

Quarterly Report – Public Page

Date of Report: 4th Quarterly Report – September 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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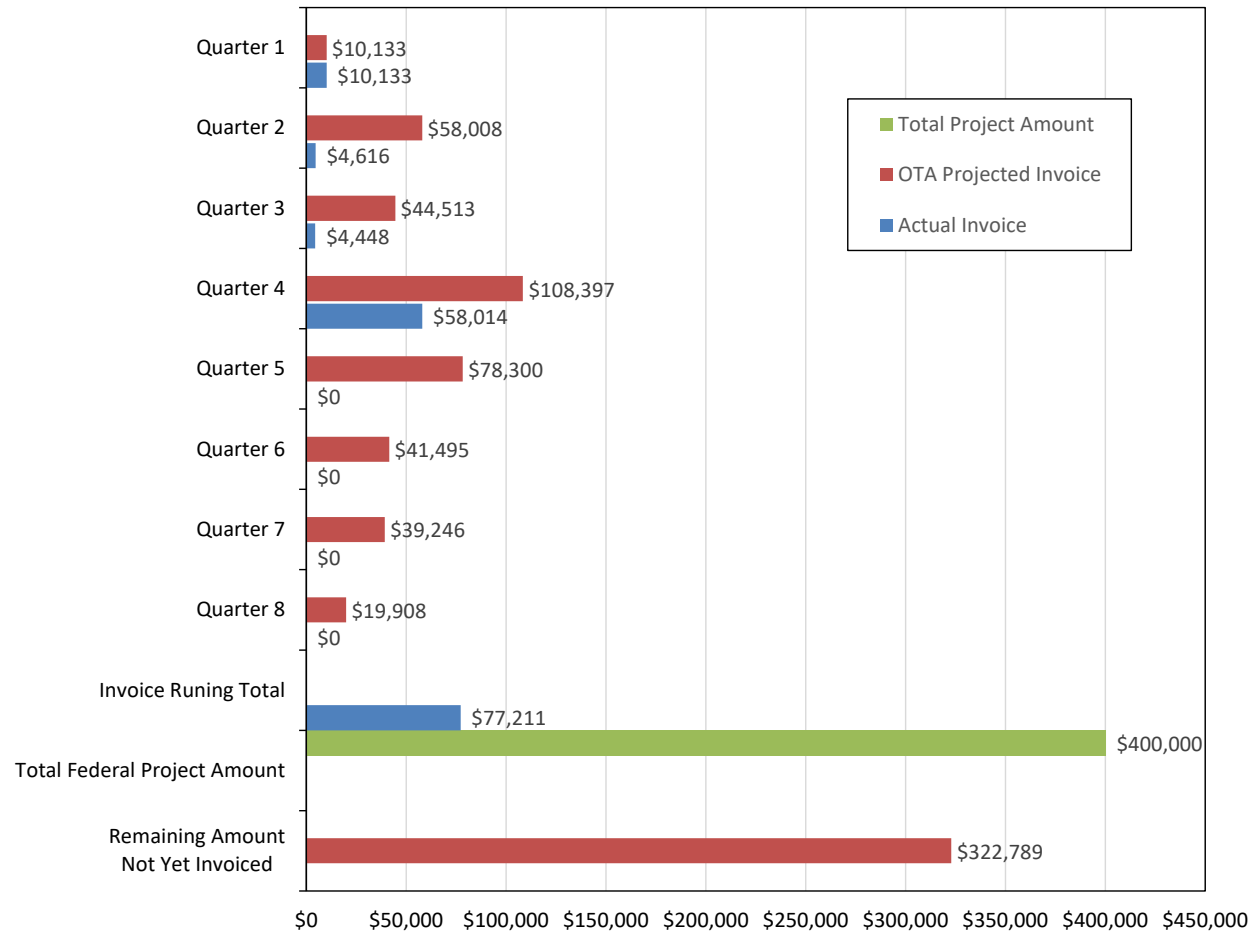
For quarterly period ending: September 30, 2024

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>
3	1	Engineering review of fiber optics technology for underground gas storage well monitoring	Summary to be included in the quarterly report	\$53,392.00	\$53,392.00
9	4	4th quarterly status report & project management	Submit 4th quarterly report	\$4,622.00	\$4,622.00

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>
5	2	Complete engineering design for DSS & DAS laboratory tests	Results to be included in the quarterly report	\$40,065.00	\$40,065.00
7	2	Setup and commission DSS laboratory test apparatus	Test setup description to be included in the quarterly report	\$80,600.00	\$80,600.00
8	2	Conduct DSS laboratory tests	Test execution summary to be included in the quarterly report	\$23,175.00	\$23,175.00

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

[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 three vendors provided the cost structure information for deployment of fiber optic monitoring system in UGS wells. A summary of the literature review on the fiber optic monitoring technology is provided in Appendix A attached to this quarterly report. This task is completed.

[Item #9] [Task #4] [4th quarterly status report & project management] [Submit 4th quarterly report]

A quarterly Technical Advisory Panel (TAP) meeting was held on September 10th, 2024. The cost estimates collected from the three vendors were reviewed in the TAP meeting. An update of the engineering design for DSS & DAS laboratory tests was also reviewed in the meeting. The overall project progress and future work plan for the next quarter were discussed with the TAP. This task is completed.

5: Project Schedule:

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

This task is not fully completed, but it's close to its completion. It is expected that this lab test design task will be completed in the next month, and the effort will transition to the subsequent test setup and execution tasks.

[Item #7] [Task #2] [Setup and commission DSS laboratory test apparatus] [Test setup description to be included in the quarterly report]

This task is currently delayed. It is possible that the project team may catch up with the original schedule and complete this task in the next quarter.

[Item #8] [Task #2] [Conduct DSS laboratory tests] [Test execution summary to be included in the quarterly report]

This task is currently delayed. It is possible that the project team may catch up with the original schedule and complete this task in the next quarter.