Ownership of Data from AMI Systems

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Solar ABCs

Research Objective

This research will highlight the solar community's need for access to AMI data and delineate a data management model that would incorporate these needs into its structure.

Issues to Consider

- Ease of access to data
- Scalability of model
- Timeliness and precision of data distribution
- Cost of access to data
- Standardized, open approach to allow compatibility with other data systems
- Privacy issues regarding consumer/utility data

Questions to be Addressed

- What aspects of AMI data will be beneficial to the solar industry?
  - Focus on time-of-use billing, solar generation and load management
- What are potential barriers to AMI data access for the solar industry? How can these be addressed?
- What are the cost implications for data access and how can these be minimized?

Solar America Board for Codes and Standards

Approach to Research

Analyze several methods of AMI data management and adapt them to a comprehensive model that incorporates the needs of the solar industry and its customers. Examples of existing methods:

– Private Sector Meter Data Management Systems (such as Oracle, Ecologic Analytics and Siemens)
– Data Application Programming Interfaces (API)
– Utility-owned models

The Model Should…

- Incorporate real-time and historical data access to all sectors

- Be free and accessible to energy consumers

- Include a customizable feature that allows users to choose the needed type of data

- Support individual privacy rights

- Allow for future growth and change