



**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:	1/1/19 to 3/31/19	Date Submitted:	4/5/2019
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.		

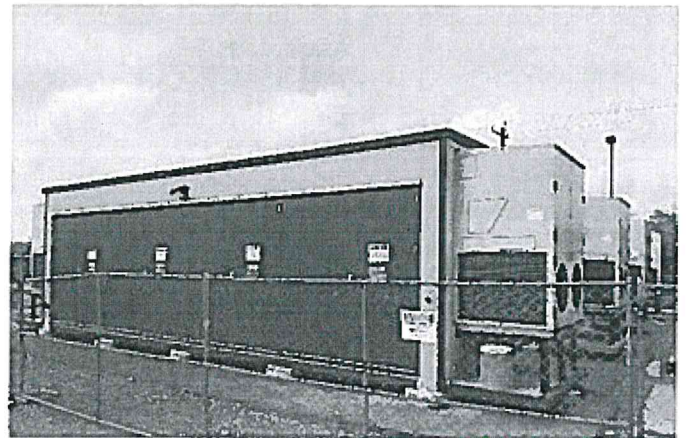
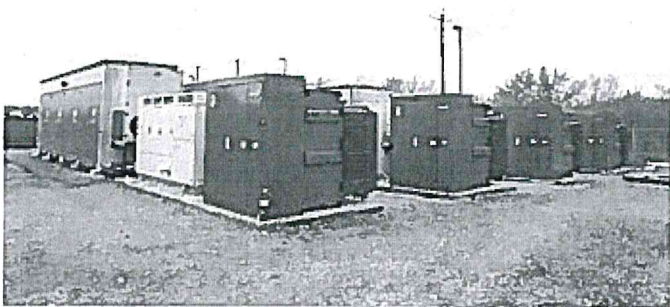
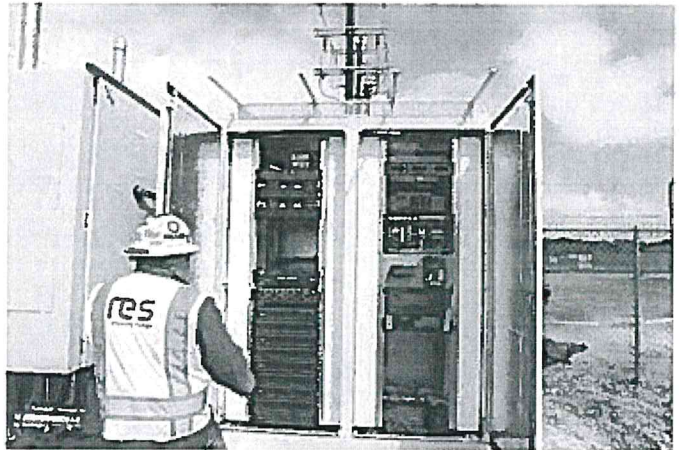
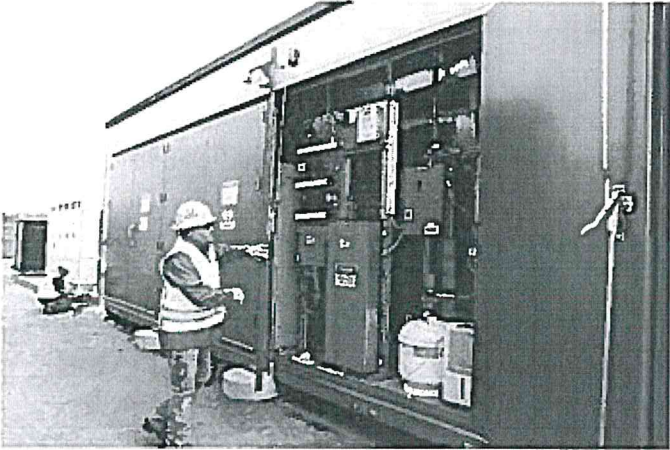
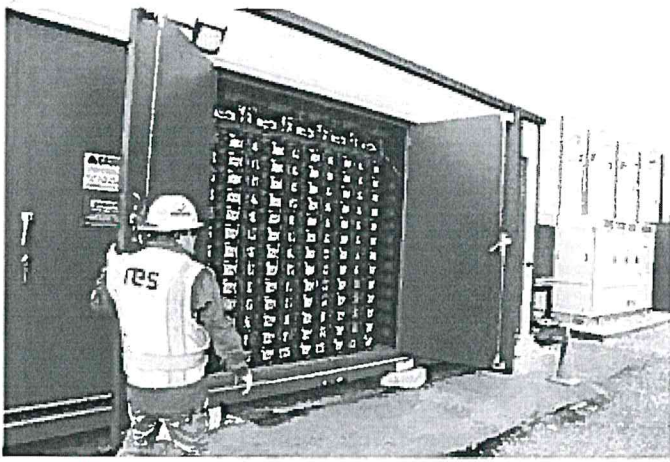
Section I. Accomplishments

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

- **BESS Site Prep:** CPS Energy graded the site and installed the pads for the BESS containers (Task 3). Task 3 is completed.



- ***BESS Installation.*** CPS Energy completed installation of the BESS to include:
 - Installation of BESS containers
 - Installation of inverters and wiring
 - Ran ducting and positioned units
 - Ran DC wires to establish the DC block and connected to the inverters
 - Placed the Programmable Logic Controller (health monitor) inside the containers and ran all necessary connections
 - Placed the real-time Automation Controller (RTAC) inside the containers and ran the connections to the inverter and server
 - Ran wire and placed the switchgear on the switchgear pad
 - Placed servers in the containers and connected it to all monitoring equipment
 - Installed the transformers and connected the site to the grid
 - Establish communications and started logging data
 - Completed site acceptance testing (SAT)



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 Q1/2019.

Section II. Problems/Solutions

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

- No problems to report for Q1/2019.

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

- Not applicable.

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

- Not applicable.


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 Construction.** CPS Energy intends to complete construction of the Solar PV in Q2/2019.
- **Testing of Final Design:** CPS Energy plans to receive approvals for energization and synchronization from ERCOT, and complete ancillary service qualification in Q2/2019. Final commissioning of the BESS will also be performed.



Authorized Official/Project Representative's Signature

4/5/19
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
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Austin, Texas 78711-3087