A Developer's Vision for Clean Energy Markets

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Agenda



01. What are growth strategy considerations?

02. What are remuneration options?

03. Energy Prices 101

04. What are our challenges in 100% Clean Markets?

05. Why is price formation important?

06. Wishful thinking?

What are growth strategy considerations?



Policy	Load Growth	Resource
 Policy support Tax incentives Clean energy targets (state, utility, consumer, etc.) 	 Data centers Electrification 	 Strong wind/solar energy Pipelines Geologic carbon sequestration Nuclear fuel supply and storage
Development	Transmission	Markets
Permitting/Environmental	Siting	Tariff Variations
 Permitting/Environmental Challenges 		Tariff VariationsPresence of an RTO/ISO
Permitting/Environmental	SitingCongestion	Tariff Variations

INTERNAL

What are remuneration options?



Market Revenues

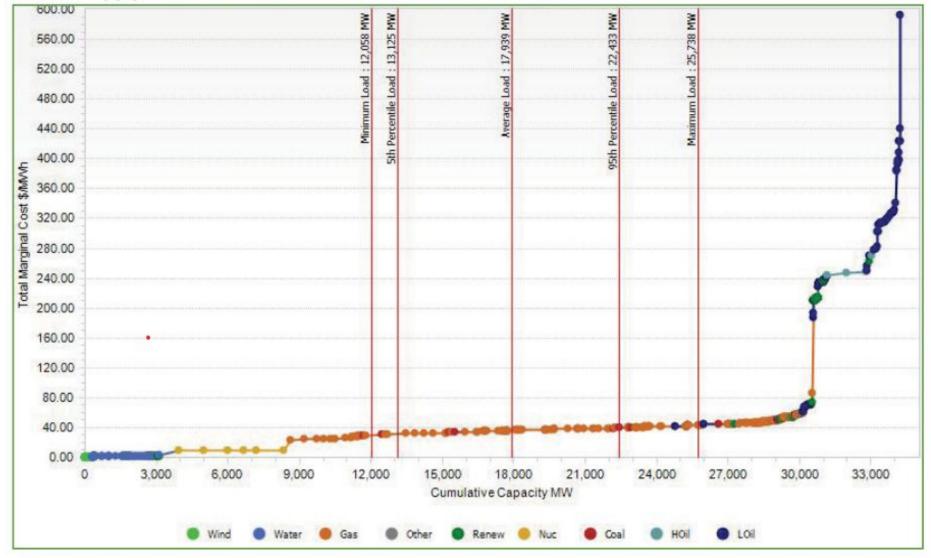
- Energy
- Capacity
- Renewable Energy Credits (RECs)
- Ancillary Services

Other Revenue Opportunities

- Utilities Power Purchase Agreements (PPAs)
- Commercial & Industrial PPAs
- Tax credits

Energy Prices 101







What are our challenges in 100% Clean Markets?

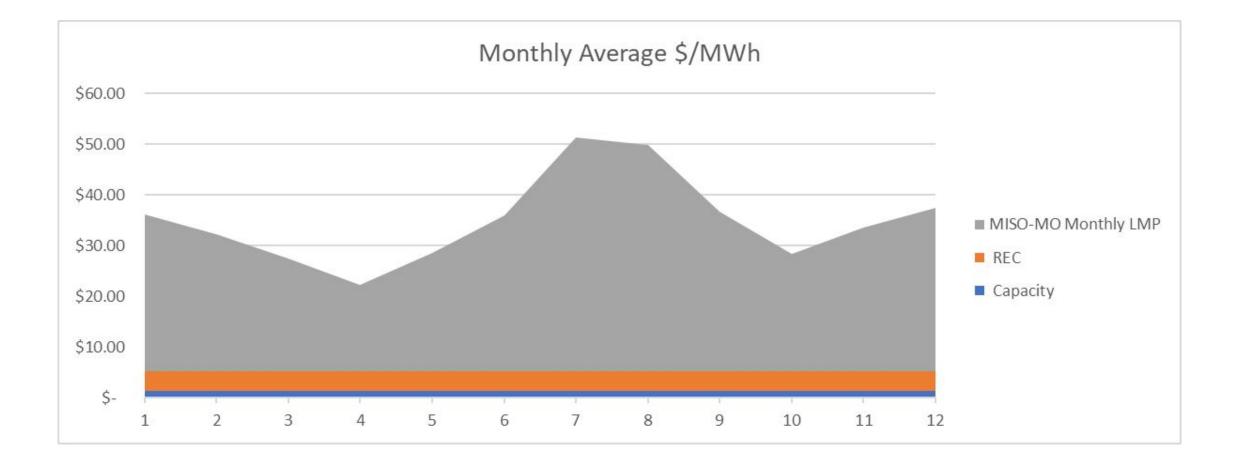




INTERNAL

Why is price formation important?





INTERNAL

Why is price formation important? Price Adder Options



Value of Loss of Load

Scarcity Pricing

Value of Capacity

Capacity Markets

Value of Flexibility

• Responsive to Fluctuating Load and Weather Dependent Generation Patterns

Value of Carbon Displacement

• Measuring the Displacement of Carbon and Other Pollutants

Wishful Thinking?



If energy price is truly intended to help cover fixed costs in the long run, a more holistic view of price formation needs to be taken, which may result in a more complicated outcome