

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

Contract Number:	582-19-96631-0402
Grantee:	University of Texas at Arlington
Report for the Annual Period:	September 2023 - August 2024 Resubmitted: Nov. 26, 2024

Section I. Accomplishments

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

- The TEP (Thermal Energy Plant) Boilers 1 and 2 have been running in normal operation all year with no operational issues.
- Boiler 1 has a run time of 1798 hours Boiler 2 has a run time of 1377 hours on natural gas.
- Estimated NOx saving is 60% over retrofitted burner system.

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.

- Staff operators were provided annual training from the burner controls manufacturer.
- Began replacing Boiler 4. New boiler should be in operation by January 2025.

Report any anticipated or unanticipated problem(s).

- No significant problems with the boiler.

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

- NA

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?

- NA.

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

- The TEP has been running in normal operation and the newly installed burner controls have been operational and in excellent condition. Boiler #4 design for demo and replacement is finalized. Will demo boiler in Oct 2024 and new boiler operating prior to Jan 2025.
- Periodic preventative maintenance is performed on the burner control systems and recorded per manufacturers recommendations.

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 run these boilers as recommended so our emission footprint in minimized.
- Continue to look at new technology that will make sense for UTA to reduce emissions further.
- Maintain yearly training and preventative maintenance to ensure proper operation in the future.

Authorized Official/Project Representative's Name and Signature: <i>Robb Chock</i>	Date:	11/26/2024
Robb Chock, P.E.		
Director of Mechanical Operations - UTA		

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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