

**External Quarterly Report**

**Date of Report:** 5<sup>th</sup> Quarterly Report -December 23<sup>rd</sup>, 2024

**Contract Number:** 693JK32310012POTA

**Prepared for:** DOT PHMSA

**Project Title:** A Framework for Improving Geohazard Monitoring, Data Integration, and Information Fusion at Scale

**Prepared by:** GTI Energy (Gas Technology Institute)

**Contact Information:** Ernest Lever, [elever@gti.energy](mailto:elever@gti.energy) , 847-544-3415

**For quarterly period ending:** December 31<sup>st</sup>, 2024.

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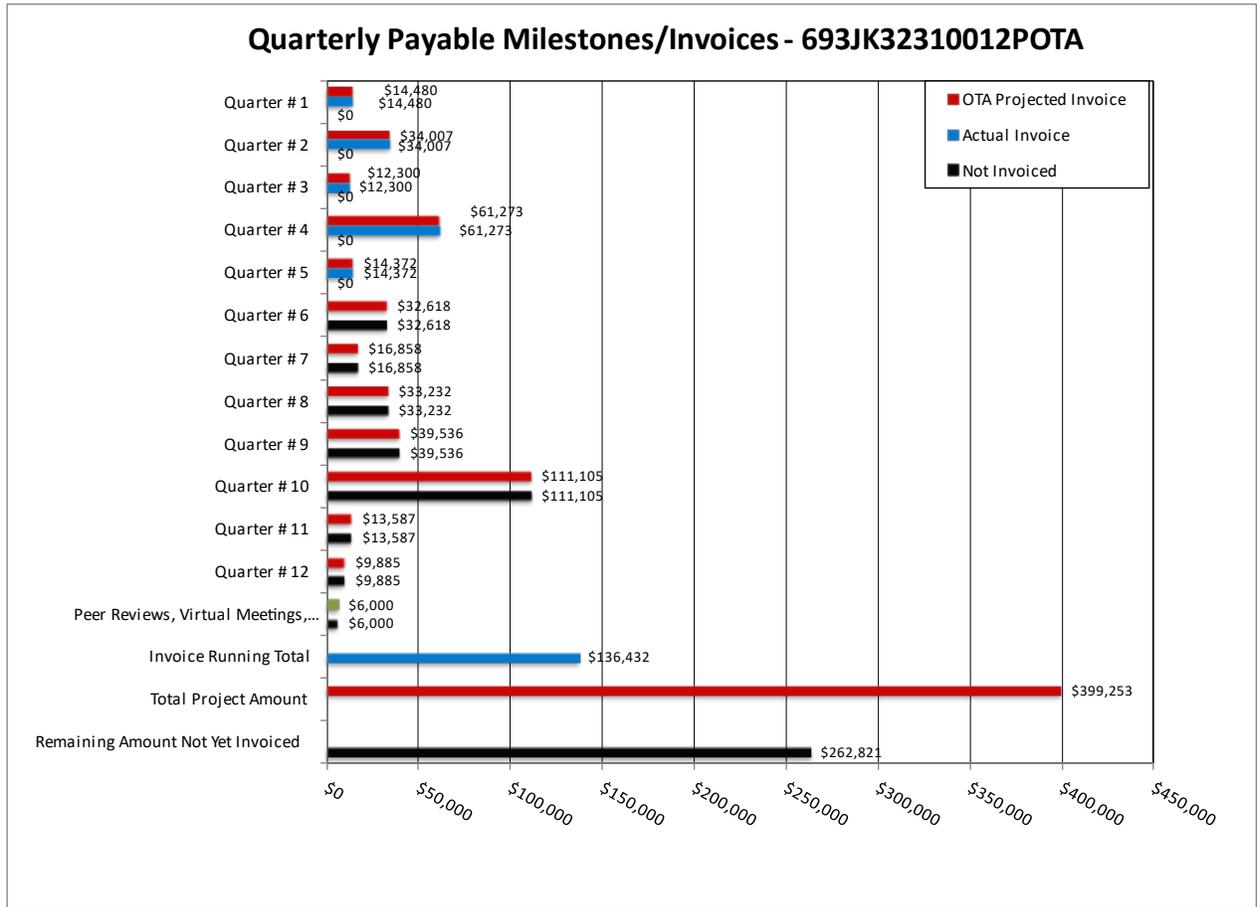
**1: Items Completed During this Quarterly Period:**

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>	<i>Federal Cost</i>	<i>Cost Share</i>
12	2	Generalized Framework and Use-case Development	Final Addressing Report: Summarizing research on existing systems, stakeholder needs, data engineering and optimization requirements, stakeholder requirements	12,072.00	37,711.00
13	11	5th Quarterly Status Report	Submit 5th quarterly report	2,300.00	1,418.00

**2: Items Not Completed During this Quarterly Period:**

None

### 3: Project Financial Tracking During this Quarterly Period:



#### **4: Project Technical Status**

- The project is on schedule and on budget.
- There are no late deliverables.
- A TAP meeting was held on November 7<sup>th</sup>, 2024 to review the Q4 report, discuss geohashing, and to hold general discussion on standards outreach and any other topics that the TAP wanted to raise.
- Dr. Keith Leewis attended the International Pipeline Conference and Exposition – Calgary, Sept 24 to 27, 2024, where he scheduled a meeting with the PODS board to introduce them to the project scope and to discuss pathways to including the project deliverables in future standards development.
- There is one deliverable due this quarter:
  - Final Addressing Report: Summarizing research on existing systems, stakeholder needs, data engineering and optimization requirements, stakeholder requirements. The deliverable is presented in Appendix 1.
- Work in the 6<sup>th</sup> quarter will be focused on completing the next project deliverables:
  - Interim Report: Inventory models, methods, and datasets used to address a geohazard use case
  - Interim Report 3 on standards organization outreach

**End of Report**