

**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:	April 1, 2018 to June 30, 2018	Date Submitted:	July 09, 2018
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).

- **Site Contracts Executed:** CPS Energy has finalized and executed lease agreements with the site owner. This task relates to Task 1 – Secure rights to location. Task 1 has been completed.
- **Vendor Contract Execution:** On June 27, 2018, CPS Energy executed agreements with subsidiaries of Renewable Systems Holdings Limited. The company was selected from 22 bids received in response to a request for proposals issued last year. This progress relates to Task 2 – Secure All Necessary Permits to Install and Operate Project and Enter into Contract with Supplier for Supply of Major Equipment.
- **Public Relations.** CPS Energy has maintained a public webpage for the NTIG project since awarded. The webpage is intended to educate the public about the project and provide updates on progress. The

webpage is available at: <https://www.cpsenergy.com/en/developers-builders/new-infrastructure/terp.html>.
This task relates to Task 5 – Public Relations. Task 5 has been completed.

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

- No invoices have been submitted during Q2/2018.

Section II. Problems/Solutions

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

- Despite good faith efforts, negotiations with the initial vendor selected from the RFP process proved unsuccessful.
- CPS Energy was going to house the BESS in a warehouse. New codes, standards and regulations (CSR) for 2018 editions have modified the Maximum Allowable Quantities (MAQ) of specific battery technologies housed indoors. IFC chapter 12 and NFPA-1 chapter 51 limit the MAQ to 600 kWh. If a site exceeds or is planned to exceed these MAQ, the facility will need to be classified as a high hazard occupancy and be subjected to increased physical and operational criteria and allowed uses for the building.

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

- CPS Energy initiated contract negotiations with the next-ranked bidder.
- Because the warehouse has multi-purpose usage, the BESS will now be containerized outdoors and will not be housed in the warehouse as initially planned.

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

- Negotiations were conducted in good faith and contracts were executed.
- CPS Energy modified the BESS project specifications to be in outdoor containers.

Describe results of these actions identified above.


- CPS Energy contracted with a vendor for the project.
- Modifications to the project specifications were made and accepted by both parties.

Section III. Goals and Issues for Upcoming Period

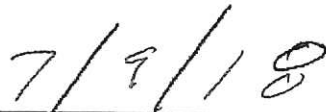
Provide a brief description of the goal(s) you hope to realize in the coming period and identify any notable challenges that can be foreseen:

- **Secure Permits:** Selected vendor will obtain any remaining city and county permits to perform site preparation and BESS installation (Task 2).
- **Equipment Procurement:** Long-lead items will be ordered to ensure timely arrival for project installation (Task 2).
- **Project Engineering Review:** CPS Energy will receive and review electrical and civil engineering design packages from the vendor.

- **Site Preparation:** The Contractor will begin to prepare the site for the construction and installation of the Solar PV, BESS and interconnection equipment to include tree clearing. (Task 3). This task is dependent on timely completion of the engineering design and review process.
- **ERCOT Interconnection Application:** CPS Energy looks to complete the interconnection application process with the grid operator - Electric Reliability Council of Texas (ERCOT) for the BESS (Task 4).
- **CPS Energy Interconnection Application:** CPS Energy will support the selected vendor to complete the CPS Energy interconnection application process.



Authorized Official/Project Representative's Signature



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:

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Air Quality Division
Implementation Grants Section (NTIG), MC-204
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