



Office of
ELECTRICITY

Opportunities and challenges for cooperation in deploying energy storage

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Office of Electricity's Portfolio

Grid Systems & Components

- + Advanced, Modular, Flexible Transformers
- + Cables and Conductors
- + Solid State Power Substations
- + High-Voltage Direct Current (HVDC)/Medium-Voltage Direct Current (MVDC) Systems
- + Power Floor Controllers (PFC)
- + Solid-State Components
- + Advanced Materials
- + Robotics/Autonomous Vehicles
- + Microgrids
- + Applied Grid Transformation Solutions (AGTS)

Grid Controls & Communications

- + Advanced Grid Modeling
- + Sensors and Data Analytics
- + Transmission Reliability – Planning/Operations
- + Observability/Controllability
- + Advanced Distribution Management System (ADMS)
- + Transactive Energy
- + Buildings/Electric Vehicle (EV) Grid Integration
- + Transmission-Distribution (T-D) integration
- + North American Energy Resilience Model (NAERM)
- + Grid Architecture
- + SecureNet

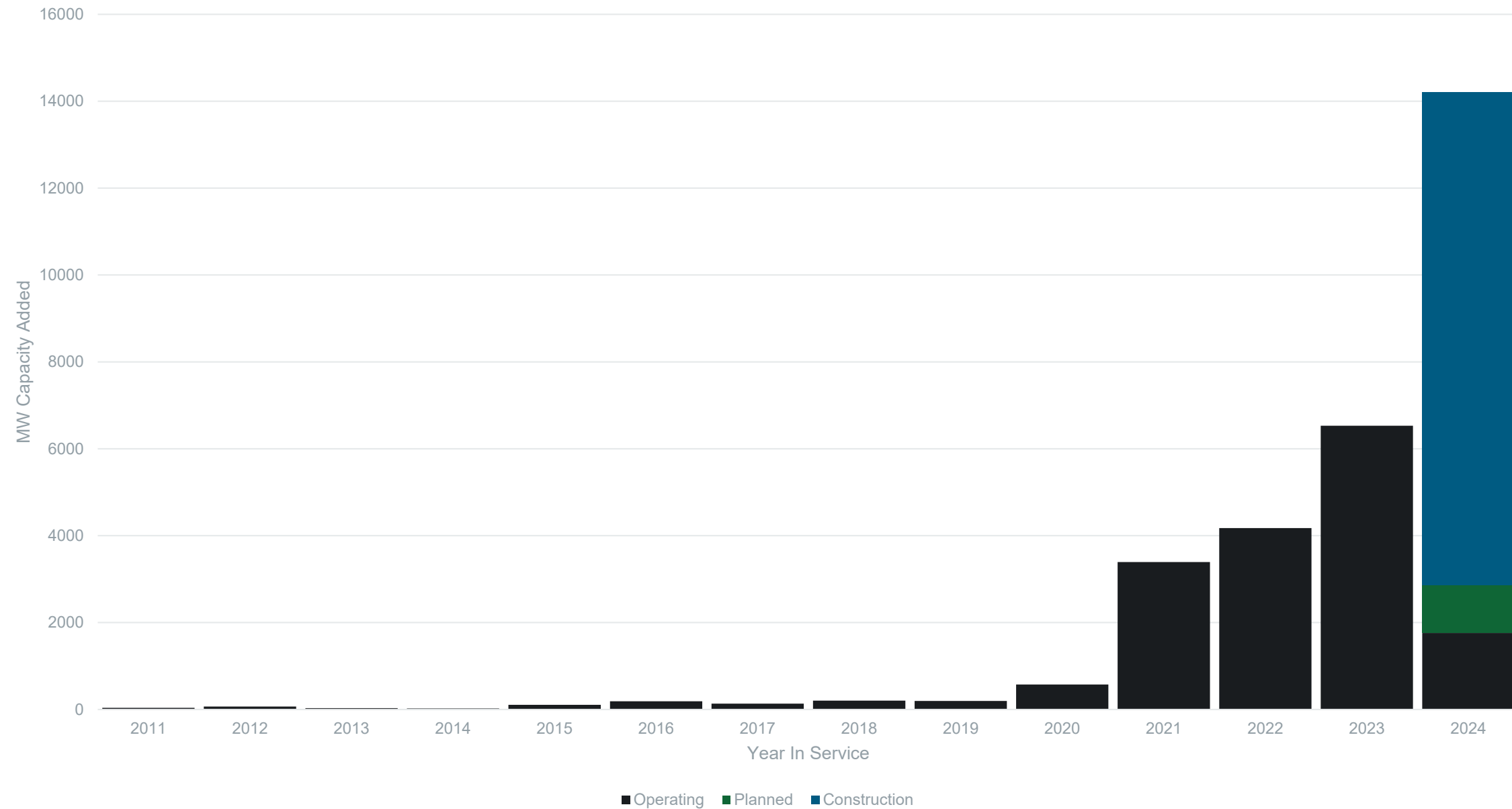
Energy Storage

- + Energy Storage Technology and Materials
- + Energy Storage Safety and Reliability
- + Energy Storage Policy, Valuation, and Environmental Justice

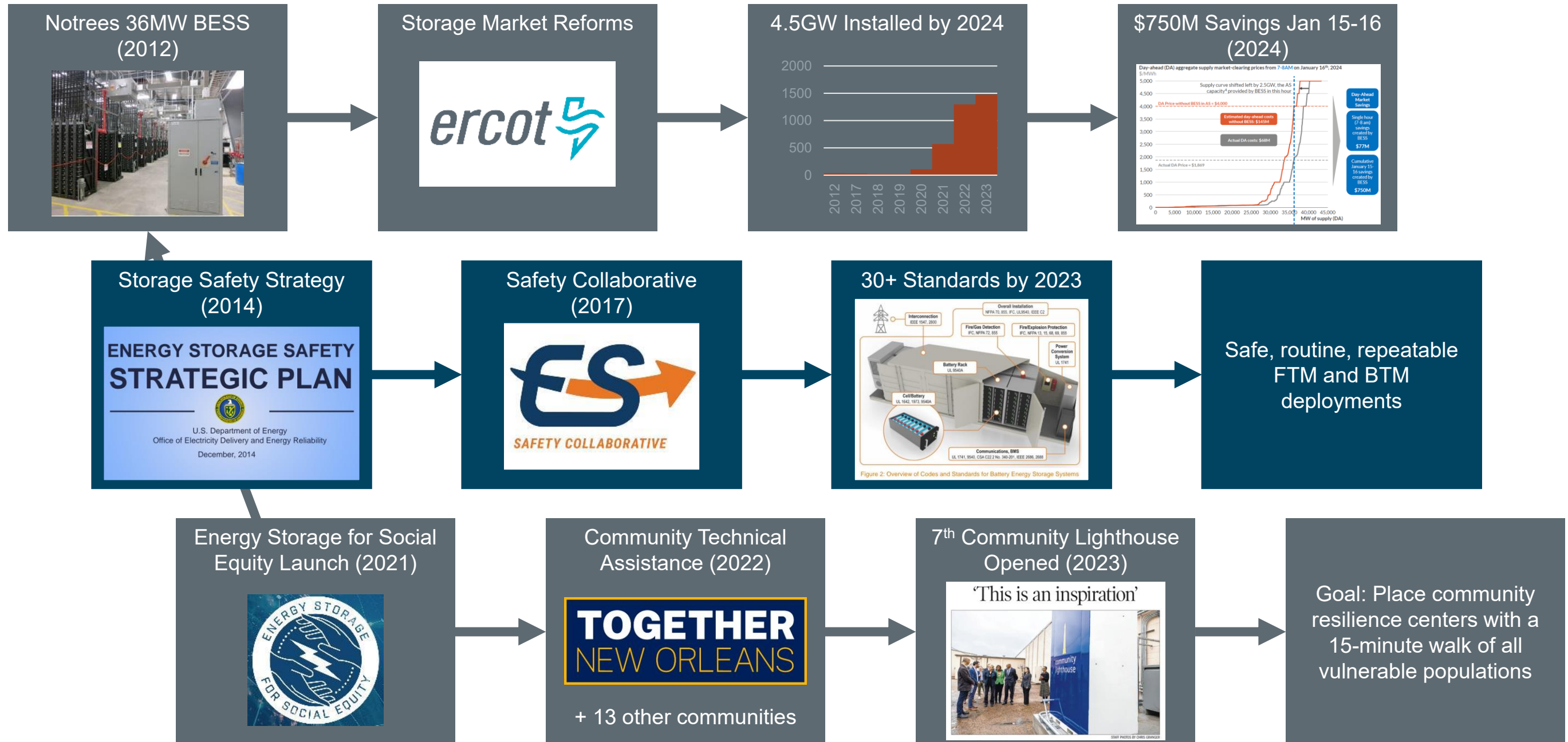
Storage Mission

Propel U.S. leadership in the development, deployment, and utilization of energy storage technologies

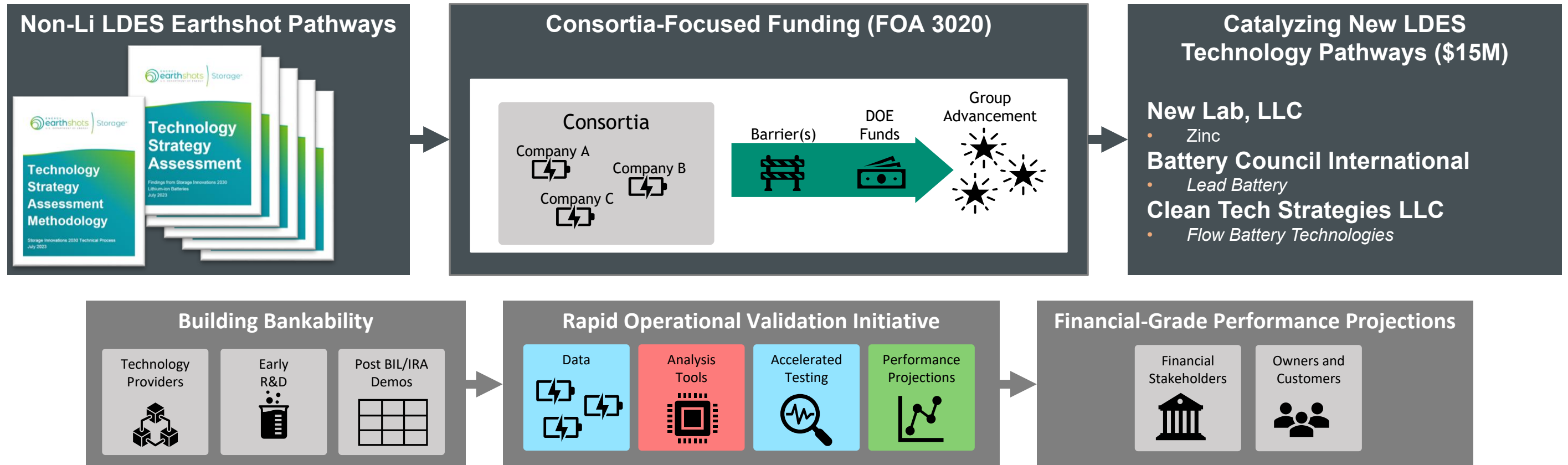
U.S. Energy Storage Capacity Expansion By Year



Today's Deployments Build on OE Foundational Investments



Guiding the Path of Tomorrow's Storage Technologies



Grid Storage Launchpad: Opens Next Week

New capabilities to accelerate the development and validation of new LDES technologies and beyond