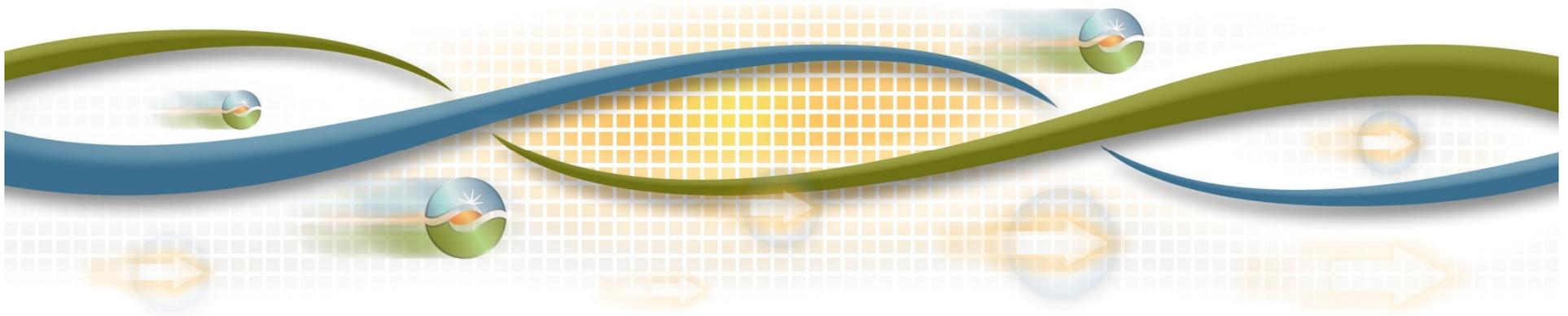




The California Experience

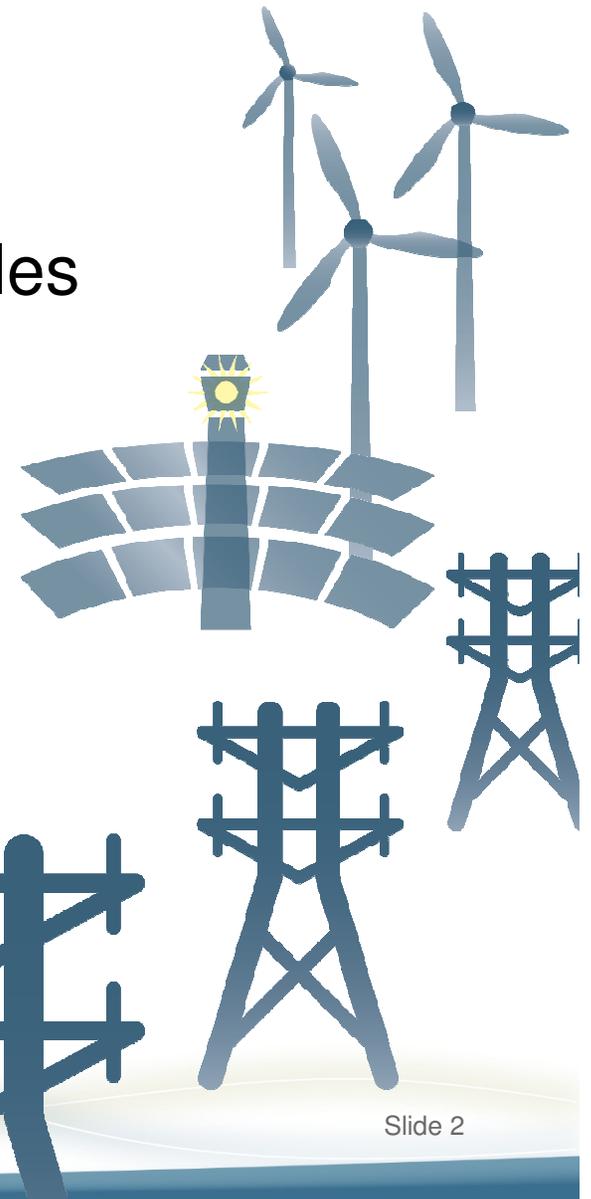
Eric Schmitt
VP, Operations

May 13, 2016

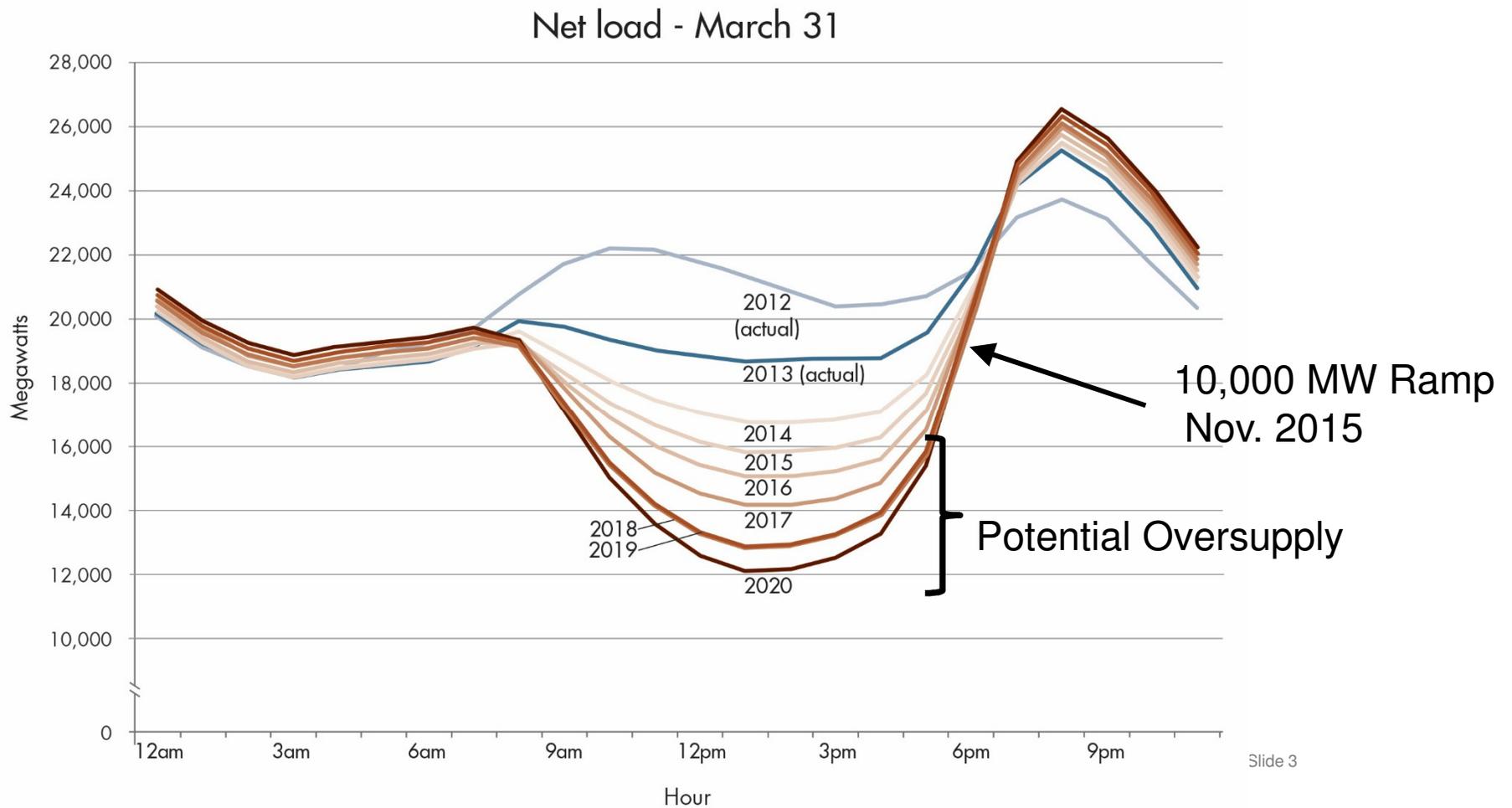


Game Changers: Components of New Grid Model

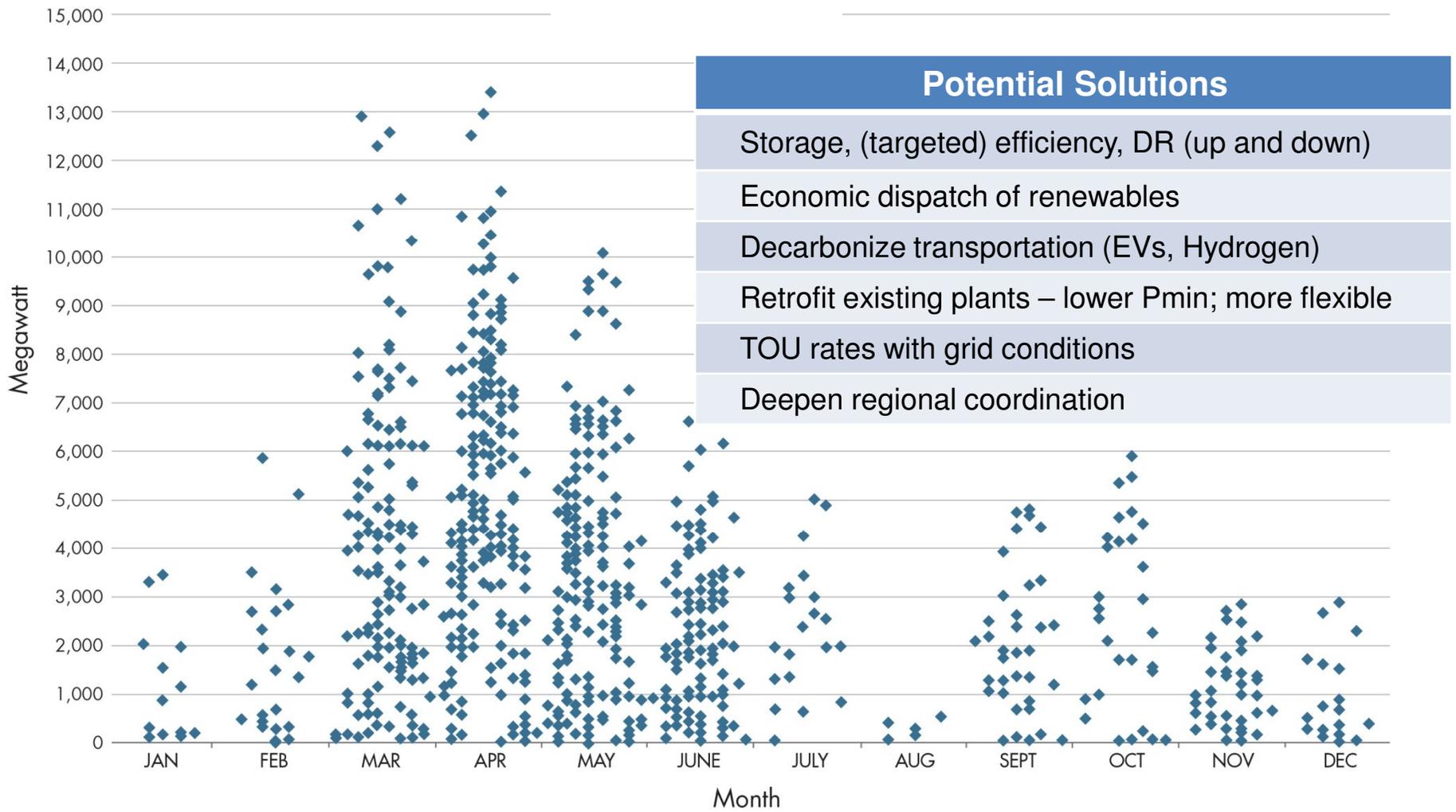
- Rapid growth in utility-grade renewables
- The rise of consumer-owned solar
- 33% renewables goal by 2020
- 50% by 2030



New Operational Challenges: *Oversupply and Ramping*



Oversupply in 2024 – Each dot represents an hour - assuming 40% renewables



The Rise of the Consumer & the New Energy Network



An entirely new grid construct

- Clean
- Reliable
- Affordable

