

# DEL<sup>+</sup>OREAN P<sup>-</sup>OWER

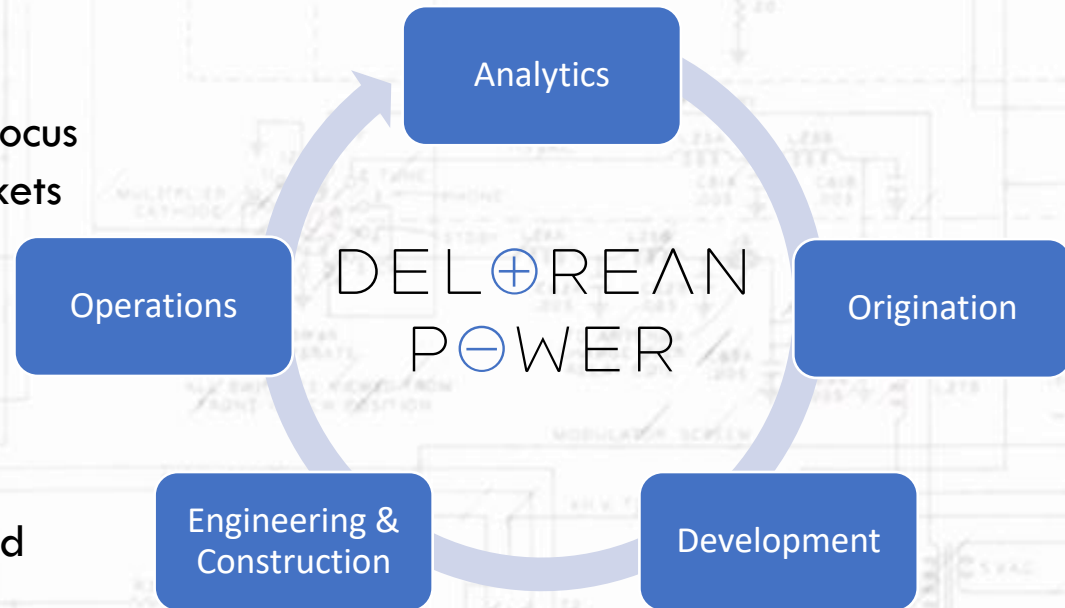
Utility-Scale Energy Storage Development

Renewable Energy Vermont | October 19, 2023



# Delorean Power | Company Overview

- ⊕ Delorean Power is a utility-scale energy storage development company that is a long-term owner/operator of battery storage projects
- ⊕ Delorean is developing projects across the US with a particular focus on PJM, MISO and ISO-NE markets
- ⊕ Over 2,500MW of projects in various stages of development, ranging in size up to 250MW
- ⊕ We are active across the public power, investor-owned utility, and commercial/industrial spaces
- ⊕ We take a holistic approach to storage development from robust analytics and early site efforts to best in class operations and asset management



# Energy Storage: flexible grid benefits

Given the right market and policy signals, storage can perform a spectrum of overlapping grid and customer services

Generation Services	Transmission Services	Distribution Services	Customer Services
Ramping	Frequency Regulation	Power Quality	Power Quality
Black Start	Voltage Support	Voltage Support	Demand Response
Renewable Capacity Firming	Load Following	Renewable Integration	Demand Charge Management
Energy Arbitrage	Spinning Reserve	Peak Shaving	Solar Self-Consumption
Clean Peak Dispatch	Congestion Relief	Infrastructure Avoidance/Deferral	Uninterruptible Power Supply/Back-Up Power
Resource Adequacy/Reserve Capacity	Non-Transmission Alternative	Congestion Relief	Islanding/Microgrid

Short Duration

Medium Duration

Long Duration

# State Storage Targets

State storage targets and mandates are a key tool to foster a local storage market and a companion to RPS and other state policies

*Ten states have state-wide energy storage targets in various forms with more states considering targets in state legislatures throughout the country*

**OR:**  
10 MWh x 2020

**NV:**  
1 GW x 2030

**CA:**  
1.325 GW x 2020

**ME:**  
400 MW x 2030

**MA:**  
1 GWh by 2025

**CT:**  
1 GW x 2030

**NY:**  
6 GW x 2030

**NJ:**  
2 GW x 2030

**VA:**  
3.1 GW x 2035

**MD:**  
3 GW x 2033

*Shading reflects targets as a function of state net summer capacity.*

# State Incentives & Procurement Programs

New England States are leaning in on utility-scale storage

## Maine



- 400MW by 2030 storage target
- 200MW procurement program
- Index storage credit
- Long-duration storage report

## Connecticut



- 1GW by 2030 storage target
- 400MW+ procurement program
- Peak-reduction incentive program

## Massachusetts



- 1GW by 2025 storage target (considering new target of at least 2GW by 2030)
- Clean Peak Energy Standard
- Procurement program

# Vermont Utility-Scale Storage

Vermont can build on its previous efforts to prioritize storage with specific actions that compliment state policy and climate goals

- ⊕ **Storage target** based on peak load or other metric as determined by various working groups
- ⊕ **Procurement program** to achieve policy goals (i.e. resilience; renewable integration, clean peaking etc.)
- ⊕ **Incentives** based on performance to encourage storage in coordination with policy goals
- ⊕ **Innovation** 24/7 renewables; load shifting; resilience; non-wires alternatives





**Thank You**



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