

# **HB 773 / SB 715**

# **Energy Storage Study**

Barriers Discussion

October 26, 2017

# Barriers to Storage in MD

Based on PPRP discussions with stakeholders across the energy industry

- Costs
  - High capital costs / expensive financing
- Value
  - Inability to capture multiple revenue streams
- Education
  - Knowledge gaps about technologies and uses
  - Lack of first-hand experience with storage
- Rate Design
  - Low electricity/demand costs
- Evaluation Methods
  - Models omit storage / use outdated stats / only quantify some benefits
- Wind/Solar
  - Modest capacity to pair with storage
- Ownership
  - Lack of clarity regarding utility ownership/cost recovery

# Stakeholder Priorities

Adapted from a 300-Stakeholder Survey by Massachusetts

POLICY ISSUES | RESOURCE PLANNING REFORM | VALUE PROPOSITION | DEPLOYMENT

- Allow Energy Storage to Capture Multiple Revenue Streams
- Allow Distributed Generators to Support System Capacity Needs
- Improve Financing and Cost
- Incentivize Non-Wires Alternatives
- Pilot Programs to Demonstrate New Business Models
- Streamline Interconnection Review Process
- Identify, Value, and Increase Data Availability on Locational Benefits and Constraints
- Address Value Proposition for Renewable Integration
- Coordinate Net Energy Metering (NEM) and Renewable Portfolio Standards (RPS)
- Coordinate Energy Storage Initiatives Between PJM States