

# **HB 773 / SB 715**

## **Energy Storage Study**

PPRAC Working Group Kick-Off

July 18, 2017

# Acronyms



- **AWEA:** American Wind Energy Association
- **BGE:** Baltimore Gas and Electric Company
- **EI:** Edison Electric Institute
- **EPRI:** Electric Power Research Institute
- **ESA:** Energy Storage Association
- **FERC:** Federal Energy Regulatory Commission
- **GE:** General Electric
- **IREC:** Interstate Renewable Energy Council
- **KCPA:** Kent Conservation and Preservation Alliance
- **MCEC:** Maryland Clean Energy Center

# Acronyms (Cont.)



- **MEA:** Maryland Energy Administration
- **NRECA:** National Rural Electric Cooperative Association
- **OPC:** Office of People’s Counsel
- **PEPCO:** Potomac Electric Power Company
- **PJM:** Pennsylvania New Jersey Maryland Interconnection, LLC
- **PPRP:** Power Plant Research Program
- **PSC:** Public Service Commission
- **RMI:** Regional Manufacturing Institute
- **SEIA:** Solar Energy Industries Association
- **UMERC:** University of Maryland Energy Research Center

# Agenda



- Welcome and Overview
- Member Introductions
- Strategy
- Draft Outline
- Next Steps

# Overview



## **Senate Bill (SB) 715 and House Bill (HB) 773**

### Clean Energy - Energy Storage Technology Study

- Requiring the Maryland Power Plant Research Program (PPRP) to conduct a study to determine what regulatory reforms and market incentives are necessary or beneficial to increase the use of energy storage devices in Maryland

# PPRAC's Role



- PPRP shall conduct a study to determine what regulatory reforms and market incentives are necessary or beneficial to increase the use of energy storage devices in the State
- PPRAC Working Group member commitment:
  - Provide input on study strategy
  - Provide feedback during periodic webinar-based progress reports
  - Review draft text
  - Additional input as desired by members

# Project Milestones



- **Major Milestones:**

- January 31, 2018: Preliminary Findings and Status
- July 31, 2018: Draft Report
- December 1, 2018: Final Report to General Assembly

- **Internal Milestones:**

- April 15, 2018: Initial Draft Report
- August 2018: Public meetings (timing flexible)
- October 31, 2018: Final Report for Executive Review
- TBD: Memoranda and presentations, as requested



# Member Introductions



## HB 773

PPRP shall consult with:

- The Public Service Commission (PSC)
- The Office of People’s Counsel (OPC)
- The Maryland Energy Administration (MEA)
- Environmental Organizations
- Electric Companies
- Third-party providers of energy storage devices
- Associations of third-party providers
- The University of Maryland Energy Research Center (UMERC)
- The Maryland Clean Energy Center (MCEC)
- Developers and owners of electricity generation
- Other interested parties





# Member Introductions (Cont.)



## Members:

- Pete Dunbar, Chair
- Misty Allen, BGE
- David Comis, MEA
- Sean Emerson, Office of Del. Korman
- Bill Fields, OPC
- Nitzan Goldberg, ESA
- Andrew Johnston, PSC
- Janet Christian-Lewis, KCPA
- Ivan Lanier, PEPCO
- Anne Lindner, Exelon
- Kathy Magruder, MCEC
- Kent Mottice, MEA
- Katie Nash, Greenwill
- Eveyln Robinson, PJM
- Eric Wachsman, UMERC

# Project Strategy

- Literature review reports by EEI, EPRI, FERC, IREC, PJM, RMI, other states, etc.)
- PPRAC Working Group meetings (monthly, as needed)
- PPRAC meetings (every spring and fall)
- Public meeting(s) to preview major findings and invite feedback on Draft Report
- Site visit(s) to view and discuss features of one or more working energy storage systems in the region: **AES Warrior Run**



# Project Strategy



- **1 on 1 meetings/calls:**

- AWEA
- EPRI
- Exelon
- IREC
- NRECA
- NRG Energy
- OPC
- SEIA
- **Delegate Korman**
- **EEI**
- **ESA**
- **MCEC**
- **MEA**
- **PJM**
- **PSC**
- **UMERC**
- Storage Developers:
  - Alevo
  - Edison Energy
  - GE Energy Storage
  - Flonium
  - Tesla
  - Sunverge
  - WindSoHy

- **News monitoring**

- Utility Dive
- Energy Storage News
- GreenTech Media

# Policy Recommendations

- HB 773 requires policy recommendations as part of the Energy Storage study
- Throughout the research process, PPRP will document barriers to energy storage identified by stakeholders and recommendations for addressing these barriers through regulatory reforms or market incentives
- Well-reasoned, divergent perspectives on key policy questions will be presented and discussed in the Final Report, as will the rationale behind the Report's final recommendations on such matters



## ENERGY STORAGE

# Study Outline



- PPRP's Draft Outline is a working document, intended to evolve as we continue our in-house research, receive feedback from PPRAC, and meet with a wide range of experts and stakeholders
- Our objectives today:
  - Identify key factors that should be considered within section of the report
  - Identify missing topics and gather other initial feedback on the overall structure

Helen Stewart

410-260-8667

[Helen.Stewart@maryland.gov](mailto:Helen.Stewart@maryland.gov)