

ENERGY, CLIMATE CHANGE AND ENVIRONMENTAL JUSTICE COMMITTEE REPORT relative to the feasibility of installing solar shade structures over parking lots at Los Angeles Police Department (LAPD) facilities.

Recommendation for Council action:

NOTE and FILE the March 1, 2018 Los Angeles Department of Water and Power (LADWP) report relative to the feasibility of installing solar shade structures over parking lots at LAPD facilities.

Fiscal Impact Statement: Not applicable.

Community Impact Statement: None submitted.

Summary:

On June 19, 2018, your Committee considered a March 1, 2018 LADWP report relative to the feasibility of installing solar shade structures over parking lots at LAPD facilities. According to the LADWP, since November 21, 2017, LADWP and LAPD representatives have met on two occasions to discuss the LAPD's requirements and to prioritize the top six potential facilities that are viable for installing solar shade structures. Initial site assessments have been scheduled for the top five sites where the LAPD has the most urgent need due to increased electrical energy demand caused by the ongoing and planned deployment of electric vehicle charging infrastructure. As a result of these joint meetings, staff has identified several options that may be utilized at the sites. These options for collaboration include:

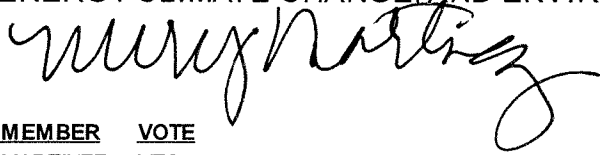
- a. Municipal Solar and Storage Resiliency Projects: Under this option, the LADWP and LAPD will establish a partnership where LADWP will install, own, and maintain solar installations paired with battery storage and electric vehicle chargers. The solar and storage system will be grid connected and provide backup power in the event of an unplanned outage. Since the solar and battery system will not provide energy savings to LAPD, alternative ways of achieving energy savings will be explored - including energy efficiency and demand response.
- b. Net Energy Metering Installations: the LAPD will seek partnership with a solar installer to deploy a net-metered solar photovoltaic system. The LAPD will utilize the energy on-site and receive credit or feed its excess energy back to the grid. Under this option, the LADWP will provide a high level technical advisory service to LAPD in the review and evaluation of proposals submitted to LAPD by third-party installers.
- c. Feed-in Tariff (FiT) Program: A developer or contractor installs a solar photovoltaic (PV) system and sells the power to the LADWP through the FiT Program. This option does not provide energy saving to the LAPD but does provide a 20-year income stream

Moving forward, LADWP and LAPD staff will continue to perform on-site assessments of the 20 LAPD sites. Recommended solar installations at those sites may be one or more of the options

identified above. After consideration and having provided an opportunity for public comment, the Committee moved to note and file the March 1, 2018 LADWP report. 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-**