

# PORT OF OAKLAND

## *2014 Adopted Energy Storage Targets & Policies*

*The Port of Oakland did not adopt Energy Storage targets. Since 2014, the Port has been involved in several efforts to evaluate or collaborate with others on energy storage evaluations, including:*

- The Port of Oakland met with 4 different energy storage developers to discuss energy storage applications for the Port of Oakland. Technologies discussed and evaluated were flow batteries and lithium ion batteries.*
- The Port completed an Energy Innovation Study in January 2016, including an evaluation of potential energy storage applications.*
- The Port recently completed a Maritime Electric Strategic Assessment to support future electric needs in the Maritime area. The Strategic Assessment lays the foundation for potential future energy storage analysis.*
- The Port is part of the CEC's Port Collaborative under the leadership of CEC Commissioner Janea Scott. The Port and other participants have and continue to look into energy storage and micro-grid applications at California's Ports*

## *Overview of Energy Storage Portfolio*

*N/A*

## *Key Factors Impacting Energy Storage Procurement*

*Please describe your utility's reasoning for procuring, or not procuring, energy storage to date. In particular, discuss barriers to your utility procuring energy storage.*

*The Port of Oakland did not procure energy storage due to the cost of energy storage and the technological uncertainty of how energy storage might be able to support business continuity at a major west coast airport and seaport.*

*The Port met with 4 different energy storage developers and consultants and determined that the use of energy storage is not cost effective for the Port.*

*Please discuss planned or potential energy storage projects, including RD&D and pilot programs, your utility may pursue going forward.*

*The Port of Oakland plans to continue meeting with interested developers on energy storage systems and will consider adopting a pilot program when the technology matures and is determined to be cost effective for the Port.*

*The Port of Oakland is embarking on Phase II of the Maritime Electric Strategic Assessment and will be evaluating traditional transmission and generation options as well as other alternatives such as energy storage*