



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

Implementation Phase Quarterly Project Status Report

Contract Number: 582-17-72095-2569

Application Number:

Grantee: NRG Texas Power LLC

Physical Address of Project: TBD. Tentatively NRG's Langford Wind Farm in Tom Green County, or at NRG's Buckthorn Solar site in Pecos County.

Report for the Quarterly period: July 1, 2017 to September 30, 2017 **Date Submitted:** October 10, 2017

Authorized Official/Project Representative Name: Forrest Forster

Authorized Official/Project Representative Contact Details:

Email Address:	Phone Number:
Forrest.Forster@nrg.com	832-357-5782

Project Summary:
(150 word max)

Installation of a combined Li-Ion and Flow battery system

Section I. Accomplishments

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

- Activities continued this quarter in support of "Task 1 - Detailed Design, Engineering, and Internal Project Approvals"

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

Date of Invoice	Invoice Number	Vendor	Service/Product	Budget Category (Equipment, Supplies & Materials, etc.)

Section II. Problems/Solutions

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

- NRG received feedback from various providers of flow battery technology. Costs and schedule execution ability differed materially from the initial Tier 1 supplier agreement.
- NRG announced a Transformation Plan on July 12, 2017. As part of this corporate restructuring, the original Project Representative for this NTIG contract is no longer with NRG. Additionally, as part of a related ongoing sales process, there are further restrictions on modifications to NRG's renewable assets.

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

- NRG will take into consideration the factors above and will determine ways to further optimize project in order to achieve viable economics. This includes evaluation of the hybrid battery system as an incremental cost to renewable projects soon-to-be or currently under construction in Texas, as well as identification of parties that would be able to derive benefits from contracting for use of the battery system's capacity.

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

- NRG has updated the Project Representative for the NTIG contract and is beginning to pursue the proposed solutions.

Describe results of these actions identified above.

- An update on results will be made in the upcoming quarter.

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:

- Determine a viable path forward for the project to get Task 1 on track.

Authorized Official/Project Representative's Signature

10/10/2017

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