

DOCKETED

Docket Number:	20-MISC-01
Project Title:	2020 Miscellaneous Proceedings.
TN #:	236174
Document Title:	City of Glendale AB 2514 2020 Compliance Report
Description:	City of Glendale AB 2514 2020 Energy Storage Procurement Target Compliance Report
Filer:	Chie Valdez
Organization:	Glendale Water and Power
Submitter Role:	Public Agency
Submission Date:	12/29/2020 2:00:30 PM
Docketed Date:	12/29/2020



City of Glendale, California
Glendale Water & Power
Administration

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December 17, 2020

Rachel MacDonald
Supply Analysis Office, Energy Assessments Division
California Energy Commission
1516 Ninth Street, MS 20
Sacramento, CA 95814

RE: City of Glendale AB 2514 Compliance Filing Regarding Energy Storage Systems
Procurement Target

Dear Ms. MacDonald,

Pursuant to the requirements of Assembly Bill (AB) 2514 (Skinner, Chapter 469, Statutes of 2010), City of Glendale hereby submits this report to the California Energy Commission (CEC) to demonstrate Glendale's compliance with energy storage procurement targets and policies adopted by Glendale City Council.

On September 9, 2014, the Glendale City Council (City Council) approved to adopt the existing procurement of 1.5 MW of energy storage within Glendale Water and Power's (GWP) service territory as the City of Glendale's initial energy storage target. The existing Ice Bear project procured in collaboration with the Southern California Public Power Authority (SCPPA) was approved by the City Council in 2010 and was committed for this procurement target. The Ice Bear thermal energy storage systems reduce peak electrical demand by utilizing electric energy to produce ice at night during off-peak hours, and then using the ice for cooling during on-peak hours. To date, 156 of the 164 installed units have been functioning as designed. As reported in Glendale's first compliance filing, Glendale's initial storage target of 1.5 MW has been achieved.

On September 12, 2017, the City Council approved to adopt an energy storage target equal to 2 MW comprised of the existing 2 MW Battery Energy Storage System (BESS) installation as City of Glendale's energy storage target for December 31, 2020. In 2016, as approved by City Council, the City of Glendale entered into an agreement with Skylar Energy LP for the procurement, design and installation of a 2 MW, small-scale BESS as a pilot project. Currently, the system is used to regulate the transmission network and balance load.

On December 10, 2019, the City Council authorized a 25-year Power Sales Agreement with SCPPA for the purchase of 12.5% of 69SF 8ME LCC's Eland 1 Solar and Storage Project. This off-system project will provide the City 25 MW of renewable solar energy and 18.87 MW/75MWh of BESS by 2023. The BESS component mitigates the



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intermittency of solar generation and provides the ability to shift the generation towards evening peaks increasing system reliability and operability.

Although the City of Glendale has not adopted an additional energy storage procurement target this time, GWP Staff continues to actively investigate energy storage through its membership with SCPPA, specifically SCPPA's Renewable Working Group and Resource Planning Working Group. The working groups issue an annual Request for Proposal and/or Information (RFP/RFI) for renewable energy and storage projects. Furthermore, Staff is currently negotiating with various vendors for new energy storage projects within the City of Glendale's service territory, including stand-alone local storage and customer-level renewable with storage solutions.

Please contact Chie Valdez (cvaldez@glendaleca.gov, 818-550-4709), Power Planning Manager, with any questions about Glendale's energy storage procurement plans or projects.

Sincerely,

For A large, stylized handwritten signature in blue ink, likely belonging to Mark Young, is written over the signature line.

Mark Young
Deputy General Manager – Power Management.