



**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: April 1, 2017 to June 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).

- Task 1 – Detailed Design, Engineering, and Internal Project Approvals
 - Reviewed interconnection and electrical drawings
 - Modeled performance based on anticipated usage cases to inform the detailed design

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 executed an MOU with a Tier 1 flow battery provider with to contribute technology under a specified schedule to the project. The flow battery provider subsequently communicated that it would not be able to honor the agreed upon terms.

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

- NRG will evaluate the impacts on the planned project execution and consider alternative technology suppliers.

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

- NRG initiated discussions with alternative flow battery suppliers.

Describe results of these actions identified above.

- Feedback is anticipated in the upcoming quarter and will be used to support further analysis and evaluation to advance the project.

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:

- Receive information to further assess design of hybrid system and perform activities related to site selection.



10/10/2017

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