Mobile Battery Use Case Evaluation

vermont electric power company



VELCO Operating
Committee
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Background – Jay Bellows



- VT-based, partnered w/ US-based KORE Power
- Partner on Pinnacle Ridge Project
- Range of mobile batteries (Nomads)
 - 2.0 MWh
 - 1.2 MWh
 - 600 kWh
- Connected to grid via docking stations





Current Status

- Evaluating opportunity as part of company's Value Delivery Team work, i.e.:
 - Performing a review of VELCO use cases
 - Estimating costs
 - Material (mobile battery and docking station)
 - Site enhancement costs
 - Parking pad, communications, security, permitting, etc.
 - O&M costs
- Seeking to confirm DU interest, develop and coordinate DU use cases



Use Case Items

- How is your company utilizing storage today?
- Which of the following use cases make sense to you?
 - Disaster Recovery
 - Resiliency
 - Peak shaving
 - Energy arbitrage
 - Capacity/Frequency
 - Address an unique customer need
 - Other ways?
- Does your organization have a need for a mobile battery?
- Does the timing of this new offering align with an effort already underway?



Next Steps

- Complete costs analysis
- Evaluate business options
 - VT Transco
 - "VETCO" Model
- Perform use case review
 - Transmission Reliability
 - Distribution System Reliability
 - · Other uses?
- Proposed action: form an OC sub-committee to perform use case review, advise on cost model and business options and report to OC in April.

