



5th QUARTERLY REPORT – PUBLIC
GTI PROJECT NUMBER 22418

Consistency Review of Methodologies for Quantitative Risk Assessment

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U.S. Department of Transportation
Pipeline and Hazardous Materials Safety Administration
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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. One item *Summary of QRA Results* was submitted one month prior to the expected completion date.

Item #	Task #	Activity/Deliverable	Payable Milestone Title	Federal Cost	Cost Share
15	4	Perform QRAs on Representative Generic LNG Facilities	Summary of QRA Results	\$213,333	\$0
14	9	5th Quarterly Status Report	Submit 5th Quarterly Report	\$7,397	\$0

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.

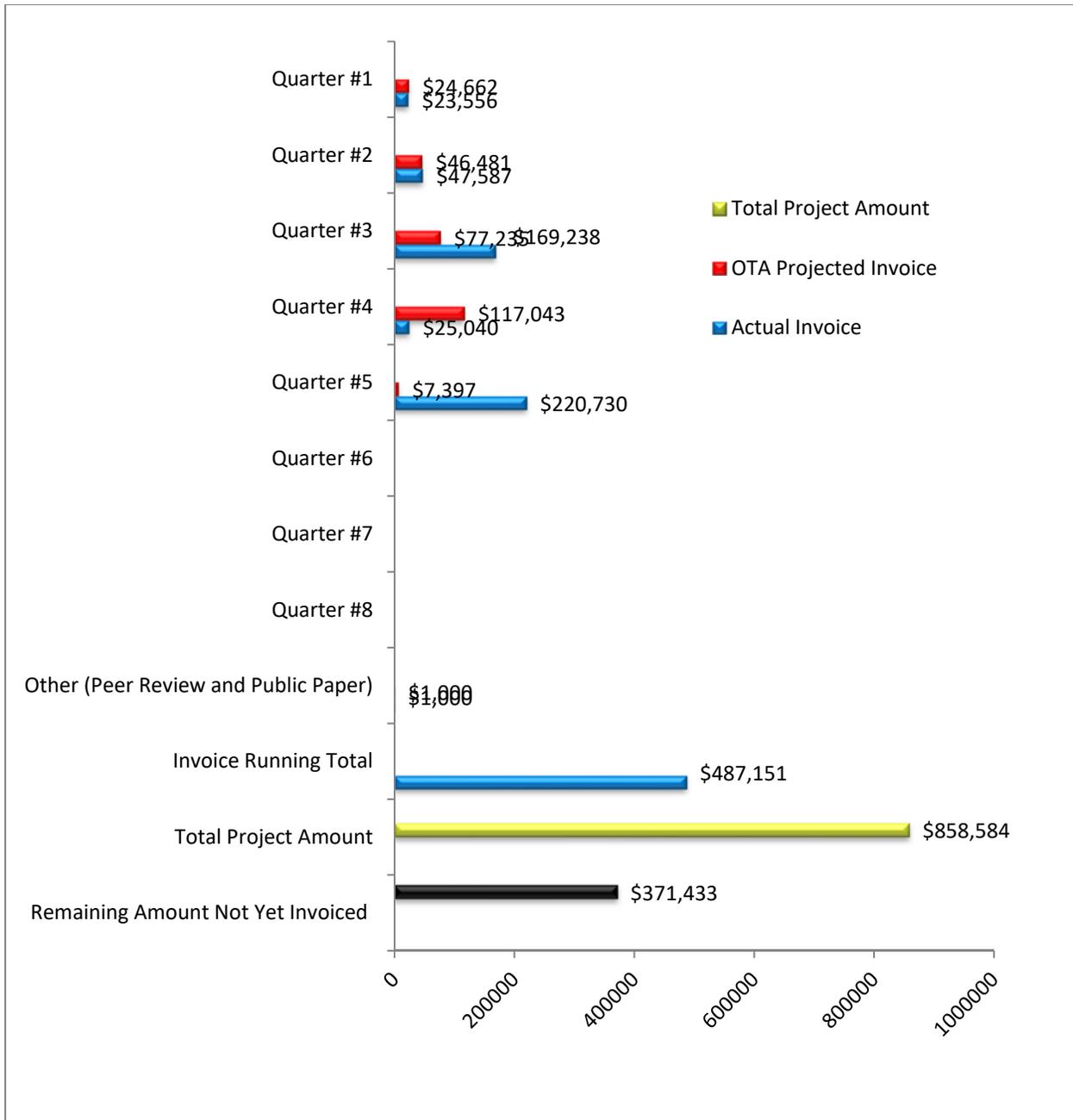


Figure 1. Quarterly Payable Milestones/Invoices

4: Project Technical Status

Activity: Task 4 – Perform QRAs on Representative Generic LNG Facilities

The project team continued working on Task 4:

- Finalized the development of and submitted to PHMSA the *Summary of QRA Results*.

Activity: Task 5 – Perform Sensitivity Analysis to Refine QRA Methodology

The project team began working on Task 5:

- Began refining the sensitivity factors to be considered in the sensitivity analysis, in support of developing the *Summary of Results of QRA Sensitivity Analysis*.

Activity: Task 9 – Project Management

The project team continued working on Task 9:

- Held periodic internal project team calls on a regular basis - - typically every 3 weeks although sometimes more frequently.
- Arranged timing of next phone call with project Technical Advisory Panel (TAP), to be held in November.
- Submitted fourth quarterly report on 10/31/19.

5: Project Schedule

The project team’s efforts to advance the project schedule are summarized below:

- The project is ahead of schedule.
- The overall schedule shown in Figure 2 remains on track and no changes in the project schedule have been required.
- The project team remains highly engaged and stable (with no changes in personnel).

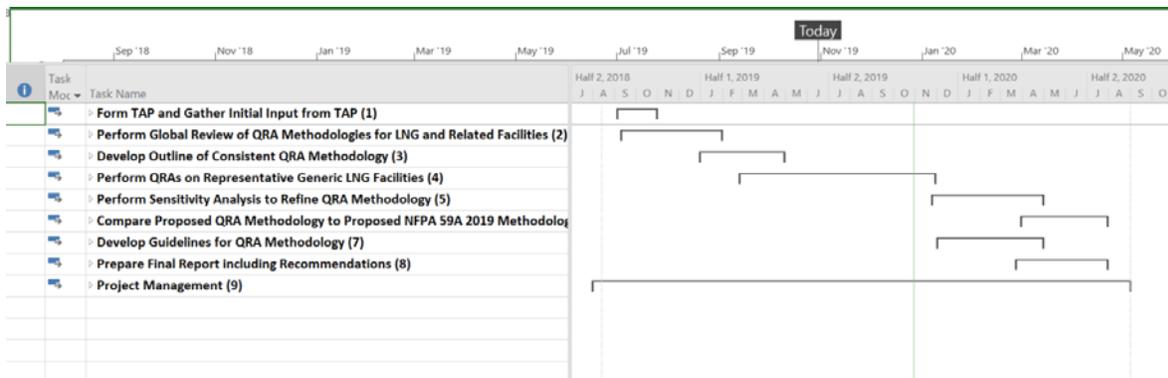


Figure 2. Project Schedule

END OF REPORT