

Next Grid: Utility of the Future Study

Customer and Community Participation

May 15, 2018

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What Do Consumers Want?

- Low average bills
- High reliability
- Clean
- Make it easy
- Options



Transportation Electrification

- Increasingly likely
- Opportunities and challenges
- Need for proactive policies
- Getting it right crucial for LMI consumers
- Start with customer-focused principles



Key Principles

Optimize charging patterns to:

- Improve load shape
- Prevent peak demand increase
- Integrate variable energy resources
- Maximize grid value



Price Signals and Smart Rate Design Essential

- Adopt dynamic/time-variant rates
- Maximize enrollment in RTP
- TOU
- Wholesale and local grid signals
- EVs a perfect DER



Likely Utility Role I

- Coordinate
- Facilitate
- Optimize
- Maximize value for all consumers



Likely Utility Role II

- Too much attention on 'who owns what' question
- Not enough on guaranteeing system benefits
- The public interest



Markets Powerful, but Means not Ends

- Competition for sake of competition bad idea
- Residential choice failing
- Great potential: automation, peer-to-peer, community model
- Facilitate beneficial transactions



Concluding Thoughts

- Consider PBR
- Align utility incentives
- Harness market forces for public interest
- Low(est) average bills
- Path to 100% clean energy future

