

## Quarterly Report – Public page

**Date of Report:** 7th Quarterly Report – May 5, 2020

**Contract Number:** 693JK31810002

**Prepared for:** DOT

**Project Title:** On-Board Power and Thrust Generation for the Explorer Family of Robots for the Inspection of Unpiggable Natural Gas Pipelines

**Prepared by:** Northeast Gas Association

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**For quarterly period ending:** April 30, 2020

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

During this 7<sup>th</sup> Quarter the following tasks were completed.

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>	<i>Federal Cost</i>	<i>Cost Share</i>
27	2-G	Technical management of project	Consultant	\$5,220	\$10,440
28	3-G	Submit 7 <sup>th</sup> quarterly report	NYSEARCH project management	\$6,820	\$13,604

We continue to work on Task 1.7 Explorer Integration Task 1.7-B due for completion in the next quarter).

As seen the project is on schedule.

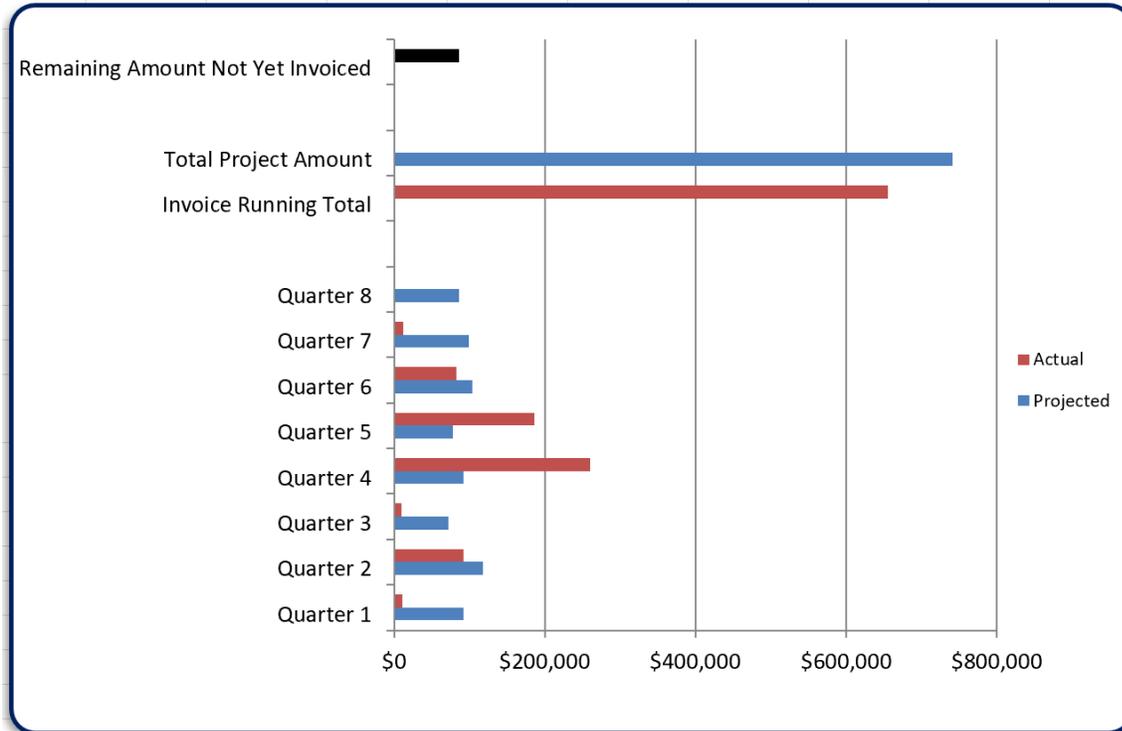
### 2: Items Not-Completed During this Quarterly Period:

The project is on schedule.

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

A workscope and budget modification was submitted in the third week of January requesting a timeline extension by three quarters and additional resources so we can complete additional workscope focusing on delivering a better system, able to meet commercial grade standards. We are awaiting for PHMSA’s official response. The program is nearing completion of its original workscope.

## QUARTERLY PAYABLE MILESTONES/INVOICES - 693JK31810002



### 4: Project Technical Status

#### *Task 1.7-B: Explorer Integration*

Work has been initiated on this task, which is scheduled for completion in the next quarter. Following the field testing of the system, reported in the previous quarterly report, changes to the system (and the corresponding Explorer robot systems) are being considered in order to increase its performance. We are revisiting two issues mainly:

- (a) the pressure regulation design: a number of concepts have been considered to improve the response time and ruggedness of the pressure regulator.
- (b) the barrier design: a number of concepts have been considered to improve the durability and ruggedness of the barrier, part of which broke off during the field test. We expect to make final concept selection in the next quarter.

### 5: Project Schedule

The project is on schedule.