Vermont Gas Systems, Inc.

FY2023 Expense Projects & Capital Investments exc	eeding \$100K						
Approval & Spec Sheet Date:	1/3/2022						
Project Name & Owner:	Winooski Gate Boiler Replacement, Steve Miner	Project & Work Order (project task) Number(s):	TBD				
Submitted by & Department:	Christopher LeForce, Transmission Maintenance						
Project Summary & Benefit:	The project is to install two new boilers at the Winooski Gate Station. The boilers are approximately 15 years old and are in need of replacement. They are a piece of equipment that are used throughout the entire year to heat the gas coming into the gate station. This is also one of our largest gate stations so a lot of gas goes through it. When gas is regulated down in pressure, it loses 7 degrees F. of temperature per 100 psi. At Winooski Gate, the gas can be regulated down as much as 400-500 psi, which would cause a temperature drop of 28-35 degrees F. The gas typically is delivered to the VGS system at 40 degrees F. Without heat, the gas would be below the freezing temperature and can cause damage and issues to the operation of the equipment at the gate station and beyond. The gas is heated before regulation to avoid any freezing issues.						
Schedule/Timing of In-Service:	Start ordering materials and equipment in the Fall of 2022. Install in early Summer 2023. In service late Summer 2023						
What type of cost?	✓ Capital Expense						
Other Notes (include business case and estimated	useful life of capital purchase):						
	Useful life will be approximately 15-20 years, depending on the type of	of boiler purchased. The higher efficiency boilers will be on the lo	ower end, which is what we plan to purchase.				
Assessment of Alternatives			needed, as explained above. Installing another type of heating equipment would he more costly and may reduce the efficiency at the gate station. Replacing just				

BUDGET (add lines as needed)

			Label on		FY2023	
Vendor	Product/Service	Type Of Known & Measurable Documentation Provided	Documentation Found	Capital Spend	Expenses	Total
Cooper Mechanical	Boiler Replacment	Quote from 11/18/2021. Adjusted for inflation.	3690 - Winooski Gate Boile	\$110,857.74		\$110,857.74
				\$0.00		\$0.00
						\$0.00
						\$0.00
Internal Components of Budget (if applicable):						\$0.00
VGS labor	Piping / Start up	Two weeks of labor for two technicians.	3690 - Winooski Gate Boile	\$6,339.20		\$6,339.20
VGS Overhead	VGS Overhead - Benefits, TR, DO (59.73%)			\$3,786.40		\$3,786.40
VGS - Administrative	VGS administrative overhead 34.19%)			\$40,069.63		\$40,069.63
						\$0.00
PROJECT TOTALS				\$161,053	\$0	\$161,053
Contingency (20%)				\$32,211	\$0	\$32,211
PROJECT TOTAL, INCLUDING CONTINGENCY				\$193,264	\$0	\$193,264

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		Verience x 635 000	Verience > 15%						
Updated Forecast Project Total:	\$193,264	Variance > \$25,000 0	Variance > 15% 0%						
Schedule:									
Vice President (as applicable)									
VP, Finance (as applicable)									