

Texas Commission on Environmental Quality
New Technology Implementation Grant (NTIG) Program
Operation Phase Annual/Final Status Report

Contract Number:	582-17-70806-2569		
Grantee:	CPS Energy		
Report for the Annual Period:	June 2020 - May 2021	Date Submitted:	June 29, 2021

Section I. Accomplishments

Provide a bulleted list of operations of the facility during the past year. Include exact numbers and/or estimates.

- Facility is solar-shifting and offering ancillary services in the ERCOT market.
- Facility ran with an availability factor of 98%.
- Facility is providing revenue to the CPS Energy system and responding to setpoints.
- CPS Energy personnel gained operational and technical skills as it relates to operations and maintenance of the facility.
- 1,165,936 lbs. of CO displaced*

* Based on CPS Energy Emission Rates from PUC Labeling of Electricity filing 2021

Section II. Key Events and Issues

Report any key events that occurred during this reporting period. Please include any major project updates that impacted operations.

- Facility received Checklist 3 approval from ERCOT October 2020.
- Facility began to offer ancillary services, namely Fast Responding Regulation Service (FRRS).
- Implemented several control system changes to enable more automated operation of the daily schedule.

Report any anticipated or unanticipated problem(s).

- Winter storm Uri impacted operations by not allowing charging during active load shed.
- Short-term facility capacity reductions related to issues with HVAC controls, battery systems, and inverter controls.
- ERCOT protocol changes mainly related to the way the facility was charged in the wholesale market.

Proposed Solution(s): Report any possible solution(s) to the anticipated or unanticipated problem(s).

Action(s) Conducted and Results: Describe the action(s) taken to resolve the anticipated or unanticipated problem(s). Were the actions successful in resolving the problem?

- Developed several lessons learned from Uri; however, given the current ERCOT protocols the operation of the unit will remain the same.
- Adjusted HVAC control systems, upgraded several inverter components, and obtained

- additional spare parts to keep on site to reduce the time for repairs to be conducted.
- Revised real-time operating procedures for the facility to match ERCOT protocol changes.

Section III. Provide a summary of the overall state of the facility and grant funded equipment.

- The facility and all grant funded equipment is in excellent operating condition.
- Monthly preventative maintenance is performed on the facility and controls are in place to ensure security of the unit.
- Following proper COVID 19 protocols, several educational tours of the facility were provided to internal and external groups.

Section IV. Goals and Issues for Upcoming Period

Provide a brief description of the project goal(s) you hope to realize during the next reporting period.

- Continue to provide solar-shifting and offer ancillary services into the ERCOT market.
- Continue to examine control system enhancements to automate the operation of the facility.
- Ensure facility stays in excellent operating condition to assist in meeting the CPS Energy peak demand.
- Continue to provide educational tours to promote the features and capabilities of the facility.

Authorized Official / Project Representative's name and signature (blue ink)	Date:	June 29, 2021
Jonathan R. Tijerina		
Sr. Director Business & Economic Development		

This form may be submitted via e-mail to your Grant Manager or a paper copy may be sent to the following address:

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