

# DPS Energy Storage Study

vermont electric power company



# Background

- Act 53 of 2017 VT General Assembly included requirement for storage study by DPS
- Transmission and distribution level
- Due November 15, 2017
- Report to:
  - House Committee on Energy and Technology
  - Senate Committee on Finance
  - Senate Committee on Natural Resources and Energy

# DPS energy storage report proposed outline

1. Introduction
2. State, regional, and national actions or initiatives affecting deployment of energy storage
  - a. Storage description and definition
  - b. Storage technologies
  - c. Storage applications
  - d. National storage landscape
  - e. Regional storage landscape
  - f. Vermont storage landscape
3. Federal and state jurisdictional issues regarding deployment of energy storage
  - a. Wholesale/retail
  - b. FERC orders
  - c. ISO-NE storage activities
4. Benefits and costs of storage systems in Vermont
  - a. Uses cases
  - b. Benefits
  - c. Costs
5. Ownership options and delivery pathways for promoting storage
  - a. Utility ownership
  - b. Third-party providers and aggregators
  - c. Electric vehicles
6. Potential programs and policies to encourage sound storage capabilities in Vermont
  - a. Utility planning exercises
  - b. Rate design
  - c. Energy assurance efforts
  - d. Siting criteria/threshold for 248 review
  - e. Interconnection standards
  - f. EEU activities
  - g. RPS multipliers
  - h. Procurement targets
  - i. Modification of existing (net metering, Standard Offer) or development of new incentive
  - j. Demonstration projects
  - k. R&D
7. Recommendations

# DPS questions to stakeholders

1. What is missing or should otherwise be modified in the proposed report outline?
2. What are the most compelling reasons for deploying energy storage in Vermont?
3. What are the biggest barriers to deploying energy storage in Vermont?
4. How should the costs and benefits of storage be evaluated?
5. How can Vermont policies, programs, and regulations best be used or modified to better accommodate or encourage storage?
6. Other information relevant the report emphasizing Vermont context