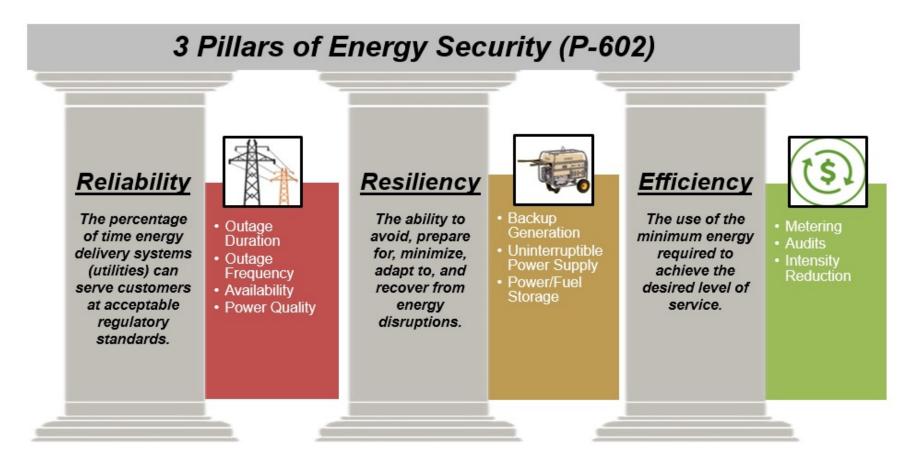


DON Energy Resiliency Solutions in California

Andrew L. Baughman 17 JUNE 2021 **Navy 3-Pillars of Energy Security**



DON's energy strategy is based on the Energy Security Framework and the three pillars to make installations more reliable, resilient, and efficient.



Annual Energy and Water Savings





Water

93,000,000 gallons

<u>Energy</u> 875,000 MBTUs



Reducing Carbon Footprint & Saving Money

DON's CA Project Portfolio



DON is executing multiple projects at Marine Corps and Navy installations **throughout California** to enhance our energy resilience and support the CA electric grid.

NAS Lemoore (150+ Acres)

- 40+ MW Solar PV, 20MW/40 MWh BESS
- 5 MW backup diesel generators, microgrid controls

NWS Seal Beach (59 Acres)

- 10 MW Solar PV, 10 MW BESS
- 1.95 MW backup diesel generators, microgrid controls

NWSSB Det. Norco (8.3 Acres)

- 2.5 MW Solar PV, 2.5 MW BESS
- 2.2 MW backup diesel generators, microgrid controls

MCRD San Diego (1.53 Acres)

- 25 MW BESS
- 2.9MW backup diesel generators, microgrid controls

MCB Camp Pendleton and MCAS Miramar (TBD)



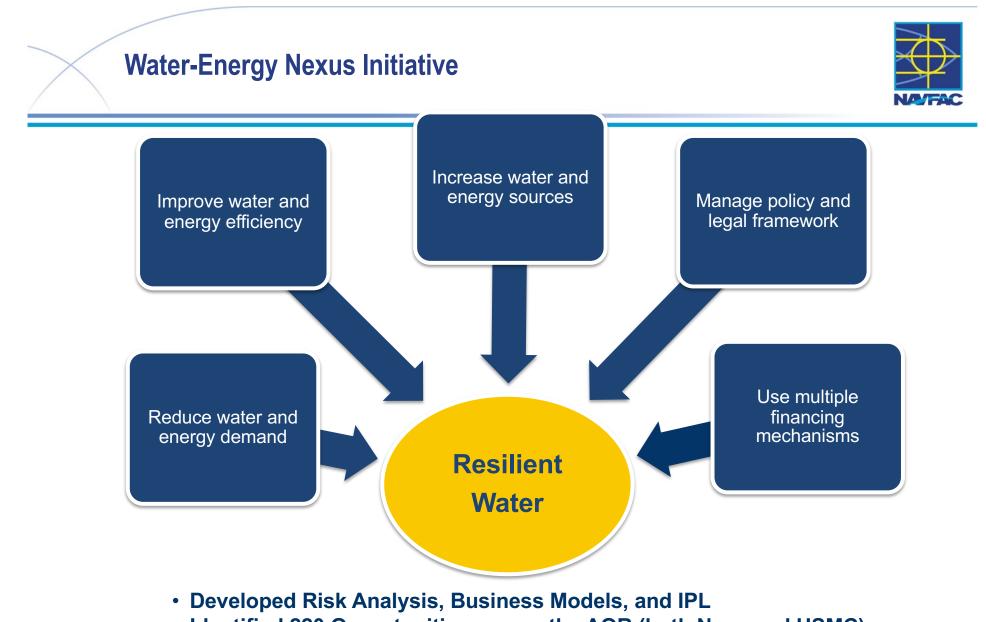
DON recognizes its role as a CA grid stakeholder, and sees the opportunity to develop projects that support market-driven grid needs and achieve national defense resiliency objectives.

Partnerships are Key



- DON-California Energy Partnership
 - -California Energy Commission (CEC)
 - -California Public Utilities Commission (CPUC)
 - -California Independent System Operator
 - -Other state and local organizations
- National Labs (NREL, PNNL, IDNL)
- Industry
- Utility Partners (SDG&E, SCE, and PG&E)

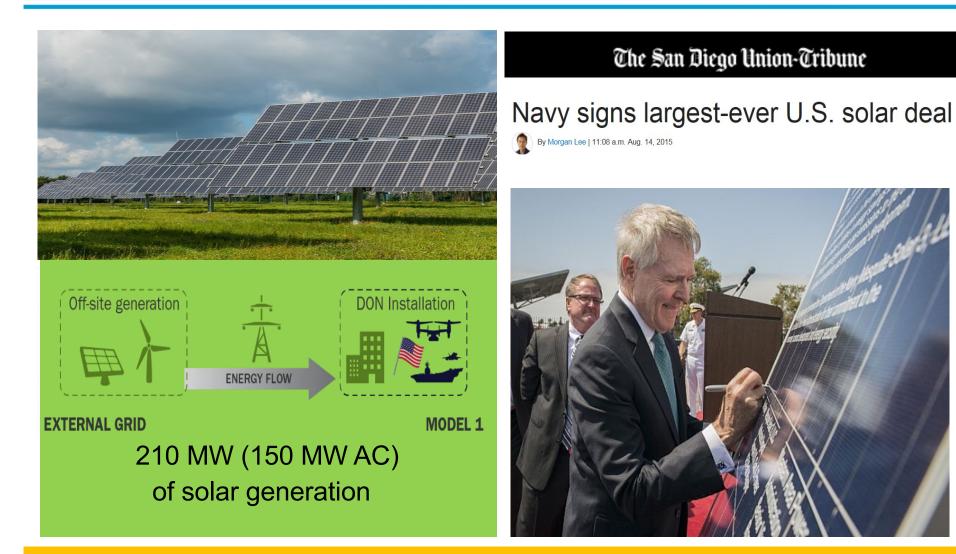




- Identified 220 Opportunities across the AOR (both Navy and USMC)
- Next step is to revalidate IPL (pending program is funded)

Solar PV Power Purchase Agreement





Provides 1/3 of all Power for the DON in CA

