



**Texas Commission on Environmental Quality
New Technology Implementation Grant (NTIG) Program**

Implementation Phase Quarterly Project Status Report

Contract Number:	582-17-70806-2569		
Application Number:	2016-08-0002-NG		
Grantee:	The City of San Antonio, acting by and through City Public Service Board (CPS Energy)		
Physical Address of Project:	9800 W. Commerce Street, San Antonio, Texas 78227		
Report for the Quarterly period:	10/1/19 to 12/31/19	Date Submitted:	01/09/2020
Authorized Official/Project Representative Name:	David Jungman		
Authorized Official/Project Representative Contact Details:	Email Address: DCJungman@cpsenergy.com	Phone Number: 210-353-4861	
Project Summary: (150 word max)	The CPS Energy Solar + Storage project integrates a 5 MW / 10 MWh lithium-ion battery energy storage system (BESS) with a 5 MW solar Photovoltaic array in Bexar County, Texas. The project has a twenty-year life and will be constructed near the Southwest Research Institute on West Commerce Street in San Antonio. The project will showcase a cost-effective and scalable method to achieve reduced emissions, while providing economic and operational benefits to the community, CPS Energy customers and the ERCOT grid.		

Section I. Accomplishments

Provide a bulleted list of project accomplishments since the last report and identify the corresponding task (if applicable).

- **BESS Energization/Solar Shifting:** The BESS was energized and began solar shifting operation in Q4/2019.
- **BESS ERCOT Testing:** The process for ERCOT ancillary service qualification testing was initiated in Q4/2019.

List any invoices being submitted for reimbursement in reference to the project accomplishments listed above: (Add rows as necessary.)

- No invoices have been submitted for reimbursement during Q4/2019.

Section II. Problems/Solutions

Problem(s) Identified: Report anticipated or unanticipated problem(s) encountered and their effect on the progress of the project.

- The initial ERCOT ancillary service qualification test was not approved.

Proposed Solution(s): Report any possible solution(s) to the problem(s) identified above.

- Repeat qualification testing.

Action(s) Conducted: Describe the action(s) taken to resolve the problem(s) identified above.

- Adjustments to parameters were made to resolve qualification issues.


Describe results of these actions identified above.

- Not applicable.

Section III. Goals and Issues for Upcoming Period

Provide a brief description of the goal(s) you hope to realize in the coming period and identify any notable challenges that can be foreseen:

- **Solar PV Finalization.** CPS Energy intends to finalize installation of the Data Acquisition System (DAQ) and complete performance testing of the Solar PV in Q1/2020.
- **BESS ERCOT Testing:** CPS Energy plans to complete ancillary service qualification testing in Q1/2020.
- **BESS Finalization:** Finalization of the BESS will be completed following ERCOT ancillary service qualification testing in Q1/2020.



 Authorized Official/Project Representative's Signature

1/9/20

 Date

NOTE: Please attach any additional information that you feel should be a part of your report or that may be required to meet the deliverable requirements for tasks completed during this reporting period.

This form may be submitted via e-mail to your Grant Coordinator or a paper copy may be sent to the following address:

Texas Commission on Environmental Quality
 Air Quality Division
 Implementation Grants Section (NTIG), MC-204
 P.O. Box 13087
 Austin, Texas 78711-3087