

Vermont Gas Systems, Inc.
 FY2022 Expense Projects & Capital Investments exceeding \$100K
 Approval & Spec Sheet

Date: 12/4/2020

Project Name & Owner: Misc. MLV Replacement - Christopher LeForce Project & Work Order (project task) Number(s): No Project created yet, will be under 3670

Submitted by & Department: Christopher LeForce - Department 3040 Transmission Maintenance

Project Summary & Benefit: Replacement of the 10-inch Mainline Valve at an unknown location. This project is to replace an existing 55 year old gate valve with a new full open ball valve, 4" bypass pipe, and 4" blow down stacks. There are multiple valves on the 10-inch that need to be replaced and the condition of each will be assessed before design work is started.

Schedule/Timing of In-Service: Planning and Design - Oct./Nov. 2021, Order Materials & Fabrication - Dec. 2021-April 2022, Install June/July 2022, In service Aug./Sept. 2022.

What type of cost? Capital Expense

Other Notes (include business case and estimated useful life of capital purchase):
 The original 10-inch mainline valves are seeing the end of their useful life and Operations would like to replace all of them in the next 5-7 years. One has been replaced at Carter Hill Road, one will be replaced at Beebe Road in 2021, and one will be removed from the system at Swanton Gate in 2021. The usefulness of the new mainline valve could be for the next 50 years, as long as they are maintained. The installation of a new mainline valve will be helpful in running ILI tools in the existing 10-inch transmission line to better understand the condition of the 55+ year old pipeline. Prior ILI investigations demonstrated that investment in valves will improve the probability of success for the full suite of ILI tools to successfully run through the pipeline in future inspections.

Assessment of Alternatives
 The alternative would be keep the old valves in place and wait until they failed to replace them. The existing original mainline valves are seeing the end of their useful life and should proactively be replaced over the next 5-7 years.

BUDGET (add lines as needed)

Vendor	Product/Service	Type Of Known & Measurable Documentation Provided	Label on Documentation Found within Backup Folder	Capital Spend	FY2022 Expenses	Total
TriMont or similar	Engineering/Design	Previous quote for a similar project	TriMont Design Proposal - Beebe Rd MLV 2020 0930.pdf	\$12,500		\$12,500.00
Mulholland or similar	Construction	Previous quote for a similar project	Mulholland Welding & Fabrication RFP VGS2019-04.pdf	\$198,000		\$198,000.00
TDW	Gas Stopper (TDW)	Previous quote for a similar project	TDW Services Quote 2019 0913.pdf	\$98,283		\$98,283.00
Mulholland or similar	Electrical	Previous quote for a similar project	Mulholland Welding & Fabrication RFP VGS2019-04.pdf	\$11,443		\$11,442.50
VHB or similar	Environmental	Previous quote for a similar project	VHB Proposal SBR_Launcher_CA Updated.pdf	\$7,000		\$7,000.00
Various Vendors	Materials	Cost data from a similar project	Misc MLV Budget 2020 1204.xlsx	\$111,189		\$111,189.27
TDW	Materials - Stopper (TDW)	Previous quote for a similar project	TDW Materials Quote 2019 0318.pdf	\$12,528		\$12,528.00
JDH or similar	NDT	Cost data from a similar project	Misc MLV Budget 2020 1204.xlsx	\$29,564		\$29,563.50
JDH or similar	Inspection	Cost data from a similar project	Misc MLV Budget 2020 1204.xlsx	\$5,667		\$5,666.50
Liberty Propane or similar	Propane Hold for Farm Tap	Cost data from a similar project	Misc MLV Budget 2020 1204.xlsx	\$788		\$788.18
Internal Components of Budget (if applicable):						
VGS labor	Labor to build/install XXXXXX	Cost data from a similar project	Misc MLV Budget 2020 1204.xlsx	\$11,351		\$11,350.90
VGS Overhead	VGS Overhead - Benefits, TR, DO (61.0%)			\$6,924		\$6,924.05
VGS - Administrative	VGS administrative overhead (36.79%)			\$185,885		\$185,884.75
						\$0.00
PROJECT TOTALS				\$691,121	\$0	\$691,121
Contingency (20%)				\$138,224	\$0	\$138,224
PROJECT TOTAL, INCLUDING CONTINGENCY				\$829,345	\$0	\$829,345

Prior to Spend/Contract Commitment
 All projects over \$100,000 must be presented and approved by the Project Steering Committee

Subsequent approval, if required based upon the criteria below:
 If the project RE-forecast is greater than 15% or \$25,000 (unless otherwise assigned) over the original budget and/or the schedule has shifted into a new fiscal year, the project must be presented to the VP, of that area for additional approval.
 If the re-forecast is greater than \$250,000 the project must be presented to the VP of Finance for additional approval

Threshold if otherwise assigned		Variance > \$25,000	Variance > 15%
Updated Forecast Project Total:	\$829,345	0	0%
Schedule:			
Vice President (as applicable)			
VP, Finance (as applicable)			