



4th QUARTERLY REPORT – PUBLIC
GTI PROJECT NUMBER 22647

Evaluation of the Efficacy and Treatment of Hazard Mitigation Measures for LNG Facilities

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U.S. Department of Transportation
Pipeline and Hazardous Materials Safety Administration
Office of Pipeline Safety
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1: Items Completed During this Quarterly Period

Table 1 shows the items and deliverables (from Attachment #3 of Agreement) that were completed during this Quarter.

Item #	Task #	Activity/Deliverable	Payable Milestone Title	Federal Cost	Cost Share
8	4	Quantify Uncertainty in Mitigation Measures	Summary of Uncertainty of Effectiveness of Mitigation Measures	\$10,560	\$51,177
9	5	Develop Recommended Methods to Implement Mitigation Measures in Modeling	Summary of Recommended Methods to Implement Mitigation Measures in Modeling	\$60,811	\$0
10	9	Project Management Activities	Fourth Quarterly Report	\$4,557	\$1,885

Table 1 – Items Completed During this Quarterly Period

2: Items Not Completed During this Quarterly Period

There were no items and deliverables that were scheduled to be completed during this Quarter that were not completed during this Quarter.

3: Project Financial Tracking During this Quarterly Period

The contract for this research effort is fixed price, with milestone/deliverable payments. **Figure 1** shows the projected invoicing upon delivery of this quarter's invoice, which reflects Quarterly Payable Milestones in Table 1 for this quarter.

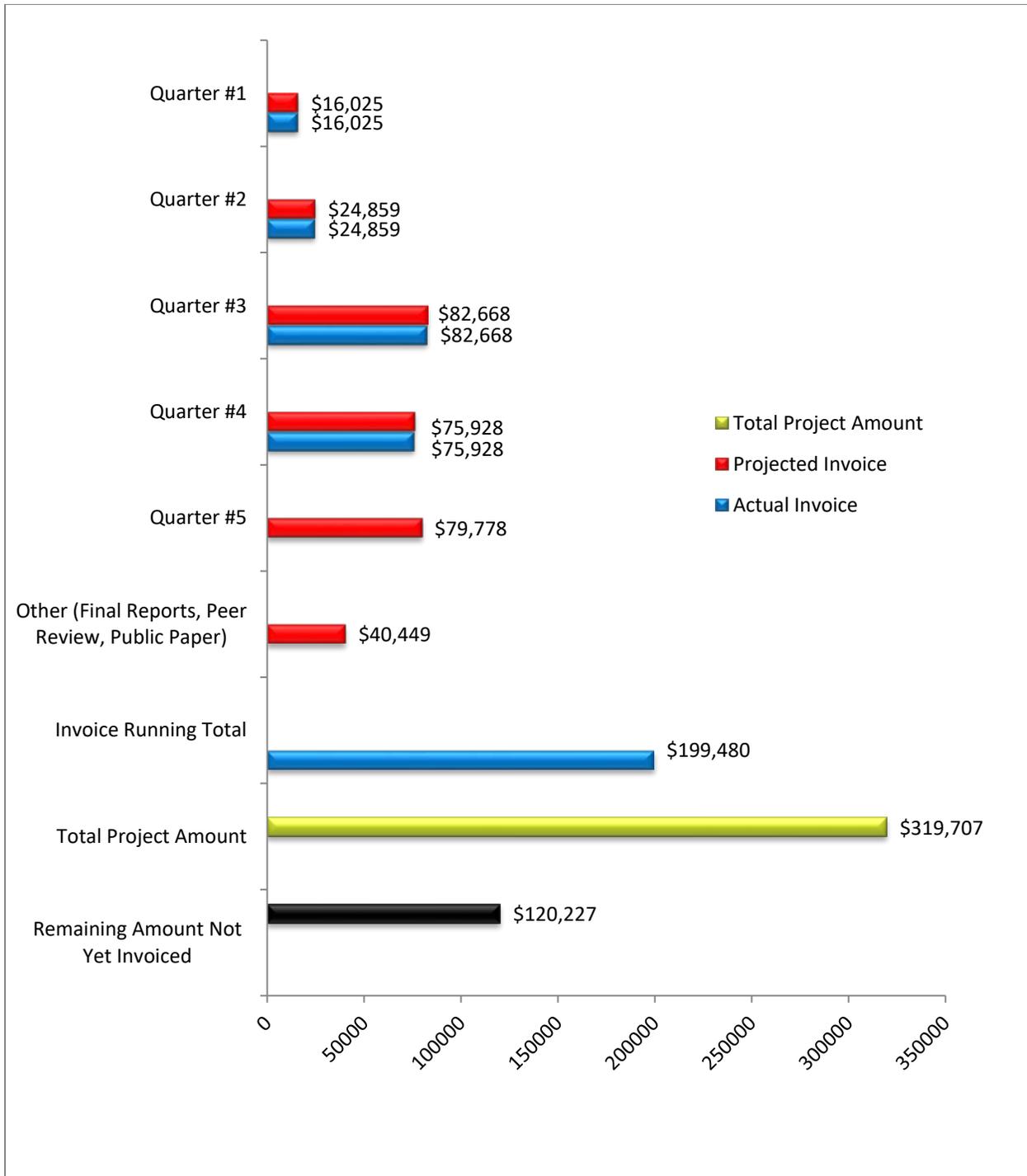


Figure 1. Quarterly Payable Milestones/Invoices

4: Project Technical Status

Activity: Task 4 – Summary of Uncertainty of Effectiveness of Mitigation Measures

The project team submitted the project deliverable entitled *Summary of Uncertainty of Effectiveness of Mitigation Measures* as a result of Task 4 activities. The results of this deliverable were discussed with PHMSA’s Agreement Officer Representative and members of the project Technical Advisory Panel (TAP) during a virtual meeting on September 29, 2020.

Activity: Task 5 – Summary of Recommended Methods to Implement Mitigation Measures in Modeling

The project team submitted the project deliverable entitled *Summary of Recommended Methods to Implement Mitigation Measures in Modeling* as a result of Task 5 activities. The results of this deliverable were discussed with PHMSA’s Agreement Officer Representative and members of the project Technical Advisory Panel (TAP) during a virtual meeting on September 29, 2020.

Activity: Task 9 – Project Management

The project team continued working on Task 9:

- Communicated with additional LNG facility operators to inquire about their potential interest in joining the project’s Technical Advisory Panel.
- Submitted a written request to present the project results at a gas industry conference that is scheduled to occur in April 2021.
- Began preparing for a project Peer Review virtual meeting that is scheduled to occur on October 14, 2020.
- Submitted fourth quarterly report.

5: Project Schedule

The project is on track and no changes in the project schedule are anticipated. The project schedule is shown in Figure 2, which contains no revisions or changes from the prior version. The project team remains highly engaged, with no changes in project team personnel.

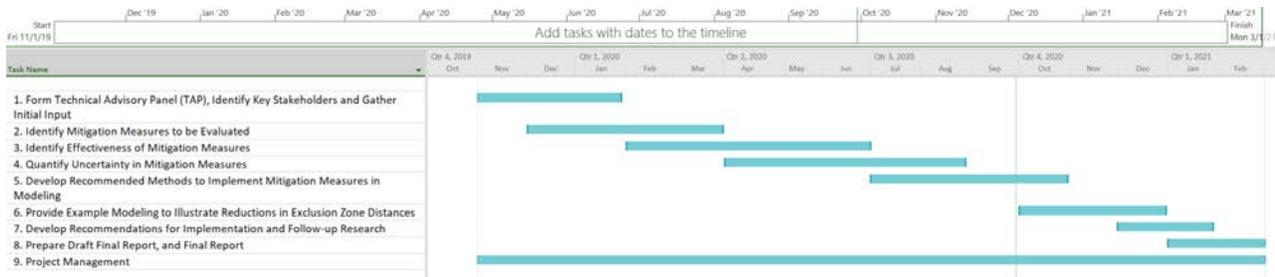


Figure 2. Project Schedule

END OF REPORT