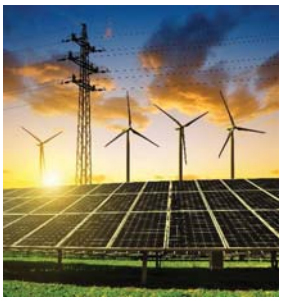

Playing Well With Others? Co-location of Battery Storage Projects With Wind and Solar

UT Law Renewable Energy Conference

January 31, 2017

McGUIREWOODS

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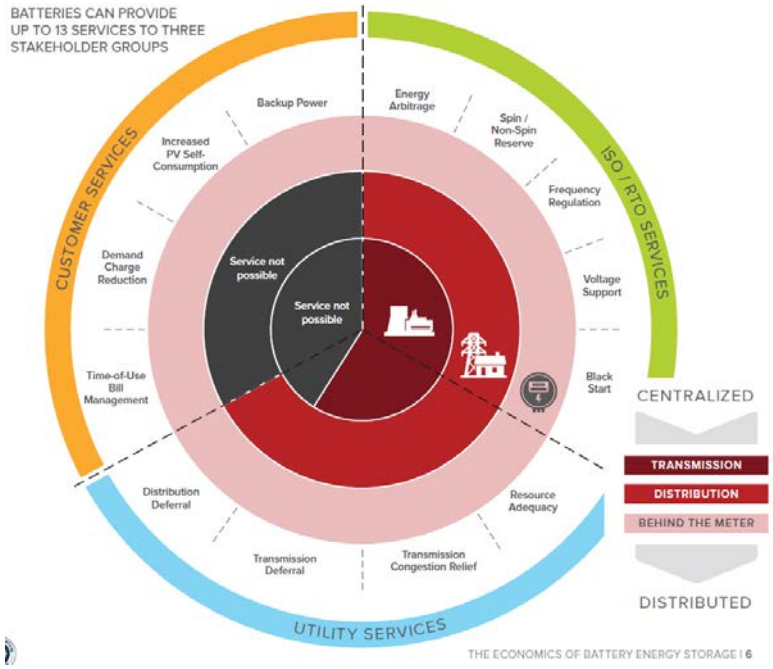
Panelist Introductions

- **Suzanne Escudier,** S&C Electric Company, Chicago, IL
- **Les Sherman,** Orrick, Herrington & Sutcliffe LLP, San Francisco, CA
- **Clark Korbisch,** Advanced Microgrid Solutions, Austin, TX
- **Becky H. Diffen,** McGuireWoods LLP, Austin, TX

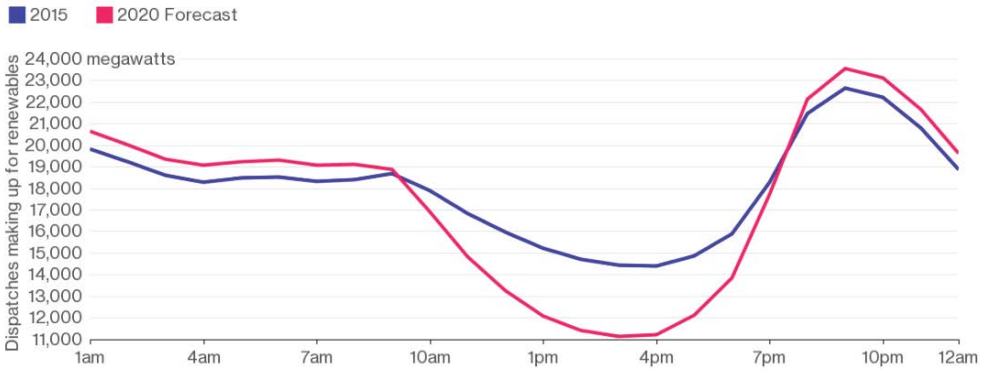
Services Provided by Batteries



Duck Curve

The California Duck Curve

The power California has to dispatch to make up for intermittent renewables surges in the late afternoon hours, creating a curve resembling the profile of a duck.



Source: California ISO

Note: Data is from March 31, 2015, and from forecasts for March 31, 2020.

Bloomberg

Minster 7MW/3MWH Energy Storage with 4.4MW Photovoltaic Plant Project

Case Study: Energy Storage with Solar

- Energy storage + PV = delivering true value to customers, and boosting returns.
- The village of Minster, OH had a desire to increase their renewables portfolio & "**go green**".
- Secret to financing uncontracted revenue – monetizing many ancillary benefits simultaneously & benefits to flow to multiple stakeholders
  - three primary revenue streams/cost avoidance.

Title search: Playing Well with Others? Co-location of Battery Storage Projects with Wind and Solar

Also available as part of the eCourse
2017 Renewable Energy Law eConference

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2017 Renewable Energy Law session
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