



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

**Implementation Phase Quarterly Project Status Report**

<b>Contract Number:</b>	582-17-72096-2569		
<b>Application Number:</b>	2017-08-0006-NG		
<b>Grantee:</b>	Pedernales Electric Cooperative, Inc. (PEC)		
<b>Physical Address of Project:</b>	Johnson City Substation 201 Los Encinos Drive, Johnson City, TX 78636		
<b>Report for the Quarterly period:</b>	July 1, 2018 to September 30, 2018	<b>Date Submitted:</b>	October 3, 2018
<b>Authorized Official/Project Representative Name:</b>	James Spaulding		
<b>Authorized Official/Project Representative Contact Details:</b>	Email Address: James.Spaulding@peci.com	Phone Number: 830-868-6128	
<b>Project Summary:</b> (150 word max)	The Pedernales Energy Storage Automation & Management with Solar (PESAMS) project integrates a 2 MW / 4 MWh lithium-ion battery energy storage system (BESS) in Blanco County, Texas, near the newly installed Johnson City solar Photovoltaic array. The PESAMS project is a cost-effective, reliable, duplicable and scalable system design that will achieve reduced emissions, while providing economic and operational benefits to PEC members.		

**Section I. Accomplishments**

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

- **Stakeholder Discussions:** PEC completed necessary discussions with state and market stakeholders.

*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.*

- Ownership and operation of energy storage resources by electric cooperatives is in a nascent stage in the Texas electricity market. PEC had to facilitate groundwork discussions and clarifications at the state and market level to remove barriers.

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

- Administrative and legal due diligence.

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

- Discussions and clarifications with appropriate stakeholders.

*Describe results of these actions identified above.*

- PEC is optimistic that existing policy barriers have been resolved.

**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:*

- **Contract Execution:** The BESS contract is anticipated by Q4/2018.
- **Project Engineering:** PEC will receive and review electrical and civil engineering design packages from the vendor.
- **Equipment Procurement:** Long-lead items will be ordered to ensure timely arrival for project installation.
- **Secure Permits:** Selected vendor will obtain any necessary city and county permits to perform site preparation and BESS installation.

The engineering phase make consume additional time depending on the frequency and magnitude of revisions. Procurement of batteries is subject to the manufacturer's current supply timeline and may be lengthy due to current demand in the industry.

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**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:

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

