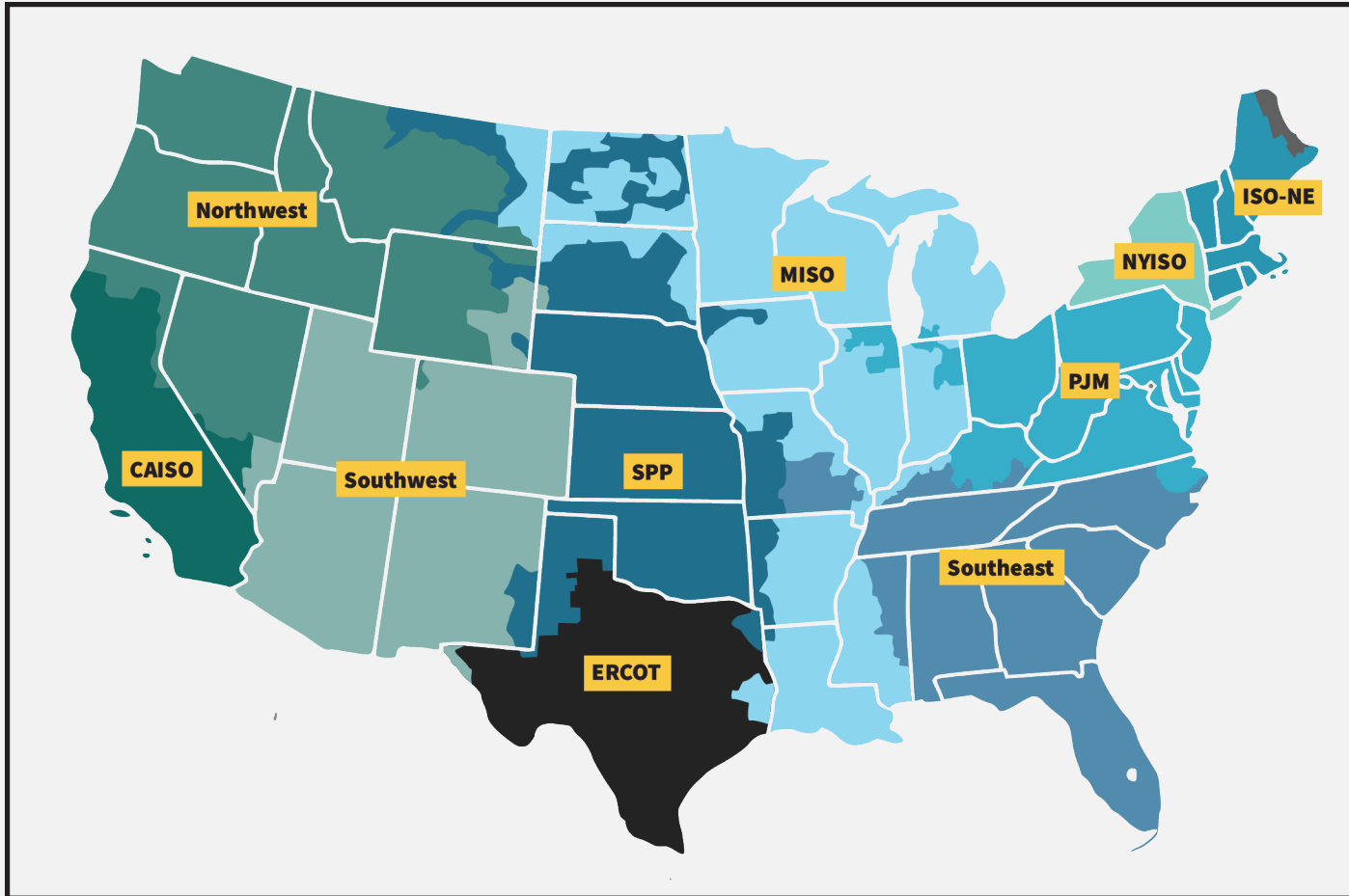
Paul Grod, CEO

November 8, 2023

Why Rodan Energy

- For over 20 years we have been the trusted provider of energy management solutions to NA's largest manufacturers
- Our mission – Making Sustainable Attainable
- Develop and operate behind the meter distributed energy resources (DERs)
- Today we optimize over 1,000 MW of DERs

Energy Markets



- *Complicated and dynamic*
- *You need a*
 - *technical solution that meets your operating needs,*
 - *maximizes ROI based on the market opportunities in your region,*
 - *Meets ESG goals*

Demand Management

How and when you use electricity can make a significant impact on your energy bill and ESG targets

3 Levels of Demand Management

1. Demand response
2. Behind the meter DERs
3. Microgrids

Level 1 - Demand Response

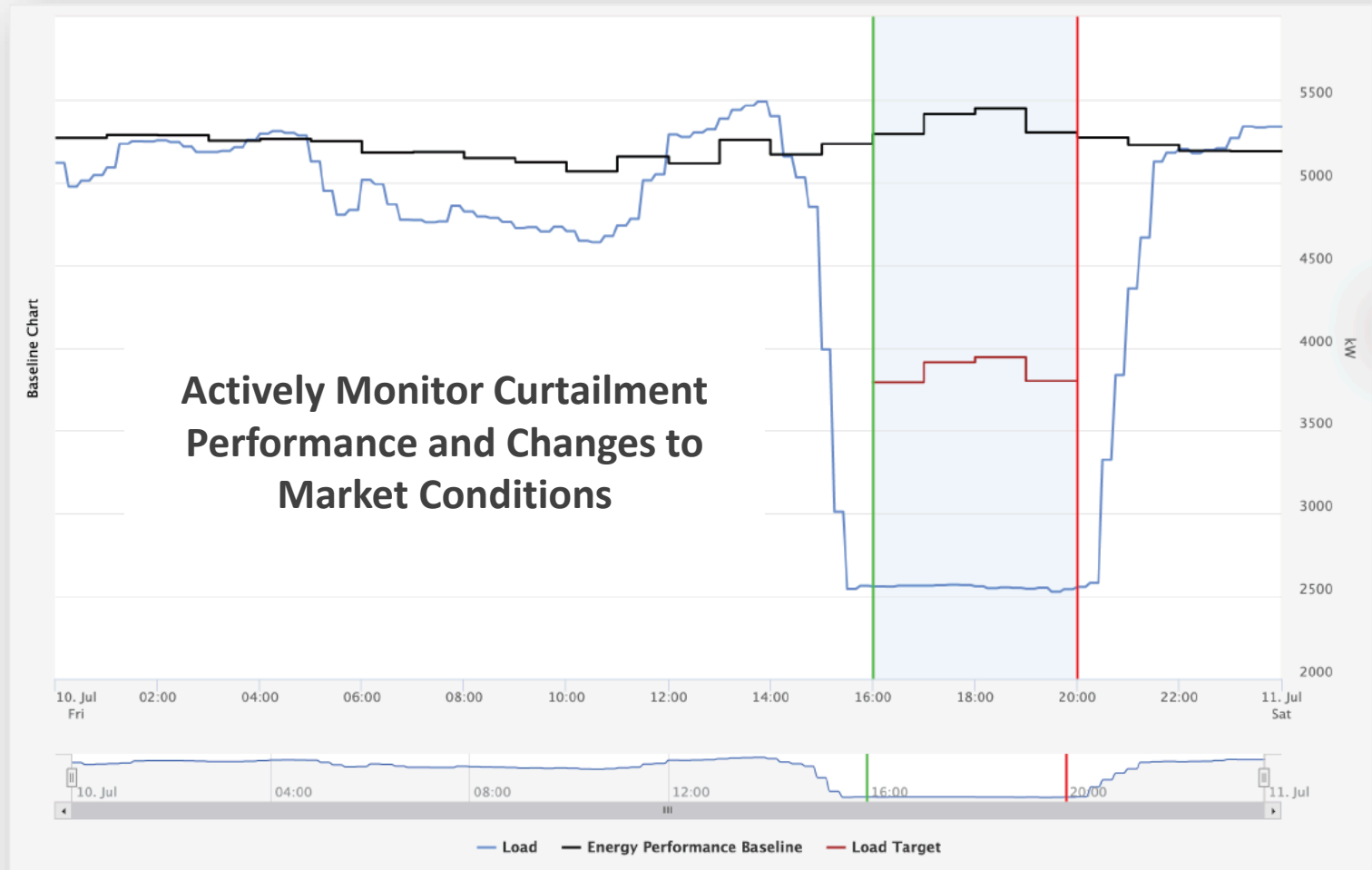


Demand Response Opportunities

- Capacity Programs
- Transmission & Demand Charge Avoidance
- Economic Programs
- Operating Reserves
- Regulation Services

Vary dramatically by State, ISO, Utility, and Zone

- Economic value
- Performance requirements



Level 2 - Behind the meter power systems

Battery Storage

- Utilize Energy Market Algorithms to Optimize Battery Charge/Discharge Cycles

Generation

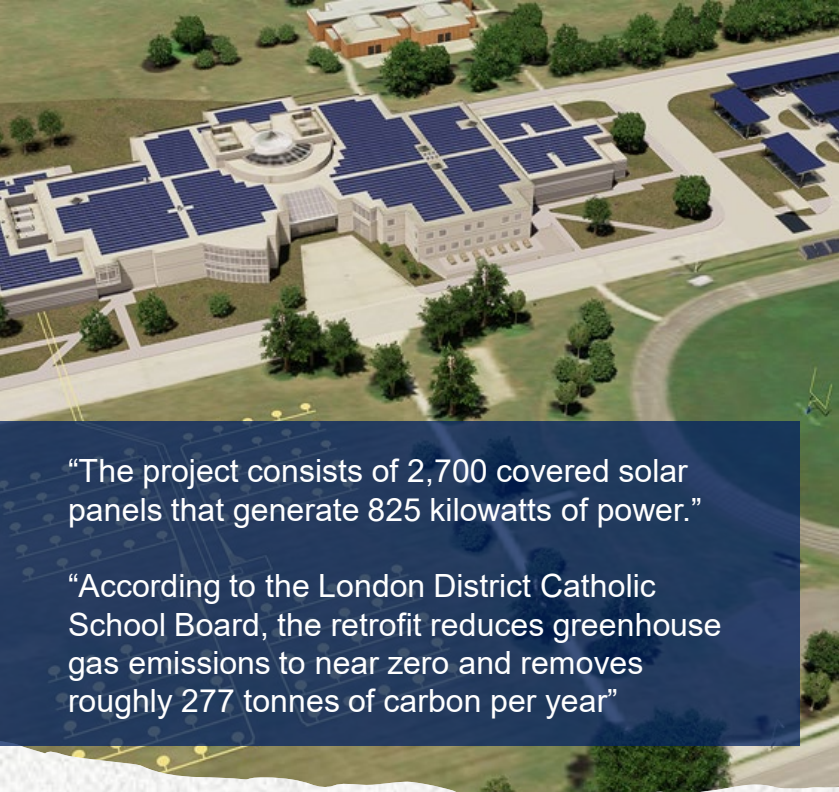
- Longer run cycles to ensure peaks are hit
- Resiliency for longer outages
- Barriers - Permitting, gas connection and uncertainty of future cost



Level 3 - MicroGrid

Behind the meter battery, solar, demand response, EV charging and grid connectivity

- Fully-independent and/or interoperable power system
- Incorporate UPS for consistent power flow and quality
- Can get you to net-zero



“The project consists of 2,700 covered solar panels that generate 825 kilowatts of power.”

“According to the London District Catholic School Board, the retrofit reduces greenhouse gas emissions to near zero and removes roughly 277 tonnes of carbon per year”



Net Zero – Canada’s First Carbon Neutral School

SOLAR + STORAGE + DR + OPTIMIZATION

Behind the Meter Project

- Canada’s First Carbon Neutral School
- Rodan Optimized & Controlled Dispatch Operations
- Our Energy Market Algorithms were used to Optimize Battery Charge /Discharge Cycles with Solar Car Port and Grid Connected Power
- Remote Dispatch of Battery Maximized Revenues

Economic Value – Example MISO

Average \$/MW/Year Value										
Product	LRZ 1	LRZ 2	LRZ 3	LRZ 4	LRZ 5	LRZ 6	LRZ 7	LRZ 8	LRZ 9	LRZ 10
T - Transmission*	\$147,653.6726	\$64,431.33	\$33,754.24	\$68,319.44	\$42,912.99	\$47,418.56	\$62,432.88	\$45,995.98	\$82,990.35	\$45,001.27
C - Capacity**	\$4,500.00	\$4,500.00	\$4,500.00	\$4,500.00	\$4,500.00	\$4,500.00	\$4,500.00	\$4,500.00	\$8,950.00	\$4,500.00
SR - Sync Reserve	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00	\$36,000.00
R - Regulation	\$138,800.00	\$138,800.00	\$138,800.00	\$138,800.00	\$138,800.00	\$138,800.00	\$138,800.00	\$138,800.00	\$138,800.00	\$138,800.00
Total (T+C+SR)	\$188,153.67	\$104,931.33	\$74,254.24	\$108,819.44	\$83,412.99	\$87,918.56	\$102,932.88	\$86,495.98	\$127,940.35	\$85,501.27
Total (T+C+R)	\$290,953.67	\$207,731.33	\$177,054.24	\$211,619.44	\$186,212.99	\$190,718.56	\$205,732.88	\$189,295.98	\$230,740.35	\$188,301.27

Notes

LZ4 & LZ7 allows for Aggregators of Retail Customers (ARC)s which is needed to participate in MISO whole sale programs

**2023/2024 Capacity Auction Cleared Pricing

Conclusion

Leverage your flexibility

- Demand response

Incorporate technologies

- Controls, generation, microgrids

Meeting sustainability targets while reducing your energy spend

- It's complicated – we can help.



Paul Grod, CEO
paul.grod@rodanenergy.com
www.RodanEnergy.com

*Let us help you Make Sustainable Attainable.
Thank You!*