

# BREAKTHROUGH LOW-COST, MULTI-DAY ENERGY STORAGE

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Raab Restructuring Roundtable

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Energy Storage  
For A Better World

CONFIDENTIAL



# The Challenge

*New England needs clean,  
firm sources of energy*



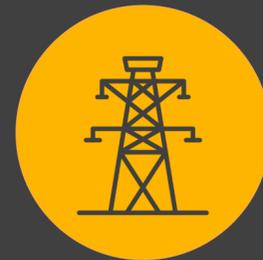
Extreme weather events have become more frequent and disruptive



Power supply is becoming tighter



Intermittent resources need firming up



Transmission congestion and interconnection queues are increasing

# Overview of Energy Storage

## Electrochemical

## Thermal

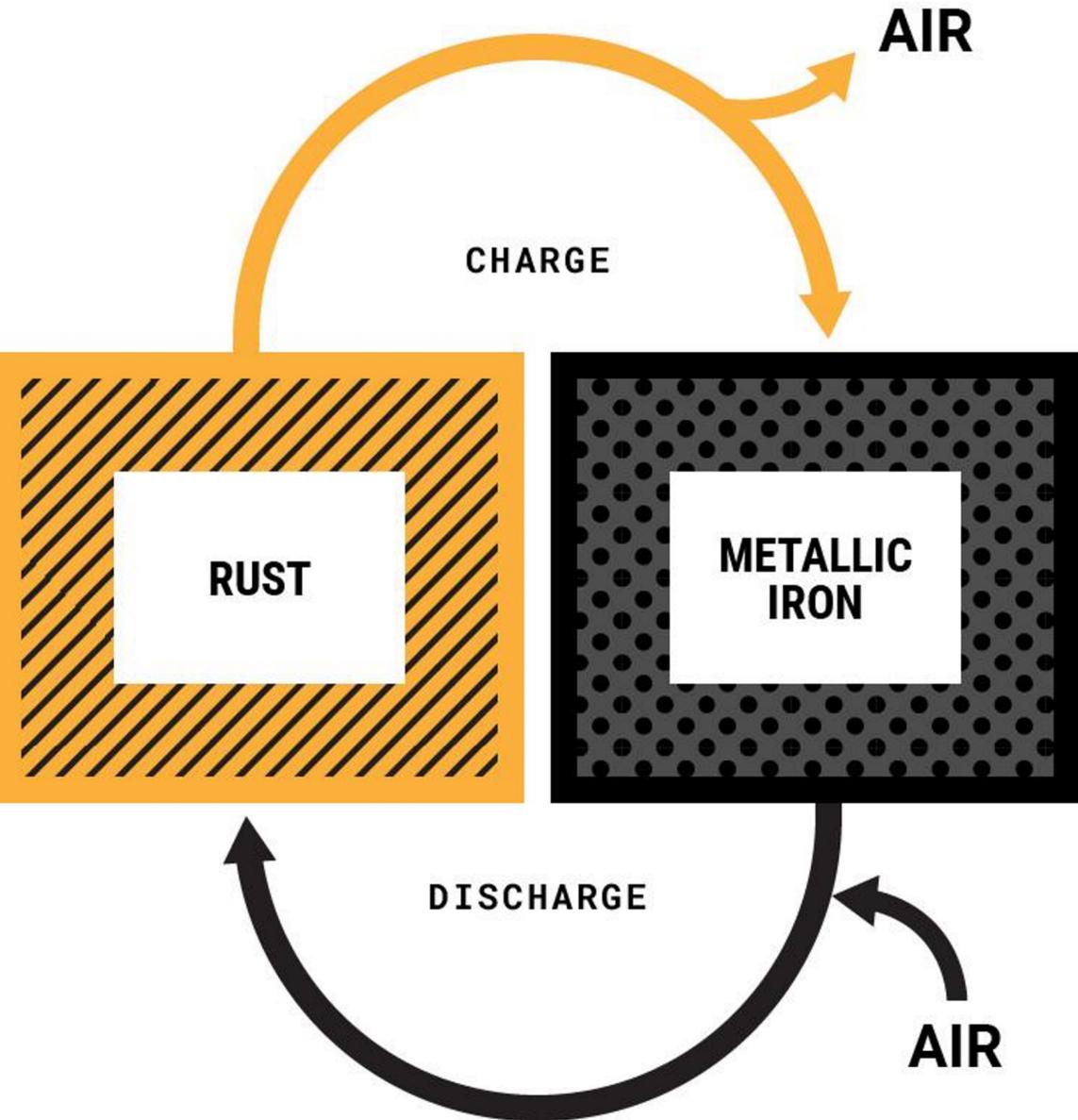
## Mechanical

2030 Installed Cost - \$/kWh



# Rechargeable iron-air is the best technology for multi-day storage

Form's 100-Hour  
Reversible Rust Battery



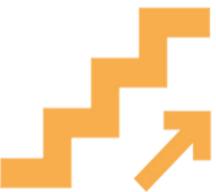
## COST

Lowest cost rechargeable battery chemistry. Less than 1/10th the cost of lithium-ion batteries.



## SAFETY

Non-flammable aqueous electrolyte. No risk of thermal runaway.



## SCALE

Uses materials abundantly available at the global scale needed for a zero carbon economy.

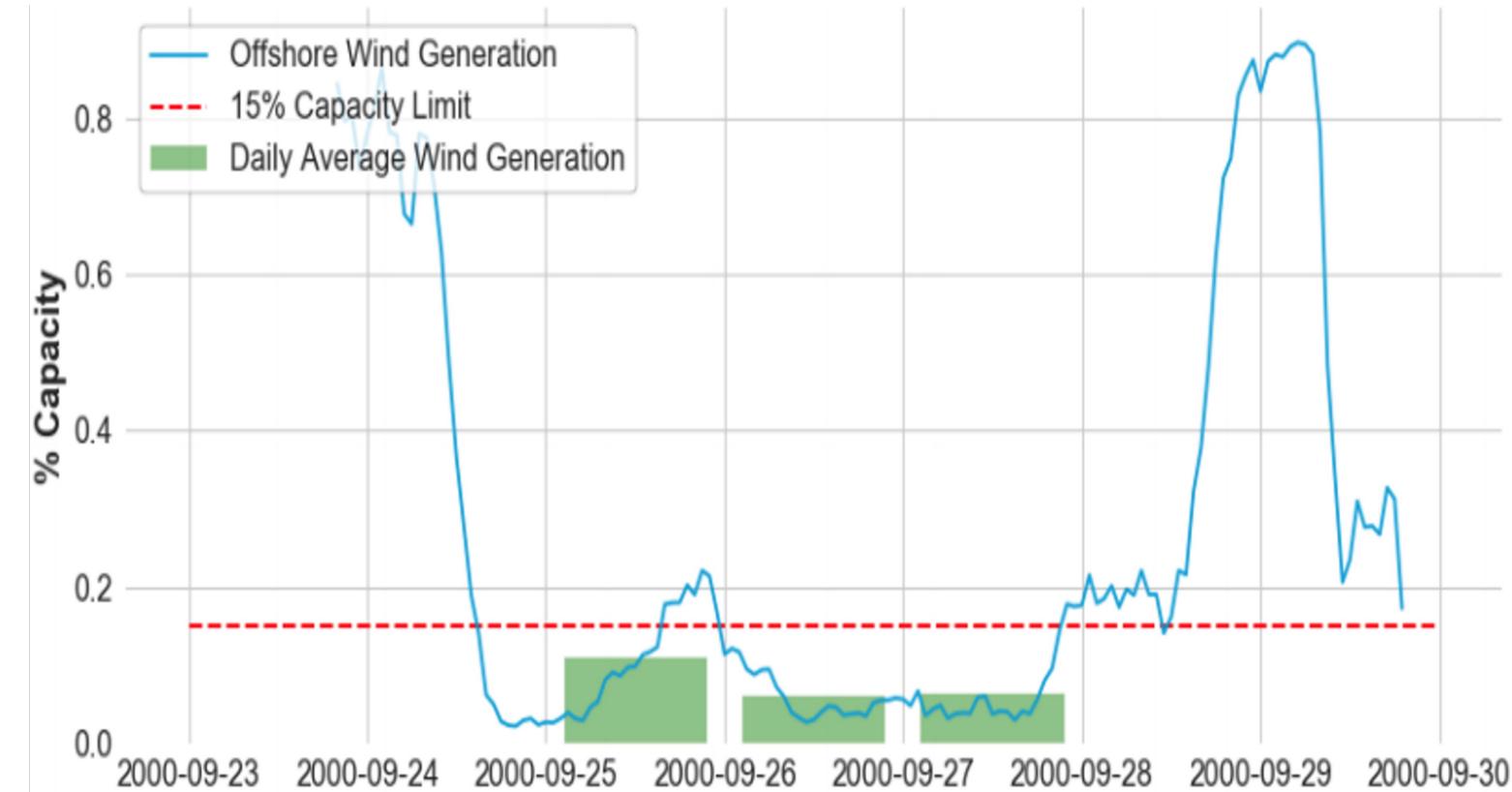


## DURABILITY

Iron electrode durability proven through decades of life and 1000's of cycles.

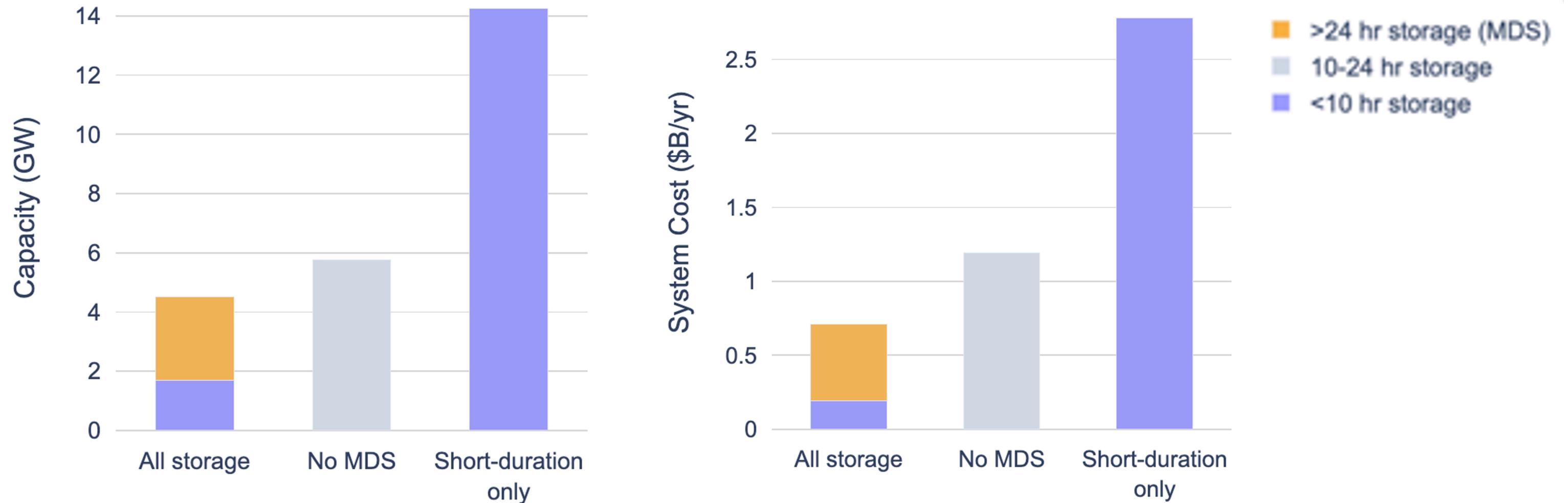
# Multi-Day Storage Provides Clean, Firm Energy

## New England Multi-day offshore wind lull, 2000



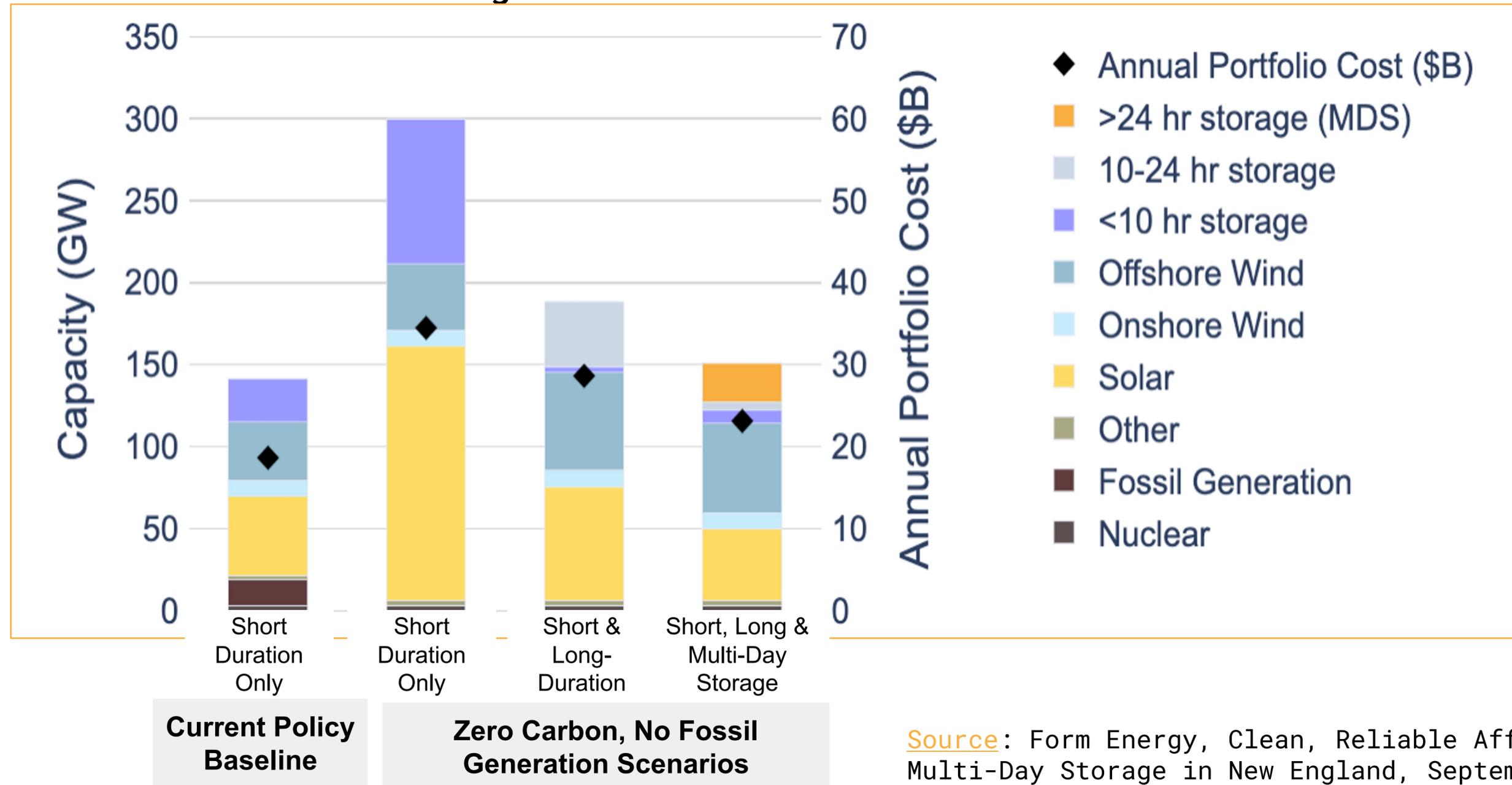
# A Diverse Energy Storage Portfolio is a 2030 Winter Reliability Solution

ISO-NE least-cost portfolios of new storage assets for preventing winter outages, 2030



# Multi-Day Storage Unlocks a Zero Carbon Future

Least Cost 2050 New England Resource Portfolios



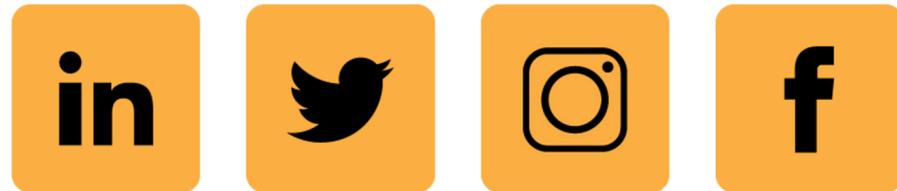
Source: Form Energy, Clean, Reliable Affordable: The Value of Multi-Day Storage in New England, September 2023

# Thank you!

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