

ENERGY, CLIMATE CHANGE AND ENVIRONMENTAL JUSTICE COMMITTEE
REPORT relative to implementing clean energy storage projects.

Recommendation for Council action:

NOTE and FILE the June 21, 2017 and July 25, 2017 Los Angeles Department of Water and Power (LADWP) reports relative to implementing clean energy storage projects both in the City of Los Angeles and the overall region.

Fiscal Impact Statement: Not applicable.

Community Impact Statement: None submitted.

Summary:

On June 19, 2018, your Committee considered June 21, 2017 and July 25, 2017 LADWP reports in response to Motion (Englander - Bonin - Martinez - Koretz) relative to implementing clean energy storage projects both in the City of Los Angeles and the overall region. According to the LADWP, it is a vertically integrated utility, owning generation, transmission, and distribution assets that enable greater control and flexibility to balance generation and load. The LADWP is planning the size and timing of energy storage procurement based on:

1. The Power System's 2016 Integrated Resource Plan recommendations.
2. Transmission and distribution system grid support needs.
3. Rate impacts
4. Regulatory mandates.

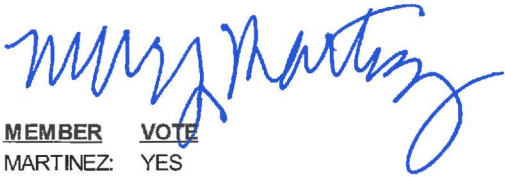
The LADWP is committed to an accelerated and cost-effective integration of renewable energy resources. To that end, energy storage technologies can ultimately play a significant role in sustaining a reliable power system based on system studies and technical analysis that address factors related to overall feasibility, economics, market maturity, environmental impact, battery life-cycle, disposal, and opportunities for recycling. The LADWP has supported energy storage since the early 1970's, and owns and operates the cost-effective, 1200-megawatt (MW; 9,600 megawatt-hours) Castaic pumped-hydro energy storage plant, which can store and also produce enough energy to power over 435,000 households for one day.

Also, the LADWP is committed to the reliable, cost-effective deployment of clean energy as responsible stewards to the City and the environment. This involves looking at all options to increase flexibility when balancing load to match generation. Unlike most other utilities, the LADWP is a vertically integrated utility with diverse energy resources stretched over a vast high-voltage transmission network spanning five states. The Pacific High Voltage Direct Current Intertie, for example, is an 846-mile line to Oregon that delivers inexpensive hydro and wind power to Los Angeles which helps keep rates low. Consistent with the LADWP's Strategic Plan, the LADWP is committed to training and safety around battery systems to ensure the safe and

reliable integration into, and operational control of, new technologies into the existing network. This current infrastructure allows LADWP to import low-cost energy, resulting in some of the most affordable rates in California, which lowers the cost-of-living and drives business development in Los Angeles. The LADWP is leveraging all of its resources, including partnerships with utilities, research institutions, and industry partners to ensure clean generating resources and energy storage resources are integrated to provide the best solutions for the citizens of Los Angeles. After consideration and having provided an opportunity for public comment, the Committee moved to note and file the June 21, 2017 and July 25, 2017 LADWP reports. This matter is now submitted to Council for its consideration.

Respectfully Submitted,

ENERGY, CLIMATE CHANGE AND ENVIRONMENTAL JUSTICE COMMITTEE



<u>MEMBER</u>	<u>VOTE</u>
MARTINEZ:	YES
KORETZ:	YES
KREKORIAN:	YES
CEDILLO:	YES
O'FARRELL:	YES

ARL
6/19/18

-NOT OFFICIAL UNTIL COUNCIL ACTS-