



Advocacy Update

Microgrid Workshop

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C. Baird Brown
eco(n)law

Why Microgrids?

- Resilience
 - All resilience is local
 - Compare to FERC/DOE
- Internal efficiencies and arbitrage
- Reduced carbon footprint
- Competitive resource providing services
 - To regional power markets
 - To the local distribution utility

MRC Agenda

- Promote Microgrids
 - Control area that serves included load
 - Ability to Island
 - Ability to provide services to the grid
- Technology Neutral
- Make a level playing field
 - Eliminate barriers
- Grid reform

What do we hope for?

- Update 100 year old regulatory framework
 - Allow us to sell and distribute electricity within the microgrid
 - Allow us to serve multiple customers
 - Allow us to aggregate multiple resources under common control
- Open Markets
 - Barriers in existing (mostly RTO) markets
 - Create markets/tariffs at distribution level
 - Provide grid support services
- Allow us to partner with each other
 - Shift or help manage risk
 - Take off balance sheet
 - Business model is our business

Current Activities

- Focus shifting from FERC to state microgrid tariffs
- Resilience
 - All resilience is local – survivability of communities
 - Let local and state agencies determine critical facilities
 - Support microgrids that support critical facilities
 - Need for flexible generation with secure fuel
- Carbon Reduction
 - Microgrids can integrate renewables, demand response
 - Combined heat and power under attack
 - Long-term islanding currently needs fossil fuels

Current Activities

- Interconnection
 - Recognize the value of microgrid controls
 - One time interconnection process
 - Interactive communication to permit service delivery
- Microgrid tariff support
 - Support for all microgrids
 - Support for critical facilities
 - Basic distribution support services
- Consumer Protection – disclosure, ratemaking

Current Activities

- Utility participation and ownership in microgrids
 - Utility – private partnerships
 - Distribution microgrids
 - Not generation ownership where not permitted
- The grid of the future
 - Incentive/Performance-based ratemaking
 - Microgrid clusters and DERMS
 - Cellular grid
 - Conducting the DER Concert

Questions?

C. Baird Brown

eco(n)law LLC

230 S. Broad Street, 17th Floor

Philadelphia, PA 19102

p. 215-586-6615

baird@eco-n-law.net

“The economy is a subset of the ecology.”