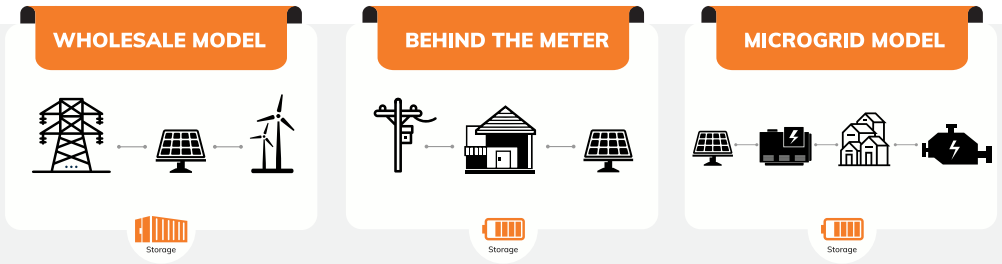


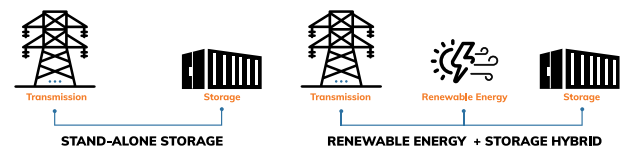
## COMPREHENSIVE MARKET EVALUATION TOOLS FOR STORAGE



is a suite of web based software models that offers dispatch modeling, revenue analysis, optimal value stacking and full financial valuation for energy storage projects in various configurations such as in front of the meter stand alone, hybrid with renewables, behind the meter and microgrid applications.

### WHOLESALE

CoMETS Wholesale Model offers the ability to model Stand-Alone and Hybrid Asset Configurations



An hourly optimization model for grid connected stand-alone storage or Renewable Energy integrated hybrid resources using multiple value streams available in wholesale energy markets. These models include consideration of Wholesale Capacity, Energy and Ancillary services.

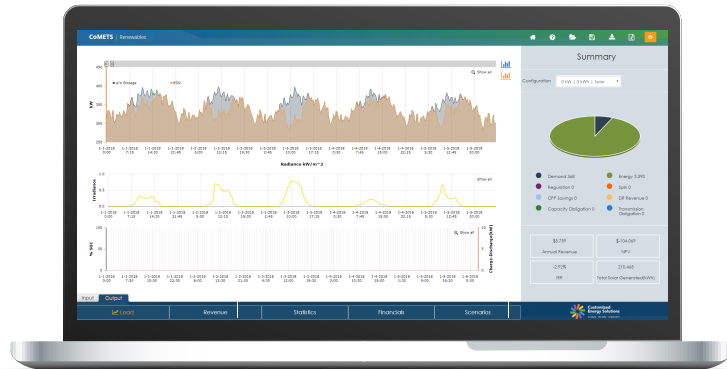
CoMETS Wholesale Model

### SALIENT FEATURES

- Mixed Integer Linear Programming (MILP) Optimization
- Powered by CES hourly market price forecasts
- Hourly Dispatch Simulations
- Renewables with Storage
- Multi-Config Analysis for Optimal Sizing
- Consideration to Power Purchase Agreements
- Financing and Tax Inputs
- Full Financial Models

## Behind the Meter Model

For simulation of optimal operation of behind the meter energy storage and distributed energy resources (DERs) to manage demand charges, time-of-use energy shifting, self-consumption of renewable energy, demand response as and wholesale energy market participation



## Microgrid Model

For dispatch simulation of microgrid layouts with a variety of generators such as solar, wind and diesel coupled with battery energy storage systems. The model provides insights into technical aspects such as grid interactivity, islanding operations and commercial aspects like levelized cost of energy



- Custom RE Data
- Manage Rateplans
- Operating Strategies
- Demand Response
- Wholesale Market Participation

- Global Geographies
- Multiple Configurations
- Storage Charging Strategies
- Dispatch Statistics
- Levelized Cost Analysis

## CoMETS Markets Coverage

CoMETS offers revenue analysis from participation in Energy, Capacity and Ancillary Services Markets within all organized North American Independent System Operator and Regional Transmission Organization wholesale markets and is supported by CES long term price forecasts.



## Architectural Components



## About Customized Energy Solutions:

Established in 1998, Customized Energy Solutions (CES) is a consulting and services company with over 20 years of diversified experience across North American energy markets. CES offers best-in-class hosted energy market operations platforms and a wide spectrum of consulting services. CES is committed to promoting economic development through the advancement of transparent, efficient, and non-discriminatory wholesale, retail electricity and natural gas markets. Our practical experience running daily operations of over 220 MW of advanced energy storage facilities and advising clients on policy matters provides our team with superior credentials that sets our consulting services apart from other providers.

## Contact us

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