

Quarterly Report – Public Page

Date of Report: *3rd Quarterly Report – June 30, 2024*

Contract Number: # 693JK32310004POTA

Prepared for: *DOT and Co-funders*

Project Title: Implement Fiber Optic Technology for Underground Gas Storage Well Monitoring

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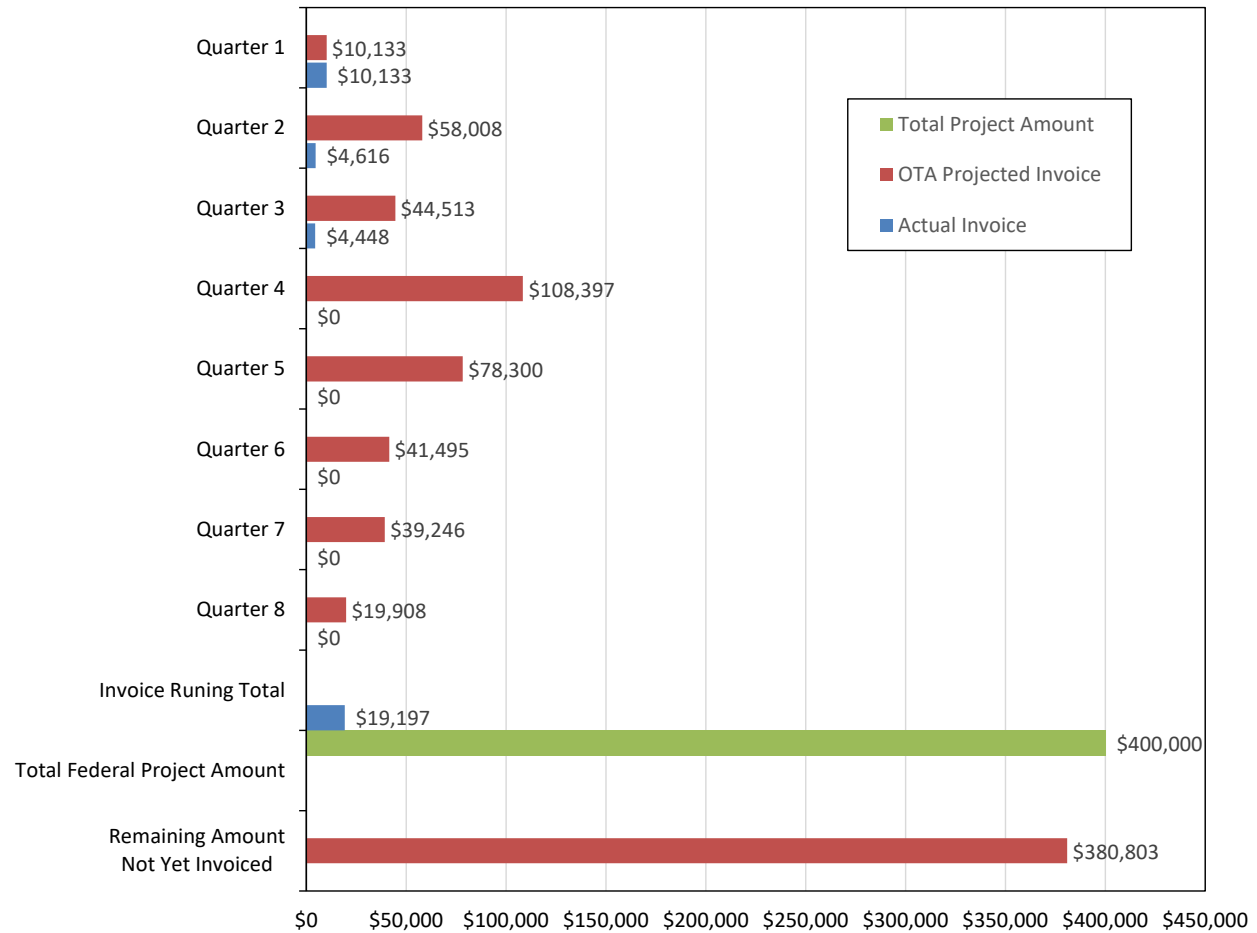
For quarterly period ending: *June 30, 2024*

1: Items Completed During this Quarterly Period:

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>	<i>Federal Cost</i>	<i>Cost Share</i>
6	4	<i>3rd quarterly status report & project management</i>	<i>Submit 3rd quarterly report</i>	<i>\$4,448.00</i>	<i>\$4,448.00</i>

2: Items Not Completed During this Quarterly Period:

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>	<i>Federal Cost</i>	<i>Cost Share</i>
3	1	<i>Engineering review of fiber optics technology for underground gas storage well monitoring</i>	<i>Summary to be included in the quarterly report</i>	<i>\$53,392.00</i>	<i>\$53,392.00</i>
5	2	<i>Complete engineering design for DSS & DAS laboratory tests</i>	<i>Results to be included in the quarterly report</i>	<i>\$40,065.00</i>	<i>\$40,065.00</i>

3: Project Financial Tracking During this Quarterly Period:**Quarterly Payable Milestones/Invoices - 693JK32310004POTA****4: Project Technical Status:**

[Item #6] [Task #4] [3rd quarterly status report & project management] [Submit 3rd quarterly report]

A quarterly Technical Advisory Panel (TAP) meeting was held on June 12th, 2024. An update of the engineering design for DSS & DAS laboratory tests was presented and reviewed in the meeting. The overall project progress and future work plan for the next quarter were discussed with the TAP.

The agreements with the three fiber optic vendors were executed in this quarter. Upon the agreement execution, C-FER had an interview meeting with each of the vendors. Discussed in the interview was the project objectives, laboratory test overview, vendor responsibilities, and the timeline for the laboratory test. A request for solicitation of the fiber optic monitoring system cost structure for underground storage wells has been sent to all three vendors.

This is a quarterly report task and is completed. *[Item #6] [Task #4]*

5: Project Schedule:

[Item #3] [Task #1] [Engineering review of fiber optics technology for underground gas storage well monitoring] [Summary to be included in the quarterly report]

All sub-tasks in Task #1 were completed except the collection of the cost structure information for the deployment of fiber optic monitoring system in UGS wells since this requires vendor input (and the vendor agreement execution was delayed). Upon vendor agreement execution in May 2024, C-FER sent the request to collect the cost structure information to all three vendors. The project team received the cost structure information from one vendor and is still waiting for the response from the other two vendors. As a result, further delay occurred in the completion of this task. It is expected that this task will be completed in the next quarter (Q4).

[Item #5] [Task #2] [Complete engineering design for DSS & DAS laboratory tests] [Results to be included in the quarterly report]

This task is in progress, but it's currently delayed since the engineering design for the laboratory test requires inputs from the fiber optic vendors. Delay of the vendor agreement execution has caused a delay in completing this task. It is expected that this task will be completed in the next quarter (Q4).