SAMPLE REPORT: Select DER, DR and Retail Rates

NOTE: all forecasts in this product (with the exception of SMART) are portrayed on a "floating COD" basis, ie the forecasts are for values that an illustrative individual project would capture if it CODs in a given forecast year. Separate programs/program components will then either lock values for periods of time or vary them annually

2022 edition



marketprices@ethree.com

Disclaimer

E3 created the following analysis using the best available public information and our expertise and knowledge of the relevant markets. However, the future is uncertain, and this analysis (along with underlying market expectations) and our underlying assumptions and approaches may change due to many factors, including unforeseen events, new technology adoption or inventions, new market structures, regulatory actions, and changes in both state and federal government policies. E3 makes no guarantees related to this analysis or the information presented herein and should not be held liable for any economic damages associated with independent investment decisions.

Contents

- + Introduction to E3
- + Community Solar Landscape
- + Price Outlook Distributed and Clean Energy Programs
- + Price Outlook Demand Response Programs
- + Price Outlook Retail Rates
- + Underlying Wholesale Dynamics: Price Outlook ISO-NE
- + Underlying Wholesale Dynamics: Price Outlook NYISO
- + Underlying Wholesale Dynamics: Price Outlook PJM

Introduction to E3



Who is E3? Thought Leadership, Fact Based, Trusted.

100+ full-time consultants 30 years of deep expertise Aathematics, Public Policy...



San Francisco



New York



Boston

Recent Examples of Relevant E3 Projects



Calgary

E3 Clients



Buy-side diligence support on several successful investments in electric utilities (~\$15B in total)

Supporting investment in several stand-alone energy storage platforms and individual assets across North America (15+ GW | ~\$5B)

Acquisition support for several portfolios and individual gas-fired and renewable generation assets (20+ GW | ~\$4B)

Acquisition support of several electric vehicle infrastructure companies (~\$500M)

Strategic advisory support for a SPAC offering of a distributed energy resource aggregation software company (~\$1.3B)

Supporting an investment into an electric vehicle V2G software company (~\$750M)

Buy-side diligence support to acquire several residential solar portfolios (~1+ GW |200,000+ customers)

Supporting investment in over 5+ GW of community solar and distributed energy resource projects

Energy+Environmental Economics

Copyright Energy and Environmental Economics. Do not duplicate or distribute without written permission. 5

Who is E3? (cont'd)

- + E3 is the largest consulting group focused on the clean energy transition in North America
- + E3 is a recognized thought leader on decarbonization and clean energy transition topics
- + E3 has four major practice areas covering energy systems from bulk grid to behind the meter



Climate Pathways / Policy Analysis

- Climate and energy policy analysis
- Long-term energy & climate scenarios
- Electrification and lowcarbon fuels
- Future of gas

Asset Valuation / Strategy

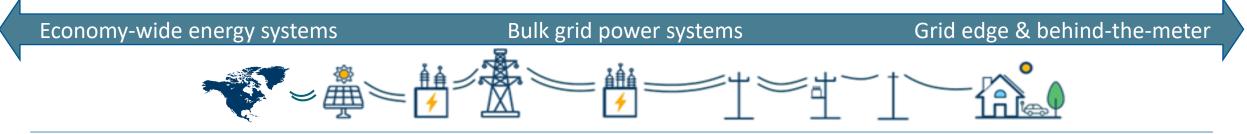
- Asset valuation and due diligence
- Strategic advisory
- Energy market price forecasting
- Market design
- Transmission planning

Resource Planning

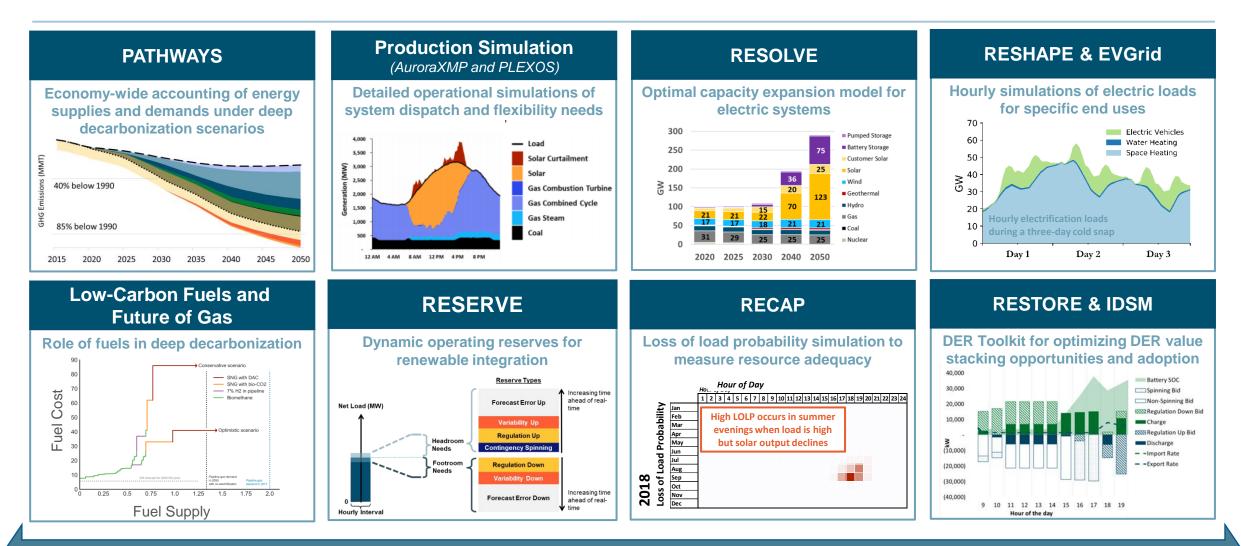
- Integrated resource planning for electric systems: reliability and resource mix
- Planning for utility and state RPS + GHG targets
- Utility planning and procurement decisions

DER / Electrification / Rates

- Valuation of DERs
- DER dispatch and asset optimization
- Rate design
- Grid modernization
- Building electrification
- Vehicle electrification



E3's Comprehensive and Best-in-Class Modeling Toolkit



Economy-wide energy systems

Bulk grid power systems

Grid edge & behind-the-meter

Energy+Environmental Economics Copyright Energy and Environmental Economics. Do not duplicate or distribute without written permission.

7

Asset Valuation and Strategy Practice Area

- The Asset Valuation and Strategy practice area works primarily with project developers, asset owners, and investors
- Insights informed by work being done across the firm that provides a unique 360-degree perspective of rapidly evolving markets
 - <u>Clean Energy Policy</u> → how will policy change the playing field for different resources?
 - <u>Planning</u> \rightarrow what resources will power the grid in 2020? 2030? 2050?
 - <u>Market Analysis</u> → how will market prices evolve in the grid of the future?
- The E3 Asset Valuation and Strategy team provides a variety of analytical support tailored to client needs.
- + Typical services include:
 - Transaction support and due diligence on both the buy side and sell side
 - Strategy formulation and market entry
 - Board-level reports on market outlook and asset performance
 - Customized forward-market price projections incorporating impacts of policy and technology changes
 - Revenue stream/benefits analysis, either on an individual asset or portfolio basis

- Production simulation cost modeling using in-house proprietary tools or customized commercial software
- Project site evaluation
- Off-taker assessments
- Basis spread assessment
- Wholesale market rules and bidding strategies

000

Asset Valuation / Strategy

- Analyze asset value from multiple perspectives in vertical, bilateral, and wholesale markets
- Strategic support for project development, acquisition, and operation, including market entry
- Proprietary in-house models and in-depth knowledge of public policy, regulation and markets

Energy+Environmental Economics Copyright Energy and Environmental Economics. Do not duplicate or distribute without written permission.

8

Community Solar Landscape



Price Outlook – Distributed and Clean Energy Programs



Price Outlook – Demand Response Programs



Price Outlook – Retail Rates

Note: these rates are designed with Community Solar developers in mind, as such they include only rate components that apply to bill credits under CS programs



Underlying Wholesale Dynamics: E3 Market Price Outlook – ISO-NE



Underlying Wholesale Dynamics: E3 Market Price Outlook – NYISO



Underlying Wholesale Dynamics: E3 Market Price Outlook – PJM

