GAS PROGRAM INDIVIDUAL PROJECT SUBMITTAL FORMS

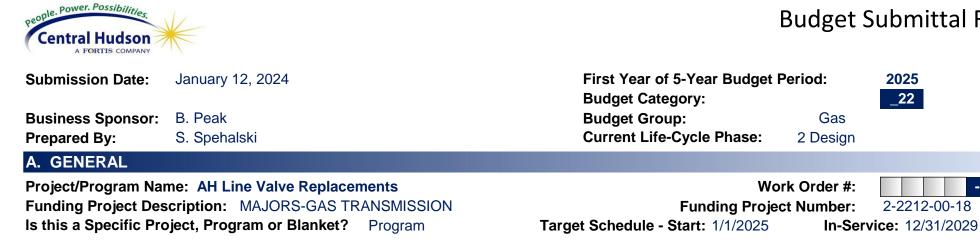
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2025

22

2-2212-00-18



Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work:

Remove and replace the existing gas transmission line valves on the 10" steel AH Line. New installations shall allow for passage of internal inspection tools and be easily operable by field crews.

Describe specific scope exclusions, assumptions and constraints:

Outage duration on the transmission main must be minimized. Assumes available parcel/property for installation.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? None, in order to allow for the passage of internal inspection tools and be easily operable by a mechanic, the valves must be replaced.

Why was the proposed project scope chosen over other alternatives? N/A

Budget Submittal Form

Transmission Sustaining

Is there an Innovation Component? No

Infrastructure

C. JUSTIFICATION

Load Based/Infrastructure:InfrastructureDiscretion Level:Maintain System Standards

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Central Hudson performs an annual inspection of all gas transmission line valves. The replacement schedule for line valves may change in priority due to the annual inspection findings. AH Line valves have been identified for scheduled replacement due to service design as well as age.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Increasing the safety and reliability of the gas transmission system by replacing aging infrastructure and implementing new functionality.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (*CATS-4220, 4222, 4230, 4235, 44*):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component:
 Yes

 Social Component:
 Yes

 Governance Component:
 Yes

 Is complete Sustainability status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

Operational Excellence Improve system performance and resilience Business & Operations Modernization/Transformation PSC Gas Safety

Growth/Sustaining/Retirement:

Investment Type:



CLICK HERE



What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?YesIf No, why should this project be completed instead of a planned project?N/A

Why do we need to complete this project in the period requested?

Central Hudson performs an annual inspection of all gas transmission line valves. The replacement schedule for line valves may change in priority due to the annual inspection findings. AH Line valves have been identified for scheduled replacement due to service design as well as age. Also to meet the TIMP compliance targets, these projects must be completed.

What are the risks and consequences of not completing this project?

Failure or inoperability of a line valve, leading to safety concerns and/or regulatory liabilities and violations.

Is this Project in Central Hudson's current approved rate case? Approved as a Program.							
Is this Project tied to a regulatory requirement? Internal inspection of pipelines per TIMP Plan.							
Does this Project result in cost avoidance, cost savings	, or additional re	evenue for Central Hudson?		No			
Does this Project enhance Central Hudson's customer experience or service delivery?							
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Allows for future remote operability.							
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Allows for future remote operability.							
Prioritization Ranking*		•					
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.	↑ VERY HIGH						



D. COST ESTIMATE

\$6,681,000Prior Years Actuals + ProjectionsYear 1Year 2Year 3Year 4Labor (Weekly Payroll)02025202620272028Labor (Monthly Payroll)0December 10	Year 5 2029	Future Years				
Labor (Monthly Payroll) 0						
A Stock Materials 0						
D A/P Non-Stock Material 0						
A/P Contractors & Other 5,850,000 650,000 1,950,000 1,300,00	0 1,300,000					
T Inflation 403,000 14,000 27,000 122,000 107,00	0 133,000					
¹ AFUDC* 236,000 23,000 23,000 85,000 63,00	0 42,000					
O Journal Vouchers (JVs) 0						
CIAC Payments CREDIT 0						
Joint Utility Payments CREDIT 0						
TOTAL ADDITIONS: 6,489,000 0 687,000 700,000 2,157,000 1,470,00	0 1,475,000	0				
Labor (Weekly Payroll) 0						
E Labor (Monthly Payroll) 0						
T A/P Non-Labor (dumpsters, etc.) 0						
I A/P Contractors 192,000 20,000 21,000 64,000 43,00	0 44,000					
Cverheads 0						
Journal Vouchers (JVs) 0						
E Salvage CREDIT 0						
N CIAC Payments CREDIT 0						
Joint Utility Payments CREDIT 0						
S TOTAL REMOVALS: 192,000 0 20,000 21,000 64,000 43,00	0 44,000	0				
* AFUDC may require adjustment after Finance Department review.						
Expense \$ (if applicable): 0	and the second sec					
Current Approved Rate Case Funding (\$): n/a* n/a* n/a* n/a*						

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Conceptual **High Confidence Cost Estimate Confidence:** (that final cost will be within +/-30% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 8,685,300 4,676,700 overwritten if desired. No explanation on confidence level required. Historical Data + Job Specific Adjustments; Historical Proforma Pricing Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? Yes

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Used actual labor and material costs for completing project of similar scope on the same property the year prior. Used historical pricing for piping, equipment, and peripherals.

Memo



Central Hudson Gas & Electric

To: Joseph Koberger
From: Steven Spehalski
Date: 4/11/2024
Re: AH Line Valve Replacement Program – Funding Project 2-2212-00-18

The AH Line Valve Replacement Program is a capital budget program within Central Hudson's (CHGE) Category 22 – Gas Transmission budget category. This memo provides continued support for the program included in the capital budget portfolio for 2025 and beyond at the requested funding amounts.

Program History and Description:

Central Hudson's TP (Tuxedo-Poughkeepsie) Line Valve Replacement Program began in 2003 and was completed in 2015. This program's main objective was to improve the reliability and operability of the valves by raising the original below-grade line valves to an above-grade configuration, while also modernizing and standardizing the valve materials to full port ball valves. The AH (Albany-Highland) Line Valves are the next set of line valves within CHGE's transmission system requiring replacement and modernization. The AH Line Valve program began in 2015 upon conclusion of the TP Line Valve Replacement Program. In similar manner, the AH Line Valve Replacement Program aims to increase safety and reliability of the gas transmission system while also maintaining important functions paramount to adherence to the Pipeline Integrity program put into practice in 2005. The valves being replaced have reached or are near the end of their useful life as many of them are of original construction vintage, dating back to over 65 years. Through this program's progression, the use of robotic inspection technology has been realized to provide better integrity evaluation.

Newly installed line valves will not only prepare the assembly for robotic inline inspection tool launches but also for remote operated valve (ROV) capabilities. The replacement valves are trunnion mounted ball valves with gear reduction operators, allowing for easier operability than the existing plug valves. This allows the operator to be easily and efficiently retrofitted with a remote-controlled actuator. These adaptations to aging infrastructure are necessary for the continuous improvement of the safety and reliability of our gas transmission system and compliance with future regulations.

Currently, there are twenty-three (23) valves on the AH Line, twenty-one (21) of which were originally designated for replacement in the program. To date, eleven (11) of the identified valves have been replaced and currently there are ten (10) valves remaining in the program.

Valve	Scheduled	Completed
AH1	2030	
AH2	2026	
AH2 AH3	2028	
AH4	2028	
AH5	2027	
AH6	2027	
AH6A	N/A	N/A
AH7	2027	
AH8		2017
AH9	2025	
AH10		2021

AH10A	N/A	N/A
AH11		2023
AH12	110	2023
AH13	122	2023
AH14	442	2023
AH15	2029	93 74 75
AH16	2029	1222
AH17	 .	2020
AH18		2019
AH19		2015
AH20	112	2015
AH21	122	2017

Project Prioritization:

After each annual inspection of transmission line valves, feedback from Gas Operations may solicit a reprioritization of replacement projects. Pipeline Integrity feedback is also considered as there are other factors such as robotic pig launching schedules and remote operation necessities, which will also affect the schedule.

Project Expenditures and Budget:

Each line valve replacement project within the program aligns with the Category 22 capital budget plan by accounting for ROV funding line item and valve replacement funding line item from the 5-year forecast. These two budget items are added together to obtain the total project cost for a single line valve replacement. Using historical data from previous projects and adjusting for inflation, the following pro-forma cost estimates are used for the capital budget. It should be noted that the pro-forma cost estimate is lower than the current capital budget plan request for a given sample project. This is because the pro-forma is based on historic projects, and historically the cost of the ROV actuator installation was not included since the program, rather it was intended as a "make ready" for ROV as opposed to a full implementation of ROV. Moving forward 2025 and beyond, this scope is included in the project estimates and the full ROV actuator functionality will be completed as a goal of this ongoing line valve replacement program.

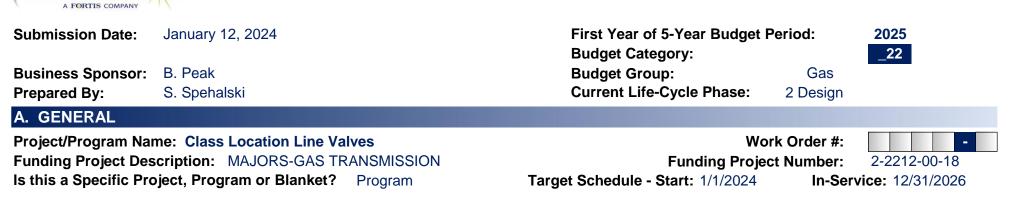
Project	WO#	Year	Total Cost	2024 Cost w/ Inflation*	Average	Proforma	Notes
AH10	6417A	2020	\$733,244.00	\$871,413.06			
AH18	7687A	2018	\$316,512.00	\$387,521.79			
AH17	7685A	2019	\$409,027.00	\$492,421.46	\$757,070.59	\$760.000.00	Rounded to nearest \$10K
AH12-13-14	7982A	2023	\$1,310,000.00	\$1,340,130.00	çı or jor oloo	<i>,,.</i>	
AH11	3462A	2023	\$560,803.00	\$573,701.47			
TP4A	3493A	2023	\$857,513.00	\$ <mark>877,235.80</mark>			

Steven Spehalski

St.R. Sehll.

Section Engineer, Gas Engineering Transmission, Regulator Stations, and Production





Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work: Install additional transmission line values.

Describe specific scope exclusions, assumptions and constraints: Outage duration on the transmission main must be kept to a minimum.

B. ALTERNATIVES

nle. Power. Possibilitie

Central Hudson

What other options were considered to the proposed project to meet the objective? Reclassification/assessment of High Consequence Areas along the pipe corridor in order to make existing valve spacing acceptable. But this was not successful.

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$



C. JUSTIFICATION

Load Based/Infrastructu	ire: Infrastructure	Growth/Sustaining/Retirement:	Transmission Sustaining
Discretion Level:	Non-Discretionary	Investment Type:	Compliance
		Is there	an Innovation Component? No
Needs Assessment	Regulatory		

us Assessment. Regulatory

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value?	N/A
Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachme	ents.
Additional line valves must be installed in accordance with NYCRR 255.179(a) requirements.	
https://centralhudson.sharepoint.com/:w:/r/sites/GasMech/Budgets/Capital/5%20Year%20Forecast/2024-	
2028%20Capital%20Budget/supporting%20docs/Class%203%20Location%20Valve%20Spacing%20Beyond%202%20Miles%20Memo%2	20(12-8-

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Increasing the safety and reliability of the gas transmission system by installing additional mainline isolation valves and implementing new functionality.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which Strategic Theme does project most align with? Which Strategic Objective does project most align with? Which Strategic Initiative does project most align with? Which Team Goal does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Operational Excellence Improve system performance and resilience Business & Operations Modernization/Transformation **PSC Gas Safety**

CLICK HERE

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Select all that apply

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: Yes **Environmental Component:** Yes **Social Component:** Yes **Governance Component:** Yes

Is complete Sustainability status achieved by this project?* Yes



What is the relative urgency of this project? In Was this project included in a prior 5-year forect	ast?	, , , ,	commend commencement with Yes	hin next 12-months.
If No, why should this project be completed inst N/A	tead of a plan	ned project?		
Why do we need to complete this project in the Compliance with TIMP program.	period reque	sted?		
What are the risks and consequences of not cor N/A	mpleting this	project?		
Is this Project in Central Hudson's current appro	oved rate cas	e?		No
Is this Project tied to a regulatory requirement? Line valve spacing requirements				Yes
Does this Project result in cost avoidance, cost	savings, or a	dditional revenue for	Central Hudson?	No
Does this Project enhance Central Hudson's cus	stomer exper	ience or service delive	ery?	No
Does this Project reduce risk, debt, or vulnerabi	ilities (i.e. tec	hnology, cybersecurit	y, legal, infrastructure, etc	.)? No
Does this Project improve or enhance safety for Decreased intervals between line valves in the even			actors or the public?	Yes
Prioritization Ra			\bullet	
* Prioritization Ranking is intended to be high level ar not intended to differentiate between projects with the same prioritization question responses.		Y		VERY LOW



D. COST ESTIMATE

	Capital Estimate Summary	Year 1 = 1si 5-year bu				cost estimates sho adjustments for in			
	\$1,428,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
10.00	A/P Contractors & Other	1,300,000		650,000	650,000				
	Inflation	41,000		14,000	27,000				
	AFUDC*	46,000		23,000	23,000				
0	Journal Vouchers (JVs)	0							:
N -	CIAC Payments CREDIT	0					-		
3	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	1,387,000	0	687,000	700,000	0	0	0	0
	Labor (Weekly Payroll)	0							
E	Labor (Monthly Payroll)	0						_	
Т	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	41,000	0	20,000	21,000				
R	Overheads	0							
M	Journal Vouchers (JVs)	0		3 <u>-10-</u> 3					
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0		- 20	9 S				
	Joint Utility Payments CREDIT	0							
S	TOTAL REMOVALS:	41,000	0	20,000	21,000	0	0	0	0
	AFUDC may require adjustment after Finance Depar	tment review.							-
	Expense \$ (if applicable):	0							
С	urrent Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.

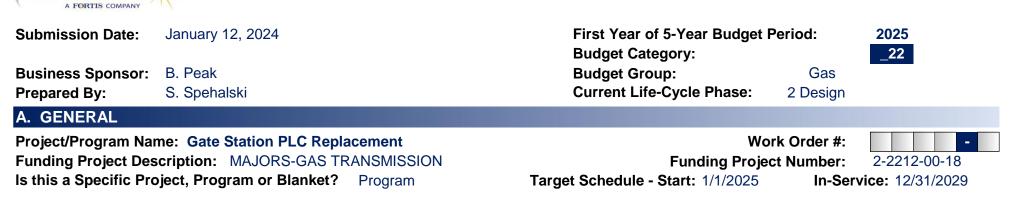


Budget Status: Not included in current PSC-approved budget plan **Cost Estimate Level:** Preliminary High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-20% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 1,713,600 1,142,400 overwritten if desired. No explanation on confidence level required. Historical Data + Job Specific Adjustments Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? Yes

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Used actual labor and material costs for completing project of similar scope on the same property the year prior. Used historical pricing for piping, equipment, and peripherals.





Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work:

Replace the existing PLC/RTU SCADA systems at each gate station.

Describe specific scope exclusions, assumptions and constraints: Assumption - outage at the gate station is available during the proposed construction window.

B. ALTERNATIVES

ale. Power. Possibilitie

Central Hudson

What other options were considered to the proposed project to meet the objective? Obtain new old stock replacement parts. This method was dismissed since it would only prolong the project and increase risk.

Why was the proposed project scope chosen over other alternatives? Lowest risk option.



Growth/Sustaining/Retirement: Transmission Sustaining Investment Type: Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. The current control systems at the gate stations are now obsolete and unsupported by the manufacturer. There are no spare parts available. In order to maintain reliability of the gas transmission system, they must be replaced with fully supported units.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Increasing the safety and reliability of the gas transmission system by replacing aging infrastructure and implementing new functionality.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Infrastructure

Maintain System Standards

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (*CATS-4220, 4222, 4230, 4235, 44*):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component:
 Yes

 Social Component:
 Yes

 Governance Component:
 Yes

 Is complete Sustainability status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

Operational Excellence Improve system performance and resilience Business & Operations Modernization/Transformation PSC Gas Safety



Load Based/Infrastructure:

C. JUSTIFICATION

Discretion Level:

CLICK HERE



 What is the relative urgency of this project?
 Immediate
 Already in-progress or recommend commencement within next 12-months.

 Was this project included in a prior 5-year forecast?
 Yes

 If No, why should this project be completed instead of a planned project?
 Yes

 N/A
 N/A

Why do we need to complete this project in the period requested?

To reduce the risk of losing remote control functionality of 1 or more gate stations due to component failure.

What are the risks and consequences of not completing this project?

Increased risk of losing functionality of the gate station.

Is this Project in Central Hudson's current approved rate case?							
Is this Project tied to a regulatory requirement?				No			
Does this Project result in cost avoidance, cost saving	s, or additional	revenue for Central Hudson?		No			
Does this Project enhance Central Hudson's customer	experience or s	service delivery?		No			
Does this Project reduce risk, debt, or vulnerabilities (in Reduced risk of loss of supply.	.e. technology,	cybersecurity, legal, infrastruc	ture, etc.)?	Yes			
Does this Project improve or enhance safety for Centra Reduced risk of loss of supply.		oyees, contractors or the public	c?	Yes			
* Prioritization Ranking is intended to be high level and is	个	个	小				
not intended to differentiate between projects with the same prioritization question responses.	l VERY HIGH	I MEDIUM	l VERY LOW				



D. COST ESTIMATE

1	Capital Estimate Summary	Year 1 = 1si 5-year bu		All future year cost estimates should include applicable adjustments for inflation.					
	\$3,448,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
A	Stock Materials	0		_					
D	A/P Non-Stock Material	3,000,000		500,000	500,000	500,000	500,000	1,000,000	
	A/P Contractors &Other	207,000		11,000	22,000	31,000	41,000	102,000	
τ	Inflation	113,000		18,000	17,000	22,000	24,000	32,000	
1	AFUDC*	0							
0	Journal Vouchers (JVs)	0							
S	CIAC Payments CREDIT	0							
-	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	3,320,000	0	529,000	539,000	553,000	565,000	1,134,000	0
	Labor (Weekly Payroll)	0							
E	Labor (Monthly Payroll)	0							
Т	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	128,000		20,000	21,000	21,000	22,000	44,000	
R	Overheads	0							
M	Journal Vouchers (JVs)	0		1					
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0			9-04				
T	Joint Utility Payments CREDIT	0							
S	TOTAL REMOVALS:	128,000	0	20,000	21,000	21,000	22,000	44,000	0
* AFUDC may require adjustment after Finance Department review.									
2	Expense \$ (if applicable):	0							
	Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				
83		* Not applicable fr	or 2025-2029 budge	t process when	10				

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.

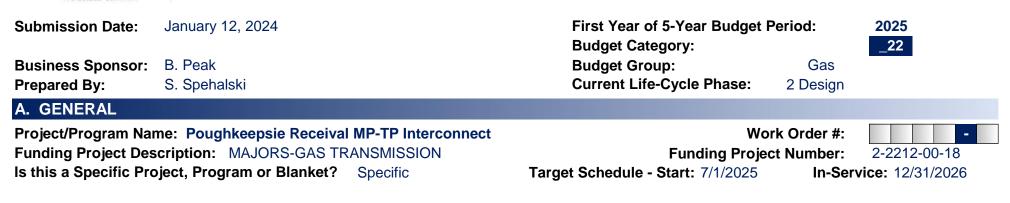


Budget Status: Not included in current PSC-approved budget plan							
Cost Estimate Level: Preliminary Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): High Confidence							
No further estimate range is required.	Formulas give standard ranges						
Cost Estimate Range:Minimum (\$):2,758,400Maximum (\$):4,137,600No explanation on confidence level required.	 per estimate level, but may be overwritten if desired. 						
Basis for estimate: Historical Data + Job Specific Adjustments; Vendor Generated Cost Estimate <i>(select all that apply)</i>							
Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?	No						

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): During the planning process, met with vendors who provided high level estimates for their solutions. Used pro-forma pricing for labor and ancillary materials.





Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work:

Replace the existing piping, valves, and peripherals that function as the interconnect between the TP and MP gas transmission systems. The new installation shall add functionality and system reliability by allowing the supply to the Poughkeepsie Receival Regulator Station to be sourced from either the TP or MP system. The new project shall incorporate a new R5-24 control valve, PLC/RTU electronics, and an overpressure protection monitor valve.

Describe specific scope exclusions, assumptions and constraints:

Assumption - replacement of the Poughkeepsie Receival Regulator station has been completed prior to beginning this project. Constraint - as this project is directly on the route of gas capacity delivery to electric generators and is the main source of capacity for the City of Poughkeepsie, the outage duration must be minimized.

B. ALTERNATIVES

ole. Power. Possibilities

Central Hudson

What other options were considered to the proposed project to meet the objective?

Partial replacements, such as piping only, or equipment only. Deferment of the electrical/PLC/RTU work was considered. Also replacement in kind versus the recommended upgrades to provide for operational flexibility.

Why was the proposed project scope chosen over other alternatives?

This interconnect is located at a critical location in the gas transmission system on the East side of the Hudson River Crossing of the TP Line, the interconnect with the MP line, and at the source of gas for the City of Poughkeepsie's three distribution systems. The proposed scope was chosen because of the criticality of the station, the need to minimize outage duration (multiple year projects), and also to improve safety and reliability by



Budget Submittal Form

C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure	Growth/Sustaining/Retirement:	Transmission Sustaining
Discretion Level:	Maintain System Standards	Investment Type:	Infrastructure
		Is there	an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. The MP-TP gas transmission interconnect is a primary source of gas capacity for the PN, PMP, and PLP gas distribution systems. The existing piping and equipment is antiquated, some with over 70yrs in service. The replacement of this infrastructure will increase reliability while adding additional operational flexibility by allowing the three distribution systems to be fed from either the TP or the MP transmission system. Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Increasing the safety and reliability of the gas transmission system by replacing aging infrastructure and implementing new functionality.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Operational Excellence Improve system performance and resilience Business & Operations Modernization/Transformation PSC Gas Safety

Select all that apply Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: Yes Environmental Component: Yes Social Component: Yes Governance Component: Yes

Is complete <u>Sustainability</u> status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

CLICK HERE



What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?YesIf No, why should this project be completed instead of a planned project?N/A

Why do we need to complete this project in the period requested?

To minimize impacts to the transmission system and also to maximize the capability of the newly constructed Poughkeepsie Receival Regulator Station the year prior.

What are the risks and consequences of not completing this project?

Increased risk of losing functionality of the remote operated valve that controls the flow of gas between MP and TP, due to the obsolescence of some of the PLC/RTU components that are recommended to be replaced during this project.

Is this Project in Central Hudson's current approved rate case?					
Is this Project tied to a regulatory requirement? Overpressure monitor valves required to be installed. Currently do not exist.					
Does this Project result in cost avoidance, cost savings,		evenue for Central Hudson?	No)	
Does this Project enhance Central Hudson's customer experience or service delivery?					
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Overpressure monitor valves required to be installed. Currently do not exist.					
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?					
Overpressure monitor valves required to be installed. Current	ntly do not exist.				
Prioritization Ranking*					
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.	↑ VERY HIGH				



D. COST ESTIMATE

	Capital Estimate Summary	Year 1 = 1si 5-year bu				cost estimates sho adjustments for in			
	\$2,409,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0							
Ī	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
10.00	A/P Contractors & Other	2,190,000		300,000	700,000	1,190,000			
	Inflation	111,000		6,000	30,000	75,000			
	AFUDC*	87,000		11,000	24,000	52,000			
0	Journal Vouchers (JVs)	0		3===					
N -	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	2,388,000	0	317,000	754,000	1,317,000	0	0	0
	Labor (Weekly Payroll)	0							1
E	Labor (Monthly Payroll)	0						-	
T	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	21,000			21,000				
R	Overheads	0							
E	Journal Vouchers (JVs)	0							
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
S -	TOTAL REMOVALS:	21,000	0	0	21,000	0	0	0	0
	* AFUDC may require adjustment after Finance Depar	tment review.							
	Expense \$ (if applicable):	0							
	urrent Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when

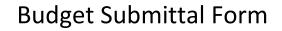
rate case funding not yet confirmed.



Budget Status: Not included in current PSC-approved budget plan	
Cost Estimate Level: Preliminary Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): High Confidence	
No further estimate range is required.	Formulas give standard ranges
Cost Estimate Range:Minimum (\$):1,927,200Maximum (\$):2,890,800No explanation on confidence level required.	 per estimate level, but may be overwritten if desired.
Basis for estimate: Historical Data + Job Specific Adjustments; Historical Proforma Pricing (select all that apply)	
Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?	Yes

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Used actual labor and material costs for completing project of similar scope on the same property the year prior. Used historical pricing for piping, equipment, and peripherals.





Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work:

Install remotely operated gear operators on gas transmission main line valves.

Describe specific scope exclusions, assumptions and constraints: Assumption - the valves being installed will accept a remotely capable gear operator.

B. ALTERNATIVES

ale. Power. Possibilitie

What other options were considered to the proposed project to meet the objective? Remote operation of valves requires hardware and software installation, no alternatives were explored.

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$



C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure	Growth/Sustaining/Retirement:	Transmission Sustaining
Discretion Level:	Maintain System Standards	Investment Type:	Infrastructure
		Is there	an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Due to recommendations and changes set forth in PHMSA-2013-0255 that necessitated amendments to 49CFR192 and 195, Central Hudson will incorporate these capabilities into current and future main line valve projects. These installations will reduce the response time to a potential incident on the transmission line and will bring the pipelines into current industry standards of operation.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Increasing the safety and reliability of the gas transmission system by replacing aging infrastructure and implementing new functionality.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Operational Excellence Improve system performance and resilience Business & Operations Modernization/Transformation PSC Gas Safety

CLICK HERE

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Select all that apply

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component:
 Yes

 Social Component:
 Yes

 Governance Component:
 Yes

 Is complete Sustainability status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.



What is the relative urgency of this project? Moderate Recommend commencement within next 24-months. Was this project included in a prior 5-year forecast? Yes If No, why should this project be completed instead of a planned project? N/A

Why do we need to complete this project in the period requested?

To minimize impacts to the transmission system and also to maximize the capability of the newly constructed transmission line valves.

What are the risks and consequences of not completing this project?

same prioritization question responses.

Increased risk of longer response to incidents.

Is this Project in Central Hudson's current approved rate case? Approved as part of a Program.	Yes
Is this Project tied to a regulatory requirement?	Yes
PHMSA-2013-0255 Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?	No
Does this Project result in cost avoidance, cost savings, or additional revenue for Gentral Hudson?	
Does this Project enhance Central Hudson's customer experience or service delivery?	No
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Remote operability.	Yes
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Remote operability.	Yes
Prioritization Ranking*	
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the	

VERY

HIGH

MEDIUM

VERY

LOW



D. COST ESTIMATE

	Capital Estimate Summary	Year 1 = 1st year of the 5-year budget plan								
	\$3,229,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years	
	Labor (Weekly Payroll)	0								
	Labor (Monthly Payroll)	0								
A	Stock Materials	0								
	A/P Non-Stock Material	0								
	A/P Contractors & Other	2,715,000		362,000	362,000	543,000	724,000	724,000		
Ιť	Inflation	191,000		8,000	15,000	34,000	60,000	74,000		
1	AFUDC*	108,000		13,000	13,000	24,000	35,000	23,000		
0	Journal Vouchers (JVs)	0								
N	CIAC Payments CREDIT	0								
3	Joint Utility Payments CREDIT	0								
	TOTAL ADDITIONS:	3,014,000	0	383,000	390,000	601,000	819,000	821,000	0	
	Labor (Weekly Payroll)	0								
Ē	Labor (Monthly Payroll)	0								
т	A/P Non-Labor (dumpsters, etc.)	0								
1	A/P Contractors	215,000		20,000	21,000	43,000	65,000	66,000		
	Overheads	0								
M	Journal Vouchers (JVs)	0								
E	Salvage CREDIT	0								
N	CIAC Payments CREDIT	0								
T	Joint Utility Payments CREDIT	0								
S	TOTAL REMOVALS:	215,000	0	20,000	21,000	43,000	65,000	66,000	0	
	* AFUDC may require adjustment after Finance Department									
	Expense \$ (if applicable):	0								
(Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*					
1		* Not applicable f	or 2025, 2029 budge	t procoso whon						

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Preliminary **High Confidence Cost Estimate Confidence:** (that final cost will be within +/-20% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 2,583,200 3,874,800 overwritten if desired. No explanation on confidence level required. Historical Data + Job Specific Adjustments Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? Yes

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Used actual labor and material costs for completing project of similar scope on the same property the year prior. Used historical pricing for piping, equipment, and peripherals.



Submission Date:	January 12, 2024	First Year of 5-Year Budget I	Period:	2025
		Budget Category:		_22
Business Sponsor:	E. Kiszkiel	Budget Group:	Gas	
Prepared By:	S. Spehalski	Current Life-Cycle Phase:	1 Planning	
A. GENERAL				
Project/Program Na	me: TP Line Identifed Segment Replacements (1,2,3,4	,5.1,5.2,6,7,8,9) Wo	rk Order #:	-
Funding Project Des	scription: MAJORS-GAS TRANSMISSION	Funding Project	ct Number:	2-2212-00-18
Is this a Specific Pro	oject, Program or Blanket? Specific	Target Schedule - Start: 1/1/2024	In-Servie	:e: 6/30/2035

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work:

Replace all identified segments of the 10" steel TP Gas Transmission main over multiple projects in order to comply with the requirements of 49 CFR 192.624. Please reference "Plan to Address Testing/Replacement Requirements of 49 CFR 192.624" document.

Describe specific scope exclusions, assumptions and constraints:

In order to minimize customer impact, this project will be done in two steps. Step 1 would be to replace Segment 5.1 in 2024 and 2025. Step 2 would be to replace Segment 5.2 and 6 in 2026. Additional detailed scoping and schedule to be determined to project commencement.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective?

Previously, a plan was put forward to re-pressure test the existing mains rather than replace them. Since that time, for various reasons, this proposal has been dismissed in favor of full replacement.

Why was the proposed project scope chosen over other alternatives?

Overall, replacement is the much more realistic and feasible option. Not only does it make project planning and logistics easier, but also decreases downtime, eliminates derating, avoids unknown cost and risk associated with pre/post assessments and pressure testing, and satisfies all material and pressure requirements (traceable, verifiable, and complete records for all newly installed pipe). For these reasons, method 4 (replacement) will be



C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure	Growth/Sustaining/Retirement: Transmission Sustaining
Discretion Level:	Non-Discretionary	Investment Type: Compliance
		Is there an Innovation Component? No

Needs Assessment: Regulatory

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Modifications to CFR 49 192.624 require that Central Hudson replace approximately 1.791 miles of its gas transmission system prior to July 2, 2035. https://centralhudson.sharepoint.com/:b:/r/sites/GasMech/Budgets/Capital/5%20Year%20Forecast/2024-2028%20Capital%20Budget/supporting%20docs/Plan%20to%20Replace%20Transmission%20Lines%20in%20Accordance%20with%2049CFR192.62

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Increasing the safety and reliability of the gas transmission system by replacing aging infrastructure. Increasing safety by moving customers to distribution main.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Operational Excellence Improve productivity and efficiency Business & Operations Modernization/Transformation PSC Gas Safety

CLICK HERE

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

Miscellaneous (wetlands; highway; SWPPP); Local municipality (1)

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: Yes Environmental Component: Yes Social Component: Yes Governance Component: Yes

Is complete <u>Sustainability</u> status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.



- -

nat is the relative urgency of this project?ImmediateAlready in-progress or recommend commencement within next 12-months.as this project included in a prior 5-year forecast?No					
If No, why should this project be completed instead of a pla Compliance requirements.	anned project?				
Why do we need to complete this project in the period requ Code requires 50% of the total identified footage to be replaced					
What are the risks and consequences of not completing thi Compliance violations.	is project?				
Is this Project in Central Hudson's current approved rate ca	ase?	No			
Is this Project tied to a regulatory requirement? CFR 49 192.624		Yes			
Does this Project result in cost avoidance, cost savings, or	additional revenue for Central Hudson?	No			

Does this Project enhance Central Hudson's customer experience or service delivery? No

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? No

Does this Project improve or enhance	e safety for Central Hudson employee	s, contractors or the public?	No
--------------------------------------	--------------------------------------	-------------------------------	----

Prioritization Ranking	*		
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the	\uparrow	\uparrow	\uparrow
same prioritization question responses.	VERY	MEDIUM	VERY
	HIGH		LOW



D. COST ESTIMATE

Future Years
0,000
2,000
2,000
4,000 0
2,000
2,000 0
2

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Not included in current PSC-approved budget plan **Cost Estimate Level:** Conceptual **Cost Estimate Confidence:** (that final cost will be within +/-30% of the estimate): **High Confidence** No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 7,271,600 13,504,400 overwritten if desired. No explanation on confidence level required. Historical Proforma Pricing; Historical Data + Job Specific Adjustments Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? Yes

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): https://centralhudson.sharepoint.com/:b:/r/sites/GasMech/Budgets/Capital/5%20Year%20Forecast/2024-2028%20Capital%20Budget/supporting%20docs/Plan%20to%20Replace%20Transmission%20Lines%20in%20Accordance%20with%2049CFR192.62 4%20(1).pdf?csf=1&web=1&e=R3jqC5



2025

Gas

1 Planning

23



Submission Date: January 12, 2024

Business Sponsor:B. PeakPrepared By:S. Spehalski

A. GENERAL

Project/Program Name: Middlehope Regulator Station Rebuild Funding Project Description: MAJORS - GAS REGULATOR STATIONS Is this a Specific Project, Program or Blanket? Specific
 Work Order #:

 Funding Project Number:
 2-2312-00-18

 Target Schedule - Start:
 1/1/2029
 In-Service:
 12/31/2029

First Year of 5-Year Budget Period:

Budget Category:

Current Life-Cycle Phase:

Budget Group:

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work: Replace the Middlehope Regulator Station.

Describe specific scope exclusions, assumptions and constraints: Assumes there is adequate property/parcel for construction.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? Partial rebuild and/or relocation was considered.

Why was the proposed project scope chosen over other alternatives? Due to the criticality of the station to the reliability of the system, the station shall be fully replaced.



C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure	Growth/Sustaining/Retirement:	Distribution Sustaining
Discretion Level:	Maintain System Standards	Investment Type:	Infrastructure
		Is there an Innovation Component? No	

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. As the only feed from the TP 512# system into the MHP 80# system, the replacement of this station is paramount to the reliability of the system. The station piping and peripherals are degraded and the equipment is non-standard, antiquated and obsolete. It shall be rebuilt as a dual run, monitor station to allow for increased overpressure protection and brought up to current standards and communications. Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Increasing the safety and reliability of the gas system by replacing aging infrastructure and implementing new functionality.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Operational Excellence Improve system performance and resilience Business & Operations Modernization/Transformation PSC Gas Safety

CLICK HERE

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Select all that apply

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

Local municipality (1)

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component:
 Yes

 Social Component:
 Yes

 Governance Component:
 Yes

 Is complete Sustainability status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.



What is the relative urgency of this project?	Moderate	Recommend commencement within next 24-months.							
Was this project included in a prior 5-year for	Yes								
If No, why should this project be completed instead of a planned project?									
N/A									

Why do we need to complete this project in the period requested? To minimize the risk to the system.

What are the risks and consequences of not completing this project?

Poor pressure control, equipment failure, increased costs of maintenance.

Is this Project in Central Hudson's current approved rate case?					
Is this Project tied to a regulatory requirement?				No	
Does this Project result in cost avoidance, cost s	avings, or additional	revenue for Central Hudson?	•	No	
Does this Project enhance Central Hudson's cust Increase in reliability of gas supply.	tomer experience or s	service delivery?		Yes	
Does this Project reduce risk, debt, or vulnerabili Reduced Infrastructure risk.	ities (i.e. technology,	cybersecurity, legal, infrastru	icture, etc.)?	Yes	
Does this Project improve or enhance safety for Reduced Infrastructure risk.		oyees, contractors or the pub	olic?	Yes	
Prioritization Rai	nking*				
* Prioritization Ranking is intended to be high level and not intended to differentiate between projects with the same prioritization question responses.	is VERY HIGH				



Capital Estimate Summary	Year 1 = 1s 5-year bu				cost estimates sh e adjustments for i			
\$1,034,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
Labor (Weekly Payroll)	0							
Labor (Monthly Payroll)	0							
A Stock Materials	0							
A/P Non-Stock Material	0							
A/P Contractors & Other	900,000	0					900,000	
T Inflation	92,000						92,000	
I AFUDC*	20,000						20,000	
Journal Vouchers (JVs)	0					here.		
CIAC Payments CREDIT	0							
Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:	1,012,000	0	0	0	0	0	1,012,000	0
Labor (Weekly Payroll)	0							1
E Labor (Monthly Payroll)	0							
T A/P Non-Labor (dumpsters, etc.)	0							
I A/P Contractors	22,000	0					22,000	
P Overheads	0							
Journal Vouchers (JVs)	0							
E Salvage CREDIT	0							
N CIAC Payments CREDIT	0			2				
Joint Utility Payments CREDIT	0							
S TOTAL REMOVALS:	22,000	0	0	0	0	0	22,000	0
* AFUDC may require adjustment after Finance Depa								
Expense \$ (if applicable):	0							
Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when



Budget Status: Not included in current PSC-approved budget plan **Cost Estimate Level:** Preliminary High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-20% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): 827,200 Maximum (\$): 1.240.800 overwritten if desired. No explanation on confidence level required. Historical Data + Job Specific Adjustments Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? Yes

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Recent project completion of similar scope and schedule offers relatively reliable insight into costs.



2025

Gas

1 Planning

23



Submission Date: January 12, 2024

Business Sponsor:B. PeakPrepared By:S. Spehalski

A. GENERAL

Project/Program Name: North Cornwall Regulator Station Rebuild Funding Project Description: MAJORS - GAS REGULATOR STATIONS Is this a Specific Project, Program or Blanket? Specific

 Work Order #:

 Funding Project Number:
 2-2312-00-18

 Target Schedule - Start:
 1/1/2026
 In-Service:
 12/31/2026

First Year of 5-Year Budget Period:

Budget Category:

Current Life-Cycle Phase:

Budget Group:

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work: Replace the North Cornwall Regulator Station.

Describe specific scope exclusions, assumptions and constraints: Assumes there is adequate property/parcel for construction.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? Partial rebuild was considered.

Why was the proposed project scope chosen over other alternatives? Due to the criticality of the station to the reliability of the system, the station shall be fully replaced.



Budget Submittal Form

C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure
Discretion Level:	Maintain System Standards

Growth/Sustaining/Retirement: Distribution Sustaining Investment Type: Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. As a main feed from the TPC512# into the WP120# system and the CW30# system, the replacement of this station is paramount to the reliability of the distribution system. The station piping and peripherals are degraded and corroded and the equipment is antiquated and obsolete. Many components of the station monthly and annual inspections are reporting to be increasingly difficult to fix such as stiffening of valves etc. It shall be Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Increasing the safety and reliability of the gas system by replacing aging infrastructure and implementing new functionality.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Operational Excellence Improve system performance and resilience Business & Operations Modernization/Transformation PSC Gas Safety

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Select all that apply

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

Local municipality (1)

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: Yes Environmental Component: Yes Social Component: Yes Governance Component: Yes

Is complete <u>Sustainability</u> status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

CLICK HERE



Moderate	Recommend commencement within next 24-months.	
Was this project included in a prior 5-year forecast?		
instead of a p	planned project?	
	recast?	

Why do we need to complete this project in the period requested? To minimize the risk to the system.

What are the risks and consequences of not completing this project?

Poor pressure control, equipment failure, increase costs of maintenance.

Is this Project in Central Hudson's current approved rate case? specific project	Yes
Is this Project tied to a regulatory requirement?	No
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? reduced maintenance costs.	Yes
Does this Project enhance Central Hudson's customer experience or service delivery?	No
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)	? No
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?	No

Prioritization Ranking	g*		
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the	\uparrow	\uparrow	\uparrow
same prioritization question responses.	VERY	MEDIUM	VERY
	HIGH		LOW



TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
0							
0							
0							
0							
1,180,000			1,180,000				
50,000			50,000				
16,000			16,000				
0							:===
0							
0	· · · · · · · · · · · ·						
1,246,000	0	0	1,246,000	0	0	0	0
0		()					
0							
0							
21,000			21,000				
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0			1.222				
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0							
21,000	0	0	21,000	0	0	0	0
the second second second second					*		•
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le): 0							
	5-year but TOTAL 0 0 0 0 0 1,180,000 1,180,000 16,000 0 0 1,180,000 1,180,000 1,180,000 0 1,180,000 00 1,180,000 00 1,180,000 00 00 1,246,000 0	TOTAL Actuals + Projections 0 0 0 0 0 0 100 0 1,180,000 0 1,180,000 0 11,180,000 0 11,180,000 0 11,180,000 0 11,180,000 0 100 0 100 0 100 0 00 0 00 0 1,246,000 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 <	5-year budget plan TOTAL Prior Years Actuals + Projections Year 1 2025 0 0 0 0 0 0 0 0 0 10 0 0 10 0 0 11,180,000 0 0 16,000 0 0 16,000 0 0 16,000 0 0 10 0 0 10 0 0 12,000 0 0 0 0 0 1,246,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5-year budget plan applicable TOTAL Prior Years Actuals + Projections Year 1 2025 Year 2 2026 0 0 0 0 0 0 0 0 0 0 0 0 1,180,000 0 1,180,000 0 1,180,000 0 10,000 0 10,180,000 0 10,000 0 11,180,000 0 11,180,000 0 10,160,000 0 16,000 0 10,1246,000 0 1,246,000 0 0 0 0 1,246,000 0 0 0 0 1,246,000 0 0 0 0 1,246,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5-year budget plan applicable adjustments for if TOTAL Prior Years Actuals + Projections Year 1 2025 Year 2 2026 Year 3 2027 0 0 2026 2027 0 0 0 2026 2027 0 0 0 0 0 0 0 0 0 0 0 0 0 1,180,000 0 1,180,000 0 </td <td>5-year budget plan applicable adjustments for inflation. TOTAL Prior Years Actuals + Projections Year 1 2025 Year 2 2026 Year 3 2027 Year 4 2028 0 0 2026 2027 2028 0 0 0 2026 2027 2028 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1,180,000 0 1,180,000 0 0 0 0 1,180,000 0 16,000 0<td>S-year budget plan applicable adjustments for inflation. Prior Years Actuals + Projections Year 1 2025 Year 2 2026 Year 3 2027 Year 4 2028 Year 5 2029 0 0 2026 2027 2028 2029 0 0 1 2026 2027 2028 2029 0 0 1<</td></td>	5-year budget plan applicable adjustments for inflation. TOTAL Prior Years Actuals + Projections Year 1 2025 Year 2 2026 Year 3 2027 Year 4 2028 0 0 2026 2027 2028 0 0 0 2026 2027 2028 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1,180,000 0 1,180,000 0 0 0 0 1,180,000 0 16,000 0 <td>S-year budget plan applicable adjustments for inflation. Prior Years Actuals + Projections Year 1 2025 Year 2 2026 Year 3 2027 Year 4 2028 Year 5 2029 0 0 2026 2027 2028 2029 0 0 1 2026 2027 2028 2029 0 0 1<</td>	S-year budget plan applicable adjustments for inflation. Prior Years Actuals + Projections Year 1 2025 Year 2 2026 Year 3 2027 Year 4 2028 Year 5 2029 0 0 2026 2027 2028 2029 0 0 1 2026 2027 2028 2029 0 0 1<

* Not applicable for 2025-2029 budget process when



Budget Status: Included in current PSC-approved budget plan as a SPECIFIC PROJECT **Cost Estimate Level:** Preliminary **High Confidence Cost Estimate Confidence:** (that final cost will be within +/-20% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 1,520,400 1,013,600 overwritten if desired. No explanation on confidence level required. Historical Data + Job Specific Adjustments Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? Yes

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Recent project completion of similar scope and schedule offers relatively reliable insight into costs.



Submission Date:	January 12, 2024	First Year of 5-Year Budget Budget Category:	Period:	2025 _23
Business Sponsor: Prepared By:	B. Peak S. Spehalski	Budget Group: Current Life-Cycle Phase:	Gas 1 Planning	
Funding Project Des	me: Pressure Control Improvements scription: MINORS - GAS REGULATOR STATIONS oject, Program or Blanket? Program	Wo Funding Proje Target Schedule - Start: 1/1/2025		2-2311-00-18 rice: 12/31/2029

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work:

Possible solutions vary greatly as each situation is unique. Common solutions have been to adjust the regulator's travel stop, cage, or throttle plate. A different model of regulator might be required as different models of regulators are better suited to control in some situations than others. Sense lines might need to be lengthened to a non-turbulent zone. Sense line sizes might need to be increased. A filter may need to be installed to remove grit, fines, and liquids affecting diaphragm performance.

Describe specific scope exclusions, assumptions and constraints:

The performance of all natural gas regulator stations is constantly being monitored. Should a station be exhibiting signs of great outlet pressure variations and field technicians cannot correct the problem, the station's capacity load is analyzed, equipment selection is studied and possible solutions are evaluated.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? Depending on the situation, alternatives are numerous.

Why was the proposed project scope chosen over other alternatives? Most cost effective and reliable solution is chosen for each situation/location.



C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure
Discretion Level:	Maintain System Standards

Growth/Sustaining/Retirement: Distribution Sustaining Investment Type: Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. NYCRR 255 Code requires the operator to keep delievery pressures stable and maintain system pressures within certain limits. In order to accomplish this, capital improvements sometimes need to be made to the station. Each situation is unique and is assessed independently to others.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Avoidance of maintenance cost of an unreliable or poor performing piece of equipment.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (*CATS-4220, 4222, 4230, 4235, 44*):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component:
 Yes

 Social Component:
 Yes

 Governance Component:
 No

Is complete Sustainability status achieved by this project?* No

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

CLICK HERE

Operational Excellence Improve system performance and resilience Business & Operations Modernization/Transformation PSC Gas Safety



What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?YesIf No, why should this project be completed instead of a planned project?N/A

Why do we need to complete this project in the period requested?

To maintain system reliability and code compliance at poor performing stations.

What are the risks and consequences of not completing this project?

Risk of slower response to incidents, risk of compliance violations, inability to analyze system performance.

Is this Project in Central Hudson's current approved rate Program	e case?		Yes
Is this Project tied to a regulatory requirement?			Yes
Maintaining adequate delivery pressures.			
Does this Project result in cost avoidance, cost savings,	or additiona	revenue for Central Hudson?	Yes
Reduced maintenance costs.			
Does this Project enhance Central Hudson's customer ex	xperience or	service delivery?	Yes
More stable pressure output.			
Does this Project reduce risk, debt, or vulnerabilities (i.e	. technology,	cybersecurity, legal, infrastructur	re, etc.)? Yes
Reduced risk of over or under pressurizations.			
Does this Project improve or enhance safety for Central	Hudson emp	loyees, contractors or the public?	Yes
Reduced risk of over or under pressurizations.			
Prioritization Ranking*	•		
* Prioritization Ranking is intended to be high level and is	$\mathbf{\Lambda}$	\wedge	$\mathbf{\Lambda}$
not intended to differentiate between projects with the same prioritization question responses.	I VERY	I MEDIUM	VERY
ouno pronazatori guotion rosponooo.	HIGH		LOW



	Capital Estimate Summary	Year 1 = 1si 5-year bu				cost estimates sho adjustments for in			
	\$1,063,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0			-				
	Labor (Monthly Payroll)	0							
A	Stock Materials	0							
D	A/P Non-Stock Material	0							
Ĩ	A/P Contractors & Other	990,000	0	270,000	270,000	150,000	150,000	150,000	
Ť	Inflation	55,000		6,000	11,000	9,000	13,000	16,000	
1	AFUDC*	18,000		3,000	4,000	4,000	4,000	3,000	
0 N	Journal Vouchers (JVs)	0							
S	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	1,063,000	0	279,000	285,000	163,000	167,000	169,000	0
	Labor (Weekly Payroll)	0							
Ē	Labor (Monthly Payroll)	0							
Т	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	0							
R	Overheads	0							
M	Journal Vouchers (JVs)	0							
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0							
TS	Joint Utility Payments CREDIT	0							
3	TOTAL REMOVALS:	0	0	0	0	0	0	0	0
	* AFUDC may require adjustment after Finance Depar								
	Expense \$ (if applicable):	0						and the second s	
	Current Approved Rate Case Funding (\$):		n/a*	n/a*	n/a*				
	그는 것은 것은 것은 것이 같아요. 그렇게 들었다. 그는 것이 집에 가지 않아야 한다. 이것이 않는 것이 같아요. 그는 것이 ? 그는 것이 같아요. 그는 것이	* Not applicable for	or 2025-2029 budge	t process when					

* Not applicable for 2025-2029 budget process when



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Preliminary **High Confidence Cost Estimate Confidence:** (that final cost will be within +/-20% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 1,275,600 850,400 overwritten if desired. No explanation on confidence level required. Historical Data + Job Specific Adjustments Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Historic data from different situations and issues throughout the service territory on varying types of equipment. Some projects are small, others are more significant and costly.



Budget Submittal Form

Submission Date:	January 12, 2024	First Year of 5-Year Budget	Period:	2025
		Budget Category:		_23
Business Sponsor:	B. Peak	Budget Group:	Gas	
Prepared By:	S. Spehalski	Current Life-Cycle Phase:	1 Planning	
A. GENERAL				
Project/Program Na	me: Pressure Recording Chart Replacements	Wo	ork Order #:	-
Funding Project Des	scription: MINORS - GAS REGULATOR STATIONS	Funding Proje	ct Number:	2-2311-00-18
Is this a Specific Pro	oject, Program or Blanket? Program	Target Schedule - Start: 1/1/2025	In-Serv	ice: 12/31/2029

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work:

Install electronic pressure recording charts at gas regulator stations to replace unreliable, unsupported, or outdated units.

Describe specific scope exclusions, assumptions and constraints: Does not include funding for gate station SCADA or regulator station SCADA electronic installations.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? None. Code required.

Why was the proposed project scope chosen over other alternatives? Most cost effective and reliable solution.



Budget Submittal Form

C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure
Discretion Level:	Maintain System Standards

Growth/Sustaining/Retirement: Distribution Sustaining Investment Type: Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Required by code, recording charts must be installed at each pressure control station where one or more pressure control stations contribute to the load of a single system. For a low pressure system, a pressure recording must be installed at any point where the lowest pressure may occur. Charts must be compatible with Central Hudson's Network Strategy or cellular communication. Verizon is terminating many phone line connections each Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Avoid the cost of multiple repairs to a single unit by simply replacing with a more robust, newer unit.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Operational Excellence Improve system performance and resilience Business & Operations Modernization/Transformation PSC Gas Safety

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Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Select all that apply

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: YesEnvironmental Component:YesSocial Component:YesGovernance Component:No

Is complete <u>Sustainability</u> status achieved by this project?* No

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.



 What is the relative urgency of this project?
 Immediate
 Already in-progress or recommend commencement within next 12-months.

 Was this project included in a prior 5-year forecast?
 Yes

 If No, why should this project be completed instead of a planned project?
 Yes

 N/A
 N/A

Why do we need to complete this project in the period requested?

Due to the termination of connections by Verizon and others, we must stay ahead of their schedule in order to maintain compliance with code.

What are the risks and consequences of not completing this project?

Risk of slower response to incidents, risk of compliance violations, inability to analyze system performance.

Is this Project in Central Hudson's current approved rate Program	e case?		Yes	S
Is this Project tied to a regulatory requirement? NYCRR 255			Yes	S
Does this Project result in cost avoidance, cost savings, Reduced maintenance costs.	or additional re	evenue for Central Hudson?	Yes	S
Does this Project enhance Central Hudson's customer e Ensures proper delivery pressure is monitored.	xperience or se	rvice delivery?	Yes	S
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Ensures proper delivery pressure is monitored.				
Does this Project improve or enhance safety for Central Ensures proper delivery pressure is monitored.	Hudson employ	yees, contractors or the public?	Yes	S
Prioritization Ranking*	•			
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.	↓ VERY HIGH			



	Capital Estimate Summary	Year 1 = 1si 5-year bu				cost estimates sho adjustments for in			
	\$1,131,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
A	Stock Materials	0							
	A/P Non-Stock Material	0							
1	A/P Contractors & Other	950,000	0	200,000	200,000	200,000	200,000	150,000	
Ι τ΄	Inflation	57,000		4,000	8,000	12,000	17,000	16,000	
1	AFUDC*	18,000	0	2,000	3,000	5,000	5,000	3,000	
0	Journal Vouchers (JVs)	0							
N	CIAC Payments CREDIT	0							
3	Joint Utility Payments CREDIT	0					_		
	TOTAL ADDITIONS:	1,025,000	0	206,000	211,000	217,000	222,000	169,000	0
	Labor (Weekly Payroll)	0					[
E	Labor (Monthly Payroll)	0							
т	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	106,000	0	20,000	21,000	21,000	22,000	22,000	
R	Overheads	0			(0.) 				
M	Journal Vouchers (JVs)	0		2 <u>000</u> 2	1 				
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0		- 0	(20.5) 				
TS	Joint Utility Payments CREDIT	0							
3	TOTAL REMOVALS:	106,000	0	20,000	21,000	21,000	22,000	22,000	0
	* AFUDC may require adjustment after Finance Depart								-
	Expense \$ (if applicable):	0							
	Surrent Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Preliminary High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-20% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 904,800 1,357,200 overwritten if desired. No explanation on confidence level required. Contractor/Vendor Bids For Certain Work Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Historical pricing for same work scope in the year prior.



Budget Submittal Form

Submission Date:	January 12, 2024	First Year of 5-Year Budget	Period:	2025
		Budget Category:		_23
Business Sponsor:	B. Peak	Budget Group:	Gas	
Prepared By:	S. Spehalski	Current Life-Cycle Phase:	1 Planning	
A. GENERAL				
Project/Program Nar	ne: Regulator Station Coatings	Wo	rk Order #:	-
Funding Project Des	cription: MAJORS - GAS REGULATOR STATIONS	Funding Proje	ct Number:	2-2312-00-18
Is this a Specific Pro	ject, Program or Blanket? Program	Target Schedule - Start: 1/1/2025	In-Serv	ice: 12/31/2029

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work:

Install a coating system on above grade transmission regulator station piping and structures in order to increase asset life by a minimum of 15 years. The program targets five stations per year for a five year period.

Describe specific scope exclusions, assumptions and constraints:

Does not include distribution assets. Prioritization of projects is based on coating condition and asset age.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? Full or partial replacement of the identified transmission regulator stations.

Why was the proposed project scope chosen over other alternatives? Cost avoidance, ability to redirect capital investments to other initiatives.

Budget Submittal Form

Growth/Sustaining/Retirement: Transmission Sustaining Investment Type: Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Installing a coating system in order to extend the useful life of the asset would prolong its service life and avoid the cost of a replacement. There are precendents of this type of installation being approved by regulators as capital investments.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Cost avoidance and delay of a replacement project.

For the following strategic alignment questions	s, reference CHG&E's	s current Strategic Outlook	document.
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Infrastructure

Maintain System Standards

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component:
 Yes

 Social Component:
 Yes

 Governance Component:
 No

 Is complete Sustainability status achieved by this project?* No

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

 ategic Outlook document:
 CLICK HERE

 Operational Excellence
 Improve productivity and efficiency

 Business & Operations Modernization/Transformation

 PSC Gas Safety



Load Based/Infrastructure:

C. JUSTIFICATION

Discretion Level:



What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?NoIf No, why should this project be completed instead of a planned project?This program would offset planned projects and allow for significant cost savings to direct funding to other initiatives.

Why do we need to complete this project in the period requested?

Due to the age of existing infrastructure, the coatings program is needed in order to avoid imminent and costly replacement projects.

What are the risks and consequences of not completing this project?

Continued deterioration of above grade transmission assets, higher cost of replacement and repair.

Is this Project in Central Hudson's current approved rate case?				
Is this Project tied to a regulatory requirement?	No			
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? Reduced capital costs.	Yes			
Does this Project enhance Central Hudson's customer experience or service delivery?	No			
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?	No			
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?	No			

Prioritization Ranking	g*		•
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the	\uparrow	\uparrow	\uparrow
same prioritization question responses.	VERY	MEDIUM	VERY
	HIGH		LOW



	Capital Estimate Summary	Year 1 = 1sl 5-year bu				cost estimates sho adjustments for in			
	\$1,353,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0			-				
	Labor (Monthly Payroll)	0							
A	Stock Materials	0							
	A/P Non-Stock Material	0							
Ĩ	A/P Contractors & Other	1,250,000	0	250,000	250,000	250,000	250,000	250,000	
Ť	Inflation	78,000		5,000	11,000	16,000	21,000	25,000	
1	AFUDC*	25,000		3,000	3,000	6,000	7,000	6,000	
0 N	Journal Vouchers (JVs)	0							
S	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	1,353,000	0	258,000	264,000	272,000	278,000	281,000	0
	Labor (Weekly Payroll)	0							
E	Labor (Monthly Payroll)	0							
Т	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	0							
R	Overheads	0							
M	Journal Vouchers (JVs)	0							
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0			9 C				
TS	Joint Utility Payments CREDIT	0							
3	TOTAL REMOVALS:	0	0	0	0	0	0	0	0
	* AFUDC may require adjustment after Finance Depart								
	Expense \$ (if applicable):	0						and the second s	
	Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				
17. 17.		* Not applicable for	or 2025-2029 budge	t process when					

* Not applicable for 2025-2029 budget process when



Budget Status: Not included in current PSC-approved budget plan **Cost Estimate Level:** Preliminary High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-20% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 1,623,600 1,082,400 overwritten if desired. No explanation on confidence level required. Contractor/Vendor Bids For Certain Work Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Prices were obtained from capable contractors for a typical sized transmission regulator station.





Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work: Replace the Saugerties Regulator Station.

Describe specific scope exclusions, assumptions and constraints: Assumes there is adequate property/parcel for construction.

B. ALTERNATIVES

ole. Power. Possibilitie

What other options were considered to the proposed project to meet the objective? Partial rebuild and/or relocation was considered.

Why was the proposed project scope chosen over other alternatives? Due to the criticality of the station to the reliability of the system, the station shall be fully replaced.



C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure	Growth/Sustaining/Retirement:	Dist
Discretion Level:	Maintain System Standards	Investment Type:	Infra

owth/Sustaining/Retirement: Distribution Sustaining Investment Type: Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. As a main feed from the AH618# into the CS/SB40# system, the replacement of this station is paramount to the reliability of the distribution system. The station piping and peripherals are degraded and corroded and the equipment is antiquated and obsolete. Many components of the station monthly and annual inspections are reporting to be increasingly difficult to fix such as stiffening of valves etc. It shall be rebuilt as a dual run, monitor station to Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Increasing the safety and reliability of the gas system by replacing aging infrastructure and implementing new functionality.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

 ategic Outlook document:
 CLICK HERE

 Operational Excellence
 Improve system performance and resilience

 Business & Operations Modernization/Transformation

 PSC Gas Safety

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Select all that apply

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

Local municipality (1)

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: Yes Environmental Component: Yes Social Component: Yes Governance Component: Yes

Is complete <u>Sustainability</u> status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.



What is the relative urgency of this project?	Moderate	Recommend commencement within next 24-months.				
Was this project included in a prior 5-year for	Yes					
If No, why should this project be completed instead of a planned project?						
N/A						

Why do we need to complete this project in the period requested? To minimize the risk to the system.

What are the risks and consequences of not completing this project?

Poor pressure control, equipment failure, increase costs of maintenance.

Is this Project in Central Hudson's current approved ra	ate case?			No
Is this Project tied to a regulatory requirement?				No
Does this Project result in cost avoidance, cost saving	js, or additional	revenue for Central Hudson?		No
Does this Project enhance Central Hudson's customer	experience or s	service delivery?		No
Does this Project reduce risk, debt, or vulnerabilities (i Reduced Infratructure risk	i.e. technology,	cybersecurity, legal, infrastru	cture, etc.)?	Yes
Does this Project improve or enhance safety for Centra Reduced Infratructure risk	al Hudson empl	oyees, contractors or the pub	lic?	Yes
Prioritization Ranking)*			
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.				



Capital Estimate Summary	Year 1 = 1s 5-year bu				cost estimates sh e adjustments for i			
\$1,349,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
Labor (Weekly Payroll)	0							
Labor (Monthly Payroll)	0							
A Stock Materials	0							
A/P Non-Stock Material	0							
A/P Contractors & Other	1,180,000						1,180,000	
T Inflation	120,000						120,000	
I AFUDC*	27,000						27,000	
Journal Vouchers (JVs)	0					hee.		
CIAC Payments CREDIT	0							
Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:	1,327,000	0	0	0	0	0	1,327,000	0
Labor (Weekly Payroll)	0							Î
E Labor (Monthly Payroll)	0							
T A/P Non-Labor (dumpsters, etc.)	0							
I A/P Contractors	22,000						22,000	
P Overheads	0							
Journal Vouchers (JVs)	0							
E Salvage CREDIT	0							
N CIAC Payments CREDIT	0			2			2 2 2	
Joint Utility Payments CREDIT	0							
S TOTAL REMOVALS:	22,000	0	0	0	0	0	22,000	0
* AFUDC may require adjustment after Finance Department	rtment review.							
Expense \$ (if applicable):	0							

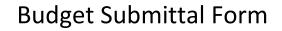
* Not applicable for 2025-2029 budget process when



Budget Status: Included in current PSC-approved budget plan as a SPECIFIC PROJECT **Cost Estimate Level:** Preliminary **High Confidence Cost Estimate Confidence:** (that final cost will be within +/-20% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): 1,079,200 Maximum (\$): 1,618,800 overwritten if desired. No explanation on confidence level required. Historical Data + Job Specific Adjustments Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? Yes

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Recent project completion of similar scope and schedule offers relatively reliable insight into costs.





January 12, 2024 First Year of 5-Year Budget Period: 2025 Submission Date: **Budget Category:** 23 Business Sponsor: B. Peak **Budget Group:** Gas **Current Life-Cycle Phase:** 1 Planning **Prepared By:** S. Spehalski A. GENERAL Project/Program Name: Violet Avenue Regulator Station Rebuild Work Order #: Funding Project Description: MAJORS - GAS REGULATOR STATIONS **Funding Project Number:** 2-2312-00-18 Is this a Specific Project, Program or Blanket? Specific Target Schedule - Start: 1/1/2027 In-Service: 12/31/2027

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work: Replace the Violet Avenue Regulator Station.

Describe specific scope exclusions, assumptions and constraints: Assumes there is adequate property/parcel for construction.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? Partial rebuild and/or relocation was considered.

Why was the proposed project scope chosen over other alternatives? Due to the criticality of the station to the reliability of the system, the station shall be fully replaced.



C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure	Growth/Sustaining/Retiremen
Discretion Level:	Maintain System Standards	Investment Typ

rowth/Sustaining/Retirement: Distribution Sustaining Investment Type: Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. As a main feed from the MP750# into the HV 120# system, the replacement of this station is paramount to the reliability of the system. The station piping and peripherals are degraded and the equipment is antiquated and obsolete. There have been numerous repairs necessary on old valves and equipment in recent years. It shall be rebuilt as a dual run, monitor station to allow for increased overpressure protection and brought up to current Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Increasing the safety and reliability of the gas system by replacing aging infrastructure and implementing new functionality.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Operational Excellence Improve system performance and resilience Business & Operations Modernization/Transformation PSC Gas Safety

CLICK HERE

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Select all that apply

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

Local municipality (1)

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component:
 Yes

 Social Component:
 Yes

 Governance Component:
 Yes

 Is complete Sustainability status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

675



What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?NoIf No, why should this project be completed instead of a planned project?This is considered a planned project that replaces an unidentified project that was previously approved in the 5 year forecast.

Why do we need to complete this project in the period requested? To minimize the risk to the system.

What are the risks and consequences of not completing this project?

Poor pressure control, equipment failure, increase costs of maintenance.

Is this Project in Central Hudson's current appro	oved rate case?		N	lo
Is this Project tied to a regulatory requirement?			N	lo
Does this Project result in cost avoidance, cost	savings, or additional	revenue for Central Hudson?	N	lo
Does this Project enhance Central Hudson's cus	stomer experience or s	ervice delivery?	N	lo
Does this Project reduce risk, debt, or vulnerabi Reduced infrastructure risk.	lities (i.e. technology, o	cybersecurity, legal, infrastru	cture, etc.)? Yo	'es
Does this Project improve or enhance safety for Reduced infrastructure risk.	Central Hudson emplo	oyees, contractors or the pub	lic? Yo	'es
Prioritization Ra	nking*			
* Prioritization Ranking is intended to be high level an not intended to differentiate between projects with the same prioritization question responses.				



Capital Estimate Summary						year cost estimates should include cable adjustments for inflation.				
\$1,303,0	00	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years	
Labor (Weekly Payro	ll)	0								
Labor (Monthly Payro	oll)	0								
A Stock Materials		0								
A/P Non-Stock Mater	ial	0								
A/P Contractors & O	ther	1,180,000				1,180,000				
T Inflation		74,000				74,000				
I AFUDC*		28,000				28,000				
O Journal Vouchers (J)	/s)	0		. .						
S CIAC Payments CRE	DIT	0								
Joint Utility Payments	CREDIT	0					_			
TOTAL ADDITIONS:		1,282,000	0	0	0	1,282,000	0	0	0	
Labor (Weekly Payro)))	0							Î	
E Labor (Monthly Payro	oll)	0								
T A/P Non-Labor (dum	psters, etc.)	0								
I A/P Contractors		21,000				21,000				
P Overheads		0								
Journal Vouchers (J)	/s)	0								
E Salvage CREDIT		0								
N CIAC Payments CRE	DIT	0								
Joint Utility Payments	CREDIT	0								
S TOTAL REMOVALS		21,000	0	0	0	21,000	0	0	0	
* AFUDC may require adjust									• •	
Expens	se \$ (if applicable): 0								

* Not applicable for 2025-2029 budget process when



Budget Status: Not included in current PSC-approved budget plan **Cost Estimate Level:** Preliminary High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-20% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 1,563,600 1,042,400 overwritten if desired. No explanation on confidence level required. Historical Data + Job Specific Adjustments Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? Yes

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Recent project completion of similar scope and schedule offers relatively reliable insight into costs.



Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: N/A

Describe the project objective and scope of work: Overall Budget Planning for Category 24

Describe specific scope exclusions, assumptions and constraints: All Gas New Business

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? None. Category 24 is non-discretionary

Why was the proposed project scope chosen over other alternatives? Obligation to serve is non-discretionary



C. JUSTIFICATION

Load Based/Infrastructure:	Load-Based	Growth/Sustaining/Retirement: Growth Sustaining	
Discretion Level:	Non-Discretionary	Investment Type: Growth	
		Is there an Innovation Component? Y	es

Needs Assessment: New Business

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. The Category 24 gas new business category consists of funding to provide new gas service to non-discretionary customer requested residential and commercial projects. This includes new multi-family and Underground Residential Distribution (URD) projects, new individual residential homes, and commercial/industrial gas new business. Work orders types can be specific (>\$15,000), local work orders (<\$15,000) and limited term service work orders.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Monetary benefits through increased revenue.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Operational Excellence Improve customer experience Seamless Customer Experience Earnings (Net Income)

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A * Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

Miscellaneous (wetlands; highway; SWPPP)

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component:
 No

 Social Component:
 No

 Governance Component:
 No

 Is complete Sustainability
 status achieved by this project?*

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

CLICK HERE



 What is the relative urgency of this project?
 Immediate
 Already in-progress or recommend commencement within next 12-months.

 Was this project included in a prior 5-year forecast?
 Yes

 If No, why should this project be completed instead of a planned project?
 Yes

 N/A
 N/A

Why do we need to complete this project in the period requested? New customer service must be provided in a timely manner

What are the risks and consequences of not completing this project? Customer complaints

Is this Project in Central Hudson's current approved rate	Yes			
Is this Project tied to a regulatory requirement?				Yes
Does this Project result in cost avoidance, cost savings,	or additional revenue	e for Central Hudson?		Yes
Does this Project enhance Central Hudson's customer e	xperience or service	delivery?		Yes
Does this Project reduce risk, debt, or vulnerabilities (i.e	e. technology, cyberse	ecurity, legal, infrastruc	ture, etc.)?	No
Does this Project improve or enhance safety for Central	Hudson employees, o	contractors or the publi	c?	Yes
Prioritization Ranking*	•			
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.	↑ VERY HIGH		VERY LOW	



	Capital Estimate Summary		= 1st year of the ar budget plan All future year cost estimates should include applicable adjustments for inflation.						
	\$29,415,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0							
A D D	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
L,	A/P Contractors & Other	27,111,000		11,690,000	4,258,000	3,693,000	3,553,000	3,917,000	
Ι τ΄	Inflation	1,359,000		250,000	183,000	231,000	294,000	401,000	
1	AFUDC*	497,000		353,000	48,000	36,000	36,000	24,000	
0	Journal Vouchers (JVs)	0							
N	CIAC Payments CREDIT	0							
3	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	28,967,000	0	12,293,000	4,489,000	3,960,000	3,883,000	4,342,000	0
	Labor (Weekly Payroll)	0							
E	Labor (Monthly Payroll)	0							
Т	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	448,000		86,000	88,000	90,000	91,000	93,000	
R	Overheads	0							
M	Journal Vouchers (JVs)	0		1000					
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0							
T	Joint Utility Payments CREDIT	0							
S	TOTAL REMOVALS:	448,000	0	86,000	88,000	90,000	91,000	93,000	0
_	* AFUDC may require adjustment after Finance Depart								
	Expense \$ (if applicable):	0							
(Surrent Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				
	روای ور اور او	* Not applicable fr		ot process when					

* Not applicable for 2025-2029 budget process when



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Preliminary (that final cost will be within +/-20% of the estimate): **High Confidence Cost Estimate Confidence:** No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 23,532,000 35.298.000 overwritten if desired. No explanation on confidence level required. **Historical Unit Pricing** Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): The Category 24 - Gas New Business budget is established using historic customer additions and spending run rates. Budget dollars are allocated to specific and blanket categories, but can be reallocated within the category as actual spending varies from projections.

	Re	sidential			Cos	t per Customer	Gas DIP Service		Cost per Customer									
Year	ade	ditions 0	Commercial additions Tota	al Cat 2	4 Total Spend Cor	nection	Transfers	Cat 24 spend w/o DIP	Connection w/o DIP		Forecast fro	m Stacy	2024	2025	2026	2027	2028	2029
	2023	643	139	782 \$	10,578,088 \$	13,526.97	\$ 3,000,000	\$ 7,578,088	3 \$ 9,690.6	5	Electr	ric custo	1758	1431	1225	1166	1189	1189
	2022	1005	157	1162 \$	10,453,436 \$	8,996.07	\$ 3,275,846	\$ 7,177,590	0 \$ 6,176.9	3	Gas c	ustomer	1000	975	899	865	897	897
	2021	934	106	1040 \$	11,099,098 \$	10,672.21	\$ 2,575,861	\$ 8,523,23	7 \$ 8,195.4	2								
	2020	919	129	1048 \$	9,217,787 \$	8,795.60	\$ 2,109,165	\$ 7,108,622	2 \$ 6,783.0	04								
	2019	1056	156	1212 \$	9,752,807 \$	8,046.87	\$ 2,521,814	\$ 7,230,993	3 \$ 5,966.1	.7								
											DIP c	osts	2023	2022	2021	2020	2019	
				3 yea	r average \$	11,065.08		2 year average	\$ 7,933.7	19			\$	1,780,110 \$	713,260 \$	692,306 \$	662,471	
													\$	67,117 \$	66,699 \$	96,783 \$	131,383	
													\$	5,079 \$	8,816 \$	3,544 \$	29,745	
Forecast		2025	2026	2027	2028	2029							\$	911,253 \$	778,355 \$	497,981 \$	233,040	
Gas customers * From Stacy Feb 2024		1037	487	410	383	410							\$	512,286 \$	1,008,732 \$	818,552 \$	1,465,176	
Cost per Customer Addition	\$	7,934	\$ 8,172 \$	8,417 \$	8,669 \$	8,930												
Total necessary capital	\$	8,227,339	\$ 3,979,668 \$	3,450,952 \$	3,320,405 \$	3,661,115	\$ 22,639,479				sum	\$	- \$	3,275,846 \$	2,575,861 \$	2,109,165 \$	2,521,814	
									10	00								
DIP Services removed																		
Updates for Prevailing Wage Februar	y 21, 202	4																
Prevailing Wage % increase		14%																
	Pe	rcent spilt by Fur 9	% impact by prevailing w	1H2025	2H2025	2025	1H202	5 2H2O2	6 20	26 2027	2028	2029						
Gas NB Traditional New Business		30%	0.49	1,327	1,327	2655	64	2 64	2 12	84 1114	1071	1181						
Gas New Bus Locals & Serv Blankets		65%	0.49	2,851	2,851	5702	137	9 137	9 27	58 2392	2301	2537						
Gas NB Commericial Conversions		2%	0.58	88	88	176	4	3 4	3	85 74	71	78						
Gas NB Simpy Better		3%	0.77	135	135	271	6	5 6	5 1	31 114	109	120						
delta						1068			-30	88 -3588	-4224	-4092						

2-241L-00-06 - GAS MAIN NEW BUSINESS - SYSTEM

Charges Impacted by Prevailing Wage All Other Charges Total	1,503,208.95	\$ 632,979.61	\$ \$	2022 734,033.88 1,312,424.91 2,046,458.79	\$ 351,825.39	\$ \$	2,830,205.37 3,800,438.86	Charges Impact All Other Charg Total
Percentage	19%	53%		36%	74%		43%	Percentage
2-241L-00-06 - GAS MAIN NEW BUSINESS - SYSTEM								
	2020	2021		2022	2023	тс	TAL	
Charges Impacted by Prevailing Wage	\$ 219,244.19	\$ 12,957.96	\$	43,301.55	\$ 294,166.94	\$	569,670.64	
All Other Charges	\$ 5,419.43	\$ 41,206.83	\$	233,251.14	\$ 134,774.09	\$	414,651.49	
Total	\$ 224,663.62	\$ 54,164.79	\$	276,552.69	\$ 428,941.03	\$	984,322.13	
Percentage	98%	24%		16%	69%		58%	
2-2431-00-18 GAS NB - SIMPLY BETTER - RES								
	2020	2021		2022	2023	тс	TAL	
Charges Impacted by Prevailing Wage	\$ 306,804.08	\$ 258,600.20	\$	332,933.18	\$ 167,346.91	\$	1,065,684.37	
All Other Charges	\$ (7,536.70)	\$ 114,267.87	\$	85,113.80	\$ 119,171.74	\$	311,016.71	
Total	\$ 299,267.38	\$ 372,868.07	\$	418,046.98	\$ 286,518.65	\$	1,376,701.08	
Percentage	103%	69%		80%	58%		77%	
2-2411-00-18 GAS NB TRADITIONAL NEW BUSINESS								
	2020	2021		2022	2023	тс	TAL	
Charges Impacted by Prevailing Wage	\$ 648,388.12	\$ 1,606,610.42	\$	442,683.48	\$ 1,187,776.85	\$	3,885,458.87	
All Other Charges	\$ 616,625.89	\$ 1,402,062.32	\$	1,080,076.90	\$ 800,883.69	\$	3,899,648.80	
Total	\$ 1,265,014.01	\$ 3,008,672.74	\$	1,522,760.38	\$ 1,988,660.54	\$	7,785,107.67	
Percentage	51%	53%		29%	60%		50%	

ALL CATEGORIES

Total		2020	2021	2022	2023 Tot	tal
\$ 2,830,205.37	Charges Impacted by Prevailing Wage	\$ 1,538,096.11	\$ 2,591,774.24	\$ 1,552,952.09	\$ 2,668,196.81 \$	8,351,019.25
\$ 3,800,438.86	All Other Charges	\$ 2,117,717.57	\$ 2,190,516.63	\$ 2,710,866.75	\$ 1,406,654.91 \$	8,425,755.86
\$ 6,630,644.23	Total	\$ 3,655,813.68	\$ 4,782,290.87	\$ 4,263,818.84	\$ 4,074,851.72 \$	16,776,775.11
43%	Percentage	42%	54%	36%	65%	50%

2-241L-00-06 - GAS MAIN NEW BUSINESS - SYSTEM

	2020	2021	2022	2023	То	otal
No Journal Code Label (290XR charges?)	\$ 1,266,098.10	\$ 492,015.32	\$ 1,048,506.06	\$ 96,184.86	\$	2,902,804.34
AP	\$ 449,165.29	\$ 778,253.75	\$ 793,030.86	\$ 1,115,660.15	\$	3,136,110.05
FLAGGING-GAS		\$ 8,973.87	\$ 3,426.52	\$ 1,682.76	\$	14,083.15
GAS CONSTRUCTION	\$ 286,550.54	\$ 621,552.25	\$ 559,032.41	\$ 761,738.30	\$	2,228,873.50
GAS INSPECTION	\$ 57,974.02	\$ 83,079.54	\$ 85,162.37	\$ 133,295.05	\$	359,510.98
REPAIR & REPAVE STREETS	\$ 19,135.16		\$ 86,412.58	\$ 122,190.00	\$	227,737.74
OTHER	\$ 85,505.57	\$ 64,648.09	\$ 58,996.98	\$ 96,754.04	\$	305,904.68
JV	\$ 50,453.15	\$ (43,303.15)	\$ 49,823.48	\$ (41,630.28)	\$	15,343.20
MP	\$ 3,128.15	\$ 911.36	\$ 5,048.12	\$ 13,201.92	\$	22,289.55
MS	\$ 93,880.33	\$ 83,587.99	\$ 107,476.93	\$ 106,783.16	\$	391,728.41
WP	\$ 4,143.65	\$ 35,120.00	\$ 42,573.34	\$ 80,531.69	\$	162,368.68
Grand Total	\$ 1,866,868.67	\$ 1,346,585.27	\$ 2,046,458.79	\$ 1,370,731.50	\$	6,630,644.23

	2020	2021 202	2 2023 Total
Charges Impacted by Prevailing Wage	\$ 363,659.72 \$	713,605.66 \$ 734,033.88	\$ \$ 1,018,906.11 \$ 2,830,205.37
All Other Charges	\$ 1,503,208.95 \$	632,979.61 \$ 1,312,424.91	\$ 351,825.39 \$ 3,800,438.86
Total	\$ 1,866,868.67 \$ 1,3	346,585.27 \$ 2,046,458.79	\$ 1,370,731.50 \$ 6,630,644.23
Percentage	19%	53% 369	% 74% 43%

2-2421-00-18 GAS NB COMMERCIAL CONVERSIONS

	2020	2021	2022	2023		TAL
NO JOURNAL CODE LABEL	\$ 14,010.00		\$ 110.85		\$	14,120.85
AFUDC	\$ 4,697.12		\$ 2,102.85	\$ 12,728.85	\$	19,528.82
AP	\$ 232,714.58	\$ 49,606.81	\$ 129,598.06	\$ 378,431.78	\$	790,351.23
EXCAVATION			\$ 11,520.25		\$	11,520.25
FLAGGING-ELECTRIC	\$ 397.84				\$	397.84
FLAGGING-GAS			\$ 11,133.95		\$	11,133.95
GAS CONSTRUCTION	\$ 190,850.12	\$ 12,221.00	\$ 1,353.00	\$ 224,927.88	\$	429,352.00
GAS INSPECTION	\$ 27,996.23	\$ 736.96	\$ 9,630.14	\$ 28,580.26	\$	66,943.59
REPAIR & REPAVE STREETS			\$ 9,664.21	\$ 40,658.80	\$	50,323.01
OTHER	\$ 13,470.39	\$ 36,648.85	\$ 86,296.51	\$ 84,264.84	\$	220,680.59
JV	\$ (54,664.73)	\$ (466.47)	\$ (7,075.00)	\$ (717.00)	\$	(62,923.20)
MP	\$ 179.13	\$ 1,912.78	\$ 50.72	\$ 660.47	\$	2,803.10
MS	\$ 14,024.84	\$ 1,921.59	\$ 17,151.96	\$ 6,033.97	\$	39,132.36
WOADJ	\$ 354.64	\$ -			\$	354.64
WP	\$ 13,348.04	\$ 1,190.08	\$ 134,613.25	\$ 31,802.96	\$	180,954.33
Grand Total	\$ 224,663.62	\$ 54,164.79	\$ 276,552.69	\$ 428,941.03	\$	984,322.13
	2020	2021	2022	2023	TO	TAL
Charges Impacted by Prevailing Wage	\$ 219,244.19	\$ 12,957.96	\$ 43,301.55	\$ 294,166.94	\$	569,670.64
All Other Charges	\$ 5,419.43	\$ 41,206.83	\$ 233,251.14	\$ 134,774.09	\$	414,651.49

Total	\$ 224,663.62	\$ 54,164.79	\$ 276,552.69	\$ 428,941.03	\$ 984,322.13
Percentage	98%	24%	16%	69%	58%

2-2431-00-18 GAS NB - SIMPLY BETTER - RES

2020		2021		2022		2023 TO		DTAL	
	\$	16.30					\$	16.30	
	\$	386.25	\$	561.43			\$	947.68	
\$ 349,459.35	\$	313,944.16	\$	423,569.56	\$	245,118.33	\$	1,332,091.40	
					\$	8,947.76	\$	8,947.76	
\$ 393.84							\$	393.84	
\$ 824.20	\$	3 <i>,</i> 804.58	\$	6,521.63	\$	8,213.70	\$	19,364.11	
\$ 272,474.39	\$	206,966.19	\$	277,614.47	\$	123,082.63	\$	880,137.68	
\$ 15,952.85	\$	26,631.38	\$	8,347.48	\$	2,922.91	\$	53,854.62	
\$ 17,158.80	\$	21,198.05	\$	40,449.60	\$	24,179.91	\$	102,986.36	
\$ 42,655.27	\$	55 <i>,</i> 343.96	\$	90,636.38	\$	77,771.42	\$	266,407.03	
\$ (99,177.73)	\$	(88,876.65)	\$	(97,925.93)	\$	(48,385.51)	\$	(334,365.82)	
\$ 992.86	\$	1,672.91	\$	296.01	\$	1,338.73	\$	4,300.51	
\$ 11,789.79	\$	12,307.19	\$	15,782.35	\$	40,238.62	\$	80,117.95	
\$ 0.00	\$	29,148.39	\$	(24,016.23)	\$	12,562.75	\$	17,694.91	
\$ 36,203.11	\$	104,269.52	\$	99,779.79	\$	35,645.73	\$	275,898.15	
\$ 299,267.38	\$	372,868.07	\$	418,046.98	\$	286,518.65	\$	1,376,701.08	
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	 \$ 349,459.35 \$ 393.84 \$ 824.20 \$ 272,474.39 \$ 15,952.85 \$ 17,158.80 \$ 42,655.27 \$ (99,177.73) \$ 992.86 \$ 11,789.79 \$ 0.00 	 \$349,459.35 \$349,459.35 \$393.84 \$393.84 \$393.84 \$393.84 \$15,952.85 \$15,952.85 \$17,158.80 \$17,158.80 \$42,655.27 \$42,655.27 \$42,655.27 \$42,655.27 \$17,158.80 \$17	 \$ 16.30 \$ 349,459.35 \$ 349,459.35 \$ 313,944.16 \$ 349,459.35 \$ 313,944.16 \$ 393.84 \$ 393.84 \$ 393.84 \$ 272,474.39 \$ 206,966.19 \$ 15,952.85 \$ 206,966.19 \$ 15,952.85 \$ 206,966.19 \$ 15,952.85 \$ 206,966.19 \$ 17,158.80 \$ 206,966.19 \$ 17,158.80 \$ 21,198.05 \$ 42,655.27 \$ 21,198.05 \$ 42,655.27 \$ 55,343.96 \$ 10,72.91 \$ 11,789.79 \$ 12,307.19 \$ 29,148.39 \$ 36,203.11 \$ 104,269.52 	\$ 16.30 \$ 386.25 \$ \$ 349,459.35 \$ 313,944.16 \$ \$ 349,459.35 \$ 313,944.16 \$ \$ 393.84 * * * \$ 393.84 * * * \$ 824.20 \$ 3,804.58 \$ \$ 272,474.39 \$ 206,966.19 \$ \$ 15,952.85 \$ 26,631.38 \$ \$ 17,158.80 \$ 21,198.05 \$ \$ 42,655.27 \$ 55,343.96 \$ \$ 992.86 \$ 1,672.91 \$ \$ 992.86 \$ 1,672.91 \$ \$ 992.86 \$ 1,672.91 \$ \$ 992.86 \$ 1,672.91 \$ \$ 90.00 \$ 29,148.39 \$ \$ 0.000 \$ 29,148.39 \$	i 16.30 i 386.25 \$ 561.43 i 349,459.35 i 313,944.16 i 423,569.56 i 393.84 i i 3804.58 i 423,569.56 i 393.84 i 3,804.58 i 6,521.63 i 272,474.39 i 206,966.19 i 277,614.47 i 15,952.85 i 26,631.38 i 8,347.48 i 17,158.80 i 21,198.05 i 40,449.60 i 17,158.80 i 16,8376.65 i 90,636.38 i 992.86 i 16,72.91 i 296.01 i 11,789.79 i 12,307.19 i 15,782.35 i 0.000 i 29,148.39 i 24,016.23) i 36,203.11 i 104,269.52 i 99,779.79	\$ 16.30 \$ 349,459.35 \$ 313,944.16 \$ 423,569.56 \$ \$ 349,459.35 \$ 313,944.16 \$ 423,569.56 \$ \$ 349,459.35 \$ 313,944.16 \$ 423,569.56 \$ \$ 393.84 5 5,51.43 \$ 6,521.63 \$ \$ 824.20 \$ 3,804.58 \$ 2,77,614.47 \$ \$ 15,952.85 \$ 26,631.38 \$ 8,347.48 \$ \$ 17,158.80 \$ 21,198.05 \$ 40,449.60 \$ \$ 42,655.27 \$ 55,343.96 \$ 90,636.38 \$ \$ 992.86 \$ 1,672.91 \$ 296.01 \$ \$ 992.86 \$ 1,672.91 \$ 296.01 \$ \$ 992.86 \$ 1,672.91 \$ 296.01 \$ \$ 992.86 \$ 29,148.39 \$ 24,016.23 \$ \$	i i	i i	

	2020	2021	2022	2023	TOTAL
Charges Impacted by Prevailing Wage	\$ 306,804.08	\$ 258,600.20	\$ 332,933.18	\$ 167,346.91	\$ 1,065,684.37
All Other Charges	\$ (7,536.70)	\$ 114,267.87	\$ 85,113.80	\$ 119,171.74	\$ 311,016.71
Total	\$ 299,267.38	\$ 372,868.07	\$ 418,046.98	\$ 286,518.65	\$ 1,376,701.08
Percentage	103%	69%	80%	58%	77%

688

2-2411-00-18 GAS NB TRADITIONAL NEW BUSINESS

	2020	2021	2022	2023		TAL
NO JOURNAL CODE LABEL	\$ 1,878.45	\$ 176,922.64	\$ -	\$ 46,211.39	\$	225,012.48
AFUDC	\$ 4,875.93	\$ 15,945.97	\$ 3,134.94	\$ 7,431.20	\$	31,388.04
AP	\$ 884,334.52	\$ 2,172,741.36	\$ 1,109,701.11	\$ 1,827,939.14	\$	5,994,716.13
EXCAVATION	\$ 4,769.55	\$ 7,906.84	\$ 9,912.00	\$ 65,195.63	\$	87,784.02
FLAGGING-ELECTRIC	\$ 658.84				\$	658.84
FLAGGING-GAS	\$ 14,446.74	\$ 2,475.75	\$ 8,988.72	\$ 5,491.20	\$	31,402.41
GAS CONSTRUCTION	\$ 544,742.86	\$ 1,349,839.07	\$ 334,420.82	\$ 917,685.47	\$	3,146,688.22
GAS INSPECTION	\$ 60,436.83	\$ 212,977.26	\$ 42,134.27	\$ 113,424.47	\$	428,972.83
REPAIR & REPAVE STREETS	\$ 23,333.30	\$ 33,411.50	\$ 47,227.67	\$ 85,980.08	\$	189,952.55
OTHER	\$ 235,946.40	\$ 566,130.94	\$ 667,017.63	\$ 640,162.29	\$	2,109,257.26
JV	\$ (189,832.96)	\$ (170,256.59)	\$ (28,662.88)	\$ (450,826.64)	\$	(839,579.07)
MP	\$ 9,196.58	\$ 43,303.66	\$ 10,261.14	\$ 8,751.56	\$	71,512.94
MS	\$ 139,474.64	\$ 218,846.86	\$ 111,864.42	\$ 166,907.52	\$	637,093.44
WOADJ	\$ (65,350.01)	\$ 3,506.75	\$ 2,375.49	\$ 1,208.06	\$	(58,259.71)
WP	\$ 480,436.86	\$ 547,662.09	\$ 314,086.16	\$ 381,038.31	\$	1,723,223.42
Grand Total	\$ 1,265,014.01	\$ 3,008,672.74	\$ 1,522,760.38	\$ 1,988,660.54	\$	7,785,107.67

	2020	2021	2022	2023	TOTAL
Charges Impacted by Prevailing Wage	\$ 648,388.12	\$ 1,606,610.42	\$ 442,683.48	\$ 1,187,776.85	\$ 3,885,458.87
All Other Charges	\$ 616,625.89	\$ 1,402,062.32	\$ 1,080,076.90	\$ 800,883.69	\$ 3,899,648.80
Total	\$ 1,265,014.01	\$ 3,008,672.74	\$ 1,522,760.38	\$ 1,988,660.54	\$ 7,785,107.67

Percentage

51%

53%

29%

60%

50%



Submission Date:	April 30, 2024	First Year of 5-Year Budget	2025		
		Budget Category:		_25	
Business Sponsor:	E. Kiszkiel	Budget Group:	Gas		
Prepared By:	J. Mead	Current Life-Cycle Phase:	1 Planning		
A. GENERAL					
Project/Program Na	me: Gas Distribution Improvement - Locals	Wo	rk Order #:	-	
Funding Project Des	scription: GAS DI-DIST IMPROVEMENT-LOCALS	Funding Proje	ct Number:	2-251L-00-08	
Is this a Specific Pro	oject, Program or Blanket? Blanket	Target Schedule - Start: 1/1/2024	In-Serv	ice: 12/31/2028	

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: Various local WO's that occur in the district for service and main work; planned and emergent.

Describe the project objective and scope of work:

Various local WO's that occur in the district for service and main work; planned and emergent.

Describe specific scope exclusions, assumptions and constraints: Excludes WO exceeding \$25K in cost.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? $\ensuremath{\mathsf{N/A}}$

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$



C. JUSTIFICATION

Load Based/Infrastructure: Infra Discretion Level: Non

Infrastructure Non-Discretionary Growth/Sustaining/Retirement: Distribution Sustaining Investment Type: Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Blanket program to capture costs for local WO's

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Operational need, scenario dependent.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

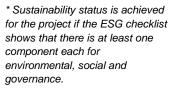
Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: YesEnvironmental Component:YesSocial Component:YesGovernance Component:No

Is complete <u>Sustainability</u> status achieved by this project?* No

Operational Excellence Improve system performance and resilience DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE PSC Gas Safety

CLICK HERE





What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?YesIf No, why should this project be completed instead of a planned project?N/A

Why do we need to complete this project in the period requested? Operational need of the district, often based on the 100 foot tariff.

What are the risks and consequences of not completing this project?

Regulatory requirement, safety, customer satisfaction, growth, etc.

Is this Project in Central Hudson's current approved rate case? Yes, for the replacement of mains for leak repairs.						
Is this Project tied to a regulatory requirement?						
Yes, CH must repair leaks, and in some cases will perform repairs via pipe replacement. Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? Yes, cost avoidance with any events related to leaks.						
Does this Project enhance Central Hudson's customer experience or service delivery?						
Yes, improves reliability by reducing the risk of leak and/or outage. Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes, reduces risk by reducing the numbers of leaks.						
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes, safety is improved by leak reduction and improved installation and documentation methods.						
Prioritization Ranking*						
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.						



D. COST ESTIMATE

	Capital Estimate Summary	Year 1 = 1st year of the 5-year budget planAll future year cost estimates should include applicable adjustments for inflation.							
	\$2,515,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	158,000		31,000	31,000	32,000	32,000	32,000	
	Labor (Monthly Payroll)	113,000		22,000	22,000	23,000	23,000	23,000	
A	Stock Materials	226,000		44,000	45,000	45,000	46,000	46,000	
	A/P Non-Stock Material	0							
ľ	A/P Contractors & Other	1,761,000		339,000	347,000	353,000	361,000	361,000	
Ι τ	Inflation	141,000		9,000	19,000	28,000	38,000	47,000	
1	AFUDC*	25,000		3,000	5,000	5,000	5,000	7,000	1
0	Journal Vouchers (JVs)	0							
N	CIAC Payments CREDIT	0							
3	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	2,424,000	0	448,000	469,000	486,000	505,000	516,000	0
	Labor (Weekly Payroll)	0							
E	Labor (Monthly Payroll)	0							
Т	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	91,000		17,000	18,000	18,000	19,000	19,000	
R	Overheads	0							
M	Journal Vouchers (JVs)	0							
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0			2				
T	Joint Utility Payments CREDIT	0							
S	TOTAL REMOVALS:	91,000	0	17,000	18,000	18,000	19,000	19,000	0
_	* AFUDC may require adjustment after Finance Depar								
	Expense \$ (if applicable):	0							
	Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				
82		* Not applicable f	or 2025-2029 budge	t procoss whon					

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Conceptual High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-30% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 3,269,500 1,760,500 overwritten if desired. No explanation on confidence level required. Historical Proforma Pricing Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Used historical spends and proforma pricing to extrapolate and calculate need for new budget estimates.



Submission Date:	April 30, 2024	First Year of 5-Year Budget I	Period:	2025			
		Budget Category:		_25			
Business Sponsor:	E. Kiszkiel	Budget Group:	Gas				
Prepared By:	J. Mead	Current Life-Cycle Phase:	1 Planning				
A. GENERAL							
Project/Program Name: Gas Distribution Service Blankets - Emergent/DIP Work Order #:							
Funding Project Des	scription: GAS DI-SERVICE REPS - BLANKETS	Funding Project	ct Number:	2-251L-01-08			
Is this a Specific Pro	oject, Program or Blanket? Blanket	Target Schedule - Start: 1/1/2024	In-Serv	ice: 12/31/2028			

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: N/A

Describe the project objective and scope of work:

Blanket work orders that encompass emergengent service replacements, isolated service replacements, and service work associated with DIP work (swaps and replacements).

Describe specific scope exclusions, assumptions and constraints:

Includes all service work associated with DIPs and/or isolated services, as well as replacements of services due to leaks. No exclusions.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? $N\!/\!A$

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$



C. JUSTIFICATION

Load Based/Infrastructure: Infra Discretion Level: Non

Infrastructure Non-Discretionary Growth/Sustaining/Retirement: Distribution Sustaining Investment Type: Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Blanket program to capture costs for local WO's

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Operational need, scenario dependent.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

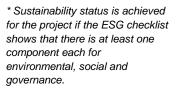
Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: YesEnvironmental Component:YesSocial Component:YesGovernance Component:No

Is complete <u>Sustainability</u> status achieved by this project?* No

Operational Excellence Improve system performance and resilience DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE PSC Gas Safety

CLICK HERE





What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?YesIf No, why should this project be completed instead of a planned project?N/A

Why do we need to complete this project in the period requested?

Operational need based on the project scopes, and any emergent work

What are the risks and consequences of not completing this project?

Regulatory requirement, safety, customer satisfaction, growth, etc.

Is this Project in Central Hudson's current approved rate case?							
Yes, has been in last several rate cases as it is associated with all DIP work.							
Is this Project tied to a regulatory requirement?							
Yes, the leak prone pipe replacement program. Required to do 15 miles a year and all associated services.							
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?	Yes						
Yes, cost avoidance and saving with reductions of leaks, mitigation of risk, and improved installation methods and docur	mentation.						
Does this Project enhance Central Hudson's customer experience or service delivery?							
Yes, increases reliability, resiliency, and reduces risk.							
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?	Yes						
Yes, reduces risk of leaks.							
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?	Yes						
Yes, improves safety due to leak reduction and improved methods of installation and documentation.							
Prioritization Ranking*							
* Prioritization Ranking is intended to be high level and is							
not intended to differentiate between projects with the I I I I I I I I I I I I I I I I I I I							
)W						



D. COST ESTIMATE

	Capital Estimate Summary	year of the dget plan							
	\$77,406,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	4,913,000		1,305,000	1,211,000	1,062,000	1,111,000	224,000	
	Labor (Monthly Payroll)	3,508,000		932,000	864,000	758,000	794,000	160,000	
A	Stock Materials	7,017,000		1,864,000	1,729,000	1,517,000	1,587,000	320,000	
	A/P Non-Stock Material	0							
	A/P Contractors & Other	51,920,000		13,792,000	12,793,000	11,224,000	11,744,000	2,367,000	
Ιt	Overheads & Other	6,535,000		1,144,000	1,431,000	1,557,000	1,949,000	454,000	
1	AFUDC*	707,000		127,000	196,000	156,000	177,000	51,000	
0	Journal Vouchers (JVs)	0							;===
N	CIAC Payments CREDIT	0							
3	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	74,600,000	0	19,164,000	18,224,000	16,274,000	17,362,000	3,576,000	0
	Labor (Weekly Payroll)	0		1					
E	Labor (Monthly Payroll)	0							
T	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	2,806,000		746,000	692,000	607,000	635,000	126,000	
R	Overheads	0							
M	Journal Vouchers (JVs)	0							
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0							
T	Joint Utility Payments CREDIT	0							
S	TOTAL REMOVALS:	2,806,000	0	746,000	692,000	607,000	635,000	126,000	0
_	* AFUDC may require adjustment after Finance Depar	tment review.							
	Expense \$ (if applicable):	0							
(Current Approved Rate Case Funding (\$):	n/a*	n/a* or 2025-2029 budo	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Conceptual High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-30% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 54,184,200 100,627,800 overwritten if desired. No explanation on confidence level required. Historical Proforma Pricing Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Used historical spends and proforma pricing to extrapolate and calculate need for new budget estimates.



Submission Date: April 30, 2024		First Year of 5-Year Budget I	2025	
		Budget Category:		_25
Business Sponsor:	E. Kiszkiel	Budget Group:	Gas	
Prepared By:	J. Mead	Current Life-Cycle Phase:	1 Planning	
A. GENERAL				
Project/Program Nar	ne: Identified Reinforcements	Wo	rk Order #:	-
Funding Project Des	cription: GAS DI-IDENT PROJ NON CI OR STL	Funding Proje	ct Number:	2-2511-00-18
Is this a Specific Pro	ject, Program or Blanket? Program	Target Schedule - Start: 1/1/2024	In-Serv	ice: 12/31/2028

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: N/A

Describe the project objective and scope of work:

Individual detailed project scopes are developed as needed, according to the potential planned year of the project.

Describe specific scope exclusions, assumptions and constraints:

Reinforcements to the gas distribution are required in areas where the system may be below base risk, where growth is anticipated, and/or when large loads are requested to be put on the system.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? Load shifting, changing of regulator station equipment, looping mains, and NPA's are always considered prior to reinforcement.

Why was the proposed project scope chosen over other alternatives?

To maintain the system reliability and resiliency, while maintaining gas service to the current customer base.



C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure	Growth/Sustaining/Retirement:	Distribution Sustaining
Discretion Level:	Maintain System Standards	Investment Type:	Infrastructure
		Is there	an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Reinforcements to the gas distribution system are required in areas where the system may be below base risk, operating below 50% MAOP, where growth may be anticipated, or where large loads are requested to be put on the system. In some areas requests for new service may not be possible without a reinforcement.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Reinforcing the system allows the system to maintain reliability and resiliency, and in some instances allow for future growth.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Operational Excellence Improve system performance and resilience DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE PSC Gas Safety

CLICK HERE

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: YesEnvironmental Component:YesSocial Component:YesGovernance Component:Yes

Is complete <u>Sustainability</u> status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.



Why do we need to complete this project in the period requested?

What is the relative urgency of this project? Low	Other projects with higher relative urgency should take precedence over this project.					
Was this project included in a prior 5-year forecast?	Yes					
If No, why should this project be completed instead of a planned project?						
N/A						

Some of these projects coincide with the LPP program, and others are to improve operational reliability, and cold weather hardening.

What are the risks and consequences of not complet Would not contribute to LPP where applicable, and would	• • •		to capacity constraints.
Is this Project in Central Hudson's current approved Yes, as some reinforcements are required to operate the		d reliably	Yes
Is this Project tied to a regulatory requirement?		·	Yes
Yes, as some reinforcements are required to operate the Does this Project result in cost avoidance, cost savir Yes, as cost are avoided by reinforcing system that may	ngs, or additiona	I revenue for Central Hudson?	Yes ner, avoiding interruptions or outages.
Does this Project enhance Central Hudson's custom Yes, as this improves reliability.	er experience or	service delivery?	Yes
Does this Project reduce risk, debt, or vulnerabilities Yes, as this improves reliability, and reduces the risk of h			
Does this Project improve or enhance safety for Centry Yes, as this improves reliability, and reduces the risk of h Prioritization Rankin	tral Hudson emp	loyees, contractors or the publ	ic? Yes
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.			



D. COST ESTIMATE

	Capital Estimate Summary	timate Summary Year 1 = 1st year of the 5-year budget plan			All future year cost estimates should include applicable adjustments for inflation.				
	\$17,704,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	1,116,000		273,000	237,000	202,000	202,000	202,000	
	Labor (Monthly Payroll)	796,000		195,000	169,000	144,000	144,000	144,000	
A	Stock Materials	1,595,000		390,000	338,000	289,000	289,000	289,000	
	A/P Non-Stock Material	0							
1	A/P Contractors & Other	12,434,000		3,045,000	2,636,000	2,251,000	2,251,000	2,251,000	
Ιť		944,000		83,000	145,000	181,000	239,000	296,000	
1	AFUDC*	173,000		27,000	38,000	30,000	32,000	46,000	
0	Journal Vouchers (JVs)	0							
N	CIAC Payments CREDIT	0							
3	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	17,058,000	0	4,013,000	3,563,000	3,097,000	3,157,000	3,228,000	0
	Labor (Weekly Payroll)	0							
E	Labor (Monthly Payroll)	0							
T	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	646,000		156,000	135,000	115,000	115,000	125,000	
R	Overheads	0							
M	Journal Vouchers (JVs)	0		1000	·				
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0						-	
	Joint Utility Payments CREDIT	0							
S	TOTAL REMOVALS:	646,000	0	156,000	135,000	115,000	115,000	12,000	0
	* AFUDC may require adjustment after Finance Depa								
2	Expense \$ (if applicable):	0						-	
	Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				
82		* Not applicable f	or 2025, 2029 budg	of process when					

* Not applicable for 2025-2029 budget process when

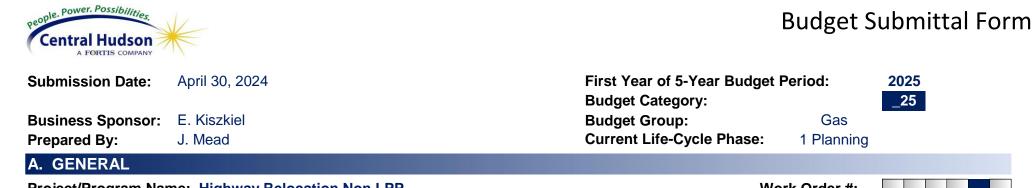
rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM	
Cost Estimate Level: Conceptual Cost Estimate Confidence: (that final cost will be within +/-30% of the estimate): High Confidence	
No further estimate range is required.	Formulas give standard ranges
Cost Estimate Range:Minimum (\$):12,392,800Maximum (\$):23,015,200No explanation on confidence level required.	 per estimate level, but may be overwritten if desired.
Basis for estimate: Historical Proforma Pricing (select all that apply)	
Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?	No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Budget estimates are based on project scope and historic project spends to extrapolate for new updated proforma pricing.



Project/Program Name: Highway Relocation No	n LPP	Work Oi	rder #:	-
Funding Project Description: GAS DI-HIGHWAY	RELO NON CI OR STL	Funding Project Nu	ımber:	2-2521-00-18
Is this a Specific Project, Program or Blanket?	Program	Target Schedule - Start: 1/1/2024	In-Servi	ice: 12/31/2028

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Describe the project objective and scope of work:

This program encompasses all main relocations that are not LPP due to municipality work (paving, beautification, road rebuilds, etc.)

Describe specific scope exclusions, assumptions and constraints:

These projects are emergent and require Central Hudson to work with the municipalities to coordinate efforts.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? Alternatives such as rerouring in different areas, or retiring all together, where applicable.

Why was the proposed project scope chosen over other alternatives?

Requirement of downstream systems to operate properly generally dictate that the replacement must be completed.



C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure	Growth/Sustaining/Retirement:	Distribution Sustaining
Discretion Level:	Maintain System Standards	Investment Type:	Infrastructure
		Is there	an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. This program is required to accommodate municipality work when Central Hudson infrastructure has project interference. Planning and prioritization is only achievable when communication from the municipalities is had, otherwise these are emergent projects.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Avoids any interference issues, dig ins, and allows municipalities to continue with their work.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (*CATS-4220, 4222, 4230, 4235, 44*):

Operational Excellence Improve system performance and resilience DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE PSC Gas Safety

CLICK HERE

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed:		Environmental Component:	Vaa	* Sustainability status is achieved for the project if the ESG checklist
		Social Component:	105	shows that there is at least one
		Governance Component:	Mayba - Requires further scope development	component each for environmental. social and
Is complete Sustaina	ability sta	atus achieved by this project?*	Maybe - Requires further scope development	



What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?YesIf No, why should this project be completed instead of a planned project?N/A

Why do we need to complete this project in the period requested?

Maintain gas service where it has already been established.

What are the risks and consequences of not completing this project?

Hinders municipality work, and exposes the company to higher risk of dig in and or damage.

Is this Project in Central Hudson's current approved rate	e case?	Yes
Yes, is in the approved rate case. Is this Project tied to a regulatory requirement?		No
Does this Project result in cost avoidance, cost savings, Yes, as this allows Central Hudson to work with municipalitie		Yes
Does this Project enhance Central Hudson's customer energy Yes, as this allows the municipalities to continue their work w	•	Yes structure.
Does this Project reduce risk, debt, or vulnerabilities (i.e Yes, as this allows the municipalities to continue their work w	0.	· •
Does this Project improve or enhance safety for Central Yes, as this allows the municipalities to continue their work w		
Prioritization Ranking*		
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.	↑ VERY HIGH	VERY LOW



D. COST ESTIMATE

Capital Estimate Summary	Year 1 = 1st year of theAll future year cost estimates should include5-year budget planapplicable adjustments for inflation.							
\$6,963,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
Labor (Weekly Payroll)	438,000		84,000	86,000	88,000	90,000	90,000	
Labor (Monthly Payroll)	313,000		60,000	62,000	63,000	64,000	64,000	
A Stock Materials	626,000		121,000	123,000	126,000	128,000	128,000	
A/P Non-Stock Material	0			-	-			
A/P Contractors & Other	4,874,000		941,000	961,000	978,000	997,000	997,000	
T Inflation	393,000		26,000	52,000	79,000	106,000	130,000	
I AFUDC*	70,000		8,000	14,000	13,000	14,000	21,000	
O Journal Vouchers (JVs)	0							
CIAC Payments CREDIT	0							
Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:	6,714,000	0	1,240,000	1,298,000	1,347,000	1,399,000	1,430,000	0
Labor (Weekly Payroll)	0					(
E Labor (Monthly Payroll)	0							
T A/P Non-Labor (dumpsters, etc.)	0							
I A/P Contractors	249,000		48,000	49,000	50,000	51,000	51,000	
R Overheads	0							
Journal Vouchers (JVs)	0			1.200				
E Salvage CREDIT	0							
N CIAC Payments CREDIT	0							
Joint Utility Payments CREDIT	0							
S TOTAL REMOVALS:	249,000	0	48,000	49,000	50,000	51,000	51,000	0
* AFUDC may require adjustment after Finance Depar	ment review.							
Expense \$ (if applicable):	0							
Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Conceptual High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-30% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 4,874,100 9,051,900 overwritten if desired. No explanation on confidence level required. Historical Proforma Pricing Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Historical project actuals are extrapolated to determine future budget needs.



Submission Date:	April 30, 2024	First Year of 5-Year Budget F	Period:	2025
		Budget Category:		_25
Business Sponsor:	E. Kiszkiel	Budget Group:	Gas	
Prepared By:	J. Mead	Current Life-Cycle Phase:	1 Planning	
A. GENERAL				
Project/Program Nan	ne: Gas Distribution Corrosion Control	Wo	rk Order #:	-
Funding Project Des	cription: GAS DI-CATHODICS	Funding Project	ct Number:	2-2551-01-18
Is this a Specific Pro	ject, Program or Blanket? Blanket	Target Schedule - Start: 1/1/2024	In-Serv	ice: 12/31/2028

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: N/A

Describe the project objective and scope of work:

Cathodic protection work on the distribution system, typically consisting of new test station and anode installations where needed, managed by the Cathodic Protection Engineer.

Describe specific scope exclusions, assumptions and constraints: Exludes repair work only.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? $\ensuremath{\mathsf{N/A}}$

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$



C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure	Growth/Sustaining/Retirement: Distribution Sustaining
Discretion Level:	Non-Discretionary	Investment Type: Infrastructure
		Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Blanket program to capture costs for installation of anodes and test station in each of the operating districts.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Operational need, scenario dependent.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: YesEnvironmental Component:YesSocial Component:YesGovernance Component:No

Is complete <u>Sustainability</u> status achieved by this project?* No

Operational Excellence Improve system performance and resilience DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE PSC Gas Safety

CLICK HERE

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.



What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?YesIf No, why should this project be completed instead of a planned project?N/A

Why do we need to complete this project in the period requested?

Operational need based on cathodic testing and monitoring within the districts.

What are the risks and consequences of not completing this project?

Regulatory requirement, safety, customer satisfaction, growth, etc.

Is this Project in Central Hudson's current approved rate case? Yes, has been in last several rate cases as well.	Yes			
Is this Project tied to a regulatory requirement? Yes, we must maintain cathodic protection on all steel systems.	Yes			
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? Yes, reduces cost associated with emergent leak repair and/or leaks associated with corroded pipelines.	Yes			
Does this Project enhance Central Hudson's customer experience or service delivery?	Yes			
Yes, protects steel systems to reduce corrosion, thus leaks. Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Reduces risk of corrosion leaks.				
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes, improves safety by reducing leaks.	Yes			
Prioritization Ranking*				
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.				



D. COST ESTIMATE

Capital Estimate Summary		Year 1 = 1st year of the 5-year budget planAll future year cost estimates should include applicable adjustments for inflation.						
\$2,024,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
Labor (Weekly Payroll)	0							
Labor (Monthly Payroll)	95,000		18,000	19,000	19,000	19,000	20,000	
A Stock Materials	188,000		36,000	37,000	38,000	38,000	39,000	
A/P Non-Stock Material	0							
A/P Contractors & Other	1,601,000		308,000	315,000	320,000	326,000	332,000	
T Inflation	120,000		8,000	15,000	23,000	33,000	41,000	
I AFUDC*	20,000		2,000	4,000	4,000	4,000	6,000	
o Journal Vouchers (JVs)	0							
CIAC Payments CREDIT	0					-		
Joint Utility Payments CREDIT	0					_		
TOTAL ADDITIONS:	2,024,000	0	372,000	390,000	404,000	420,000	438,000	0
Labor (Weekly Payroll)	0							
E Labor (Monthly Payroll)	0							
T A/P Non-Labor (dumpsters, etc.)	0							
I A/P Contractors	0							
R Overheads	0							
Journal Vouchers (JVs)	0		(111)					
E Salvage CREDIT	0							
N CIAC Payments CREDIT	0							
Joint Utility Payments CREDIT	0							
S TOTAL REMOVALS:	0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Depa								
Expense \$ (if applicable):	0							
Current Approved Rate Case Funding (\$):		n/a* or 2025-2029 budge	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when

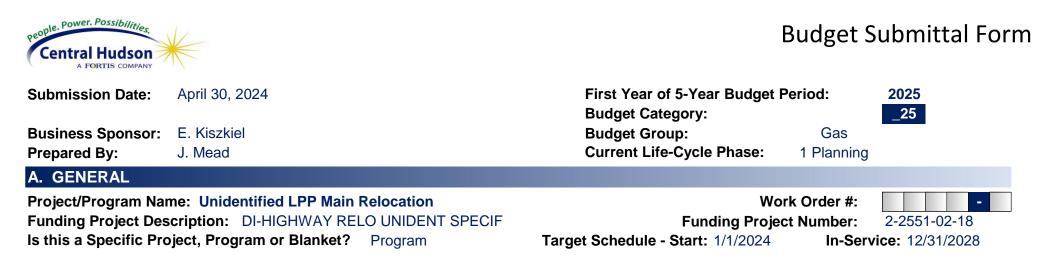
rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Conceptual High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-30% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 1,416,800 2.631.200 overwritten if desired. No explanation on confidence level required. Historical Proforma Pricing Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Used historical spends and proforma pricing to extrapolate and calculate need for new budget estimates.



Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

This program addresses LPP main relocations due to municipal work, such as paving, municipal infrastructure work, or interference. This program takes advantage of reduced capital cost by leveraging relationships with the municipalities where they may be doing paving work (or the like), reducing restoration costs.

Describe the project objective and scope of work:

Individual project scopes are determined on an annual basis by working with the municipalities and determining where work (paving, beautification projects, road rebuilds, etc.) will be done.

Describe specific scope exclusions, assumptions and constraints:

This program is part of the LPP program and is required to meet a total LPP mileage reduction of 15 miles per year.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? $N\!/\!A$

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$

C. JUSTIFICATION

Load Based/Infrastructure:InfrastructureDiscretion Level:Non-Discretionary

Growth/Sustaining/Retirement: Distribution Sustaining Investment Type: Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Leak Prone Pipe replacements are required as part of the Leak Prone Pipe elimination program, as per the 2021 rate order: "Effective in 2022, the Compnay will replace or eliminate, at a minimum, 15 miles of leak prone pipe per year and will incur an NRA of 15 BP's if mileage in any year is less than 15 miles."

Operational Excellence

Improve system performance and resilience

DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Replacement of leak prone pipe through this program will reduce the likelihood of leaks on the gas system, increasing reliability overall.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes * Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

PSC Gas Safety

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

Local municipality (1); No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component:
 Yes

 Social Component:
 Yes

 Governance Component:
 Yes

 Is complete Sustainability
 status achieved by this project?*

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

CLICK HERE





LOW

What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?YesIf No, why should this project be completed instead of a planned project?N/A

Why do we need to complete this project in the period requested? To meet PSC compliance with regards to gas safety via the LPP program.

What are the risks and consequences of not completing this project?

Increases the likelihood of leaks on the system, and prompts the Company to receive a 15 BP NRA per year.

Is this Project in Central Hudson's current approved rate case? Yes, it is in the approved rate case for the relocation of LPP associated with interference projection	Yes
Is this Project tied to a regulatory requirement?	No
Does this Project result in cost avoidance, cost savings, or additional revenue for Cent Yes, as this allows the municipality to continue their work while maintaining or improving safe	
Does this Project enhance Central Hudson's customer experience or service delivery? Yes, as this allows the municipality to continue their work while maintaining or improving safe	Yes y of our infrastructure.
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, le Yes, as this allows the municipality to continue their work while maintaining or improving safe	
Does this Project improve or enhance safety for Central Hudson employees, contractor Yes, as this allows the municipality to continue their work while maintaining or improving safe	•
Prioritization Ranking*	
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.	

HIGH



D. COST ESTIMATE

Capital Estimate Summary	Capital Estimate SummaryYear 1 = 1st year of the 5-year budget planAll future year cost estimates should include applicable adjustments for inflation.							
\$29,394,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
Labor (Weekly Payroll)	1,842,000		317,000	345,000	373,000	403,000	404,000	
Labor (Monthly Payroll)	1,316,000		226,000	246,000	267,000	288,000	289,000	
A Stock Materials	2,631,000		452,000	493,000	533,000	576,000	577,000	
A/P Non-Stock Material	0							
A/P Contractors & Other	20,524,000		3,529,000	3,843,000	4,161,000	4,489,000	4,502,000	
T Inflation	1,711,000		97,000	211,000	335,000	477,000	591,000	
I AFUDC*	299,000		31,000	56,000	55,000	64,000	93,000	
O Journal Vouchers (JVs)	0		(***)					
CIAC Payments CREDIT	0							
Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:	28,323,000	0	4,652,000	5,194,000	5,724,000	6,297,000	6,456,000	0
Labor (Weekly Payroll)	0							
E Labor (Monthly Payroll)	0							
T A/P Non-Labor (dumpsters, etc.)	0							
I A/P Contractors	1,071,000		181,000	197,000	213,000	249,000	231,000	
P Overheads	0							
Journal Vouchers (JVs)	0			1.222				
E Salvage CREDIT	0							
N CIAC Payments CREDIT	0							
Joint Utility Payments CREDIT	0							
S TOTAL REMOVALS:	1,071,000	0	181,000	197,000	213,000	249,000	231,000	0
* AFUDC may require adjustment after Finance Depar	tment review.							
Expense \$ (if applicable):	0							
Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when

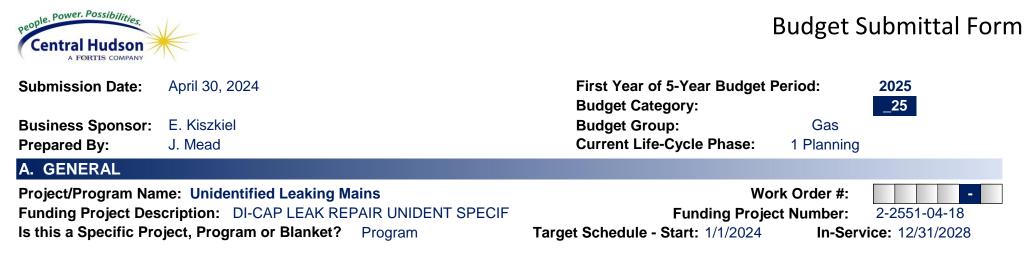
rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Preliminary **High Confidence Cost Estimate Confidence:** (that final cost will be within +/-20% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): 23,515,200 Maximum (\$): 35.272.800 overwritten if desired. No explanation on confidence level required. FOS-Generated Estimate; Historical Proforma Pricing Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Estimates are based on historical project actuals which are used to analyze proforma pricing every year and adjust accordingly. FOS estimates are not used, it cannot be deleted from the list above.



Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: This program will replace distribution main that has been identified as leaking, having water intrusion, or active corrosion, within each calendar year.

Describe the project objective and scope of work:

Individual project scopes are determined based on the emergent need, as found by either leak survey or gas operations.

Describe specific scope exclusions, assumptions and constraints:

This program is part of the LPP program and is required to contribute to the mileage target of 15 miles of LPP per year.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? $N\!/\!A$

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$

Budget Submittal Form

Growth/Sustaining/Retirement: **Distribution Sustaining Investment Type:** Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? N/A Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. This work is emergent, and therefore cannot be planned and prioritized. This work is worked on an as needed basis.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Reduces inventory of leaking pipelines.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which Strategic Theme does project most align with? Which Strategic Objective does project most align with? Which Strategic Initiative does project most align with? Which Team Goal does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: Yes **Environmental Component:** Yes **Social Component:** Yes **Governance Component:** Yes Is complete Sustainability status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

Operational Excellence Improve system performance and resilience DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE PSC Gas Safety

C. JUSTIFICATION

Load Based/Infrastructure: **Discretion Level:**

Infrastructure Maintain System Standards



CLICK HERE



 What is the relative urgency of this project?
 Immediate
 Already in-progress or recommend commencement within next 12-months.

 Was this project included in a prior 5-year forecast?
 Yes

 If No, why should this project be completed instead of a planned project?
 Yes

 N/A
 N/A

Why do we need to complete this project in the period requested?

To meet PSC compliance with regards to gas safety and the LPP program.

What are the risks and consequences of not completing this project?

Leaking mains leading to an incident, and the Company incurring NRA BP's if LPP target is not met.

Is this Project in Central Hudson's current approved rate case?	Yes
Yes, has been in the last several rate cases as well.	
Is this Project tied to a regulatory requirement?	Yes
Yes, CH must respond and fix leaks as necessary for safety.	
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? This allows for the replacement of mains for leak repairs, which avoids cost associated with events associated with leak	Yes ks.
Does this Project enhance Central Hudson's customer experience or service delivery? Yes, reduces risk via main replacement for leaks.	Yes
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?	? Yes
Yes, reduces risk via main replacement for leaks.	
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?	Yes
Yes, improves safety by reducing leaks.	
Prioritization Ranking*	
	Tery .ow



D. COST ESTIMATE

	Capital Estimate Summary		ar 1 = 1st year of the 5-year budget plan			All future year cost estimates should include applicable adjustments for inflation.							All future year cost estimates should include applicable adjustments for inflation.			
	\$5,223,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years							
-	Labor (Weekly Payroll)	328,000		63,000	65,000	66,000	67,000	67,000								
	Labor (Monthly Payroll)	234,000		45,000	46,000	47,000	48,000	48,000								
A	Stock Materials	469,000		91,000	92,000	94,000	96,000	96,000								
	A/P Non-Stock Material	0														
L.	A/P Contractors & Other	3,657,000		706,000	721,000	734,000	748,000	748,000								
Ι τ΄	Inflation	296,000		19,000	40,000	59,000	79,000	99,000								
1	AFUDC*	52,000		6,000	10,000	10,000	11,000	15,000								
0	Journal Vouchers (JVs)	0														
N	CIAC Payments CREDIT	0														
3	Joint Utility Payments CREDIT	0														
	TOTAL ADDITIONS:	5,036,000	0	930,000	974,000	1,010,000	1,049,000	1,073,000	0							
	Labor (Weekly Payroll)	0														
Ē	Labor (Monthly Payroll)	0														
Т	A/P Non-Labor (dumpsters, etc.)	0														
1	A/P Contractors	187,000		36,000	37,000	38,000	38,000	38,000								
RE	Overheads	0														
M	Journal Vouchers (JVs)	0			1 -											
E	Salvage CREDIT	0														
N	CIAC Payments CREDIT	0														
T	Joint Utility Payments CREDIT	0														
2	TOTAL REMOVALS:	187,000	0	36,000	37,000	38,000	38,000	38,000	0							
	* AFUDC may require adjustment after Finance Depar															
	Expense \$ (if applicable):	0														
(Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*											

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Preliminary High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-20% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 4,178,400 6,267,600 overwritten if desired. No explanation on confidence level required. Historical Unit Pricing Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Historical project quantities and actual spends are extrapolated to determine future budget need.



Budget Submittal Form

Submission Date:	April 30, 2024	First Year of 5-Year Budget	Period:	2025
		Budget Category:		_25
Business Sponsor:	E. Kiszkiel	Budget Group:	Gas	
Prepared By:	J. Mead	Current Life-Cycle Phase:	0 Identified;	Not Started
A. GENERAL				
Project/Program Nar	ne: Leak Prone Pipe Main Replacements	Wo	ork Order #:	-
Funding Project Des	cription: DI-IDENTIF CI/STEEL MAIN REMOVAL	Funding Proje	ct Number:	2-2580-00-18
Is this a Specific Pro	oject, Program or Blanket? Program	Target Schedule - Start: 1/1/2024	In-Serv	vice: 12/31/2028

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:

Gas distribution main replacements in accordance with the LPP replacement, see Capital Input File for project listings.

Describe the project objective and scope of work:

Central Hudson has established a program to replace all of its leak prone pipe, at a minimum of 15 miles of main per year, as it is the single largest threat to the Central Hudson distribution system as identified by the DIMP program.

Describe specific scope exclusions, assumptions and constraints:

Project selections for each year are prioritized by a Central Hudson SME committee in conjuction with Central Hudson's main segment risk model (Main Replacement Prioritization). This is done in accordance with the 2021 Rate Order which states "for the avoidance of doubt, not all pipe sections will be replaced in strict adherance to their risk ranking established by the Company's main segment risk model. The Company expressly retains the right to prioritize projects based on factors other than risk..." The scope, prioritization, and cost of individual projectss may vary year to year based on internal and external factors to the company.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? $N\!/\!A$

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$



C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure **Discretion Level:** Non-Discretionary Growth/Sustaining/Retirement: **Distribution Sustaining Investment Type:** Compliance Is there an Innovation Component? No

CLICK HERE

Needs Assessment: Compliance

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Leak prone main replacements are required as part of the Leak Prone Pipe elimination program, as per the 2021 Rate Order: "Effective in 2022, the company will replace or eliminate, at a minimum, 15 miles of leak prone pipe per year and will incur an NRA of 15 BP's if mileage achieved in any year is less than 15 miles."

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Replacement of leak prone pipe through this program will reduce the leaks on the gas system, reduce emissions, extend the life of the assets, and provide increased reliability to the customer base.

PSC Gas Safety

Operational Excellence

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which Strategic Objective does project most align with? Which Strategic Initiative does project most align with? Which Team Goal does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A * Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply) No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: Yes **Environmental Component:** Yes Yes Social Component: Governance Component: Yes Is complete Sustainability status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

Improve system performance and resilience

DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE



What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?YesIf No, why should this project be completed instead of a planned project?N/A

Why do we need to complete this project in the period requested?

To meet PSC compliance with regards to the leak prone pipe elimination program and gas safety.

What are the risks and consequences of not completing this project?

If the minimum mileage of 15 miles of replacement is not achieved every year, the company incurs 15 BP NRA.

Is this Project in Central Hudson's current approved rate case? Yes, as it is required to replace 15 miles of LPP per year.	Yes
Is this Project tied to a regulatory requirement? Yes, as it is required to replace 15 miles of LPP per year.	Yes
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? Yes, this avoids costs associated with leaks on leak prone main such as unprotected steel, wrought iron, cast iron, etc.	Yes
Does this Project enhance Central Hudson's customer experience or service delivery? Yes, as it reduces risk and improves reliability.	Yes
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes, reduces risk of leaks on LPP.	Yes
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes, as it reduces risk and improves reliability.	Yes
Prioritization Ranking*	
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.	



D. COST ESTIMATE

	Capital Estimate Summary	Year 1 = 1st year of the 5-year budget plan		All future year cost estimates should include applicable adjustments for inflation.						
	\$102,344,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years	
	Labor (Weekly Payroll)	6,506,000		1,567,000	1,800,000	1,569,000	1,570,000			
	Labor (Monthly Payroll)	4,645,000		1,119,000	1,286,000	1,121,000	1,119,000			
A	Stock Materials	9,288,000		2,238,000	2,571,000	2,242,000	2,237,000			
D	A/P Non-Stock Material	0								
Ľ	A/P Contractors & Other	72,444,000		17,457,000	20,054,000	17,488,000	17,445,000			
Ιť	Inflation	4,839,000		479,000	1,102,000	1,405,000	1,853,000			
1	AFUDC*	907,000		148,000	279,000	231,000	249,000			
0	Journal Vouchers (JVs)	0								
N	CIAC Payments CREDIT	0								
3	Joint Utility Payments CREDIT	0								
	TOTAL ADDITIONS:	98,629,000	0	23,008,000	27,092,000	24,056,000	24,473,000	0	0	
	Labor (Weekly Payroll)	0								
E	Labor (Monthly Payroll)	0						-		
T	A/P Non-Labor (dumpsters, etc.)	0								
1	A/P Contractors	3,715,000		895,000	1,028,000	897,000	895,000			
R	Overheads	0								
M	Journal Vouchers (JVs)	0								
E	Salvage CREDIT	0								
N	CIAC Payments CREDIT	0								
T	Joint Utility Payments CREDIT	0								
S	TOTAL REMOVALS:	3,715,000	0	895,000	1,028,000	897,000	895,000	0	0	
	* AFUDC may require adjustment after Finance Depar									
	Expense \$ (if applicable):	0				1				
	Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*					
82		* Not applicable for	or 2025 2020 budo	tot process when						

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM Cost Estimate Level: Preliminary (that final cost will be within +/-20% of the estimate): **High Confidence Cost Estimate Confidence:** No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 81,875,200 122.812.800 overwritten if desired. No explanation on confidence level required. **Historical Unit Pricing** Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Budget estimates are based on yearly average install cost and applied to each project specifically. Variance to the average yearly costs are subject to change based on individual projects scope, contractor pricing, and material costs. Overhear and AFUDC are based on 2023 actuals.

This budget submittal form also includes all service service work that would be associated with leak prone pipe replacement under funding project 2-251L-01.



Submission Date: April 30, 2024		First Year of 5-Year Budget F	2025						
		Budget Category:		_25					
Business Sponsor:	E. Kiszkiel	Budget Group:	Gas						
Prepared By:	J. Mead	Current Life-Cycle Phase:	1 Planning						
A. GENERAL									
Project/Program Nar	ne: Highland Falls Reliability Improvement Project	Wo	ork Order #:	-					
Funding Project Des	cription: Cat 25 - Highland Falls Reliability	Funding Proje	10360						
Improvement Project		Target Schedule - Start: 1/1/2028	In-Serv	ice: 12/1/2029					
Is this a Specific Pro	ject, Program or Blanket? Specific								
Indicate and summa	Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:								

Describe the project objective and scope of work:

The village of Highland Falls currently recieves natural gas from the 60 PSIG WP line at the Homestead Avenue regulator station via a connection through West Point Military Academy (West Point). The 60 PSIG gas pipeline within the federal owned property is owned and operated by West Point. This limits Central Hudson's ability to mitigate outage risk and reliability to the Village of Highland Falls gas system. The purpose of this project is to provide an alternate source supplying Highland Falls is the West Point system goes offline and/or is locked down. The goal is to mitigate the impact of a catastrophic event with the ability to address outages that could arise from the supply controlled by West Point.

Describe specific scope exclusions, assumptions and constraints:

Install a new 120 PSIG 6" plastic gas distribution line which reroutes from the north beginning at Crows Nest regulator station extending around West Point campus to serve Highland Falls. This alternative would largely follow NYS road/highway taking on federal land, such as Route 218 and/or portions of Route 9W.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective?

Please see the link to the alternative analysis.

https://centralhudson.sharepoint.com/:w:/r/sites/EngPMO/Construction%20%20Rebuild%20Projects/Active/West%20Point/West%20Point%20and%20 Highland%20Falls%20Gas%20Reinforcement%20Alternatives%20Analysis.doc?d=w4bd311d592794e4cb34c2d3a4bbb6908&csf=1&web=1&e=pGiuZ Why was the proposed project scope chosen over other alternatives? Please see the link to the alternative analysis.



https://centralhudson.sharepoint.com/:w:/r/sites/EngPMO/Construction%20%20Rebuild%20Projects/Active/West%20Point/West%20Point%20and%20 Highland%20Falls%20Gas%20Reinforcement%20Alternatives%20Analysis.doc?d=w

C. JUSTIFICATION Growth/Sustaining/Retirement: Load Based/Infrastructure: **Distribution Sustaining** Infrastructure Maintain System Standards **Discretion Level: Investment Type:** Infrastructure Is there an Innovation Component? No Needs Assessment: Infrastructure If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Please see attached alternative analysis. https://centralhudson.sharepoint.com/:w:/r/sites/EngPMO/Construction%20%20Rebuild%20Projects/Active/West%20Point/West%20Point%20and%20 Highland%20Falls%20Gas%20Reinforcement%20Alternatives%20Analysis.doc?d=w4bd311d592794e4cb34c2d3a4bbb6908&csf=1&web=1&e=pGiuZ Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Please see attached alternative analysis. https://centralhudson.sharepoint.com/:w:/r/sites/EngPMO/Construction%20%20Rebuild%20Projects/Active/West%20Point/West%20Point%20and%20 For the following strategic alignment guestions, reference CHG&E's current Strategic Outlook document: CLICK HERE Which Strategic Theme does project most align with? **Business Modernization** Which Strategic Objective does project most align with? Improve system performance and resilience Seamless Customer Experience Which Strategic Initiative does project most align with? Which Team Goal does project most align with? **PSC Gas Safety** Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Select all that apply Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates? Yes * Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions. Do you anticipate the project to require significant jurisdictional approvals? (select all that apply) Miscellaneous (wetlands; highway; SWPPP) ESG (Environmental, Social and Governance) and Sustainability: Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below: * Sustainability status is achieved Checklist Fully Completed: Yes **Environmental Component:** Yes for the project if the ESG checklist **Social Component:** Yes shows that there is at least one component each for **Governance Component:** Yes environmental, social and Is complete Sustainability status achieved by this project?* Yes governance.



LOW

 What is the relative urgency of this project?
 Low
 Other projects with higher relative urgency should take precedence over this project.

 Was this project included in a prior 5-year forecast?
 Yes

 If No, why should this project be completed instead of a planned project?
 Yes

 N/A
 N/A

Why do we need to complete this project in the period requested?

Please see the link to the alternative analysis.

https://centralhudson.sharepoint.com/:w:/r/sites/EngPMO/Construction%20%20Rebuild%20Projects/Active/West%20Point/West%20Point%20and%20 Highland%20Falls%20Gas%20Reinforcement%20Alternatives%20Analysis.doc?d=w4bd311d592794e4cb34c2d3a4bbb6908&csf=1&web=1&e=pGiuZ What are the risks and consequences of not completing this project?

Please see the link to the alternative analysis.

https://centralhudson.sharepoint.com/:w:/r/sites/EngPMO/Construction%20%20Rebuild%20Projects/Active/West%20Point/West%20Point%20and%20 Highland%20Falls%20Gas%20Reinforcement%20Alternatives%20Analysis.doc?d=w

Is this Project in Central Hudson's current approved rat Yes, this budget was approved with the last rate case.	e case?		Yes
Is this Project tied to a regulatory requirement?			No
Does this Project result in cost avoidance, cost savings Yes, this avoids costs with losing all of the Highland Falls ga	•		Yes Point site.
Does this Project enhance Central Hudson's customer Yes, improves reliability and resiliency of system downstrea	•	•	Yes
Does this Project reduce risk, debt, or vulnerabilities (i. Yes, ensures that there will be multiple feed to Highland Fal			-
Does this Project improve or enhance safety for Central Yes, provides increased reliability and safety by building red	•		
Prioritization Ranking	*		
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.			

HIGH



D. COST ESTIMATE

	Capital Estimate Summary	Year 1 = 1si 5-year bu				ear cost estimates should include able adjustments for inflation.			
	\$13,363,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
A	Stock Materials	1,149,000					254,000	895,000	
	A/P Non-Stock Material	0							
I	A/P Contractors & Other	10,340,000					2,282,000	8,058,000	
т	Inflation	1,127,000					211,000	916,000	
	AFUDC*	172,000					28,000	144,000	
	Journal Vouchers (JVs)	0							
S	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	12,788,000	0	0	0	0	2,775,000	10,013,000	0
Р	Labor (Weekly Payroll)	0							
E	Labor (Monthly Payroll)	0							
т	A/P Non-Labor (dumpsters, etc.)	0							
Т	A/P Contractors	575,000					127,000	448,000	
RE	Overheads	0							
	Journal Vouchers (JVs)	0							
E	Salvage CREDIT	0							
Ν	CIAC Payments CREDIT	0							
T S	Joint Utility Payments CREDIT	0							
3	TOTAL REMOVALS:	575,000	0	0	0	0	127,000	448,000	0
	* AFUDC may require adjustment after Finance Depart								
	Expense \$ (if applicable):	0							
	Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Not included in current PSC-approved budget plan	
Cost Estimate Level:ConceptualCost Estimate Confidence:(that final cost will be within +/-30% of the estimate):High Confidence	
No further estimate range is required.	Formulas give standard ranges
Cost Estimate Range: Minimum (\$): 9,354,100 Maximum (\$): 17,371,900 No explanation on confidence level required. Image: Confidence level required. Image: Confidence level required. Image: Confidence level required.	 ← per estimate level, but may be overwritten if desired.
Basis for estimate: Historical Data + Job Specific Adjustments (select all that apply)	
Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?	Yes

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Please see the alternative analysis link attached.

https://centralhudson.sharepoint.com/:w:/r/sites/EngPMO/Construction%20%20Rebuild%20Projects/Active/West%20Point/West%20Point%20and%20 Highland%20Falls%20Gas%20Reinforcement%20Alternatives%20Analysis.doc?d=w4bd311d592794e4cb34c2d3a4bbb6908&csf=1&web=1&e=pGiuZ b



Budget Submittal Form

Submission Date:	April 30, 2024		First Year of 5-Year Budget	Period:	2025			
			Budget Category:		_25			
Business Sponsor:	E. Kiszkiel		Budget Group:	Gas				
Prepared By:	J. Mead		Current Life-Cycle Phase:	1 Planning				
A. GENERAL								
Project/Program Na	me: Large Diameter Pre-193	0 Steel Replacement Prog	ram Wo	ork Order #:	-			
Funding Project Des	Funding Project Description: DI-IDENTIFIED RELO CI/STEEL REMOVAL Funding Project Number: 2-2581-00-18							
Is this a Specific Pro	oject, Program or Blanket?	Program	Farget Schedule - Start: 1/1/2024	In-Serv	ice: 12/31/2027			

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: Detailed project descriptions, schedule, and project costs are found below.

Describe the project objective and scope of work:

Central Hudson has an inventory of approximately 5 miles of large diameter (8"+) steel pipe operating at 60 PSIG that is located in or near high consequence areas and which was joined using gas welding. Welds of this vintage and type are susceptible to circumferential cracks as identified through DIMP. This replacement program has been established to replace this pipe and remove that threat.

Describe specific scope exclusions, assumptions and constraints:

Constraints for large diameter steel pipe replacements are usually constrained by the paving scopes of the municipality/state.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? There are no other options for this as the PN line is needed to support multiple downstream systems.

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$

Budget Submittal Form

Growth/Sustaining/Retirement: Distribution Sustaining Investment Type: Compliance Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Due to the need for this line, and the many downstream systems it feeds, replacement is required to sustain the system while removing the threat from brittle gas welds. Replacement will also help increase capacity of the already strained system because it is near capacity.

Operational Excellence

Improve system performance and resilience

DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Removing the threats from the system increases safety while also increasing capacity (replacing 8" steel with 12" plastic).

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Infrastructure

Non-Discretionary

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (*CATS-4220, 4222, 4230, 4235, 44*):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

PSC Gas Safety

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

Local municipalities (>1)

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component:
 Yes

 Social Component:
 Yes

 Governance Component:
 Yes

 Is complete Sustainability status achieved by this project?* Yes

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

CLICK HERE



Load Based/Infrastructure:

C. JUSTIFICATION

Discretion Level:

LICK HERE



What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?YesIf No, why should this project be completed instead of a planned project?N/A

Why do we need to complete this project in the period requested?

Completing these replacements in line with the LPP program will mitigate the risk of circumferential cracks due to gas welds and will help increase system reliability and capacity.

What are the risks and consequences of not completing this project?

The risk of the pipeline cracking and leading to an event (e.g. Marple Road).

For the following Prioritization questions, please provide a brief explanation supporting any "Yes" responses. Is this Project in Central Hudson's current approved rate case? Yes, is in the approved rate case for the mitigation of risk due to large diameter gas welds on pipelines prior to 1940.	Yes				
Is this Project tied to a regulatory requirement?	Yes				
Yes, as this mitigates risk as indicated from the DIMP program.					
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? Yes, avoids costs associated with events stemming from large diameter circumferentially welded joints that crack and leak.					
Does this Project enhance Central Hudson's customer experience or service delivery? Yes, by reducing risk.	Yes				
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Reduces risk by eliminating via replacement all of the pre-1940's large diameter circumferentially welded joints.	Yes				
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?	Yes				
Reduces risk by eliminating via replacement all of the pre-1940's large diameter circumferentially welded joints.					
Prioritization Ranking*					
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.					



D. COST ESTIMATE

Capital Estimate Summary	Year 1 = 1st year of the 5-year budget planAll future year cost estimates should include applicable adjustments for inflation.							
\$16,147,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
Labor (Weekly Payroll)	1,020,000	1	252,000	226,000	240,000	161,000	141,000	
Labor (Monthly Payroll)	729,000		180,000	161,000	172,000	115,000	101,000	
A Stock Materials	1,459,000		361,000	323,000	343,000	230,000	202,000	
A/P Non-Stock Material	0							
A/P Contractors & Other	11,373,000		2,812,000	2,516,000	2,675,000	1,798,000	1,572,000	
T Inflation	828,000		77,000	138,000	215,000	191,000	207,000	
I AFUDC*	155,000		25,000	37,000	35,000	26,000	32,000	
O Journal Vouchers (JVs)	0		(***)					;===
CIAC Payments CREDIT	0							
Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:	15,564,000	0	3,707,000	3,401,000	3,680,000	2,521,000	2,255,000	0
Labor (Weekly Payroll)	0							
E Labor (Monthly Payroll)	0							
T A/P Non-Labor (dumpsters, etc.)	0							
I A/P Contractors	583,000		144,000	129,000	137,000	92,000	81,000	
R Overheads	0					_		
Journal Vouchers (JVs)	0		10 010 0					
E Salvage CREDIT	0							
N CIAC Payments CREDIT	0							
Joint Utility Payments CREDIT	0							
S TOTAL REMOVALS:	583,000	0	144,000	129,000	137,000	92,000	81,000	0
* AFUDC may require adjustment after Finance Depar								
Expense \$ (if applicable):	0							
Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Conceptual (that final cost will be within +/-30% of the estimate): **High Confidence Cost Estimate Confidence:** No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 11,302,900 20,991,100 overwritten if desired. No explanation on confidence level required. **Historical Unit Pricing** Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Historic unit pricing. Project estimates are based on yearly average install rates derived from historical project actual spends. Variance to the average yearly costs are subject to change based on individual project scopes. Overhead and AFUDC percentages are based on 2022 actuals.

Memo



Central Hudson Gas & Electric

To: Joseph Koberger
From: Jason Mead
CC: Brianna Peak, Eric Kiszkiel
Date: 4/15/2024
Re: Large Diameter Gas Welded Pipe – Funding Project 2-2581-00-18

The purpose of this memo is to document the identification of certain Central Hudson natural gas facilities associated with higher risks and to continue a planned replacement program for them. These higher risks are due to weld failures on large diameter pre-1940's gas welded pipe.

In 2013, Central Hudson's DIMP committee identified, evaluated, and reviewed threats to its natural gas distribution system during its annual review session. Among those threats identified was pre-1940's large diameter oxyacetylene welded gas pipe. This threat consists of large diameter (6" and larger) steel gas main installed prior to 1940 and joined with welding.

This threat was identified after Central Hudson experienced two incidents within a ten-year timeframe. Both incidents occurred on assets that were installed prior to 1940, where steel pipe had been joined via oxyacetylene welding; a common method of joining at the time. In both instances, the gas mains had experienced circumferential cracking at the welds. Due to this, the DIMP committee had classified this as a weld failure, and subsequently ranked the threat, assigned relative risk weightings to be incorporated into the Main Replacement Prioritization (MRP) program, and put forth recommendations for closer observation, tracking, and potential mitigation. Please see the original threat analysis "Threat Analysis- oxy weld 7-24-2013" for more details.

In 2014, after incorporating additional weightings into MRP, it was decided to opportunistically incorporate the replacement of these assets via the Leak Prone Pipe Replacement (LPP) program. At that time, the initial inventory of these assets was approximately 227,000 feet (43 miles). To date, the inventory has been reduced to approximately 153,000 feet (29 miles). Due to the varying cathodic protection status of these assets (this inventory is comprised of both protected and unprotected mains) they are incorporated into replacement projects as budget and resources allow. The table below shows a 5-year history of replacements and associated spends with the proposed replacements through 2028.

	Starting Inventory (ft)	Inventory Reduction (ft)	Actual Spend (\$)**	Projected Spend (\$)
2018	212,583	10,551	\$11,102,876.91	
2019	202,033	7,185	\$7,216,673.92	
2020	194,847	8,394	\$10,351,534.55	
2021	186,453	5,907	\$3,272,891.73	
2022	180,546	12,184	\$8,207,556.45	
2023	168,362	14,910	\$3,845,568.97	
2024	153,452	5,910		\$3,043,000.00
2025		4,232*		\$3,577,000.00
2026		5 <i>,</i> 875*		\$3,249,000.00
2027		2,900*		\$1,700,000.00
2028		2,975*		\$1,741,000.00
2029		8,372*		\$4,320,000.00

* Proposed reduction, actual may be higher due to overlap with Leak Prone Pipe Inventories, see note below. **There are significant overlaps between the Large Diameter Gas Welded pipe inventories and the Leak Prone Pipe inventories. Because of this, cost tracking is difficult. The Actual Spends shown above represent only projects that have most, if not all their inventory, consisting of non-leak prone Large Diameter Gas Welded pipe. It may not be inclusive of all projects that may have had some smaller portions of Large Diameter Gas Welded pipe. The inventory numbers represent actual footage reductions that may not tie directly to Actual Spend.

In order to maintain a safe and reliable gas system, Central Hudson will continue to track, monitor, and evaluate this threat along with the continual replacement of these assets until program completion. Estimated timeframe for this, based on an average replacement of 10,000 feet a year, is projected to be 2037. In doing so it is expected that Central Hudson will mitigate this risk and proactively avoid unwanted incidents by removing these riskier portions of the system to provide safe and reliable service to its customers.

-Jason Mead

Section Engineer, Gas Standards & Integrity Management



Budget Submittal Form

Submission Date:	June 1, 2024		First Year of 5-Year Budget	Period:	2025
			Budget Category:		_25
Business Sponsor:	E. Kiszkiel		Budget Group:	Gas	
Prepared By:	J. Mead		Current Life-Cycle Phase:	1 Planning	
A. GENERAL					
Project/Program Na	me: Compression Coupling	y Neighborhood Replacem	ents Wo	ork Order #:	-
Funding Project Des	scription: Funding Project N	lot Yet Assigned	Funding Proje	ct Number:	to be determined
Is this a Specific Pro	oject, Program or Blanket?	Program	Target Schedule - Start: 7/1/2024	In-Serv	ice: 12/31/2028

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: W/O and/or funding project not created yet, new incremental rate case project

Describe the project objective and scope of work:

Replace all mains and services in areas known to have had compression couplings installed during construction.

Describe specific scope exclusions, assumptions and constraints:

Replacing only known areas that contain compression couplings and/or areas that have had an extensive history of compression coupling leaks.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? No other options are available other than repairing the leaks, which Central Hudson has been doing. The only permanent repair to a compression coupling is full replacement with plastic distribution piping.

Why was the proposed project scope chosen over other alternatives? $\ensuremath{\mathsf{N/A}}$



Budget Submittal Form

C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure	Growth/Sustaining/Retirement:	Distribution Sustaining
Discretion Level:	Maintain System Standards	Investment Type:	Infrastructure
		Is there	an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. The DIMP committee has identified compression coupling leaks as one of the major threats to the distribution system given their prevelant leak history.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.)

Replacing these known areas will reduce the risk of leaking mains/services and subsequently reduce the likelihood of an incident. This will also reduce the emission of natural gas due to leaks and improve system reliability and resiliency.

PSC Gas Safety

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with?Operational ExcellenceWhich Strategic Objective does project most align with?Improve system performance and resilience

Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with?

Which *Team Goal* does project most align with?

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component:
 Yes

 Social Component:
 Yes

 Governance Component:
 No

Is complete Sustainability status achieved by this project?* No

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

CLICK HERE

DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE



What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?YesIf No, why should this project be completed instead of a planned project?N/A

Why do we need to complete this project in the period requested?

Will allow the company to reduce overall risk by reducing leak inventory, and any chance of future leaks due to the couplings.

What are the risks and consequences of not completing this project?

Possible consequences are more leaks, more repairs, more expense money spent, and potential for an incident.

Is this Project in Central Hudson's current approved rate case? Project was approved in 2023 rate case.	Yes
Is this Project tied to a regulatory requirement?	No
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?	No
Does this Project enhance Central Hudson's customer experience or service delivery?	No
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Project is aimed to reduce pipeline leaks.	Yes
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?	No

Prioritization Ranking	g*	•	
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the	\uparrow	\uparrow	\uparrow
same prioritization question responses.	VERY	MEDIUM	VERY
	HIGH		LOW



D. COST ESTIMATE

1	Capital Estimate Summary	Year 1 = 1sl 5-year bu				cost estimates sh e adjustments for i			
	\$20,010,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	1,243,000		108,000	169,000	234,000	244,000	488,000	
	Labor (Monthly Payroll)	886,000		77,000	120,000	167,000	174,000	348,000	
A	Stock Materials	1,774,000		154,000	241,000	334,000	348,000	697,000	
	A/P Non-Stock Material	0							
۲,	A/P Contractors & Other	13,829,000		1,198,000	1,878,000	2,603,000	2,717,000	5,433,000	
Ιť	Inflation	1,347,000		33,000	104,000	209,000	288,000	713,000	
1	AFUDC*	222,000		10,000	27,000	34,000	39,000	112,000	
0	Journal Vouchers (JVs)	0							
N	CIAC Payments CREDIT	0							
5	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	19,301,000	0	1,580,000	2,539,000	3,581,000	3,810,000	7,791,000	0
	Labor (Weekly Payroll)	0		1					
E	Labor (Monthly Payroll)	0							
T	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	709,000		61,000	96,000	134,000	139,000	279,000	
R	Overheads	0							
M	Journal Vouchers (JVs)	0		10 000 1					
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0							
T	Joint Utility Payments CREDIT	0							
S	TOTAL REMOVALS:	709,000	0	61,000	96,000	134,000	139,000	2.79,000	0
_	* AFUDC may require adjustment after Finance Depa								
	Expense \$ (if applicable):	0							
	Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				
	وكي وراويها بدكاكا بمدمية ومعار اعتلا والمعارية والمعال مراكل	* Not applicable fr	or 2025, 2029 budg	of process when					

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Not included in current PSC-approved budget plan **Cost Estimate Level:** Conceptual High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-30% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 14,007,000 26,013,000 overwritten if desired. No explanation on confidence level required. Historical Proforma Pricing Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Historical install prices for replacements were analyzed and extrapolated to determine required budgets.

Memo



 Central Hudson Gas & Electric
 A FORTIS COMPANY

 To:
 Jason Mead

 From:
 Chris Broner

 CC:
 Joseph Koberger

 Date:
 4/15/2024

 Re:
 Compression Coupling Main and Service Replacement Project – Funding Project TBD

The purpose of this memo is to describe and document the identification of certain Central Hudson natural gas facilities with elevated leak levels which are identified in Category 25 budget for replacement. These elevated leak levels are due to compression couplings installed with those facilities, and to establish a planned replacement program for them.

Compression coupling leaks are an identified threat in Central Hudson's Distribution Integrity Management Program (DIMP). The initial assessment of this threat was performed in 2017 and resulted in the initiation of focused leak surveys in specific neighborhoods most prone to these leaks. Since then, compression coupling leaks continue to account for over 20% of the annual leaks on Central Hudson's distribution systems. The annual number of compression coupling leak repairs for each of the past five years, expressed in both quantity and in percentage of annual leak repairs, is shown below.

	2019	2020	2021	2022	2023
Total Leak Repairs	510	361	408	336	316
Compression Fitting leak Repairs	105	77	90	77	69
Percentage of Total Repairs	20.6%	21.3%	22.1%	22.9%	21.8%

A thorough GIS analysis of roughly 10 years of leak history was used to identify clusters of Compression Coupling (CC) leaks. A buffer of 500 feet was put on every Compression Coupling leak (CC leak) and the total number of CC leaks within that buffer was counted. The buffered CC leaks with five (5) or more CC leaks within the buffer were intersected with the mains assets. The result is a total mileage of mains with heightened CC leak histories either on those mains or on services attached to those mains. Plastic mains were removed from this inventory as not needing replacement to eliminate the compression couplings which are typically leaking (on smaller diameter steel mains and services). All services attached to the identified mains were then assessed and entirely plastic services removed to determine the population of services that need to be replaced.

One of the larger neighborhood replacement projects identified will be completed in 2024, thereby reducing the identified mileage and number of services. In addition, during further preliminary program reviews large diameter mains were determined to not require replacement with this program. The remaining identified facilities for replacement with this program are therefore now 19.0 miles of mains and approximately 1,850 services. This updated information was then provided to Jason Mead to apply established pro-forma pricing for distribution system main and service replacements, which of course

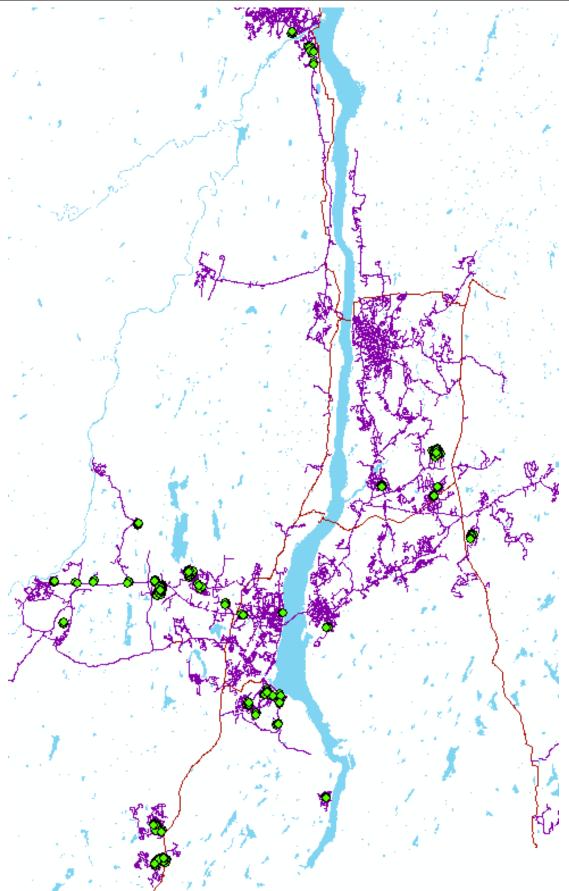
have also been updated since this program was first documented in January of 2023. The current proforma based total project estimate to replace the identified mains and services with elevated CC leak levels is now \$47.9M in 2024 dollars.

Based on the CC leak history used to develop this program, completion of the replacements should eliminate an average of about 45 compression coupling leaks per year. With a current cost per leak averaging around \$7,120, this would result in a savings of approximately \$320,400 per year in 2023 dollars. More importantly, eliminating the threat of compression coupling leaks in the replacement areas would represent a significant overall reduction of the risk associated with compression coupling leaks on Central Hudson's distribution systems.

The proposed timeline for replacement is still planned to begin in 2025 with a targeted budget of 1.33 million dollars and ramping up spend until a targeted budget of \$6.0 million is reached in 2029, which would continue every year thereafter until program completion. The proposed spend and completion by year is laid out below. This is subject to change as some neighborhoods/areas are larger than others and should be done together. Project selections and scopes are starting to be drafted as we approach the commencement year.

	Estimated Mileage of Main	Estimated Services	Cost
2025	0.6	49	\$1,331,000.00
2026	1.0	77	\$2,086,000.00
2027	1.4	107	\$2,891,000.00
2028	2.8	221	\$6,034,000.00
2029-2042	14.4	1408	\$39,219,036.00
		Total:	\$47,867,659.16

Attached below is an overview map of the identified compression coupling areas within the Central Hudson gas service territory. This overview shows the most heavily saturated areas in the Central Hudson territory and do not reflect all areas that may need replacement.



Overview Map of Compression Coupling Leaks – More than 5 in a 500ft buffer



Budget Submittal Form

Submission Date:	April 30, 2024	First Year of 5-Year Budget P	Period: 2025
		Budget Category:	_25
Business Sponsor:	E. Kiszkiel	Budget Group:	Common: Non-I.T./O.T.
Prepared By:	J. Mead	Current Life-Cycle Phase:	1 Planning
A. GENERAL			
Project/Program Nar	ne: Leak Prone Pipe Services Replacement	Wor	rk Order #:
Funding Project Des	cription: Funding Project Not Yet Assigned	Funding Projec	to be determined
Is this a Specific Pro	ject, Program or Blanket? Program	Target Schedule - Start: 7/1/2024	In-Service: 12/31/2028

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: N/A

Describe the project objective and scope of work:

Replace all of the isolated and cathodically unprotected services that will not be addressed with the Leak Prone Pipe Elimination Program.

Describe specific scope exclusions, assumptions and constraints: Includes all isolated services that fall outside of the scope of any DIP that is a part of the LPP program.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? $N\!/\!A$

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$



C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure
Discretion Level:	Maintain System Standards

Growth/Sustaining/Retirement: Distribution Sustaining Investment Type: Infrastructure Is there an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Leak prone pipe is the single biggest threat to the distribution system, the most effective way to manage this risk is to eliminate it.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Reduces the likelihood of leaks which could then lead to an incident.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates N/A

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

 Checklist Fully Completed: Yes
 Environmental Component: Yes

 Social Component:
 Yes

 Governance Component:
 No

Is complete <u>Sustainability</u> status achieved by this project?* No

Operational Excellence Improve system performance and resilience DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE PSC Gas Safety

CLICK HERE

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.



VERY

LOW



 What is the relative urgency of this project?
 Immediate
 Already in-progress or recommend commencement within next 12-months.

 Was this project included in a prior 5-year forecast?
 No

 If No, why should this project be completed instead of a planned project?
 To align with the current LPP elimination program goal of getting rid of all leak prone pipe.

Why do we need to complete this project in the period requested?

To replace all remaining leak prone services to get the distribution system to a completely plastic or protected steel system.

What are the risks and consequences of not completing this project?

same prioritization question responses.

Not replacing the leak prone pipe will increase the likelihood of a leak, especially over time, which could lead to more releases of gas and potential incidents.

Is this Project in Central Hudson's current approved rate case? Yes, approved budget contained in the last rate case.	Yes
Is this Project tied to a regulatory requirement?	No
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? Yes, this avoids costs associated with the repair, or any event triggered by leaking services.	Yes
Does this Project enhance Central Hudson's customer experience or service delivery? Yes, improves the reliability and safety of the delivery of gas to customers.	Yes
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes, reduces the risk of leaks or events associated with leaks.	Yes
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes, improves the safety of the system by reducing leaks via service replacement with improved installation methods and d	Yes ocumentation.
Prioritization Ranking*	
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the	

VERY

HIGH

MEDIUM



D. COST ESTIMATE

	Capital Estimate Summary	Year 1 = 1s 5-year bu				cost estimates sh adjustments for i			
	\$11,486,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
A	Stock Materials	0							
D	A/P Non-Stock Material	0							
L.	A/P Contractors & Other	10,692,000		2,054,000	2,102,000	2,144,000	2,196,000	2,196,000	
Ť	Inflation	675,000		44,000	90,000	134,000	182,000	225,000	
1	AFUDC*	119,000		14,000	24,000	22,000	24,000	35,000	
0	Journal Vouchers (JVs)	0							
N	CIAC Payments CREDIT	0							
3	Joint Utility Payments CREDIT	0							
_	TOTAL ADDITIONS:	11,486,000	0	2,112,000	2,216,000	2,300,000	2,402,000	2,456,000	0
	Labor (Weekly Payroll)	0							
E	Labor (Monthly Payroll)	0							
т	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	0							
RE	Overheads	0							
M	Journal Vouchers (JVs)	0			1 -				
E	Salvage CREDIT	0		1					
N	CIAC Payments CREDIT	0							
T	Joint Utility Payments CREDIT	0							
S	TOTAL REMOVALS:	0	0	0	0	0	0	0	0
	* AFUDC may require adjustment after Finance Depa								-
	Expense \$ (if applicable):	0							
(Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM **Cost Estimate Level:** Conceptual High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-30% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be **Cost Estimate Range:** Minimum (\$): Maximum (\$): 14,931,800 8,040,200 overwritten if desired. No explanation on confidence level required. Historical Proforma Pricing; Historical Unit Pricing Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Use historical unit pricing for service replacements and adjust for future budget requirements.



Submission Date: April 30, 2024		First Year of 5-Year Budget F	2025	
		Budget Category:		_25
Business Sponsor:	E. Kiszkiel	Budget Group:	Gas	
Prepared By:	J. Mead	Current Life-Cycle Phase:	1 Planning	
A. GENERAL				
Project/Program Nar	ne: River/Creek Crossing Remediation	Wo	rk Order #:	-
Funding Project Des	cription: Funding Project Not Yet Assigned	Funding Project	ct Number:	to be determined
Is this a Specific Pro	oject, Program or Blanket? Program	Target Schedule - Start: 1/1/2025	In-Serv	vice: 12/31/2028

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: WO's will be created to capture costs associated with creek crossing remediations prone to damage, washout, deterioration, etc.

Describe the project objective and scope of work:

Remediate or reinforce any water crossing that may be subject to damage due to natural forces during extreme weather events (ex. Erosion due to heavy water flow in stream/creeks).

Describe specific scope exclusions, assumptions and constraints:

This program will include approximately the top 100 areas where transmission and/or distribution main crosses a water way and could be subject to damage with heavy rain, snow, flooding, etc.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? $N\!/\!A$

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$



C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure	Growth/Sustaining/Retirement:	Distribution Sustaining
Discretion Level:	Maintain System Standards	Investment Type:	Infrastructure
		Is there	an Innovation Component? No

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Reduce and mitigate any risk associated with a leak or release of gas due to an extreme weather event.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Will reinforce the system to be able to handle extreme weather events without the risk of it cauing leaks or releases.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which <u>Strategic Objective</u> does project most align with? Which <u>Strategic Initiative</u> does project most align with? Which <u>Team Goal</u> does project most align with? Technology Strategic Alignment (*CATS-4220, 4222, 4230, 4235, 44*):

Operational Excellence Improve system performance and resilience DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE PSC Gas Safety

CLICK HERE

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

Local municipality (1); Local municipalities (>1)

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: YesEnvironmental Component:YesSocial Component:YesGovernance Component:No

Is complete <u>Sustainability</u> status achieved by this project?* No

* Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.





What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?NoIf No, why should this project be completed instead of a planned project?NoThis should not displace any planned project and should happen concurrentlyNo

Why do we need to complete this project in the period requested?

With weather events becoming more frequent and more extreme in nature, this will mitigate the risk of a potential gas incident as a result.

What are the risks and consequences of not completing this project?

Potential gas leak and/or release of gas leading to an incident.

Is this Project in Central Hudson's current approved rate	e case?			No
Is this Project tied to a regulatory requirement?				No
Does this Project result in cost avoidance, cost savings Yes, avoids emergent costs associated with repairs done to				Yes
Does this Project enhance Central Hudson's customer e Yes, this program helps to improve reliability and resiliency of	•	service delivery?		Yes
Does this Project reduce risk, debt, or vulnerabilities (i.e. Yes, reduces risk of damage to assets during extreme weath		cybersecurity, legal, infrastruc	ture, etc.)?	Yes
Does this Project improve or enhance safety for Central Yes, reduces risk of damage to assets during extreme weath	•	oyees, contractors or the public	c?	Yes
Prioritization Ranking*		•		
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.	↑ VERY HIGH		↓ VERY LOW	



D. COST ESTIMATE

	Capital Estimate Summary	Year 1 = 1si 5-year bu				cost estimates sh adjustments for i			
	\$11,589,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
A	Stock Materials	0							
D	A/P Non-Stock Material	0							
	A/P Contractors & Other	9,802,000		1,148,000	1,583,000	1,869,000	2,601,000	2,601,000	
t	Inflation	691,000		24,000	68,000	117,000	216,000	266,000	
1	AFUDC*	116,000		8,000	18,000	19,000	29,000	42,000	
0	Journal Vouchers (JVs)	0							
N	CIAC Payments CREDIT	0							
3	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	10,609,000	0	1,180,000	1,669,000	2,005,000	2,846,000	2,909,000	0
	Labor (Weekly Payroll)	0							
Ē	Labor (Monthly Payroll)	0							
Т	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	0							
R	Overheads	980,000		115,000	158,000	187,000	260,000	260,000	
M	Journal Vouchers (JVs)	0		2000 C	1.222 ·				
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0							
T	Joint Utility Payments CREDIT	0							
S	TOTAL REMOVALS:	980,000	0	115,000	158,000	187,000	260,000	260,000	0
	* AFUDC may require adjustment after Finance Depart								
	Expense \$ (if applicable):	0							
(Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				
82		* Not applicable f	or 2025, 2029 budg	of process when					

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Not included in current PSC-approved budget plan	
Cost Estimate Level:ConceptualCost Estimate Confidence:(that final cost will be within +/-30% of the estimate):High Confidence	
No further estimate range is required.	Formulas give standard ranges
Cost Estimate Range:Minimum (\$):8,112,300Maximum (\$):15,065,700No explanation on confidence level required.	 per estimate level, but may be overwritten if desired.
Basis for estimate: Historical Unit Pricing	
(select all that apply)	
Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?	No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Used historical unit pricing for similar work and extrapolated to adjust for future budget estimates.

Memo

People. Power. Possibilities. Central Hudson A FORTIS COMPANY

Central Hudson Gas & Electric

To: Jason Mead
From: Josue Rodriguez
CC: Joseph Koberger
Date: 4/15/2024
Re: Water Crossing Reinforcement Program – Funding Project TBD

Summary and Overview

Throughout Central Hudson's gas pipeline network, there are many gas facilities that cross bodies of water or multiple streamlines. These gas facilities are susceptible to many threats caused by (but not limited to) severe flooding, river scour, and river channel migration.¹ Flooding is when an area of land that is usually dry, is covered with water after heavy rain or after a river or lake overflows its banks. River scour is defined as the erosion of a riverbed (vertical scour) or riverbanks (horizontal scour) by flowing water.² River scour usually occurs when the shear stress induced on the riverbed by fast flowing water exceeds resistance of channel bed material.² The movement of the bed material by rolling or sliding, are considered as bed load.² River channel migration is the natural process that describes how a stream or river channel moves over time.³

PHMSA has released several advisory bulletins on how severe flooding, river scour, and river channel migration affects gas facilitates crossing bodies of water or streamlines.¹ Each of these bulletins address's events that involved severe flooding that affected gas facilities in areas of rising or fast moving waters.¹ It was found that river scours and river channel migration may damage gas facilities as a result of additional forces acting on the gas pipes. Such external forces includes undermining underlying support soils, lateral water forces, and impact forces from waterborne debris.¹ Lateral water forces may cause excessive bending loads that can lead to pipelines failures, and possible impact forces from debris in the water or harmonic vibrations from water rapidly passing over pipelines can also increase potential pipeline failures.¹ Furthermore, pipelines that are not designed to accommodate channel change can pose a significant environmental and public safety risks.⁴ Additionally, any safety valves, regulators, relief sets, pressure sensors, and other facilities normally above grade, can be jeopardized under severe flooding conditions.¹

Introduction

Environmental conditions such as tropical storms or hurricanes occur every year in the central Hudson Valley region. Because of this, all of Central Hudson gas service areas are susceptible to severe flooding, river scours, and river channel migration along with their associated threats. This leaves reinforcing our water crossing facilities essential for protecting gas piping infrastructure and providing public safety. By reinforcing our gas facilities that cross bodies of water, streamlines, or both, Central Hudson can prevent such threats associated with severe flooding, river scour, or from river channel migration, from causing pipeline failures and affecting customers who depend on gas, as their main source of energy.

This memo covers the analysis on how water crossing gas facilities were obtained and provides an estimated cost to reinforce/redesign selected gas facilities. This was done by creating a new gas layer in ArcMap that shows all water crossing facilities that Central Hudson has. After, a careful review of the data was done. This provided a list of possible water crossing gas facility project locations to reinforce or redesign. After obtaining the full Inventory of water crossing gas

 $^{^{1}\} https://www.federalregister.gov/documents/2019/04/11/2019-07132/pipeline-safety-potential-for-damage-to-pipeline-facilities-caused-by-flooding-river-scour-and-river$

² https://www.exponent.com/knowledge/alerts/2017/04/flood-scouring-on-buried-pipeline/?pageSize=NaN&pageNum=0&loadAllByPageSize=true

³ https://ecology.wa.gov/Water-Shorelines/Shoreline-coastal-management/Hazards/Stream-channel-migration-zones

⁴ chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://naturaldes.com/wp-content/uploads/2016/08/Abbe-2009-Self-Mitigating-Protectionfor-Pipeline-Crossings-in-Degraded-Streams.pdf. (Pg. 1)

facilities, the project locations were than selected based on higher priority. Gas facilities that were either high pressure gas pipes, larger diameter pipes, gas facilities crossing large bodies of water, or a combination of all these characteristics, were considered higher priority. Finally, a cost analysis was done to show the total cost to reinforce/redesign a water crossing gas facility.

Procedure

To initiate the analysis, a new layer in ArcMap was created. This new layer is called *Gas Water Crossings*. This layer marked a point where every gas pipeline crossed either a large body of water or a streamline. For this purpose water crossing facilities that are retired, inactive, bored, or along a bridge, were not included as part of the water crossing facilities needing reinforcement/improvement/redesign. All Transmission pipelines were not included in this analysis. The full list of water crossing gas facilities was obtained and use to rank and prioritize project locations. The ranking and weighting used for this analysis stayed consistent with what is used for Central Hudson Main Replacement Program (MRP) run. From this analysis, it was found that there was a about a total of 828 possible locations where a gas facility is crossing either a streamline or body of water. Applying the requirements stated previously, and applying a ranking system as used in the MRP, a list of 50 water crossing gas facilities based on riskiest locations was obtained. Selection of projects will be based on available funds during the year.

Cost Analysis

In cases where pipeline have been exposed, there are usually two options one could take; 1) relocate the line or 2) reinforce the line. Both options would benefit from a stream dynamics study at the site so that the most cost effective approach is selected to protect the pipeline and environment. All work for relocating the line of reinforcing the line are done through planned work or emergent work, due to heavy rainfall/tropical storms.

Planned Work

Year	Work Order #	Description	Estimated Cost For Today's Market
2019	0302-H	570 - Mid-Hudson	\$ 46,034.36
2019	F639-Q	570 - Mid-Hudson	\$ 10,678.27
2020	2892-H	490 - Newburgh	\$ 155,105.51
2020	4511-H	570 - Mid-Hudson	\$ 197,257.91
2020	L198-Q	590 - Fishkill	\$ 32,491.32
2022	0821-K	540 - Catskill	\$ 33,754.45
2022	8312-H	490 - Newburgh	\$ 659,654.58

See work order data associated with known bores below done in the previous 5 years.

Table.1: Five (5) year historical data for planned work (non-emergent work)

Emergency Work

The following tables show details of all emergency work locations due to heavy rainfall/tropical storms in the previous five (5) years.

				Pipe Information being replaced					
Year	Event		Cost	Material	Diameter (in.)	Estimated length			
2019				No event occurred					
2020	191 Rt.32 Central Valley	\$	167,179.04	Plastic	4	203			
2021	Continental Rd., Cornwall	\$	674,191.86	Steel	10	250			
2021	Toomey Dr., Wappinger Creek	\$	814,964.55	Steel	8	800			
2022	No event occurred								
2023	17 Route 376, Hopewell Junction	\$	485,000.00	Plastic	4	50			

Table.2: Five (5) year historical data for emergent event details and cost per year.

Year	Number of Gas Crossing Emergency Events	Total Cost F	Per Year (Todays Value)
2019	0	\$	-
2020	1	\$	167,179.04
2021	2	\$	1,489,156.41
2022	0	\$	_
2023	1	\$	485,000.00

Table.3: Number of gas crossing events occurred in Central Hudson Territory within the last five(5) years.

Total Cost for Planned and Emergency Work

Year	Number of Planned Projects	Number of Emergent Work	Total Number of Projects	Total Cost
2019	2	0	2	\$ 56,712.63
2020	3	1	4	\$ 552,033.79
2021	0	2	2	\$ 1,489,156.41
2022	2	0	2	\$ 693,409.02
2023	0	1	1	\$ 485,000.00
2024	0	0	0	\$ -

Table.4: Total cost per year including both planned and emergent work.

Using the data shown in Table.4, it was calculate the estimated cost per project location to be **\$ 297,846.53**. This was done by obtaining the total cost of both planned and emergent work (**\$ 3,276,311.86**) and obtaining the total count of both planned and emergent work (**\$ 1**) and dividing the total cost by the total count to obtain the estimated cost per project location.

With an estimated cost per project of **\$ 297,846.53**, and selecting the top 50 project locations to be reinforced and/or relocated, the total program cost was obtained to be **\$ 14,892,326.62**. With the provided available budget, the program is estimated to last about 8 years with proposed projects to get done as follows. Note that the below projections are based on estimates and are subject to change due to each project scope and cost varying on site conditions.

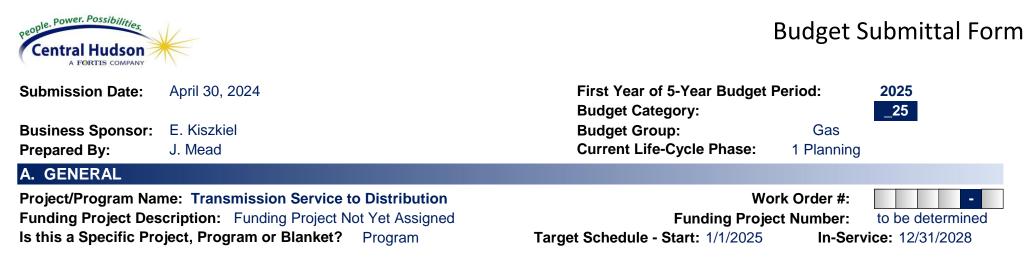
Year	Proposed number of projects per year	Target Budget for Reinforcement
2025	3	\$994,000
2026	5	\$1,377,000
2027	5	\$1,619,000
2028	8	\$2,253,000
2029	8	\$2,253,000
2030-2032	21	\$6,254,777

Table.5: Proposed number of projects to be done per year.

Conclusion

As stated before, there are many threats that affect water crossing gas facilities associated with severe flooding, river scours, and river channel migration. Reinforcing current water crossing gas facilities to prevent potential pipeline failures from occurring during environmental conditions, such as tropical storms and hurricanes, will greatly help Central Hudson serve and protect their customers.

Per the analysis, gas facilities that were either high pressure gas pipes, larger diameter pipes, gas facilities crossing large bodies of water, or a combination of all these characteristics were ranked and prioritized based on which pipe is the riskiest and requires further reinforcement/redesign. By reinforcing the following water crossing gas facilities, we are preventing any future pipeline failure caused by threats associated with severe flooding, river scours, and river channel migration.



Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: Various WO's will be created to capture costs associated with main extensions to areas of tranmission services.

Describe the project objective and scope of work:

This program will run distribution main to areas containing transmission pressure services, to be able to remove them from the transmission system.

Describe specific scope exclusions, assumptions and constraints:

Areas addressed first will be those that are most risky (higher density areas) and are close to distribution main.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? $N\!/\!A$

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$

* Sustainability status is achieved

for the project if the ESG checklist

shows that there is at least one

component each for

governance.

environmental, social and

Load Based/Infrastructure: Infrastructure Maintain System Standards **Discretion Level:**

Needs Assessment: Infrastructure

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Transmission services inherently have more risk associated with them due to being fed from high pressure transmission main. This pressure is sometimes up against the building wall where the meter is, and sometimes occurs in highly populated residential areas.

Operational Excellence

Improve safety and security culture

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Reduce the risk of having an incident due to high pressure at the building.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Which <u>Strategic Theme</u> does project most align with? Which Strategic Objective does project most align with? Which Strategic Initiative does project most align with? Which Team Goal does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

PSC Gas Safety

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: Yes **Environmental Component:** Maybe - Requires further scope development **Social Component:** Yes **Governance Component:** No

Is complete Sustainability status achieved by this project?* No

Growth/Sustaining/Retirement: **Distribution Growth Investment Type:** Infrastructure Is there an Innovation Component? No





C. JUSTIFICATION

CLICK HERE

DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE



What is the relative urgency of this project?ModerateRecommend commencement within next 24-months.Was this project included in a prior 5-year forecast?NoIf No, why should this project be completed instead of a planned project?NoReduce risk and increase safety and reliability.No

Why do we need to complete this project in the period requested?

To effectively manage the risk associated with high pressure transmission services.

What are the risks and consequences of not completing this project?

Reduce the likelihood of an incident resulting from high pressure transmission service. Reducing and/or eliminating this inventory is the most effective way of accomplishing this.

s this Project in Central Hudson's current approved rate case?						
Is this Project tied to a regulatory requirement?			No			
Does this Project result in cost avoidance, cost saving Yes, cost avoidance for anything related to events trigger	•		Yes			
Does this Project enhance Central Hudson's custome Yes, this program reduces risk associated with failures or	•	•	Yes			
Does this Project reduce risk, debt, or vulnerabilities Yes, this program reduces risk associated with failures or	•		ture, etc.)? Yes			
Does this Project improve or enhance safety for Centry Yes, this program reduces risk associated with failures or			c? Yes			
Prioritization Ranking	g*	•				
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.	VERY HIGH					



D. COST ESTIMATE

	Capital Estimate Summary	Year 1 = 1si 5-year bu				cost estimates sh adjustments for i			
	\$13,551,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
A	Stock Materials	0							
	A/P Non-Stock Material	0							
Ĩ	A/P Contractors & Other	12,430,000		1,150,000	1,586,000	1,873,000	2,607,000	5,214,000	
τ	Inflation	958,000		24,000	68,000	117,000	216,000	533,000	
1	AFUDC*	158,000		8,000	18,000	19,000	29,000	84,000	
O N	Journal Vouchers (JVs)	0							
R	CIAC Payments CREDIT	0							
3	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	13,546,000	0	1,182,000	1,672,000	2,009,000	2,852,000	5,831,000	0
	Labor (Weekly Payroll)	0							
E	Labor (Monthly Payroll)	0							
Т	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	5,000		1,000	1,000	1,000	1,000	1,000	
R	Overheads	0							
M	Journal Vouchers (JVs)	0		10 <u>-10-</u> 1					
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0							
S	Joint Utility Payments CREDIT	0							
3	TOTAL REMOVALS:	5,000	0	1,000	1,000	1,000	1,000	1,000	0
	* AFUDC may require adjustment after Finance Depart								
	Expense \$ (if applicable):	0							
_(Current Approved Rate Case Funding (\$):	n/a*	n/a*	n/a*	n/a*				
27		* Not applicable f	or 2025-2029 budg	ot process when	1				

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Not included in current PSC-approved budget plan	
Cost Estimate Level:ConceptualCost Estimate Confidence:(that final cost will be within +/-30% of the estimate):High Confidence	
No further estimate range is required.	Formulas give standard ranges
Cost Estimate Range:Minimum (\$):9,485,700Maximum (\$):17,616,300No explanation on confidence level required.	 per estimate level, but may be overwritten if desired.
Basis for estimate: Historical Proforma Pricing (select all that apply)	
Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?	No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Historical proforma install costs extrapolated and adjusted for future install costs.



ear Budget Period: 2025	First Year of 5-Year Budget Period:		Submission Date: June 1, 2024		
y:27	Budget Category:				
Gas	Budget Group:		Business Sponsor: E. Kiszkiel		
le Phase: 4 Implementation (IT/OT)	Current Life-Cycle I	า	Prepared By: David McGowan		
			A. GENERAL		
Work Order #:		Project/Program Name: Gas Meter			
Inding Project Number: 2-2711-00-08	Fundi	Funding Project Description: GAS METERS			
t: 1/1/2025 In-Service: 1/1/2025	Target Schedule - Start: 1	r Blanket? Blanket	Is this a Specific Project, Program or E		
Work Order #: 2-2711-00-08	Current Life-Cycle I Fundi	METERS	Prepared By: David McGowan A. GENERAL Project/Program Name: Gas Meter Funding Project Description: GAS ME		

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories: X081A, X084A, 2712-00-18

Describe the project objective and scope of work:

Meter Services is required to purchase and install metering equipment to support regulatory requirements, as well as new business initiatives.

Describe specific scope exclusions, assumptions and constraints: Meters and related material are required to support regulatory and new business requirements.

B. ALTERNATIVES

What other options were considered to the proposed project to meet the objective? $N\!/\!A$

Why was the proposed project scope chosen over other alternatives? $N\!/\!A$

C. JUSTIFICATION

Load Based/Infrastructure: **Discretion Level:**

Needs Assessment: Compliance If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? Yes Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments. Regulatory and new business.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.) Maintaining accurate metering.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document:

Infrastructure

Non-Discretionary

Which Strategic Theme does project most align with? Which Strategic Objective does project most align with? Which Strategic Initiative does project most align with? Which Team Goal does project most align with? Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates Yes

* Environmental impacts must be taken into consideration to the extent that you are able considering current phase, maturity of scope and knowledge of field conditions.

Do you anticipate the project to require significant jurisdictional approvals? (select all that apply)

No

ESG (Environmental, Social and Governance) and Sustainability:

Complete the ESG Checklist on the separate worksheet (tab). Results of your answers will be automatically shown below:

Checklist Fully Completed: Yes **Environmental Component:** No **Social Component:** No **Governance Component:** No

Is complete Sustainability status achieved by this project?* No

Growth/Sustaining/Retirement: **Distribution Sustaining Investment Type:** New Business Is there an Innovation Component? No

> * Sustainability status is achieved for the project if the ESG checklist shows that there is at least one component each for environmental, social and governance.

CLICK HERE

Business Modernization Improve system performance and resilience **Business & Operations Modernization/Transformation Group Expense**





 What is the relative urgency of this project?
 Immediate
 Already in-progress or recommend commencement within next 12-months.

 Was this project included in a prior 5-year forecast?
 Yes

 If No, why should this project be completed instead of a planned project?
 Yes

 N/A
 N/A

Why do we need to complete this project in the period requested? Requirements are yearly.

What are the risks and consequences of not completing this project?

Variations in the number of installs, equipment failures, cost increases, and material lead times.

Is this Project in Central Hudson's current approved rate case?	Yes
Is this Project tied to a regulatory requirement?	Yes
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?	Yes
Does this Project enhance Central Hudson's customer experience or service delivery?	Yes
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?	Yes
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?	No

Prioritization Ranking	*		
* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the	\uparrow	\uparrow	\uparrow
same prioritization question responses.	VERY	MEDIUM	VERY
	HIGH		LOW



D. COST ESTIMATE

	Capital Estimate Summary	Year 1 = 1sl 5-year bu		e All future year cost estimates should include applicable adjustments for inflation.					
	\$16,093,000	TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
A	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	15,145,000		3,061,000	2,945,000	2,973,000	3,105,000	3,061,000	
τ	Inflation	948,000		65,000	127,000	186,000	257,000	313,000	
1	AFUDC*	0							
	Journal Vouchers (JVs)	0			() 				
S	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	16,093,000	0	3,126,000	3,072,000	3,159,000	3,362,000	3,374,000	0
	Labor (Weekly Payroll)	0							
E	Labor (Monthly Payroll)	0						-	
т	A/P Non-Labor (dumpsters, etc.)	0							
1	A/P Contractors	0							
R	Overheads	0							
	Journal Vouchers (JVs)	0							
E	Salvage CREDIT	0							
N	CIAC Payments CREDIT	0							
T	Joint Utility Payments CREDIT	0							
S	TOTAL REMOVALS:	0	0	0	0	0	0	0	0
	* AFUDC may require adjustment after Finance Depart								
	Expense \$ (if applicable):	0						The second	
(Current Approved Rate Case Funding (\$):	n/a*	n/a* or 2025-2029 budg	n/a*	n/a*				

* Not applicable for 2025-2029 budget process when

rate case funding not yet confirmed.



Budget Status: Included in current PSC-approved budget plan under a PROGRAM Conceptual **Cost Estimate Level:** High Confidence **Cost Estimate Confidence:** (that final cost will be within +/-30% of the estimate): No further estimate range is required. Formulas give standard ranges ← per estimate level, but may be Maximum (\$): **Cost Estimate Range:** Minimum (\$): 20,920,900 11,265,100 overwritten if desired. No explanation on confidence level required. Historical Unit Pricing Basis for estimate: (select all that apply) Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived? No

E. ADDITONAL INFORMATION

If there is any additional information that you would like to add that is not covered elsewhere in this form, you may add it here (optional): Previous material costs and trending needs.