



Item 5: EOS Energy Storage, LLC

December 11, 2024 Business Meeting

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Energy Research and Development Division, Energy Storage & Integration



Background - Naval Base San Diego

Energy Resiliency Conservation Investment Program (ERCIP) Project

- Microgrid with 300 kW Solar PV
- Supports critical facilities
 - Port of Operations
 - Emergency Operations Center



Naval Base San Diego
Source: U.S. Navy



Project Overview

Long Duration Energy Storage (LDES) System

- \$8,028,175 CEC funds
 - 1 MW / 8 MWh
 - Eos Batteries: Zinc-hybrid
- Power for critical facilities and on-site renewables
 - Blueprint for future naval deployments
 - Expected commissioning **November 2027**



Source: Eos Energy Storage



Project Benefits



Source: San Diego Military Advisory Council

Clean energy generation

- Replace 30 kW diesel generator
- 1 MW system replaces up to 10 diesel generators

Address safety considerations

- EOS batteries not subject to thermal runaway
- Satisfy UFC code requirement

Support on-site renewables

- Assist transition from utility power



Staff Recommendation

- Approve agreement with EOS Energy Storage, LLC
- Adopt staff's determination that action is exempt from CEQA