Advocacy Update

Microgrid Workshop
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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?

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“The economy is a subset of the ecology.”