

Quarterly Report – Public Page

Date of Report: 2st Quarterly Report, March 31, 2023

Contract Number: 693JK32210009POTA

Prepared for: Government Agency: DOT and Co-funders

Project Title: Innovative Leak Detection Methods for Gas and Liquid Pipelines

Prepared by: Pipeline Research Council International, Inc.

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For quarterly period ending: March 31, 2023

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	5	<i>Development of simulated systems with measurement errors and simulated leaks</i>	<i>Results to be included in quarterly report</i>	\$10,220	\$5,110
4	3	<i>Host site review checklist development</i>	<i>Results to be included in quarterly report</i>	\$8,426	\$4,213
5	1	<i>Literature review and compendium update</i>	<i>Literature review compendium</i>	\$10,248	\$5,124
8	1	<i>Quarterly project management & status update</i>	<i>Submit 2nd quarterly report</i>	\$4,866	\$2,433

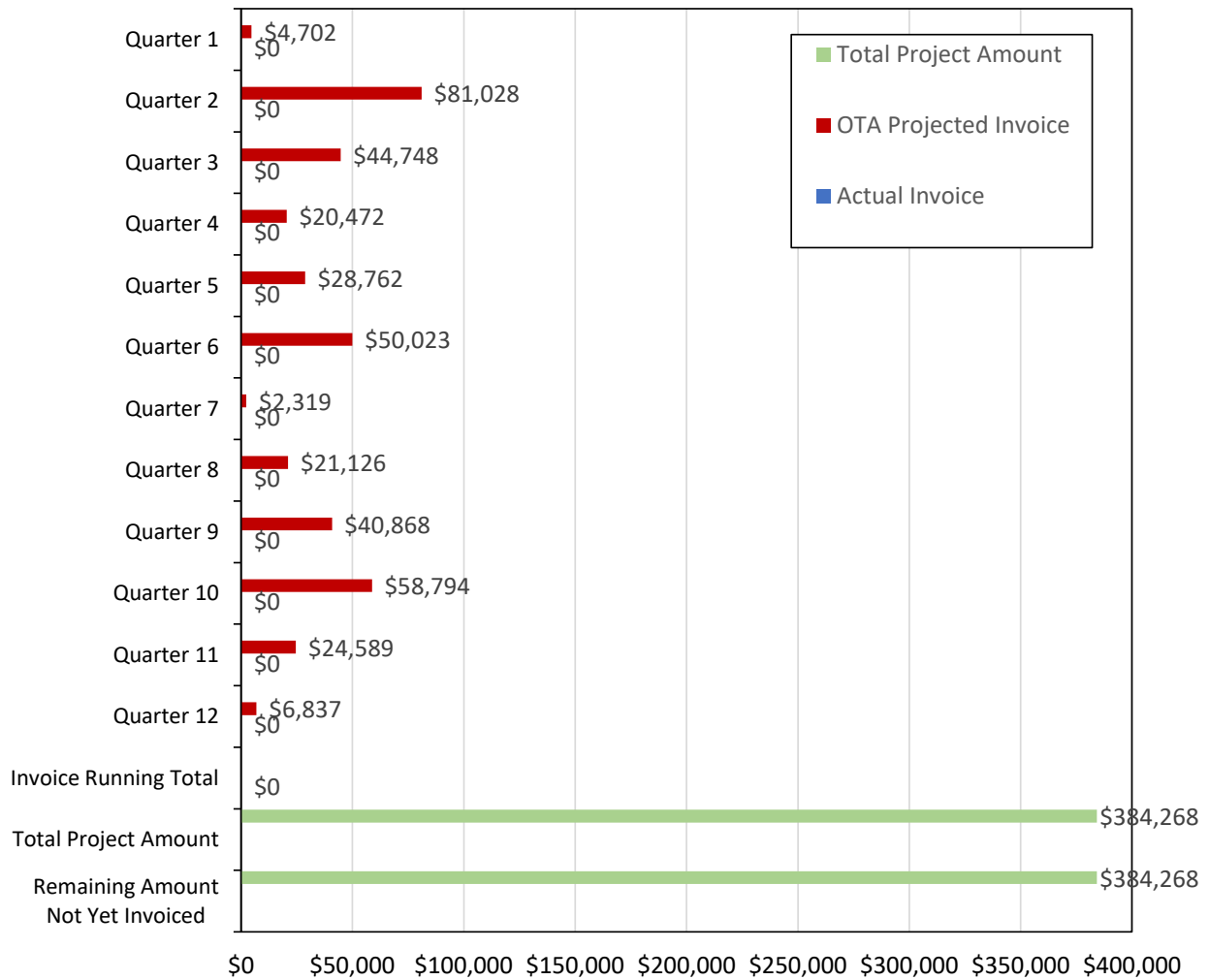
2: Items Not Completed During this Quarterly Period:

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>	<i>Federal Cost</i>	<i>Cost Share</i>
6	2	<i>Inline flow measurement selection guidelines</i>	<i>Inline flow measurement guideline</i>	\$40,352	\$40,352
7	4	<i>PODS draft SCADA interface data model</i>	<i>Results to be included in quarterly report</i>	\$23,796	\$23,796

3: Project Financial Tracking During this Quarterly Period:

Note that this chart reflects Federal share only.

Quarterly Payable Milestones/Invoices - 693JK32210001POTA



4: Project Technical Status –

Payable Milestone	Item No.	Task No.	Activity/Deliverable	%Complete	Note
	2	3	5 Development of simulated systems with measurement errors and simulated leaks	100%	Completed
	2	4	3 Host site review checklist development	100%	Completed
	2	5	1 Literature review and compendium update	100%	Underway
	2	6	2 Inline flow measurement selection guidelines	65%	Work is underway. The report will be more comprehensive than originally planned. No additional costs will be charged to the project.
	2	7	4 PODS draft SCADA interface data model	10%	Work was started but has been halted as the model should be built upon lessons learned from receiving and processing the operator data. This is not expected to alter the planned completion date of the project.
	2	8	1 Quarterly project management & status update	100%	Completed

Activities and completion percentage is summarized in the following table:

Additional information on tasks actively underway or completed this period:

- Item 3: Development of a simulated system has been completed. Work was started in analyzing the simulated system (item 10) and identified errors in the independently supplied data. A second set of data has been received but not yet analyzed.
- Item 4: has been completed, the non-disclosure agreement from the host site has been received. The host site is still determining what portions of their system will be included in the evaluation which may delay the field visit.
- Item 5: A literature review has been completed and is being submitted with this report.

- Item 6: A guidance document to aid in the selection of inline flow measurement for system segmentation purposes has been rescope and will be more comprehensive than originally planned. PRCI will absorb any extra costs to perform the additional work but the delivery of this document will be delayed. It is expected to be completed by the end of 2023Q3.

Overall, the project is estimated at 14% complete which is ahead of plan of 1.0% by end of project Q2.

5: Project Schedule –

The project is slightly ahead of schedule on a work completed basis.