



**Texas Commission on Environmental Quality (TCEQ)
Texas Emissions Reduction Plan (TERP)
New Technology Implementation Grant (NTIG) Program**

Implementation Period Biannual Status Report Form

Contract Number: 582-23-45838-NG	Grantee Name: Farmers Electric Cooperative, Inc.
Report for Quarterly Period: Q3/4 of 2023	Physical Project Address: 17360 FM 2755, Lavon, TX 75166
Date Submitted: 12/29/2023	Project Representative Name: Samantha Crouch
Project Representative E-Mail: scrouch@farmerselectric.coop	Project Representative Phone Number: 903-439-5122
Project Summary (150 words or less): Farmers Electric Cooperative's (FEC) owns and operates the Lavon Substation in Collin County, Texas. The project consists of engineering, procuring, and implementing a source of non-dispatchable power via an up to 1 MW capacity (alternating current) photovoltaic (PV) solar array and a dispatchable 2 MW capacity battery energy storage solution (BESS) at the Lavon Substation to increase electric capacity during moderate to high power requirement periods.	

Section I. Project Progress

- A. Indicate which Tasks, as defined in the Grant Contract Scope of Work, are currently in progress. Describe any challenges encountered during the completion of these Tasks. Discuss plans or actions taken to resolve them.

The following tasks are in progress:

Task 1: Implementation Period Reporting

FEC's project management team was recently restructured and resulted in a change of personnel assigned to this project. FEC submitted to TCEQ a Change Request to accurately reflect the alteration and identify new reporting personnel.

Task 3: Secure Permits as Necessary to Install and Operate Project (Non-ERCOT)

FEC continues working to secure permits necessary for the project and does not anticipate encountering challenges to do so. FEC's internal team remains working to design and approve the webpage content.

Task 6: Execution of Contracts and Purchase of Equipment

FEC is in contract negotiations with a contractor for the engineering, procurement, and construction (EPC) of the project. Because most equipment purchases have long lead times, and the contractor is responsible for ordering the equipment, the EPC contract must be finalized shortly to ensure compliance with the current timeline and schedules. To combat potential delay, both FEC and the contractor have emphasized their focus on executing the EPC.

Task 2: Secure Rights to Location

FEC has secured rights to the Lavon Substation with no issues encountered. FEC holds all required insurance coverage and is working to provide proof of such in a form satisfactory to TCEQ.

- B. Indicate which Tasks have been completed, and any associated accomplishments during this reporting period. Describe any challenges encountered during the completion of these Tasks. Discuss actionstaken to resolve them.

FEC has not yet completed any identified tasks in full.

Section II. Goals for Upcoming Period

A. Provide a brief description of the Tasks and/or other project goals you hope to realize in the coming period and identify any notable challenges that can be foreseen.

In the coming period, FEC hopes to realize the following tasks:

Completion of Task 3: Secure Permits as Necessary to Install and Operate Project (Non-ERCOT)

FEC does not anticipate encountering additional challenges completing this Task.

Completion of Task 6: Execution of Contracts and Purchase of Equipment

FEC does not anticipate encountering additional challenges completing this Task.

Begin Task 4: Lavon Substation Project Site Preparation and Monetization Analysis

As the site design has the potential to impact the monetization analysis, the final analysis cannot be completed prior to design selection and preparation which may lead to time constraints on the monetization. To ensure timely results, FEC has internal resources scheduled to collaborate on analyzing both designs options and resulting monetization reports simultaneously so as to be completed as scheduled.

Begin Task 5: ERCOT Generation Interconnection

FEC intends to facilitate initial discussions with ERCOT to prepare for application and interconnection requirements.

Authorized Official/ Project Representative's Printed name

Samantha Crouch

Authorized Official Signature/ Project Representative's name

Date

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12/29/2023

Note: Please attach any additional information that you feel should be a part of your report. This form may be submitted via e-mail to your Contract Manager, Ronda Lee at ronda.lee@tceq.texas.gov.