

COMMON PROGRAM INDIVIDUAL PROJECT SUBMITTAL FORMS

Redacted

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4220

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: 3 Year Term License Renewal - Feb 2025 - (ArcGIS Portal)

Work Order #: -

Funding Project Description: IT - Engineering Initiatives

Funding Project Number: 4-4220-35-18

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 2/1/2025

In-Service: 2/1/2028

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:

ArcGIS 3 year License Renewal

Describe specific scope exclusions, assumptions and constraints:

ArcGIS 3 year License Renewal

B. ALTERNATIVES

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

Do not renew licenses and be out of compliance.

Why was the proposed project scope chosen over other alternatives?

To stay in compliance with our licensing agreement and keep using ArcGIS.

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: Maintain System Standards
 Growth/Sustaining/Retirement: Growth Sustaining
 Investment Type: Daily Operations
 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.

ArcGIS 3 year License Renewal

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

N/A

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

[CLICK HERE](#)

Which **Strategic Theme** does project most align with?

Operational Excellence

Which **Strategic Objective** does project most align with?

Leverage information and operating technologies

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

PSC Complaint Rate

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: No

Social Component: No

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.

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?

Why do we need to complete this project in the period requested?
Without License renewal, we will not be able to use ArcGIS.

What are the risks and consequences of not completing this project?
Without License renewal, we will not be able to use ArcGIS.

Is this Project in Central Hudson's current approved rate case? *No*
 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.)? *Yes*
Reduces Cyber and EOL Risks
 Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? *No*



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.					
\$1,074,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	1,052,000							
	A/P Contractors & Other	0		511,000			541,000		
	Overheads	0							
	AFUDC*	22,000		6,000			16,000		
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,074,000	0	517,000	0	0	557,000	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL REMOVALS:		0	0	0	0	0	0	0

* AFUDC may require adjustment after Finance Department 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: 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.

Cost Estimate Range: Minimum (\$): 751,800 Maximum (\$): 1,396,200

No explanation on confidence level required.

← *Formulas give standard ranges 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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 1/1/2026 **In-Service:** 12/20/2026

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Growth Sustaining
 Investment Type: Daily Operations
 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.

We would like to do this assessment in order to be able to better estimate the implementation of a new AMI system.

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

Ensures rate base accuracy by enabling Central Hudson to obtain an accurate scope, cost, and impact for AMI Implementation project.

For the following strategic alignment questions, 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 productivity and efficiency

Which Strategic Initiative does project most align with?

Business & Operations Modernization/Transformation

Which Team Goal does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

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: No

Social Component: No

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.

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?

No

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

This project will help us determine what, how, and when should target the AMI implementation project

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

This assessment needs to be completed by 2026 in order for us to be able to make good estimation and documentation around the AMI implementation into our next DSIP and Rate Case filings

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

High risk of unknowns, poor cost estimating, insufficient resourcing, and high risk of inaccuracy in 2027 rate projections for the AMI project.

Is this Project in Central Hudson's current approved rate case?

No

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

more efficient Meter Reading process

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

better meter reading for customers

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

Yes

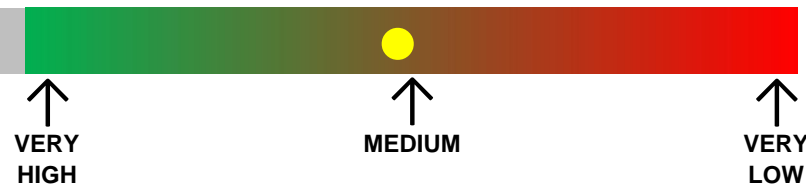
Reduced cyber risks

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,624,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	150,000			150,000				
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	1,401,000			1,401,000				
	Overheads & Other	13,000			13,000				
	AFUDC*	60,000			60,000				
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,624,000	0	0	1,624,000	0	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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 as a SPECIFIC PROJECT

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.

Cost Estimate Range: Minimum (\$): 1,299,200 Maximum (\$): 1,948,800

No explanation on confidence level required.

← *Formulas give standard ranges
per estimate level, but may be
overwritten if desired.*

Basis for estimate: Contractor/Vendor Bids For Certain Work

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):



C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Growth Sustaining
 Investment Type: Growth

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 Technology organization must also ensure the continued operations of 350 business software platforms over the next 5-years, requiring a capital investment of \$\$\$\$. These upgrade and enhancement projects. are required to ensure the software solutions continue to receive vendor support, cybersecurity-related updates, and are optimized (enhanced) in alignment with evolving business needs. The portfolio of software applications

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

We anticipate that future Application Upgrades would have cost savings/avoidance, Customer Experience and Risk Reduction benefits.

For the following strategic alignment questions, 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 productivity and efficiency

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.

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?

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

These requests are for future Application upgrades based on historic data

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

We would increase technical debt and risk by not upgrading technology

Is this Project in Central Hudson's current approved rate case?

Yes

2023

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

Application portfolio rationalization

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

will be updating some Cust Exp Applications

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

Yes

Reduces Cyber and EOL Risks

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 same prioritization question responses.

↑
VERY
HIGH

↑
MEDIUM

↑
VERY
LOW

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.					
\$3,028,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	1,479,000		260,000	294,000	300,000	359,000	266,000	
	Stock Materials	1,449,000		287,000	286,000	306,000	285,000	285,000	
	A/P Non-Stock Material	0							
	A/P Contractors & Other	0							
	Overheads	0							
	AFUDC*	100,000		8,000	22,000	23,000	19,000	28,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		3,028,000	0	555,000	602,000	629,000	663,000	579,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0

* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

cost estimate were based off of historical spend to upgrade applications with some adjustments from learnings

← Formulas give standard ranges 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?

No

E. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 1/1/2025 **In-Service:** 12/1/2029

C. JUSTIFICATION

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

Growth/Sustaining/Retirement: Growth Sustaining
Investment Type: Daily Operations
Is there an Innovation Component? No

Needs Assessment: Productivity; Reliability; Risk Reduction

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.

Yearly planned purchase and rollout of IT assets to improve performance, meet operational objectives, to ensure vendor support and minimize cyber security risk of older HW/SW.

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

N/A

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

[CLICK HERE](#)

Which **Strategic Theme** does project most align with?

Operational Excellence

Which **Strategic Objective** does project most align with?

Improve safety and security culture

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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:** No

Social Component: No

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.

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?

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

We have an obligation to provide tools for users to perform their jobs whether onsite, at home or in the field. We are becoming more reliant on electronic processes versus legacy paper, etc.

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

By not updating our SW, we risk security gaps, lack of vendor support and poor cyber scores from a Fortis corporate perspective

Is this Project in Central Hudson's current approved rate case? No

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? Yes

Employees will have the right tools to do their jobs properly

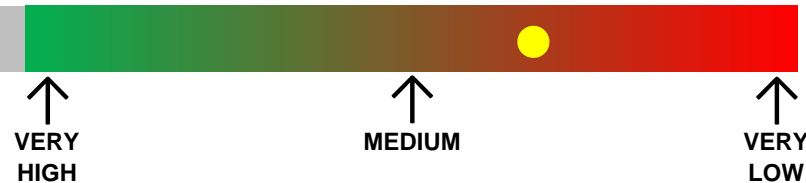
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

Reduce Cyber risks with having CH approved SW

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,921,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	317,000		57,000	59,000	66,000	66,000	69,000	
	Stock Materials	0							
	A/P Non-Stock Material	1,412,000		189,000	252,000	289,000	335,000	347,000	
	A/P Contractors & Other	0		0	0	0	0	0	
	Overheads & Other	125,000		25,000	25,000	25,000	25,000	25,000	
	AFUDC*	67,000		4,000	13,000	15,000	13,000	22,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,921,000	0	275,000	349,000	395,000	439,000	463,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: **2025**

Business Sponsor: Doug Ondreyko

Budget Category: **4220**

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Complex Billing and other Regulatory Requirements

Work Order #:

Funding Project Description: Cat 4220 - CIS/CX Project

Funding Project Number: 10182

Is this a Specific Project, Program or Blanket? Program

Target Schedule - Start: 1/1/2025

In-Service: 12/1/2029

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:

This program is to address annual regulatory requirement changes

Describe specific scope exclusions, assumptions and constraints:

This program is to address annual regulatory requirement changes

B. ALTERNATIVES

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

do nothing; then not be able to an identified project due to emergent regulatory changes

Why was the proposed project scope chosen over other alternatives?

This will hold a spot for emergent regulatory changes and eliminate not being able to do an identified project due to emergent regulatory changes

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Strategic Goal

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 to address annual regulatory requirement changes

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

This will hold a spot for emergent regulatory changes and eliminate not being able to do an identified project due to emergent regulatory changes

For the following strategic alignment questions, 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?

Leverage information and operating technologies

Which **Strategic Initiative** does project most align with?

Seamless Customer Experience

Which **Team Goal** does project most align with?

PSC Customer Satisfaction Survey

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.

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? No

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

Regulatory requirements

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

Regulatory requirements

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

Being out of regulatory compliance

Is this Project in Central Hudson's current approved rate case?

No

Is this Project tied to a regulatory requirement?

Yes

Regulatory billing changes

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?

Yes

Better billing experiences for customers

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

Yes

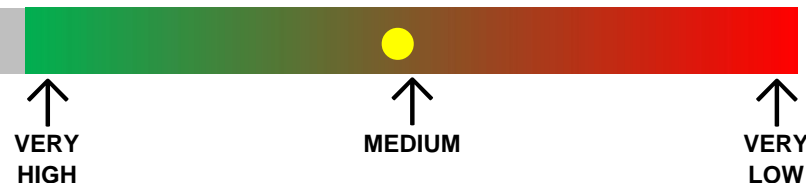
Reduces Cyber and EOL Risks

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,374,000									
ADDITIONS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	505,000		100,000	100,000	101,000	102,000	102,000	
	Stock Materials	0							
	A/P Non-Stock Material	0		0	0	0	0	0	
	A/P Contractors & Other	698,000		130,000	136,000	140,000	144,000	148,000	
	Overheads & Other	125,000		25,000	25,000	25,000	25,000	25,000	
	AFUDC*	46,000		4,000	10,000	10,000	8,000	14,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,374,000	0	259,000	271,000	276,000	279,000	289,000	0
REMOVALS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Rough estimate as a place holder for future implementation

← Formulas give standard ranges 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?

No

E. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

In-Service: 12/1/2028

C. JUSTIFICATION

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

Needs Assessment: Productivity; Reliability; Risk Reduction

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.

Understanding pressure monitoring device health - Safety Risk Reduction

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

Understanding pressure monitoring device health - Safety Risk Reduction

For the following strategic alignment questions, 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 safety and security culture

Which **Strategic Initiative** does project most align with?

Transform Safety Culture

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.

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?

Gas Safety Risks

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

Need to keep Application up to date and in compliance

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

By not updating our SW, we risk security gaps, lack of vendor support and poor cyber scores from a Fortis corporate perspective

Is this Project in Central Hudson's current approved rate case? No

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

more efficient process with new functionality

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.)? Yes

Reduction in Cyber Risks

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes

gas safety



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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$2,066,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	390,000				183,000	207,000		
	Stock Materials	546,000				274,000	272,000		
	A/P Non-Stock Material	800,000				400,000	400,000		
	A/P Contractors & Other	62,000				12,000	50,000		
	Overheads & Other	200,000				100,000	100,000		
	AFUDC*	68,000				38,000	30,000		
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		2,066,000	0	0	0	1,007,000	1,059,000	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges 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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

In-Service: 12/1/2029

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

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

Needs Assessment: Productivity; Reliability; Risk Reduction

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 number of DG/DER interconnections increase on the CenHud system, it will become necessary to develop a DERMS to manage existing interconnections, monitor system violations (grid constraints), and enable flexible interconnections (increased hosting capacity). DG Developers are persistently asking for DERMS.

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

DERMS enables CenHud to increase hosting capacity for DG/DER interconnections by curtailing DG during electric system violations (grid constraints). DERMS enables safe and reliable operation of the electric power system while interconnecting as much DG as the system can handle.

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

[CLICK HERE](#)

Which **Strategic Theme** does project most align with?

Energy Leadership

Which **Strategic Objective** does project most align with?

Improve system performance and resilience

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

PSC Complaint Rate

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.

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?

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

We have an obligation to provide tools for users to perform their jobs whether onsite, at home or in the field. We are becoming more reliant on electronic processes versus legacy paper, etc.

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

By not updating our SW, we risk security gaps, lack of vendor support and poor cyber scores from a Fortis corporate perspective

Is this Project in Central Hudson's current approved rate case? No

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.)? No

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	1,365,000				1,365,000			
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	2,885,000				2,885,000			
	Overheads	0							
	AFUDC*	165,000				165,000			
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL ADDITIONS:	4,415,000	0	0	0	4,415,000	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:	0	0	0	0	0	0	0	0	

* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4220

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: FCS Upgrades and Enhancements

Work Order #: -

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2026

In-Service: 12/20/2029

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:

The Itron FCS upgrade project will bring Central Hudson's FCS software up to latest version, ensuring sustained Itron support. The project will also allow for capability with Itron Mobile, a mobile application for which the new Tough pad devices will be used in the field to bring in meter reads.

Describe specific scope exclusions, assumptions and constraints:

The Itron FCS upgrade project will bring Central Hudson's FCS software up to latest version, ensuring sustained Itron support. The project will also allow for capability with Itron Mobile, a mobile application for which the new Tough pad devices will be used in the field to bring in meter reads.

B. ALTERNATIVES

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

Do nothing - Use out dated, unsupported technology

Why was the proposed project scope chosen over other alternatives?

continue to use out dated, unsupported technology - Increasing Technology and Cyber risks

C. JUSTIFICATION

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

Growth/Sustaining/Retirement: Growth Sustaining
 Investment Type: Daily Operations
 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 Itron FCS upgrade project will bring Central Hudson's FCS software up to latest version, ensuring sustained Itron support. The project will also allow for capability with Itron Mobile, a mobile application for which the new Tough pad devices will be used in the field to bring in meter reads.

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

Risk reductions and process efficiencies

For the following strategic alignment questions, 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?

Leverage information and operating technologies

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

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: No

Social Component: No

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.

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? No

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

This project was in progress but was put on hold due to vendor constraints - Contract obligations

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

Keep up to date with Technology and cyber risks

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

Out of date technology and Increased cyber risks

Is this Project in Central Hudson's current approved rate case?

No

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

Latest SW would have latest functionality to enhance efficiencies

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.)?

Yes

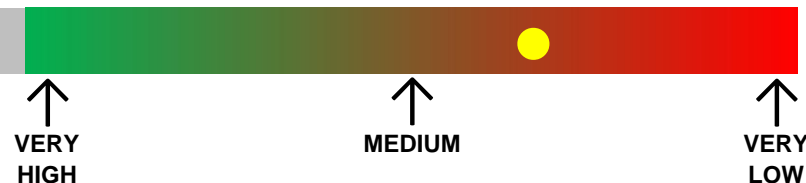
Reduces potential cyber risks

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,568,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	200,000			100,000			100,000	
	Stock Materials	0							
	A/P Non-Stock Material	0						0	
	A/P Contractors & Other	1,196,000			580,000			616,000	
	Overheads & Other	105,000			50,000			55,000	
	AFUDC*	67,000			28,000			39,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,568,000	0	0	758,000	0	0	810,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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 as a SPECIFIC PROJECT

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.

Cost Estimate Range: Minimum (\$): 1,254,400 Maximum (\$): 1,881,600

No explanation on confidence level required.

← Formulas give standard ranges per estimate level, but may be overwritten if desired.

Basis for estimate: Contractor/Vendor Bids For Certain Work

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4220

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: ArcGIS Pro Upgrade & Enhancements

Work Order #: -

Funding Project Description: IT - Engineering Initiatives

Funding Project Number: 4-4220-35-18

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2024

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:

ESRI will be ending support for the ArcGIS Desktop based software suite in March of 2026. This project will ensure Central Hudson is able to support this application on a more recent version

Describe specific scope exclusions, assumptions and constraints:

Constraint: Applications currently integrated with ArcGIS Desktop may not be compatible with the ArcGIS Pro.

B. ALTERNATIVES

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

Stay on existing version with limited ability to support or resolve issues with GIS and integrated applications.

Why was the proposed project scope chosen over other alternatives?

ArcGIS is a foundational application we use. To not move to a supported new version of it we mean we have to change our strategy and a new application.

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Productivity

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.

ArcGIS desktop has reached the end of support and will require Central Hudson to migrate to AcrGIS Pro. If we do stay on the current version it could not only be a risk for the support of ArcGIS but other applications that integrate may stop supporting ArcGIS Desktop.

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

N/A

For the following strategic alignment questions, 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?

Leverage information and operating technologies

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

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? 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: No

Social Component: No

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.

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?

No

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

newly identified project, Core application needed to ensure the modernization of out distribution grid, gas safety/compliance, gas transformation in alignment with NYS regulatory updates.

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

ESRI will stop supporting ArcGIS Desktop in March of 2026.

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

If an issue arises and support ends, Central Hudson will no longer be able to have questions answered by ESRI, vulnerabilities may be left unpatched, incompatibilities may occur, and new functionality will not be added.

Is this Project in Central Hudson's current approved rate case?

No

Is this Project tied to a regulatory requirement?

No

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?
 efficiencies

Yes

Does this Project enhance Central Hudson's customer experience or service delivery?
 improved functionality trickling down to customer experiences

Yes

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?
 Reduces Cyber and EOL Risks

Yes

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

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**

↑
MEDIUM

↑
**VERY
 LOW**

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.					
\$1,104,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	62,000				62,000			
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	976,000				976,000			
	Overheads & Other	25,000				25,000			
	AFUDC*	41,000				41,000			
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,104,000	0	0	0	1,104,000	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL REMOVALS:		0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Havent gathered all requirements/scope to be able to have higher confidence

← Formulas give standard ranges
per estimate level, but may be
overwritten if desired.

Basis for estimate: FOS-Generated Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):



C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Growth Sustaining
 Investment Type: Daily Operations
 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.

ERP is the backbone system in our technology landscape and will provide for superior process automation for customer fulfillment and service
 ERP will provide substantially improved business processes via automation and data analytics that improve supply chain metrics, working capital and resource allocation.

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

Hard Benefits: 1) Net Present Value (AT) = \$12M; IRR = 21%; TTV = 5.5 years

Soft Benefits: 1) Improved financial Close 2) Increased Client Satisfaction 3) Increased process automation 4) System performance

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with? Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with? DOES NOT ALIGN WITH ANY TEAM GOAL

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: No

Social Component: No

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.

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?

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

To align with Rate Case; will fall after ERP assessment project has completed in 2026.

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

Out of compliance with Rate Case.

Is this Project in Central Hudson's current approved rate case?

Yes

2023

Is this Project tied to a regulatory requirement?

Yes

regulatory requirement

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?

Yes

consolidation of Mainframe applications

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.)?

Yes

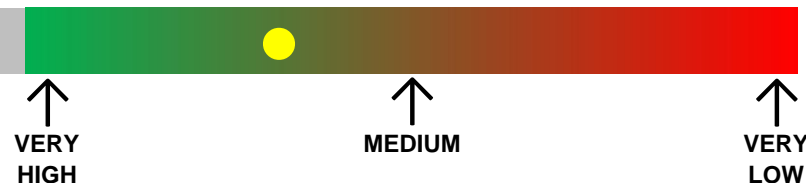
Reduces Cyber Risks and EOL HW risks

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$50,341,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	4,611,000					1,901,000	2,710,000	0
	Stock Materials	3,193,000					1,458,000	1,735,000	0
	A/P Non-Stock Material	0							0
	A/P Contractors & Other	39,725,000					11,500,000	28,225,000	0
	Overheads & Other	700,000					300,000	400,000	0
	AFUDC*	2,112,000					448,000	1,664,000	0
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		50,341,000	0	0	0	0	15,607,000	34,734,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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 as a SPECIFIC PROJECT

Cost Estimate Level: Preliminary

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

We have an assement planned for 2026 to assist with scope, cost and timing estimates

← Formulas give standard ranges per estimate level, but may be overwritten if desired.

Basis for estimate: Contractor/Vendor Bids For Certain Work

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):



First Year of 5-Year Budget Period: **2025**

Budget Category: _4220

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Work Order #: -

Funding Project Number: 10183

Target Schedule - Start: 1/1/2025 **In-Service:** 12/1/2028

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 project aims to enhance the functionality, performance, and usability of the Intrepid geospatial solution for gas transmission developed by CHA Integrated Solutions. The project will focus on upgrading the existing system to leverage new technologies, improve data management capabilities, and provide enhanced features for efficient gas transmission operations.

Describe specific scope exclusions, assumptions and constraints:

- 1) The Gas Transmission Integrity Software upgrade will be fully compatible with the organization's existing hardware infrastructure and database systems.
- 2) The upgrade scope will not include customizations that require significant changes to the core software code, ensuring seamless compatibility with future updates.

B. ALTERNATIVES

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

The alternatives considered included developing a custom in-house software solution and adopting a different commercial software package specifically designed for gas transmission integrity management.

Why was the proposed project scope chosen over other alternatives?

Not upgrading the Gas Transmission Integrity Software may result in decreased system performance, increased vulnerability to security threats, and limited access to critical software updates and support, potentially leading to operational inefficiencies, regulatory non-compliance, and higher risks of pipeline integrity issues. Furthermore, relying on alternative software solutions could involve higher implementation costs, longer learning curves for

C. JUSTIFICATION

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

Growth/Sustaining/Retirement: Growth Sustaining
Investment Type: Daily Operations
Is there an Innovation Component? No

Needs Assessment: Resilience

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.

Upgrading the Gas Transmission Integrity Software is essential to leverage the latest advancements, security patches, and performance improvements, ensuring the integrity and reliability of gas transmission operations while staying compliant with industry regulations.

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

The upgraded Gas Transmission Integrity Software is expected to reduce inspection and maintenance downtime by 20%, leading to increased operational efficiency and cost savings. Additionally, the improved data analysis capabilities are projected to decrease the likelihood of pipeline failures

For the following strategic alignment questions, 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

Which ***Strategic Initiative*** does project most align with? Business & Operations Modernization/Transformation

Which Team Goal does project most align with?

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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:** No

Social Component: No

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.*

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?

Why do we need to complete this project in the period requested?
Software will no longer be supported which will impact productivity

What are the risks and consequences of not completing this project?
Not upgrading the Gas Transmission Integrity Software may result in decreased system performance, increased vulnerability to security threats, and limited access to critical software updates and support, potentially leading to operational inefficiencies, regulatory non-compliance, and higher risks of pipeline integrity issues. Furthermore, relying on alternative software solutions could involve higher implementation costs, longer learning curves for

Is this Project in Central Hudson's current approved rate case? *No*

Is this Project tied to a regulatory requirement? *Yes*

New code compliance that requires us to know pipeline materials and pressure test records. This software tags it to the specific pipes

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? *Yes*

Automated reporting could result in 60 hours time saving annual for an engineer

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.)? *Yes*

Allows us to know our system better which can result in better decision making

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? *Yes*

Pipeline safety



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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,511,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	250,000		100,000			150,000		
	Stock Materials	0							
	A/P Non-Stock Material	562,000		253,000			309,000		
	A/P Contractors & Other	485,000		210,000			275,000		
	Overheads & Other	180,000		75,000			105,000		
	AFUDC*	34,000		9,000			25,000		
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,511,000	0	647,000	0	0	864,000	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges
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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 1/1/2026 **In-Service:** 8/30/2028

C. JUSTIFICATION

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

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.

This project will support Central Hudsons strategy to get off the Mainframe to avoid the risk of continuing on legacy applications. If we do not replace the gas functionality in IEA it wil impact natural gas reliability by not be able to provide System Operators the natural gas supply.

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

See BCA tab of Cost Estimate & Benefit-Cost Analysis Template

For the following strategic alignment questions, 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 productivity and efficiency

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

Group Expense

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:** No

Social Component: No

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.*

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?

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

Both solutions may take up to three years to implement. With the goal of getting off of mainframe the project should start sooner than later to meet that deadline.

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

This project is in line with Central Hudson's strategy to get off of the mainframe. With the population of resources able to support and enhance mainframe getting smaller, it is for Central Hudson's best interest to investigate modern solutions that can be supported and enhanced.

Is this Project in Central Hudson's current approved rate case? Yes

2023

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

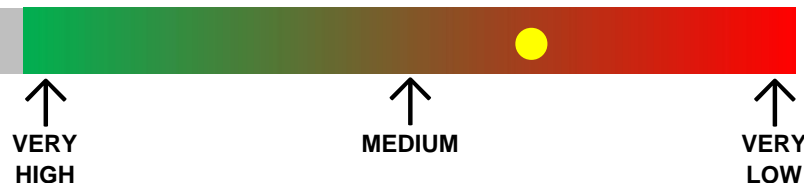
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

Reduces Cyber and EOL Risks

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 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.					
\$1,884,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	250,000				150,000	100,000		
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	1,496,000				863,000	633,000		
	Overheads & Other	75,000				50,000	25,000		
	AFUDC*	63,000				41,000	22,000		
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,884,000	0	0	0	1,104,000	780,000	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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 as a SPECIFIC PROJECT

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.

Cost Estimate Range: Minimum (\$): 1,507,200 Maximum (\$): 2,260,800

No explanation on confidence level required.

← *Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4220

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Integrated Energy Data Resource (IEDR) Phase II

Work Order #: -

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Program

Target Schedule - Start: 1/1/2024

In-Service: 12/1/2026

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:

Implementation of the technology to support the requirements and use cases ordered by the commission related to IEDR Phase II.

Describe specific scope exclusions, assumptions and constraints:

Exclusion: Does not include the Netezza mitigation project

Exclusion: Does not include the migration from Netezza to the data lake

Assumption: Resource availability will be provided both internally and externally

Assumption: Cost associated to this project will be available per the commission

B. ALTERNATIVES

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

Alternative is to not comply with PSC Order regarding IEDR

Why was the proposed project scope chosen over other alternatives?

Compliance with PSC Order - IEDR

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: Non-Discretionary
 Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Compliance
 Is there an Innovation Component? No

Needs Assessment: Compliance

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.

PSC Commission Order - IEDR

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

This project's technology is foundational to the enablement of future benefits associated with application retirement for the legacy reporting solution. However, the scope of that migration and retirement is excluded from this project and program, but it is subsequent to this.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document: [CLICK HERE](#)

Which **Strategic Theme** does project most align with? Energy Leadership
 Which **Strategic Objective** does project most align with? Leverage information and operating technologies
 Which **Strategic Initiative** does project most align with? Business & Operations Modernization/Transformation
 Which **Team Goal** does project most align with? DOES NOT ALIGN WITH ANY TEAM GOAL

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: No
 Social Component: No
 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.

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?
 regulatory requirement

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

PSC Commission Order - IEDR

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

PSC Commission Order - IEDR

Is this Project in Central Hudson's current approved rate case? No

Is this Project tied to a regulatory requirement? Yes
 IEDR

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 safety for Central Hudson employees, contractors or the public? No



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.					
\$4,971,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	2,458,000		1,193,000	1,265,000				
	Stock Materials	1,000,000		500,000	500,000				
	A/P Non-Stock Material	286,000		144,000	142,000				
	A/P Contractors & Other	100,000		50,000	50,000				
	Overheads & Other	1,000,000		500,000	500,000				
	AFUDC*	127,000		33,000	94,000				
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		4,971,000	0	2,420,000	2,551,000	0	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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 as a SPECIFIC PROJECT

Cost Estimate Level: Preliminary

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Rough order of magnitude estimate due to lack of requirements and historical costs

← Formulas give standard ranges 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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 6/1/2024 **In-Service:** 12/31/2026

C. JUSTIFICATION

Load Based/Infrastructure: Other
Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
Investment Type: Daily Operations
Is there an Innovation Component? No

Needs Assessment: Strategic Goal

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.

Current on-prem Genesys platform limits ability to modernize / enhance IVR & contact center functionality, to be more in line with customer expectations.

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

More flexibility, better work force management, less dependency on vendor for management, increase IVR call containment rate through expanded self service functions, enable customer to transition to other channels seamlessly, expand customer analytics and to reduce call volume to CSRs.

For the following strategic alignment questions, 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? Leverage information and operating technologies

Which **Strategic Initiative** does project most align with? Business & Operations Modernization/Transformation

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:** No

Social Component: No

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.*

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? No

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

Business prioritization of increasing customer experience.

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

It has been overlooked for the past several years.

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

No enhanced functionality, technology limitations, tied to current limiting vendor, current IVR on prem which poses risk to natural disaster interruption or other interruption. Wouldn't be able to identify problems before they become customer pain points.

Is this Project in Central Hudson's current approved rate case? Yes

2023

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

Improved efficiencies with processes and systems

Does this Project enhance Central Hudson's customer experience or service delivery? Yes

Better IVR system to assist customers

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

Reduces Cyber and EOL Risks

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 same prioritization question responses.

↑
VERY
HIGH

↑
MEDIUM

↑
VERY
LOW

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.					
\$3,046,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	1,060,000		500,000	560,000				
	Stock Materials	0							
	A/P Non-Stock Material	653,000		653,000	0				
	A/P Contractors & Other	1,269,000		890,000	379,000				
	Overheads	0							
	AFUDC*	64,000		28,000	36,000				
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		3,046,000	0	2,071,000	975,000	0	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0

* AFUDC may require adjustment after Finance Department 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: 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.

Cost Estimate Range: Minimum (\$): 2,436,800 Maximum (\$): 3,655,200

No explanation on confidence level required.

← Formulas give standard ranges per estimate level, but may be overwritten if desired.

Basis for estimate: Vendor Generated Cost Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: **2025**

Business Sponsor: Doug Ondreyko

Budget Category: **4220**

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Kubra - Payment Experience Vendor & eBill, Bill Presentment and Bill Print

Work Order #:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Funding Project Description: Cat 4220 - CIS/CX Project

Funding Project Number: 10182

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2025

In-Service: 12/1/2027

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:

Direct payment options through payment provider replacing Kubra.

Describe specific scope exclusions, assumptions and constraints:

Constraint: WEB & Mobile development resources availability

Constraint: SAP changes will be needed

Assumption: IVR updates needed as well

Assumption: CSR Training would be needed

B. ALTERNATIVES

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

Remain status quo with current Kubra functionality for payments & billing.

Why was the proposed project scope chosen over other alternatives?

Kubra experience is not a seamless experience for our customers.

C. JUSTIFICATION

Load Based/Infrastructure: Other
Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
Investment Type: Daily Operations
Is there an Innovation Component? No

Needs Assessment: Strategic Goal

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.

Customers can pay via multiple ways; however, the current payment channels are hosted via multiple platforms owned by Kubra. This leads to a segmented experience for customers where they are faced with information delays, lengthy transaction processes, and a disjointed user experience as they navigate between pages. Also New Vendor for Bill Presentment, Bill Print and eBills.

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

Improved usability will increase the User's experience & Customer Satisfaction scores and also can increase self-service activities on the web, mobile app & IVR, deflecting calls to the Contact Center.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document: [CLICK HERE](#)

Which <u>Strategic Theme</u> does project most align with?	Business Modernization
Which <u>Strategic Objective</u> does project most align with?	Leverage information and operating technologies
Which <u>Strategic Initiative</u> does project most align with?	Seamless Customer Experience
Which <u>Team Goal</u> does project most align with?	PSC Customer Satisfaction Survey
Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):	Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.*

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?

No

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

In order to continue to enhance our billing for our customers, we need to find a replacement for our current system/service provider.

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

It has been overlooked for the past several years.

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

A segmented experience for our customers where they are faced with information delays, lengthy transaction processes, and a disjointed user experience as they navigate between CH and Kubra pages on web and mobile app.

Is this Project in Central Hudson's current approved rate case?

No

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

improving systems and processs to be more efficient

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

billing improvements

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*

* 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$2,705,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	300,000		100,000	100,000	100,000			
	Stock Materials	0							
	A/P Non-Stock Material	1,942,000		336,000	793,000	813,000			
	A/P Contractors & Other	250,000		50,000	100,000	100,000			
	Overheads & Other	125,000		25,000	50,000	50,000			
	AFUDC*	88,000		7,000	40,000	41,000			
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		2,705,000	0	518,000	1,083,000	1,104,000	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Rough estimate as a place holder for future implementation

← Formulas give standard ranges 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?

No

E. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Patrick Garvey

Budget Category: 4220

Prepared By: Patrick Garvey

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Middleware SOA Upgrade

Work Order #: -

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Blanket

Target Schedule - Start: 1/1/2024

In-Service: 12/1/2029

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:

To simplify integration by unifying disparate requirements for the latest integration challenges of mobile, cloud, and IoT into one standards-based integration platform.

Describe specific scope exclusions, assumptions and constraints:

Constraint: When moving to cloud, how do we move the developed API's with minimal impact?

B. ALTERNATIVES

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

Considering SAP and Oracle solutions

Why was the proposed project scope chosen over other alternatives?

N/A

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: Maintain System Standards
 Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Reliability

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? No

Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments.

Oracle will no longer be supporting the on-prem solution starting 2027 and 2025 is the end date of software updates. Going forward the enterprise cloud solution (OCI) will be the only version supported.

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

N/A

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

[CLICK HERE](#)

Which **Strategic Theme** does project most align with?

Operational Excellence

Which **Strategic Objective** does project most align with?

Improve system performance and resilience

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.

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? No

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?

Premier support ends in December 2025 and Extended support ends in December of 2027.

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

Falling out of Oracle support and security updates.

Is this Project in Central Hudson's current approved rate case?

Yes

2023

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.)?

Yes

Reduces Cyber and EOL Risks

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 same prioritization question responses.

↑
VERY
HIGH

↑
MEDIUM

↑
VERY
LOW

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,100,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	250,000		50,000	50,000	50,000	50,000	50,000	
	Stock Materials	0							
	A/P Non-Stock Material	510,000		94,000	99,000	102,000	105,000	110,000	
	A/P Contractors & Other	250,000		50,000	50,000	50,000	50,000	50,000	
	Overheads & Other	54,000		10,000	10,000	11,000	12,000	11,000	
	AFUDC*	36,000		3,000	8,000	8,000	6,000	11,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,100,000	0	207,000	217,000	221,000	223,000	232,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Estimated cost based on previous upgrades

← Formulas give standard ranges
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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 1/1/2024 **In-Service:** 12/30/2026

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: Maintain System Standards
 Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Productivity

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.

Mobile Workforce Management support will be downgraded to Sustaining support in March 2025.

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

See BCA tab of Cost Estimate - Benefit Cost Analysis Template document.

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

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: No

Social Component: No

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.

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? No

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

End of life technology

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

The impact of delaying an MWM upgrade would open up the company to potential cyber security threats given that support from Oracle will be diminished after March of 2025. See attached email to IT

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

By not replacing MWM support, it will be downgraded to sustaining support. The risk with that is how many other companies will stay on sustaining support. If there are many, support will be limited if an issue arises. If there are only a few vendors left on MWM, Oracle may have very little resources to assist Central Hudson if an issue does arise.

Is this Project in Central Hudson's current approved rate case? Yes

2023

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

Upgraded system with new functionality

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.)? Yes

Cyber and EOL Risks reductions

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 same prioritization question responses.

↑
VERY
HIGH

↑
MEDIUM

↑
VERY
LOW

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$3,907,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	1,052,000		852,000	200,000				
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	2,541,000		2,268,000	273,000				
	Overheads & Other	248,000		200,000	48,000				
	AFUDC*	66,000		46,000	20,000				
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		3,907,000	0	3,366,000	541,000	0	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

We are doing an assesment to bettter understand the scope and cost in 2023

← Formulas give standard ranges per estimate level, but may be overwritten if desired.

Basis for estimate: FOS-Generated Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4220

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: PowerPlan Upgrades and Enhancements

Work Order #: -

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 6/1/2025

In-Service: 8/30/2027

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:

Upgrade and Enhancements to PowerPlan system in order to have a version the vendor supports. This will also include any enhancements the business see fit for requests from PowerPlan users.

Describe specific scope exclusions, assumptions and constraints:

N/A

B. ALTERNATIVES

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

Not upgrading and losing application support.

Why was the proposed project scope chosen over other alternatives?

PowerPlan is a critical Application and NEEDS to be working properly.

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements
 Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 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? No

Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments.
 After a certain point in time our version will not be supported by PowerPlan

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

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document: [CLICK HERE](#)

Which **Strategic Theme** does project most align with? Operational Excellence
 Which **Strategic Objective** does project most align with? Improve system performance and resilience
 Which **Strategic Initiative** does project most align with? Business & Operations Modernization/Transformation
 Which **Team Goal** does project most align with? DOES NOT ALIGN WITH ANY TEAM GOAL
 Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No
 Social Component: No
 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.

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?

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

To keep the critical application up to date and working.

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

The critical application will no longer be supported and will now be an unsupported application.

Is this Project in Central Hudson's current approved rate case?

No

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.)?

Yes

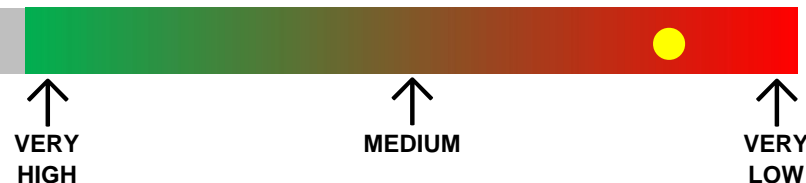
Reduces Cyber and EOL Risks

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$3,119,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	244,000		40,000	101,000	103,000			
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	2,657,000		257,000	1,830,000	570,000			
	Overheads & Other	110,000		10,000	50,000	50,000			
	AFUDC*	108,000		4,000	76,000	28,000			
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		3,119,000	0	311,000	2,057,000	751,000	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Historic cost, but not sure of all the requirements for the upgrade

← Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: **2025**

Business Sponsor: Doug Ondreyko

Budget Category: **4220**

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Onbase Upgrades and Enhancements

Work Order #:

Funding Project Description: Cat 4220 - Application Services

Funding Project Number: 10185

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2026

In-Service: 12/20/2029

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:

Upgrading OnBase will allow us to stay on updated, relevant software and prevent us from paying additional maintenance costs (\$8300 extended support fee per year) associated with staying on an older version.

Describe specific scope exclusions, assumptions and constraints:

Resource constraint of Accounting team's availability to help test the upgrades

B. ALTERNATIVES

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

None - OnBase will not be replaced before ERP, so to avoid additional maintenance and support costs and to resolve OnBase/DocuSign integration challenges experienced by Contracts, our only option is to upgrade our existing version of OnBase.

Why was the proposed project scope chosen over other alternatives?

N/A

C. JUSTIFICATION

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

Needs Assessment: Productivity

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 main goal of this project is to maintain up to date software and avoid paying additional maintenance costs for support of an older software (\$8300 extended support fee per year). We also believe this newer version will help with issues the Contracts department has faced with OnBase/DocuSign integration.

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

Avoid \$8,600 per year of extended support

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

[CLICK HERE](#)

Which **Strategic Theme** does project most align with?

Operational Excellence

Which **Strategic Objective** does project most align with?

Improve system performance and resilience

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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:** No

Social Component: No

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.

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? No

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

This project was in progress but was put on hold due to vendor constraints - Contract obligations

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

Changes need to be made before our next annual maintenance and support agreement to avoid extended fees, which is why this project should be done this year.

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

If we do not complete this upgrade, we will pay additional support & maintenance costs (\$8300 extended support fee per year) to Keymark for having a dated version of OnBase.

Is this Project in Central Hudson's current approved rate case? No

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.)? Yes

Reduces Cyber and EOL Risks

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 same prioritization question responses.*

↑
VERY
HIGH

↑
MEDIUM

↑
VERY
LOW

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,120,000									
ADDITIONS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	200,000			100,000			100,000	
	Stock Materials	0							
	A/P Non-Stock Material	0			0			0	
	A/P Contractors & Other	772,000			371,000			401,000	
	Overheads & Other	100,000			50,000			50,000	
	AFUDC*	48,000			20,000			28,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,120,000	0	0	541,000	0	0	579,000	0
REMOVALS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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 as a SPECIFIC PROJECT

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.

Cost Estimate Range: Minimum (\$): 896,000 Maximum (\$): 1,344,000

No explanation on confidence level required.

← *Formulas give standard ranges per estimate level, but may be overwritten if desired.*

Basis for estimate: Contractor/Vendor Bids For Certain Work

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: **2025**

Business Sponsor: Doug Ondreyko

Budget Category: **4220**

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Redwood License Renewals

Work Order #:

Funding Project Description: Cat 4220 - Application Services

Funding Project Number: 10185

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2025

In-Service: 12/20/2029

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:

This request is for Redwood RunMyJobs SaaS contract renewal which is expiring on 11/15/2023. Redwood RunMyJobs SaaS solution help facilitate automation, monitoring, scheduling and maintenance of SAP batch jobs.

Describe specific scope exclusions, assumptions and constraints:

This request is for Redwood RunMyJobs SaaS contract renewal which is expiring on 11/15/2023. Redwood RunMyJobs SaaS solution help facilitate automation, monitoring, scheduling and maintenance of SAP batch jobs.

B. ALTERNATIVES

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

Other options is to use SAP solution Manager as centralized batch management tool but it would require expertise skills to get implemented and provide less automation and flexibilities as compare to Redwood SaaS solution.

Why was the proposed project scope chosen over other alternatives?

Solution Manager batch management setup would need specific set of skills and less cross system support and less automation provided by SAP Solution Manager.

C. JUSTIFICATION

Load Based/Infrastructure:

Other

Growth/Sustaining/Retirement:

Growth Sustaining

Discretion Level:

Non-Discretionary

Investment Type:

Daily Operations

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.

Redwood RunMyJobs SaaS solution help facilitate automation, monitoring, scheduling and maintenance of SAP batch jobs. It helps us to accommodate complex job scheduling scenario where multiple job dependencies are involved. It is responsible for running, scheduling, and maintaining SAP batch jobs in a timely and planned manner. This helps us to ensure the accuracy and reliability of SAP-generated reports. This

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

Redwood RunMyJobs SaaS solution help us to reduce monitoring efforts required for SAP batch operations and help us reduce manual mistakes with automation.

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

[CLICK HERE](#)

Which Strategic Theme does project most align with?

Operational Excellence

Which Strategic Objective does project most align with?

Improve productivity and efficiency

Which Strategic Initiative does project most align with?

Business & Operations Modernization/Transformation

Which Team Goal does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

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: No

Social Component: No

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.

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?

No

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

This project was in progress but was put on hold due to vendor constraints - Contract obligations

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

Existing contract with Redwood is going to expire on 11/2026 and 11/2029. We need to renew it at earliest to avoid unlicensed usages of their services.

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

All of SAP's batch operations are currently managed by Redwood RunMyJobs. Continue using the application without a renewed signed contract is not recommended.

Is this Project in Central Hudson's current approved rate case?

No

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

Redwood provides automation for SAP batch schedules, which helps us lower costs with reduced monitoring and manual setup.

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

Nightly batch schedule setup in Redwood helps SAP generate billing and other customer-related data in a timely manner.

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

Yes

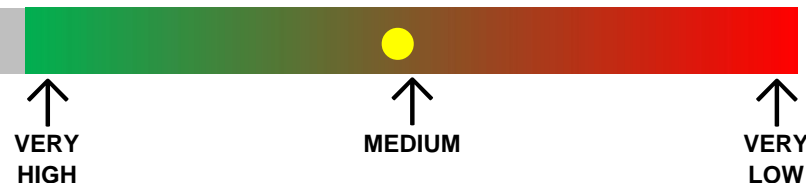
Redwood automation and monitoring capabilities help us reduce SAP job failure risk compared to manual monitoring and setup

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 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.					
\$1,403,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	1,343,000							
	A/P Contractors & Other	0			626,000			717,000	
	Overheads	0							
	AFUDC*	60,000			24,000			36,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,403,000	0	0	650,000	0	0	753,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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 as a SPECIFIC PROJECT

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.

Cost Estimate Range: Minimum (\$): 1,122,400 Maximum (\$): 1,683,600

No explanation on confidence level required.

← *Formulas give standard ranges per estimate level, but may be overwritten if desired.*

Basis for estimate: Contractor/Vendor Bids For Certain Work

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4220

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: SAP Major System Upgrades & Enhancements

Work Order #: -

Funding Project Description: CIS Modernization

Funding Project Number: 4-4220-27-18

Is this a Specific Project, Program or Blanket? Blanket

Target Schedule - Start: 1/1/2024

In-Service: 12/1/2029

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:

Upgrade SAP S/4 1909 to 2209

Describe specific scope exclusions, assumptions and constraints:

N/A

B. ALTERNATIVES

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

No alternatives

Why was the proposed project scope chosen over other alternatives?

N/A

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: Maintain System Standards
 Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Resilience

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 S/4 1909 system will be out of support in 2025, prompting the need to upgrade in 2024 to the latest version, 2209

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

Could potentially avoid customizations if the base product includes additional features that the company would like to implement.

For the following strategic alignment questions, 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?

DOES NOT ALIGN WITH ANY STRATEGIC OBJECTIVE

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44) : Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.

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?

Need to keep up to date with technology and functionality, reducing risks.

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

In order to continue to receive support from SAP, the product must be upgraded.

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

We will be out of support and no longer have SAP available to assist.

Is this Project in Central Hudson's current approved rate case?

Yes

2023

Is this Project tied to a regulatory requirement?

Yes

need to stabilize SAP

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?

Yes

efficiency savings

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

continuously improving for Customer experience

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

Yes

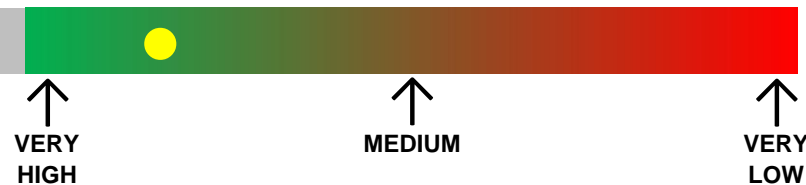
Cyber and EOL Risks reductions

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$4,778,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	1,314,000		501,000	200,000	203,000	205,000	205,000	
	Stock Materials	700,000		300,000	100,000	100,000	100,000	100,000	
	A/P Non-Stock Material	0							
	A/P Contractors & Other	2,323,000		733,000	380,000	391,000	403,000	416,000	
	Overheads & Other	300,000		100,000	50,000	50,000	50,000	50,000	
	AFUDC*	141,000		23,000	28,000	29,000	22,000	39,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		4,778,000	0	1,657,000	758,000	773,000	780,000	810,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:
 unknown requirements on upgrades

← Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4220

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: SAP S4 Hana System Licenses

Work Order #: -

Funding Project Description: CIS Modernization

Funding Project Number: 4-4220-27-18

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 8/1/2025

In-Service: 12/31/2025

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:

Renewal of SAP S/4 licenses.

Describe specific scope exclusions, assumptions and constraints:

None.

B. ALTERNATIVES

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

No alternatives.

Why was the proposed project scope chosen over other alternatives?

N/A

C. JUSTIFICATION

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

Needs Assessment: Resilience

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 S/4 license end date in 2025 and we will need to renew the licenses in order to stay in compliance.

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

Limit out of compliance fees by keeping licenses up to date.

For the following strategic alignment questions, 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? DOES NOT ALIGN WITH ANY STRATEGIC OBJECTIVE
 Which **Strategic Initiative** does project most align with? Business & Operations Modernization/Transformation
 Which **Team Goal** does project most align with? DOES NOT ALIGN WITH ANY TEAM GOAL
 Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44) : Sustainability, Reliability & Rationalization

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: No
 Social Component: No
 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.

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? No

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

Need to keep licensing up to date to keep SAP functionality

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

In order to continue to receive support from SAP, the licenses must be renewed

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

We will be out of support and could be charged fees or being out of compliance

Is this Project in Central Hudson's current approved rate case? No

Is this Project tied to a regulatory requirement? Yes

SAP

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? Yes

bundled licensing saves costs

Does this Project enhance Central Hudson's customer experience or service delivery? Yes

SAP Related

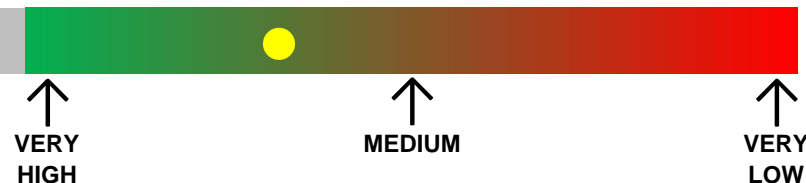
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

Reduces Cyber and EOL Risks

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 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.					
\$8,710,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	8,580,000							
	A/P Contractors & Other	0		8,580,000					
	Overheads	0							
	AFUDC*	130,000		130,000					
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		8,710,000	0	8,710,000	0	0	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL REMOVALS:		0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Reviewed last renewal and increased 10%

← Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: February 20, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4220

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Security Capability Enhancement Project 1

Work Order #:

				-	
--	--	--	--	---	--

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Program

Target Schedule - Start: 2/1/2026

In-Service: 12/1/2028

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:

Establishment of a CH security operations center including physical location assessment, security requirements, video/software/staffing

Describe specific scope exclusions, assumptions and constraints:

Establishment of a CH security operations center including physical location assessment, security requirements, video/software/staffing

B. ALTERNATIVES

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

None

Why was the proposed project scope chosen over other alternatives?

We need to enhance our cybersecurity capabilities to protect our customers and our company

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Strategic Goal

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.

We need to enhance our cybersecurity capabilities to protect our customers and our company.

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

increase cyber security and reduction of risk of cyber attacks

For the following strategic alignment questions, 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 safety and security culture

Which **Strategic Initiative** does project most align with?

Beneficial Electrification

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Cyber & Information Security

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: No

Social Component: No

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.

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? No

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

Cyber is an increasing issue and we need to keep our customers and our company safe from cyber attacks

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

Cyber is an increasing issue and we need to keep our customers and our company safe from cyber attacks

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

Increased risk of cyber attacks

Is this Project in Central Hudson's current approved rate case?

No

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

Reduces potential cyber risks

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

Reduces potential cyber risks

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

Yes

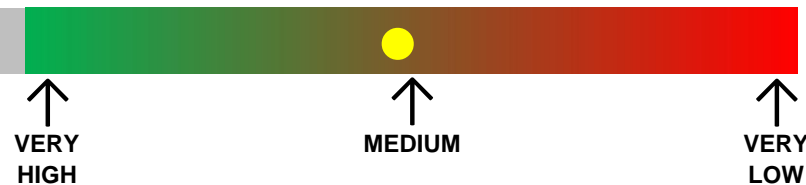
Reduces potential cyber risks

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$2,205,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	458,000			150,000	153,000	155,000		
	Stock Materials	0							
	A/P Non-Stock Material	692,000			196,000	240,000	256,000		
	A/P Contractors & Other	755,000			100,000	329,000	326,000		
	Overheads & Other	225,000			75,000	75,000	75,000		
	AFUDC*	75,000			20,000	31,000	24,000		
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		2,205,000	0	0	541,000	828,000	836,000	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges 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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 1/1/2025 **In-Service:** 12/1/2028

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Strategic Goal

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.

We need to enhance our cybersecurity capabilities to protect our customers and our company.

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

increase cyber security and reduction of risk of cyber attacks

For the following strategic alignment questions, 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 safety and security culture

Which **Strategic Initiative** does project most align with?

Beneficial Electrification

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Cyber & Information Security

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: No

Social Component: No

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.

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? No

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

Cyber is an increasing issue and we need to keep our customers and our company safe from cyber attacks

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

Cyber is an increasing issue and we need to keep our customers and our company safe from cyber attacks

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

Increased risk of cyber attacks

Is this Project in Central Hudson's current approved rate case?

No

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

Reduces potential cyber risks

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

Reduces potential cyber risks

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

Yes

Reduces potential cyber risks

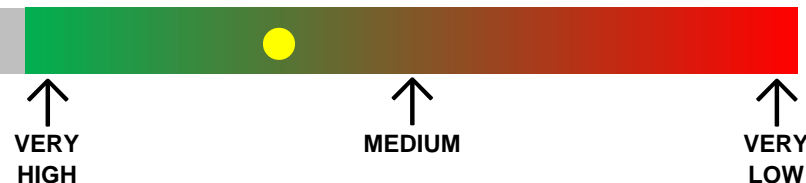
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

Yes

Reduces potential cyber risks

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,567,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	443,000		100,000	100,000	101,000	142,000		
	Stock Materials	0							
	A/P Non-Stock Material	427,000		133,000	142,000	152,000	0		
	A/P Contractors & Other	350,000		100,000	100,000	150,000	0		
	Overheads & Other	300,000		75,000	75,000	75,000	75,000		
	AFUDC*	47,000		6,000	16,000	19,000	6,000		
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,567,000	0	414,000	433,000	497,000	223,000	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4220

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: ServiceNow Phase V - GRC Tool - Policy & Compliance Mgmt - Vendor Manage Work Order #:

				-	
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Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2024

In-Service: 12/1/2029

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:

Review of GRC processes, documentation and requirements to assess migration to SNOW

Describe specific scope exclusions, assumptions and constraints:

Review of GRC processes, documentation and requirements to assess migration to SNOW

B. ALTERNATIVES

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

do nothing

Why was the proposed project scope chosen over other alternatives?

We want to use Service Now as our main tool for GRC

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Productivity

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.

To ensure ServiceNow has the most recent security patches and supported software versions.

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

TBD

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.

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? No

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

This is emergent and will be prioritized against all projects within the portfolio

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

Efficiencies

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

Continue working in multiple systems ineffeciently

Is this Project in Central Hudson's current approved rate case?

No

Is this Project tied to a regulatory requirement?

Yes

Polilcy and compliance regulations

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?

Yes

inproved processs and effeciancies

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.)?

Yes

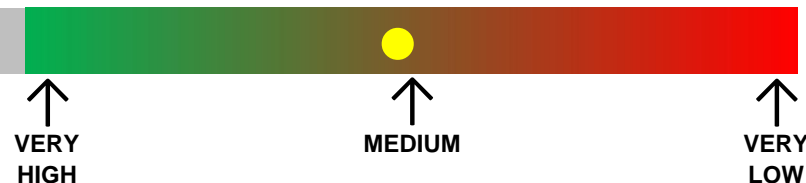
reduction of Cyber Risks

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,293,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	684,000		100,000	189,000		195,000	200,000	
	Stock Materials	0							
	A/P Non-Stock Material	412,000		412,000	0		0	0	
	A/P Contractors & Other	50,000		50,000	0		0	0	
	Overheads & Other	113,000		50,000	20,000		22,000	21,000	
	AFUDC*	34,000		9,000	8,000		6,000	11,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,293,000	0	621,000	217,000	0	223,000	232,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges
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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: **2025**

Business Sponsor: Doug Ondreyko

Budget Category: **4220**

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: ServiceNow Upgrades & Enhancements

Work Order #:

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Program

Target Schedule - Start: 1/1/2024

In-Service: 12/1/2028

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:

Ongoing product enhancement, patching, workflow and catalog item improvements. Enables the management of technology leveraged by workforce to support customer needs.

Describe specific scope exclusions, assumptions and constraints:

Work dependent on hiring of ServiceNow Admin.

B. ALTERNATIVES

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

Annual version upgrades are required to stay in support with the vendor.

Why was the proposed project scope chosen over other alternatives?

ServiceNow is part of the Technology parties long term strategy to modernize.

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Productivity

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.

To ensure ServiceNow has the most recent security patches and supported software versions.

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

TBD

For the following strategic alignment questions, 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

Which Strategic Initiative does project most align with?

Business & Operations Modernization/Transformation

Which Team Goal does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44) : Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.

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? No

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

We are limiting emergent buckets.

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

Each year there a two version updates required for Central Hudson to make.

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

Possibility of losing support rights by not updating to current versions of ServiceNow.

Is this Project in Central Hudson's current approved rate case? No

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

Effeciencies with new functionality

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

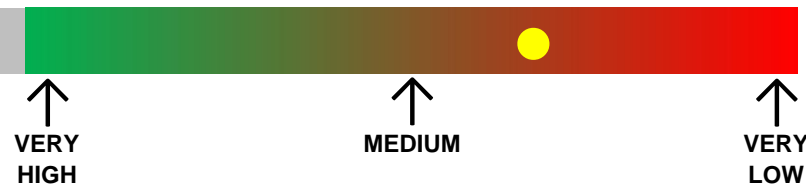
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

Reduction in Cyber and EOL risks

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,293,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	400,000		100,000	100,000		100,000	100,000	
	Stock Materials	0							
	A/P Non-Stock Material	627,000		467,000	48,000		56,000	56,000	
	A/P Contractors & Other	172,000		32,000	51,000		44,000	45,000	
	Inflation	59,000		13,000	9,000		17,000	20,000	
	AFUDC*	35,000		9,000	9,000		6,000	11,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,293,000	0	621,000	217,000	0	223,000	232,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges 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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

In-Service: 12/1/2029

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Quality

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.

To ensure all major deployments to through the proper testing steps, trying back to requirements.

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

Improved testing and quality of code being deployed inproduction.

For the following strategic alignment questions, 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?

Leverage information and operating technologies

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.

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?

This was a major lessons learned from our previous major deployment and management audit finding.

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

We need to improve out testing capabilities

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

No improvements with our testing our quality of code deployments

Is this Project in Central Hudson's current approved rate case? No

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? Yes

Indirectly, ability to provide more thorough and timely testing on customer facing SAP solutions and fixes.

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

Risk associated with internal business resources and the delays encountered when business unavailability for testing

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 same prioritization question responses.

↑
VERY
HIGH

↑
MEDIUM

↑
VERY
LOW

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$2,747,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	759,000		150,000	150,000	152,000	154,000	153,000	
	Stock Materials	0							
	A/P Non-Stock Material	1,021,000		186,000	196,000	204,000	212,000	223,000	
	A/P Contractors & Other	500,000		100,000	100,000	100,000	100,000	100,000	
	Overheads & Other	375,000		75,000	75,000	75,000	75,000	75,000	
	AFUDC*	92,000		7,000	20,000	21,000	16,000	28,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		2,747,000	0	518,000	541,000	552,000	557,000	579,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges 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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

In-Service: 12/1/2029

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements
 Growth/Sustaining/Retirement: Growth Sustaining
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Productivity
 If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? No

Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments.
 Being driven by ESRI sunsetting the ArcGIS ArcFM model.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.)
 Additional enhanced detail to facility mapping and model data available to the field crews and back office personnel.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document: [CLICK HERE](#)

Which **Strategic Theme** does project most align with? Operational Excellence
 Which **Strategic Objective** does project most align with? Improve productivity and efficiency
 Which **Strategic Initiative** does project most align with? Business & Operations Modernization/Transformation
 Which **Team Goal** does project most align with? DOES NOT ALIGN WITH ANY TEAM GOAL
 Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates? No

* 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

* 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? *No*

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

Called out as a specific project, to be prioritized.

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

Sunset date is February of 2026...<https://support.esri.com/en-us/products/arcmap/life-cycle>.

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

Reduced or non availability for technical support for the company's ESRI GIS system.

Is this Project in Central Hudson's current approved rate case?

Yes

2023

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.)?

Yes

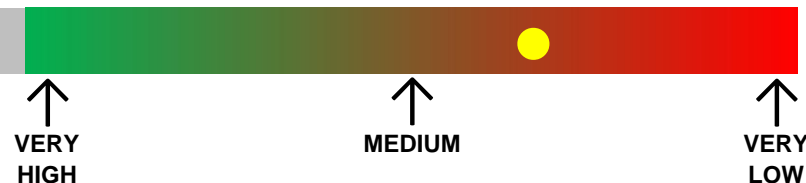
Reduces Cyber and EOL Risks

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 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.					
\$1,649,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	1,593,000							
	A/P Contractors & Other	0		511,000		531,000		551,000	
	Overheads	0							
	AFUDC*	56,000		7,000		21,000		28,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,649,000	0	518,000	0	552,000	0	579,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL REMOVALS:		0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

historic cast with adjustments, but not sure the scope of the upgrades at this point

← Formulas give standard ranges 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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

In-Service: 12/1/2029

C. JUSTIFICATION

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

Growth/Sustaining/Retirement: Growth Sustaining
Investment Type: Daily Operations
Is there an Innovation Component? No

Needs Assessment: Resilience

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.

Gas planning and compliance system that relies on ARC Gis. Mission critical for safety and compliance in Gas business. Existing software version not compatible with future state GIS version, need for upgrade in tandem.

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

Avoidance of 14 basis point NRA

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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:** No

Social Component: No

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.

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?

Why do we need to complete this project in the period requested?
 Software will no longer be supported which will impact productivity

What are the risks and consequences of not completing this project?
 Not upgrading the Gas Transmission Integrity Software may result in decreased system performance, increased vulnerability to security threats, and limited access to critical software updates and support, potentially leading to operational inefficiencies, regulatory non-compliance, and higher risks of pipeline integrity issues. Furthermore, relying on alternative software solutions could involve higher implementation costs, longer learning curves for

Is this Project in Central Hudson's current approved rate case? No
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
 By upgrading to 10.8.1 prior to the ArcGIS Pro upgrade we can potentially save resource time by not having to make a major jump from 10.6 to ArcGIS
Does this Project enhance Central Hudson's customer experience or service delivery? Yes
 Will be able to bring integrated systems up to the latest version to help with ArcGIS Gas
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes
 Will be on vendor supported version
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? No



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.					
\$1,120,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	400,000			200,000			200,000	
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	672,000			321,000			351,000	
	Overheads	0							
	AFUDC*	48,000			20,000			28,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,120,000	0	0	541,000	0	0	579,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0

* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges 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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

In-Service: 12/1/2028

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Growth 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? No

Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments.

This implementation will result in More accurate estimates for customer distribution work

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

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

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: No

Social Component: No

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.

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? No

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

Business priority.

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

Improve ineffecient processes and ncrease customer satisfaction.

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

Continuation of inefficient processes.

Is this Project in Central Hudson's current approved rate case?

Yes

2023

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.)?

Yes

Reduces Cyber and EOL Risks

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 same prioritization question responses.

↑
VERY
HIGH

↑
MEDIUM

↑
VERY
LOW

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,075,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	521,000		243,000			278,000		
	Stock Materials	0							
	A/P Non-Stock Material	301,000		153,000			148,000		
	A/P Contractors & Other	200,000		100,000			100,000		
	Overheads & Other	30,000		15,000			15,000		
	AFUDC*	23,000		7,000			16,000		
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,075,000	0	518,000	0	0	557,000	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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.

Cost Estimate Range: Minimum (\$): 860,000 Maximum (\$): 1,290,000

No explanation on confidence level required.

← *Formulas give standard ranges 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?

No

E. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 1/1/2027 **In-Service:** 12/1/2028

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Growth Sustaining
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Productivity

If need is Safety, Regulatory or Compliance have we considered options, validated the need and challenged the value? No

Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments.

Will be a potential requirement for the future expansion of grid modernization to the company's underground network system.

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

Additional enhanced detail to facility mapping and model data available to the field crews and back office personnel.

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

[CLICK HERE](#)

Which **Strategic Theme** does project most align with?

Operational Excellence

Which **Strategic Objective** does project most align with?

Improve productivity and efficiency

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

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

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: No

Social Component: No

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.

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?

No

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

Business priority

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

In order to meet future grid modernization goals for the underground network systems this period was chosen.

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

Potential inability to model smart grid equipment and support company's initiatives for grid modernization

Is this Project in Central Hudson's current approved rate case?

Yes

2023

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.)?

Yes

Reduces Cyber and EOL Risks

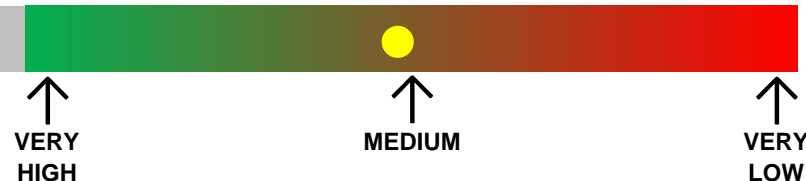
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

Yes

Underground network

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,109,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	206,000				102,000	104,000		
	Stock Materials	0							
	A/P Non-Stock Material	626,000				309,000	317,000		
	A/P Contractors & Other	200,000				100,000	100,000		
	Overheads & Other	40,000				20,000	20,000		
	AFUDC*	37,000				21,000	16,000		
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,109,000	0	0	0	552,000	557,000	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

need to do better requirements gathering to be able to do a bottoms up estimate

← Formulas give standard ranges per estimate level, but may be overwritten if desired.

Basis for estimate: FOS-Generated Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4220

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: ArcGIS Pro Upgrade & Enhancements

Work Order #: -

Funding Project Description: IT - Engineering Initiatives

Funding Project Number: 4-4220-35-18

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2024

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:

Migrate to ESRI's new data model, ArcGIS Pro. This will include 3 phases, Gas, Electric, and Fiber. Central Hudson will require a third party vendor to assist in migrating the data from ArcGIS Desktop to the new data model. Setting up new servers and databases will be done by Central Hudson IT.

Describe specific scope exclusions, assumptions and constraints:

Constraint: Applications currently integrated with ArcGIS Desktop may not be compatible with the ArcGIS Pro.

B. ALTERNATIVES

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

Stay on existing version with limited ability to support or resolve issues with GIS and integrated applications.

Why was the proposed project scope chosen over other alternatives?

ArcGIS is a foundational application we use. To not move to a supported new version of it we mean we have to change our strategy and a new application.

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Productivity

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.

ArcGIS desktop has reached the end of support and will require Central Hudson to migrate to AcrGIS Pro. If we do stay on the current version it could not only be a risk for the support of ArcGIS but other applications that integrate may stop supporting ArcGIS Desktop.

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

N/A

For the following strategic alignment questions, 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?

Leverage information and operating technologies

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

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? 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: No

Social Component: No

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.

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? No

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

newly identified project, Core application needed to ensure the modernization of out distribution grid, gas safety/compliance, gas transformation in alignment with NYS regulatory updates.

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

ESRI will stop supporting ArcGIS Desktop in March of 2026.

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

If an issue arises and support ends, Central Hudson will no longer be able to have questions answered by ESRI, vulnerabilities may be left unpatched, incompatibilities may occur, and new functionality will not be added.

Is this Project in Central Hudson's current approved rate case? Yes

2023

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.)? No

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 same prioritization question responses.

↑
VERY
HIGH

↑
MEDIUM

↑
VERY
LOW

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$3,546,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	475,000		201,000	200,000	74,000			
	Stock Materials	0							
	A/P Non-Stock Material	2,393,000		1,489,000	904,000				
	A/P Contractors & Other	467,000		150,000	150,000	167,000			
	Overheads & Other	125,000		50,000	50,000	25,000			
	AFUDC*	86,000		26,000	50,000	10,000			
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		3,546,000	0	1,916,000	1,354,000	276,000	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Havent gathered all requirements/scope to be able to have higher confidence

← Formulas give standard ranges per estimate level, but may be overwritten if desired.

Basis for estimate: FOS-Generated Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

In-Service: 12/1/2026

C. JUSTIFICATION

Load Based/Infrastructure: Other
Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
Investment Type: Daily Operations
Is there an Innovation Component? No

Needs Assessment: Productivity

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.
Implementing warehouse barcoding will eliminate the manual counting for stock movements. This will minimize human error and provide accurate data in real-time to improve efficiency.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.)
See BCA tab in Cost Estimate & Benefits - Cost Analysis Template

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document: [CLICK HERE](#)

Which <u>Strategic Theme</u> does project most align with?	Business Modernization
Which <u>Strategic Objective</u> does project most align with?	Improve productivity and efficiency
Which <u>Strategic Initiative</u> does project most align with?	Business & Operations Modernization/Transformation
Which <u>Team Goal</u> does project most align with?	DOES NOT ALIGN WITH ANY TEAM GOAL

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: No

Social Component: No

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.

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? No

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

Will be in 2024 Rate Case.

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

There will be an immediate cost savings by implementing this solution sooner than later.

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

Completing the labeling and barcoding project prior to the EWAM implementation allows Supply Chain to become proficient with the barcoding functionality from a change management perspective and should result in realizing efficiency and productivity savings sufficient to justify the project. Additionally, it mitigates some of the risk associated with implementing barcoding as part of the EWAM project.

Is this Project in Central Hudson's current approved rate case? Yes

2023

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

Reduction in loss of tools

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

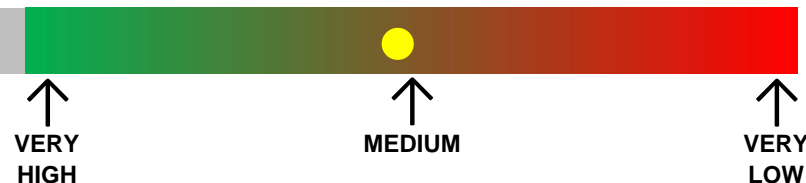
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

Reduction of Theft

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 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.					
\$1,299,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0			0				
	Labor (Monthly Payroll)	500,000			500,000				
	Stock Materials	200,000			200,000				
	A/P Non-Stock Material	501,000							
	A/P Contractors & Other	0			501,000				
	Inflation	50,000			50,000				
	AFUDC*	48,000			48,000				
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,299,000	0	0	1,299,000	0	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Preliminary cost for a project scheduled for 3 years from now

← Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4220

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Workday Upgrades and Enhancements

Work Order #: -

Funding Project Description: Cat 4220 - ERP

Funding Project Number: 10184

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2026

In-Service: 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:

Upgrade and Enhance Workday to keep the functionality and version as current as possible.

Describe specific scope exclusions, assumptions and constraints:

Ongoing upgrades and enhancements to keep Workday up to date.

B. ALTERNATIVES

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

Do nothing, Workday platform remains I static current state and does not evolve as business needs change.

Why was the proposed project scope chosen over other alternatives?

We don't want to risk inefficiencies or cyber risks.

C. JUSTIFICATION

Load Based/Infrastructure: Other
Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Growth Sustaining
Investment Type: Daily Operations
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.

Keeping Workday up to date will assist with hiring and retaining employees and reducing turnover costs. Upgrading technology will also reduce cyber risks associated with aged technology.

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

Keeping Workday up to date will assist with hiring and retaining employees and reducing turnover costs. Upgrading technology will also reduce cyber risks associated with aged technology.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document: [CLICK HERE](#)

Which <u>Strategic Theme</u> does project most align with?	Business Modernization
Which <u>Strategic Objective</u> does project most align with?	Improve productivity and efficiency
Which <u>Strategic Initiative</u> does project most align with?	Business & Operations Modernization/Transformation
Which <u>Team Goal</u> does project most align with?	DOES NOT ALIGN WITH ANY TEAM GOAL
Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44):	Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.*

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?

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

To keep the workday platform up to date with vulnerabilities and functionality.

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

Workday platform remains in static current state and does not evolve as business needs change. We don't want to risk inefficiencies or cyber risks.

Is this Project in Central Hudson's current approved rate case?

Yes

2023

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

Enhancements will improve processes (Effeciencies)

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.)?

Yes

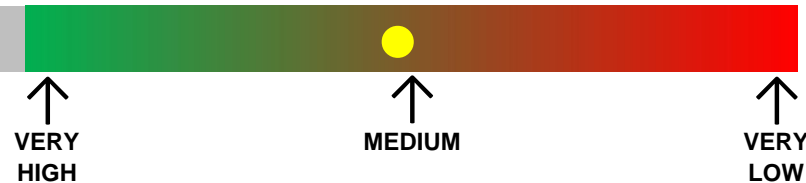
Reduces Cyber and EOL Risks

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 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.					
\$1,066,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	294,000			130,000			164,000	
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	726,000			339,000			387,000	
	Overheads	0							
	AFUDC*	46,000			18,000			28,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,066,000	0	0	487,000	0	0	579,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0

* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Not sure of future upgrade scope, but know there will ne to be updates to the Workday platform.

← Formulas give standard ranges
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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 1/1/2023 **In-Service:** 12/1/2029

C. JUSTIFICATION

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

Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Growth
 Is there an Innovation Component? No

Needs Assessment: Productivity

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.

Yearly planned purchase and rollout of IT assets to improve performance, meet operational objectives, to ensure vendor support and minimize cyber security risk of older HW/SW.

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

N/A

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

[CLICK HERE](#)

Which **Strategic Theme** does project most align with?

Operational Excellence

Which **Strategic Objective** does project most align with?

Improve safety and security culture

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Cyber & Information Security

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: No

Social Component: No

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.

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?

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

We have an obligation to provide tools for users to perform their jobs whether onsite, at home or in the field. We are becoming more reliant on electronic processes versus legacy paper, etc.

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

By not updating our HW, which comes with SW, we risk security gaps, lack of vendor support and poor cyber scores from a Fortis corporate perspective.

Is this Project in Central Hudson's current approved rate case? Yes

2023

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? Yes

Enabling our workforce with the right equipment to do their job

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

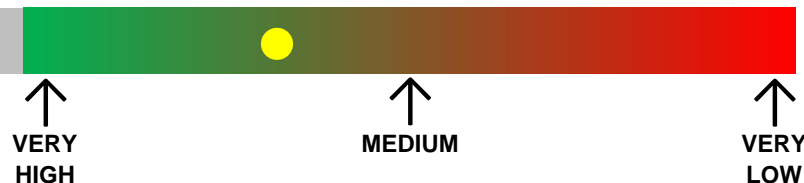
Reduces Cyber and EOL risks

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes

Enabling our workforce with the right equipment to do their job

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$5,997,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	153,000		30,000	30,000	31,000	31,000	31,000	
	Stock Materials	5,684,000		1,038,000	1,074,000	1,123,000	1,172,000	1,277,000	
	A/P Non-Stock Material	0							
	A/P Contractors & Other	0							
	Overheads & Other	78,000		18,000	15,000	15,000	15,000	15,000	
	AFUDC*	82,000		18,000	12,000	22,000	10,000	20,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		5,997,000	0	1,104,000	1,131,000	1,191,000	1,228,000	1,343,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

estimates were estimates based off of historic pricing with some adjustments

← Formulas give standard ranges 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?

No

E. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4222

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Infrastructure HW Lifecycle

Work Order #:

				-	
--	--	--	--	---	--

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Blanket

Target Schedule - Start: 1/1/2024

In-Service: 12/1/2029

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:

Continuously upgrade aged HW.

Describe specific scope exclusions, assumptions and constraints:

None.

B. ALTERNATIVES

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

Extend usage of existing hardware after vendor support expires.

Why was the proposed project scope chosen over other alternatives?

Risk reduction.

C. JUSTIFICATION

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

Growth/Sustaining/Retirement: Growth 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.

Need to keep our infrastructure current to limit risks.

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

Risk reduction.

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.

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?

Why do we need to complete this project in the period requested?
To keep technology up to date and reduce risk.

What are the risks and consequences of not completing this project?
Limited vendor support and/or non compliance for deployed hardware. Potential service disruptions.

Is this Project in Central Hudson's current approved rate case?	Yes	2023
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.)? <i>reduces Cyber and EOL risks</i>	Yes	
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?	No	



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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$5,934,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	283,000		50,000	50,000	61,000	61,000	61,000	
	Stock Materials	0							
	A/P Non-Stock Material	4,749,000		875,000	900,000	946,000	974,000	1,054,000	
	A/P Contractors & Other	641,000		66,000	115,000	122,000	170,000	168,000	
	Overheads & Other	180,000		30,000	30,000	40,000	40,000	40,000	
	AFUDC*	81,000		17,000	12,000	22,000	10,000	20,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		5,934,000	0	1,038,000	1,107,000	1,191,000	1,255,000	1,343,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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.

Cost Estimate Range: Minimum (\$): 4,747,200 Maximum (\$): 7,120,800

No explanation on confidence level required.

← *Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: **2025**

Business Sponsor: Doug Ondreyko

Budget Category: **4222**

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Luminex Vitual Tape Library Devices Upgrades

Work Order #:

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Program

Target Schedule - Start: 1/1/2026

In-Service: 12/1/2029

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:

The Luminex VTL (virtual tape library) in Poughkeepsie backs up all mainframe data, databases, and programs from our IBM disk storage. This data is replicated at Sungard in Philadelphia in case of emergency. This project will replace current Poughkeepsie units and also enhance the security of those units, as well as the Sungard VTL (Luminex) to add encryption, which we have not had to this point.

Describe specific scope exclusions, assumptions and constraints:

The lion's share of work is performed by Luminex engineers, with CH staff having a minimal role in the transition.

B. ALTERNATIVES

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

Luminex is our established VTL solution and has served us extremely well. We did not want to consider other hardware platforms due to our experience, comfort level and reliability of the product. It also would be risky, given current Administration expertise within CH is retiring by Q1 2024.

Why was the proposed project scope chosen over other alternatives?

We examined the models which could support our storage needs and found the best fit. We also added encryption for additional security. We had not utilized this additional feature in the past. If we chose another vendor, the Sungard unit would also have to be swapped out, which adds an additional cost (perhaps \$100k or more). We still have some useful life of our Sungard Philadelphia VTL Luminex unit.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure

Growth/Sustaining/Retirement: Not Applicable

Discretion Level: Maintain System Standards

Investment Type: Infrastructure

Is there an Innovation Component? No

Needs Assessment: Productivity

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 Luminex units utilize servers from common brands such as HP. When HP discontinues their support for various internals/boards, then Luminex also must discontinue support as well. EOL for our current model is March 31, 2024. We'd like to migrate these units in advance of the end of life date.

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

There is a reasonable savings of \$40k/year in expense which will be saved. Over five years, this is \$200k in savings.

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

[CLICK HERE](#)

Which Strategic Theme does project most align with?

Operational Excellence

Which Strategic Objective does project most align with?

Improve system performance and resilience

Which Strategic Initiative does project most align with?

Business & Operations Modernization/Transformation

Which Team Goal does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.*

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?

Why do we need to complete this project in the period requested?
Lead time, retiring internal expertise and end of life date which is quickly approaching.

What are the risks and consequences of not completing this project?
We do not want to risk not having support for these critical units. These units backup information critical to our business. We don't want to put this in jeopardy.

Is this Project in Central Hudson's current approved rate case?	<i>Yes</i>	<i>2023</i>
Is this Project tied to a regulatory requirement?	<i>No</i>	
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?	<i>Yes</i>	
<i>Ensure we have storage to run our business</i>		
Does this Project enhance Central Hudson's customer experience or service delivery?	<i>No</i>	
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?	<i>Yes</i>	
<i>Reduces Cyber and EOL Risks</i>		
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?	<i>No</i>	



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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,143,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	41,000			20,000			21,000	
	Stock Materials	0			0			0	
	A/P Non-Stock Material								
	A/P Contractors & Other	1,057,000			486,000			571,000	
	Overheads & Other	30,000			15,000			15,000	
	AFUDC*	15,000			6,000			9,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,143,000	0	0	527,000	0	0	616,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

estimates were estimates based off of historic pricing with some adjustments

← Formulas give standard ranges 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?

No

E. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

In-Service: 12/1/2027

C. JUSTIFICATION

Load Based/Infrastructure: Other
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Strategic Goal

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.

We need to enhance our cybersecurity capabilities to protect our customers and our company.

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

increase cyber security and reduction of risk of cyber attacks

For the following strategic alignment questions, 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 safety and security culture

Which **Strategic Initiative** does project most align with?

Beneficial Electrification

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Cyber & Information Security

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: No

Social Component: No

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.

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? No

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

CyberSecurity is an increasing risk in today's world

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

We need to improve our cyber security to keep our customers and our company safe

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

we will have less ability to identify cyber issues as early as possible.

Is this Project in Central Hudson's current approved rate case? No

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

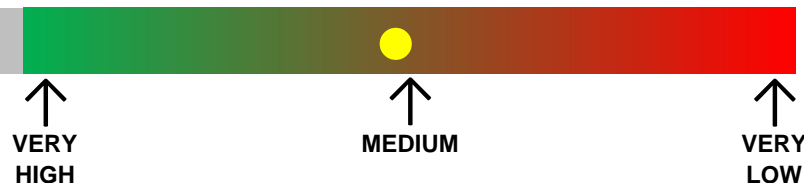
Does this Project enhance Central Hudson's customer experience or service delivery? Yes

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,602,000									
ADDITIONS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	301,000			150,000	151,000			
	Stock Materials	0							
	A/P Non-Stock Material	476,000			226,000	250,000			
	A/P Contractors & Other	652,000			331,000	321,000			
	Overheads & Other	150,000			75,000	75,000			
	AFUDC*	23,000			8,000	15,000			
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,602,000	0	0	790,000	812,000	0	0	0
REMOVALS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges
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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4222

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Network Infrastructure Lifecycle Upgrades / Replacements

Work Order #: -

Funding Project Description: IT Hardware

Funding Project Number: 4-4222-00-18

Is this a Specific Project, Program or Blanket? Blanket

Target Schedule - Start: 1/1/2024

In-Service: 12/1/2029

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:

The CHGE network infrastructure is being replaced to enable Network Segmentation on over 114 network switches and 4092 network connections. This process includes replacing network switches where required, developing access policies for devices and users and creating the appropriate security controls.

Describe specific scope exclusions, assumptions and constraints:

Assumption: Will continuously keep the Network Infrastructure as up to date as possible by upgrading/replacing the older technology.

B. ALTERNATIVES

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

Do nothing and create risk with using older technology.

Why was the proposed project scope chosen over other alternatives?

We can't afford to have our infrastructure to get to the point where the technology is too old and starts failing causing outages.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure

Growth/Sustaining/Retirement: Growth 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 CHGE network infrastructure is being replaced to enable Network Segmentation on over 114 network switches and 4092 network connections. This process includes replacing network switches where required, developing access policies for devices and users and creating the appropriate security controls.

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

Risk reduction from keeping our technology current.

For the following strategic alignment questions, 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

Which Strategic Initiative does project most align with?

Business & Operations Modernization/Transformation

Which Team Goal does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.*

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?

Why do we need to complete this project in the period requested?
We can't afford to have our infrastructure to get to the point where the technology is too old and starts failing causing outages.

What are the risks and consequences of not completing this project?
We will increase our technical debt and introduce more risk with keeping older technology.

Is this Project in Central Hudson's current approved rate case?	Yes	2023
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.)? <i>Reduces Cyber and EOL Risks</i>	Yes	
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? <i>Reduces Cyber and EOL Risks</i>	Yes	



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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$2,456,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	482,000		40,000	78,000	95,000	130,000	139,000	
	Stock Materials	1,851,000		358,000	355,000	363,000	387,000	388,000	
	A/P Non-Stock Material	0							
	A/P Contractors & Other	0							
	Overheads & Other	90,000		10,000	10,000	20,000	25,000	25,000	
	AFUDC*	33,000		7,000	5,000	9,000	4,000	8,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		2,456,000	0	415,000	448,000	487,000	546,000	560,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Historic annual costs

← Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: February 20, 2024

First Year of 5-Year Budget Period: **2025**

Business Sponsor: Doug Ondreyko

Budget Category: 4222

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Palo Alto Lifecycle

Work Order #: -

Funding Project Description: 4222 Cyber Hardware

Funding Project Number: 10300

Is this a Specific Project, Program or Blanket? Program

Target Schedule - Start: 1/1/2027

In-Service: 12/1/2029

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:

This project is to replace the existing firewalls with the latest generation from Palo Alto. These firewalls not only serve as our perimeter firewalls for security, but also service our User VPN (Global Protect), LSVPN for Work-at-Home CSRs, Site-to-Site VPNs and our Azure Express Route traffic and routing for SAP. This upgrade will also bring about security enhancements as we add on additional security features for URL filtering and more advanced threat protection.

Describe specific scope exclusions, assumptions and constraints:

This project is to replace the existing firewalls with the latest generation from Palo Alto. These firewalls not only serve as our perimeter firewalls for security, but also service our User VPN (Global Protect), LSPVPN for Work-at-Home CSRs, Site-to-Site VPNs and our Azure Express Route traffic and routing for SAP. This upgrade will also bring about security enhancements as we add on additional security features for URL filtering and more advanced threat protection.

B. ALTERNATIVES

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

There are no real suitable alternatives. This is mission critical hardware that needs to be replaced since it is out of support. We must have firewalls. Changing Firewall manufacturers is not possible due to the massive interruption in services it would cause and increased costs for onboarding an entire new platform. We did however review the various models of firewalls that Palo Alto offers and made our selection based on the growing needs

Why was the proposed project scope chosen over other alternatives?

This scope was the most cost efficient and will cause the least amount of impact to the business. It will provide us with the ability to increase the speed of our multiple connections over time and also add significant security enhancements to our organization.

C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure
Discretion Level:	System Enhancements

Growth/Sustaining/Retirement: Growth 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.

Our existing firewalls go end-of-life/support in October 2024. These firewalls provide mission critical services and security. Operating with firewalls that have no support is a major risk to our organization.

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

The new firewalls not only provide us with supported hardware, but also allow for major bandwidth expansion in the future. Today we can only support 2Gbps through our existing firewall. The new hardware can support 22Gbps. We will also be adding security enhancements in an effort to consolidate

For the following strategic alignment questions, 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 safety and security culture

Which **Strategic Initiative** does project most align with? Business & Operations Modernization/Transformation

Which Team Goal does project most align with?

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Cyber & Information Security

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:** No

Social Component: No

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.*

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? No

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

Cyber is an increasing issue and we need to keep our customers and our company safe from cyber attacks

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

This scope was the most cost efficient and will cause the least amount of impact to the business. It will provide us with the ability to increase the speed of our multiple connections over time and also add significant security enhancements to our organization.

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

Our firewalls will no longer be provided support from the manufacturer. This means we will no longer get software or security updates, we will no longer be able to patch for vulnerabilities and we will not be able to receive help from Technical support in the event of a hardware or software issue. This could cause a CHGE Internet outage, unavailability of VPN for users, remote sites or third-party partnered organizations, including Fortis, and

Is this Project in Central Hudson's current approved rate case? No

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
 increased security to medigate risks

Does this Project enhance Central Hudson's customer experience or service delivery? Yes
 increased security to medigate risks

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes
 increased security to medigate risks

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes
 increased security to medigate risks and increase safety

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,647,000									
ADDITIONS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	303,000				100,000	101,000	102,000	
	Stock Materials	0							
	A/P Non-Stock Material	836,000				269,000	279,000	288,000	
	A/P Contractors & Other	300,000				100,000	100,000	100,000	
	Overheads & Other	186,000				62,000	62,000	62,000	
	AFUDC*	22,000				10,000	4,000	8,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,647,000	0	0	0	541,000	546,000	560,000	0
REMOVALS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Ongoing upgrades/updates, but we don't currently know detailed requirements/functionality of future upgrades

← Formulas give standard ranges
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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 1/1/2029 **In-Service:** 3/31/2029

C. JUSTIFICATION

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

Growth/Sustaining/Retirement: Growth Sustaining
Investment Type: Daily Operations
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 part of its ongoing Grid Modernization Program, Central Hudson's current eDNA Historian product will be replaced by GE's Proficy Historian which will be expanded to collect data from both transmission (EMS) and distribution (EMS) networks.

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

Condensing into 1 GE Platform will reduce costs

For the following strategic alignment questions, 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?

Leverage information and operating technologies

Which Strategic Initiative does project most align with?

Business & Operations Modernization/Transformation

Which Team Goal does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

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:** No

Social Component: No

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.*

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?

This project was in progress but was put on hold due to vendor constraints - Contract obligations

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

Contract obligations

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

Contract obligations

Is this Project in Central Hudson's current approved rate case? No

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

cost reductions due to rationalization

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*

* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.

↑
VERY
HIGH

↑
MEDIUM

↑
VERY
LOW

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,762,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	245,000						245,000	
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	1,258,000						1,258,000	
	Overheads & Other	150,000						150,000	
	AFUDC*	109,000						109,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,762,000	0	0	0	0	0	1,762,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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 as a SPECIFIC PROJECT

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.

Cost Estimate Range: Minimum (\$): 1,409,600 Maximum (\$): 2,114,400

No explanation on confidence level required.

← *Formulas give standard ranges per estimate level, but may be overwritten if desired.*

Basis for estimate: Contractor/Vendor Bids For Certain Work

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: **2025**

Business Sponsor: Doug Ondreyko

Budget Category: **4235**

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: OT ADMS OMS Implementation

Work Order #:

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2025

In-Service: 12/30/2026

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:

Advanced Distribution Management System (“ADMS”) – An integrated software system to monitor and control field IEDs. Our Outage Management System (“OMS”) will be incorporated under one platform to reduce the need to maintain multiple systems. The ADMS will allow for real-time load flow analysis and is used to drive FLISR and VVO for customer benefit.

Describe specific scope exclusions, assumptions and constraints:

Assumption: Sufficient Corporate funding exists to support the build out of the network in the timeframe needed.

B. ALTERNATIVES

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

Extending the life of the system, and comparisons of other vendor solutions in 2020.

Why was the proposed project scope chosen over other alternatives?

Better O&M Cost Reductions than the alternatives considered.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Distribution Growth
 Investment Type: Infrastructure

Is there an Innovation Component? No

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 software is beyond its vendor supported end of life, migration is mandatory to maintain continuity of regulated business services.

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

Eliminating the need to update multiple circuit models, as the GIS model can then source our OMS, and DMS, as well as online mapping tools.
 Streamline the process for work order upgrades and circuit map processing O&M savings.

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

[CLICK HERE](#)

Which **Strategic Theme** does project most align with? Operational Excellence

Which **Strategic Objective** does project most align with? Improved regulatory outcomes

Which **Strategic Initiative** does project most align with? Seamless Customer Experience

Which **Team Goal** does project most align with? PSC CAIDI Outage Duration

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

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: No

Social Component: No

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.

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?

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

"Grid Modernization supports all four Corporate Strategic Themes:

1. Modernizing our business through electric and natural gas system investments and process improvements.

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

Increased CAIDI and SAIFI due to inaccurate predictive repair response times.

Is this Project in Central Hudson's current approved rate case?

Yes

2023

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

consolidating into 1 platform

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

Better data related to Outages

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

Yes

Better data related to Outages

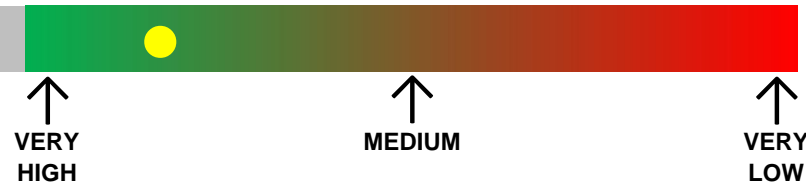
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

Yes

Better data related to Outages

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$4,950,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	903,000		302,000	500,000			101,000	
	Stock Materials	1,097,000		551,000	546,000				
	A/P Non-Stock Material	2,518,000		1,140,000	1,199,000			179,000	
	A/P Contractors & Other	0							
	Overheads & Other	175,000		50,000	75,000			50,000	
	AFUDC*	257,000		95,000	140,000			22,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		4,950,000	0	2,138,000	2,460,000	0	0	352,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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 as a SPECIFIC PROJECT

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.

Cost Estimate Range: Minimum (\$): 3,960,000 Maximum (\$): 5,940,000

No explanation on confidence level required.

← *Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: **2025**

Business Sponsor: Doug Ondreyko

Budget Category: **4235**

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: OT DMS Upgrade SW

Work Order #:

Funding Project Description: Miscellaneous Hardware and Software

Funding Project Number: 4-4230-05-18

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2026

In-Service: 12/1/2027

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:

Upgrade our DMS software to the latest version, along with hardware refresh.

Describe specific scope exclusions, assumptions and constraints:

Assumption: GE will require certain productivity tools/software to be installed in the Development and Test environments in order to perform the necessary work.

Assumption: No incremental requirements (functional, security or performance, etc.) beyond current capabilities of the base product is provided.

B. ALTERNATIVES

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

Do Nothing; Extend usage of existing SW after vendor support expires

Why was the proposed project scope chosen over other alternatives?

Risk reduction and the ability to provide workforces the ability to support critical infrastructure that supports safe and reliable service for customers.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Growth 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.

Having worked closely with CH, the GE team is intimately familiar with the business drivers, past challenges and system requirements of this upgrade; we know exactly how our industry leading GE Reliance product and support services will solve the immediate upgrade needs while building a foundation for future requirements

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

Keeping up to date SW versions will reduce risk and improve efficiencies

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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:** No

Social Component: No

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.*

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? No

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

Specifically called out in IT projects.

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

To keep our critical SW up to date and in compliance.

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

Limited vendor support and/or non compliance for deployed SW.

Is this Project in Central Hudson's current approved rate case?

No

Is this Project tied to a regulatory requirement?

Yes

mean an up to date DMS system

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.)?

Yes

Reduces Cyber and EOL Risks

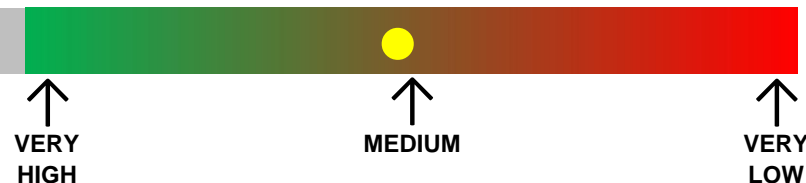
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

Yes

Enhances the distribution system

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$3,551,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	298,000			50,000	203,000		45,000	
	Stock Materials	0			0	0			
	A/P Non-Stock Material	750,000			150,000	600,000			
	A/P Contractors & Other	2,207,000			453,000	1,754,000			
	Overheads & Other	135,000			25,000	100,000		10,000	
	AFUDC*	161,000			41,000	116,000		4,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		3,551,000	0	0	719,000	2,773,000	0	59,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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.

Cost Estimate Range: Minimum (\$): 2,840,800 Maximum (\$): 4,261,200

No explanation on confidence level required.

← *Formulas give standard ranges 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. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 5/1/2027 **In-Service:** 12/20/2029

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure Growth/Sustaining/Retirement: Growth 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.

Need to keep update to date Hardware to reduce risk of failing or Cyber attacks

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

Keeping up to date HW versions will reduce risk and improve efficiencies.

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

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: No

Social Component: No

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.

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?

Why do we need to complete this project in the period requested?
To keep our critical HW up to date and in compliance.

What are the risks and consequences of not completing this project?
Limited vendor support and/or non compliance for deployed HW.

Is this Project in Central Hudson's current approved rate case?	<i>Yes</i>	<i>2023</i>
Is this Project tied to a regulatory requirement?	<i>Yes</i>	
<i>Need an up to date EMS system</i>		
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?	<i>No</i>	
Does this Project enhance Central Hudson's customer experience or service delivery?	<i>No</i>	
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?	<i>Yes</i>	
<i>Cyber and EOL risk reductions</i>		
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?	<i>No</i>	



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.					
\$1,390,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	378,000				50,000		328,000	
	Stock Materials	0							
	A/P Non-Stock Material	194,000							
	A/P Contractors & Other	674,000				194,000		674,000	
	Overheads & Other	122,000				22,000		100,000	
	AFUDC*	22,000				5,000		17,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,390,000	0	0	0	271,000	0	1,119,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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.

Cost Estimate Range: Minimum (\$): 973,000 Maximum (\$): 1,807,000

No explanation on confidence level required.

← *Formulas give standard ranges per estimate level, but may be overwritten if desired.*

Basis for estimate: FOS-Generated Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 5/1/2023 **In-Service:** 7/1/2029

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Growth 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.

Having worked closely with CH, the GE team is intimately familiar with the business drivers, past challenges and system requirements of this upgrade; we know exactly how our industry leading GE Reliance product and support services will solve the immediate upgrade needs while building a foundation for future requirements.

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

Keeping up to date SW versions will reduce risk and improve efficiencies.

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

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:** No

Social Component: No

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.

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?

Why do we need to complete this project in the period requested?
 To keep our critical SW up to date and in compliance.

What are the risks and consequences of not completing this project?
 Limited vendor support and/or non compliance for deployed SW.

Is this Project in Central Hudson's current approved rate case? No
Is this Project tied to a regulatory requirement? Yes
We need an up to date EMS system
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.)? Yes
Cyber and EOL Risks reductions
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? No



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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$2,391,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	450,000				215,000		235,000	
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	1,649,000						1,649,000	
	Overheads & Other	150,000				50,000		100,000	
	AFUDC*	142,000				12,000		130,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		2,391,000	0	0	0	277,000	0	2,114,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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.

Cost Estimate Range: Minimum (\$): 1,673,700 Maximum (\$): 3,108,300

No explanation on confidence level required.

← *Formulas give standard ranges per estimate level, but may be overwritten if desired.*

Basis for estimate: FOS-Generated Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4230

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: OT Infrastructure Upgrades

Work Order #: -

Funding Project Description: Miscellaneous Hardware and Software

Funding Project Number: 4-4230-05-18

Is this a Specific Project, Program or Blanket? Blanket

Target Schedule - Start: 1/1/2023

In-Service: 12/1/2029

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:

Continuous upgrade/replacement of older infrastructure to keep our infrastructure as up to date as possible.

Describe specific scope exclusions, assumptions and constraints:

Assumption: Will continuously keep the Network Infrastructure as up to date as possible by upgrading/replacing older OT infrastructure to the current standard.

B. ALTERNATIVES

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

Do nothing and create risk with using older technology.

Why was the proposed project scope chosen over other alternatives?

We can't afford to have our infrastructure to get to the point where the technology is too old and starts failing causing outages.

C. JUSTIFICATION

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

Growth/Sustaining/Retirement: Growth 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.

Continuous upgrade/replacement of older infrastructure to keep our infrastructure as up to date as possible

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

Risk reduction of older technology being replaced

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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:** No

Social Component: No

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.

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?

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

We can't afford to have our infrastructure to get to the point where the technology is too old and starts failing causing outages.

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

We will increase our technical debt and introduce more risk with keeping older technology.

Is this Project in Central Hudson's current approved rate case?

No

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.)?

Yes

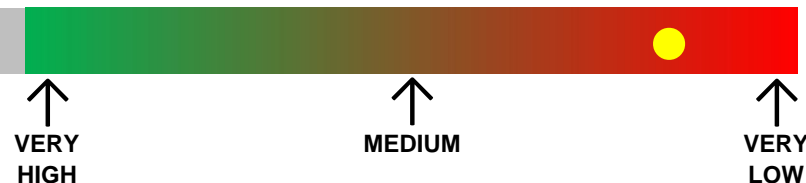
Cyber and EOL Risks reductions

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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,078,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	101,000		20,000	20,000	20,000	20,000	21,000	
	Stock Materials	0							
	A/P Non-Stock Material	838,000		160,000	164,000	168,000	171,000	175,000	
	A/P Contractors & Other	100,000		20,000	20,000	20,000	20,000	20,000	
	Overheads & Other	25,000		5,000	5,000	5,000	5,000	5,000	
	AFUDC*	14,000		3,000	2,000	4,000	2,000	3,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,078,000	0	208,000	211,000	217,000	218,000	224,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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 as a SPECIFIC PROJECT

Cost Estimate Level: Preliminary

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

historic pricing, but holding for upcoming upgrades that we may not know the details of yet.

← Formulas give standard ranges
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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 4240

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Security Hardware Lifecycle/Replacements

Work Order #: -

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Blanket

Target Schedule - Start: 1/1/2025

In-Service: 12/1/2029

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:

This project was created to update/upgrade any security hardware that is coming to end of life and/or needs to be replaced to limit risks

Describe specific scope exclusions, assumptions and constraints:

Upgrades/replacement work will be contracted out

B. ALTERNATIVES

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

Do nothing and not keep Security HW up to date, increasing security/safety risks.

Why was the proposed project scope chosen over other alternatives?

Safety is a corporate goal

C. JUSTIFICATION

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

Growth/Sustaining/Retirement: Growth 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 project was created to update/upgrade any security hardware that is coming to end of life and/or needs to be replaces to limit risks

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

This project was created to update/upgrade any security hardware that is coming to end of life and/or needs to be replaces to limit Security risks, and increasing Safety

For the following strategic alignment questions, 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 safety and security culture

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

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:** No

Social Component: No

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.

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?

Why do we need to complete this project in the period requested?
 We will need to update/upgrade aged technology to keep up to date and secure

What are the risks and consequences of not completing this project?
 Increased security/safety risks - limited vendor support and/or non compliance for deployed hardware. Potential service disruptions.

Is this Project in Central Hudson's current approved rate case?	Yes	2023
Is this Project tied to a regulatory requirement? security regulatory	Yes	
Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? reduces theft/damage	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.)? reduced Cyber and EOL risks	Yes	
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Improves visibility to areas need to monitor for safety	Yes	



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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$2,359,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	91,000		10,000	20,000	20,000	20,000	21,000	
	Stock Materials	0							
	A/P Non-Stock Material	440,000			95,000	115,000	115,000	115,000	
	A/P Contractors & Other	1,757,000		190,000	323,000	333,000	450,000	461,000	
	Overheads & Other	40,000		5,000	5,000	10,000	10,000	10,000	
	AFUDC*	31,000		3,000	5,000	9,000	5,000	9,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		2,359,000	0	208,000	448,000	487,000	600,000	616,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

We don't know the scope of future upgrades at the moment

← Formulas give standard ranges per estimate level, but may be overwritten if desired.

Basis for estimate: FOS-Generated Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 1/1/2024 **In-Service:** 12/1/2029

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure Growth/Sustaining/Retirement: Growth 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 manufacturer of network routers announced an end of sale of November 2022 with an end-of-life for November 2027.

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

None.

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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: No

Social Component: No

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.

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?

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

CHGE understands certain communication circuits and predominately older copper-based technology owned and maintained by AT&T and Verizon, may be retired in the coming years. CHGE must be pro-active avoiding risk of communication loss to remote sites. Network routers are part of the CHGE's solution to construction, maintain, and operate its own communication network. □

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

Not completing this project prolongs CHGE dependance on third party carriers with the associated costs, physical and cyber security oversight, and service levels issues.

Is this Project in Central Hudson's current approved rate case? No

Is this Project tied to a regulatory requirement? Yes

SCADA comms must be sustained to substation and gate stations

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? Yes

There are potential savings for additional vendor and consultant support, without ability to communicate to substations, those stations will have to be manually checked.

Does this Project enhance Central Hudson's customer experience or service delivery? Yes

This project ensures reliable communications to and from CHGE substations (ie. maintain restoration times).

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

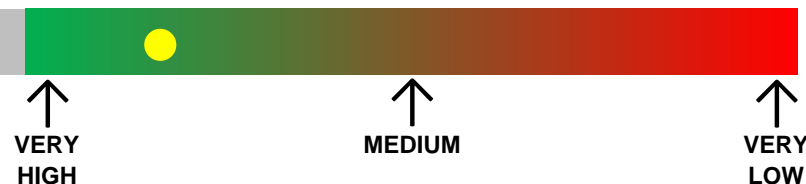
Reduces Cyber and EOL Risks

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes

cyber safety

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$10,581,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	2,045,000		384,000	360,000	514,000	516,000	271,000	
	Stock Materials	0							
	A/P Non-Stock Material	7,309,000		230,000	1,160,000	2,905,000	2,784,000	230,000	
	A/P Contractors & Other	0							
	Overheads & Other	900,000		50,000	200,000	300,000	300,000	50,000	
	AFUDC*	327,000		20,000	51,000	118,000	120,000	18,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		10,581,000	0	684,000	1,771,000	3,837,000	3,720,000	569,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:
historic pricing

← Formulas give standard ranges
per estimate level, but may be
overwritten if desired.

Basis for estimate: FOS-Generated Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 1/1/2024 **In-Service:** 12/1/2027

C. JUSTIFICATION

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

Needs Assessment: Reliability

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.

CHGE's intent is to provide a fiber backhaul network connecting substations, gate stations, NS Junction Boxes, and offices.

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

Build more resilient network to OT field assets and to reduce outages.

For the following strategic alignment questions, 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

Which Strategic Initiative does project most align with?

Business & Operations Modernization/Transformation

Which Team Goal does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44) : Sustainability, Reliability & Rationalization

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates? No

* 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

* 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? No

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

Keeping network up to date to provide reliable service to our customers.

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

CHGE understands certain communication circuits predominately older copper-based technology maintained by third parties may be retired. CHGE must be pro-active avoiding risk of communication loss to remote sites.

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

The risk is loss of communication to substations, gate stations, data centers.

Is this Project in Central Hudson's current approved rate case? Yes

2023

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.)? Yes

reduces Risk

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes

Redundant paths are preferred to reduce outages although terrain may prevent customer outages

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

↑
MEDIUM

↑
VERY
LOW

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$3,579,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	597,000		171,000	193,000	233,000			
	Stock Materials	300,000		100,000	100,000	100,000			
	A/P Non-Stock Material	2,100,000		600,000	600,000	900,000			
	A/P Contractors & Other	300,000		100,000	100,000	100,000			
	Overheads & Other	175,000		50,000	50,000	75,000			
	AFUDC*	107,000		31,000	31,000	45,000			
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		3,579,000	0	1,052,000	1,074,000	1,453,000	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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.

Cost Estimate Range: Minimum (\$): 2,505,300 Maximum (\$): 4,652,700

No explanation on confidence level required.

← *Formulas give standard ranges per estimate level, but may be overwritten if desired.*

Basis for estimate: FOS-Generated Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

No

E. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

In-Service: 12/1/2029

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
Discretion Level: System Enhancements

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

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.

Capital projects for the transmission and distribution systems may be deferred as load pockets serviced by lateral feeders can be reserved with automated switching.

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

The application of Conservation Voltage Reduction ("CVR") with Volt-VAR Optimization ("VVO") techniques on the electric distribution system improves efficiency and has the potential benefit of providing approximately 2% in

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document: [CLICK HERE](#)

Which **Strategic Theme** does project most align with? Energy Leadership
 Which **Strategic Objective** does project most align with? Improve planning and performance management
 Which **Strategic Initiative** does project most align with? Business & Operations Modernization/Transformation
 Which **Team Goal** does project most align with? PSC CAIDI Outage Duration

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:** No
Social Component: No
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.

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?

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

"Grid Modernization supports all four Corporate Strategic Themes:

1. Modernizing our business through electric and natural gas system investments and process improvements.

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

Network Strategy – Tier 2 Gateway and Helper Node Issue: Gateway and Helper Node Location Installation are unable to transport the telemetry at speeds sufficient for operations. Engineering Studies Issue: Defined testing/integration plan for E2E testing and cutover, and were a best effort, knowing there will be IEDs needed in locations additional to those identified at the beginning of the program in 2020.

Is this Project in Central Hudson's current approved rate case? **No**

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.)? **Yes**

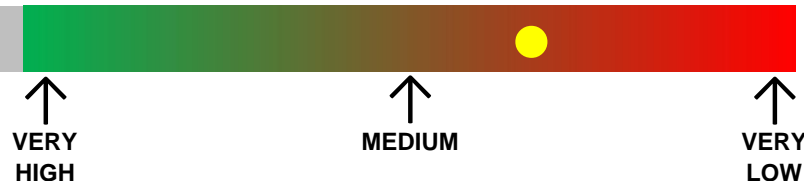
Reduces Cyber Risks

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? **Yes**

better visibility to our grid

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$19,245,000									
ADDITIONS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	4,453,000		1,002,000	3,006,000	154,000	150,000	141,000	
	Stock Materials	0							
	A/P Non-Stock Material	4,741,000		1,000,000	2,530,000	800,000	203,000	208,000	
	A/P Contractors & Other	8,535,000		2,252,000	4,552,000	950,000	381,000	400,000	
	Overheads & Other	950,000		200,000	350,000	200,000	100,000	100,000	
	AFUDC*	566,000		135,000	308,000	67,000	28,000	28,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		19,245,000	0	4,589,000	10,746,000	2,171,000	862,000	877,000	0
REMOVALS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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.

Cost Estimate Range: Minimum (\$): 15,396,000 Maximum (\$): 23,094,000

No explanation on confidence level required.

← *Formulas give standard ranges
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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category: 44

Prepared By: Doug Ondreyko

Budget Group: Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Land Mobile Radio Replacement with DMR

Work Order #:

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 6/1/2024

In-Service: 12/1/2029

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:

CHGE must upgrade the existing LMR System. Modern systems now use Digital Mobile Radio (DMR) technology. The project objective is to replace Central Hudson's LMR system with a DMR system.

Describe specific scope exclusions, assumptions and constraints:

Assumption: Number of company vehicles

Assumption: Materials are readily available

B. ALTERNATIVES

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

Three vendors demonstrated their products and networks in 2022. An array of solutions and services were offered. CHGE has determined a DMR system will best serve the company.

Why was the proposed project scope chosen over other alternatives?

Overall, a DMR system is superior to an LMR system through audio quality, speed, configuration flexibility, power usage, safety features, network monitoring, and other functions. These demonstrations enabled stakeholders to identify features required of portable and mobile radios needed, required talk groups, and equipment quantities.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure

Growth/Sustaining/Retirement: Growth Sustaining

Discretion Level: Maintain System Standards

Investment Type: Daily Operations

Is there an Innovation Component? No

Needs Assessment: Reliability

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 end-of-life for base radio equipment was in 2014. CHGE's LMR equipment reached full depreciation in 2015. Portable radios are no longer available. Mobile radios are on a made to order basis with extensive lead times over 1-year.

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

None.

For the following strategic alignment questions, 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 safety and security culture

Which Strategic Initiative does project most align with?

Transform Safety Culture

Which Team Goal does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

Select all that apply

Have you taken into account potential environmental impacts that would need to be considered for cost and schedule estimates? No

** 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

** 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? No

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

Aged Technology needs to be replaces for safety purposes.

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

The end-of-life for base radio equipment was in 2014. CHGE's LMR equipment reached full depreciation in 2015. Portable radios are no longer available. Mobile radios are on a made to order basis with extensive lead times over 1-year.

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

As first responders, it is important for CHGE to have a radio network. A radio network provides mission critical reliable communication. A simple push to talk method is far easier for emergency and stressful situations. Some areas within CHGE's territory have poor cellular coverage, and crews currently rely upon the LMR System. There is direct communication between Dispatch and crews.

Is this Project in Central Hudson's current approved rate case? Yes

2023

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

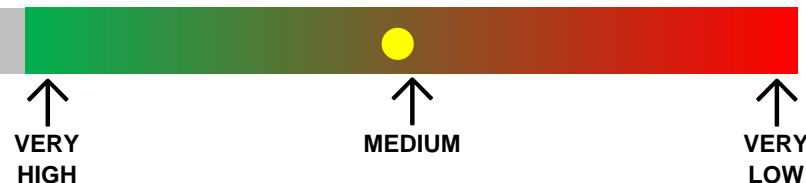
Does this Project enhance Central Hudson's customer experience or service delivery? No

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes
 reduces cyber and EOL risks

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes
 Enhanced safety features from older LMRs

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,975,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	653,000		98,000	109,000	85,000	177,000	184,000	
	Stock Materials	0							
	A/P Non-Stock Material	600,000		200,000	200,000		100,000	100,000	
	A/P Contractors & Other	486,000		188,000	188,000	50,000	30,000	30,000	
	Overheads & Other	177,000		25,000	25,000	27,000	50,000	50,000	
	AFUDC*	59,000		15,000	15,000	5,000	12,000	12,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,975,000	0	526,000	537,000	167,000	369,000	376,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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.

Cost Estimate Range: Minimum (\$): 1,580,000 Maximum (\$): 2,370,000

No explanation on confidence level required.

← Formulas give standard ranges 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?

No

E. ADDITIONAL 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):



Current Life-Cycle Phase: 1 Planning

Target Schedule - Start: 1/1/2026 **In-Service:** 12/1/2029

C. JUSTIFICATION

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

Growth/Sustaining/Retirement: Growth 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.

Inability to maximize grid mod efficiencies due to discontinuations of copper lines, slower protocols and lack of redundancies within Network. Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers.

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

Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers.

For the following strategic alignment questions, 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 productivity and efficiency

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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)

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:** No

Social Component: No

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.

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?

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

Inability to maximize grid mod efficiencies due to discontinuations of copper lines, slower protocols and lack of redundancies within Network. Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers.

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

Inability to maximize grid mod efficiencies due to discontinuations of copper lines, slower protocols and lack of redundancies within Network.

Is this Project in Central Hudson's current approved rate case? Yes

2023

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

Will maximize grid mod efficiencies

Does this Project enhance Central Hudson's customer experience or service delivery? Yes

Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers.

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers.

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes

Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers.

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

↑
MEDIUM

↑
VERY
LOW

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.					
\$2,381,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
ADDITIONS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	462,000			74,000	118,000	130,000	140,000	
	Stock Materials	0							
	A/P Non-Stock Material	1,745,000							
	A/P Contractors & Other	0			438,000	436,000	435,000	436,000	
	Overheads & Other	100,000			10,000	30,000	30,000	30,000	
	AFUDC*	74,000			15,000	19,000	20,000	20,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		2,381,000	0	0	537,000	603,000	615,000	626,000	0
REMOVALS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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.

Cost Estimate Range: Minimum (\$): 1,904,800 Maximum (\$): 2,857,200

No explanation on confidence level required.

← *Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: May 21, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Doug Ondreyko

Budget Category:

44

Prepared By: Doug Ondreyko

Budget Group:

Common: I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Net Strat - Substation Upgrades

Work Order #:

-

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 6/1/2024

In-Service: 12/1/2029

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:

Upgrade substations Networking to keep them up to date and eliminate risks. Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers.

Describe specific scope exclusions, assumptions and constraints:

Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers.

B. ALTERNATIVES

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

Extend usage of existing hardware after vendor support expires.

Why was the proposed project scope chosen over other alternatives?

Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure **Growth/Sustaining/Retirement:** Growth 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.

Upgrade substations Networking to keep them up to date and eliminate risks

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

Upgrade substations Networking to keep them up to date and eliminate risks

For the following strategic alignment questions, 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

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

Technology Strategic Alignment (CATS-4220, 4222, 4230, 4235, 44): Sustainability, Reliability & Rationalization

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)

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:** No

Social Component: No

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.*

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?

Why do we need to complete this project in the period requested?
 Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers.

What are the risks and consequences of not completing this project?
 Limited vendor support and/or non compliance for deployed hardware. Potential service disruptions.

Is this Project in Central Hudson's current approved rate case? No

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
 Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes
 reduces Cyber and EOL Risks

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes
 Provides workforces the ability to support critical infrastructure that supports safe and reliable service for customers

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$3,215,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	1,038,000		265,000	301,000	134,000	157,000	181,000	
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	1,796,000		676,000	870,000		150,000	100,000	
	Overheads & Other	285,000		80,000	80,000	25,000	50,000	50,000	
	AFUDC*	96,000		31,000	37,000	5,000	12,000	11,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		3,215,000	0	1,052,000	1,288,000	164,000	369,000	342,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

This estimate was created from historical costing with some adjustments

← Formulas give standard ranges
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. ADDITIONAL 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):

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D.Schultz

Budget Category: 41

Prepared By: R.J. Scandariato

Budget Group:

Common: Non-I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Architectural/Engineering Design

Work Order #:

				-	
--	--	--	--	---	--

Funding Project Description: Architectural/Engineering Design

Funding Project Number:

10568

Is this a Specific Project, Program or Blanket? Blanket

Target Schedule - Start: 1/1/2024

In-Service: 12/31/2028

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

Describe the project objective and scope of work:

Funding allocated to facilitate design work for projects that require longer time and/or to complete design to allow construction schedules to be met.

Describe specific scope exclusions, assumptions and constraints:

N/A

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

Needs Assessment: Safety

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.

Many building construction projects require professional designs to meet building codes, ensure safety, and be in compliance with requirements of any other jurisdictional authority.

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

Potential energy efficiency savings and industry leadership.

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

[CLICK HERE](#)

Which **Strategic Theme** does project most align with?

Operational Excellence

Which **Strategic Objective** does project most align with?

Grow invested capital

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

Employee Engagement LEQ & PEQ

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)

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: Maybe - Requires further scope development

Social Component: Maybe - Requires further scope development

Governance Component: Maybe - Requires further scope development

Is complete Sustainability status achieved by this project? Maybe - Requires further scope development

* 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?

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

N/A

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

Not being in compliance with codes and not meeting net plant targets by missing construction windows.

Is this Project in Central Hudson's current approved rate case?

No

Is this Project tied to a regulatory requirement?

Yes

Ensuring projects are in accordance with building codes

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.)?

Yes

Ensuring projects are in accordance with building codes

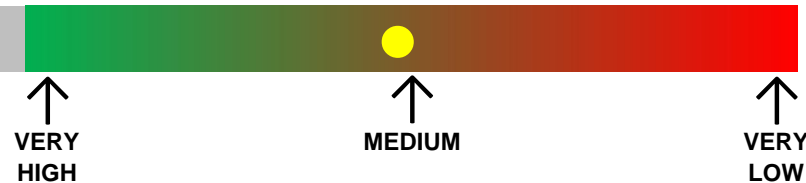
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

Yes

Ensuring projects are in accordance with building codes

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,422,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	1,276,000		250,000	250,000	250,000	263,000	263,000	
	Inflation	79,000		5,000	11,000	16,000	21,000	26,000	
	AFUDC*	67,000		4,000	12,000	6,000	15,000	30,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,422,000	0	259,000	273,000	272,000	299,000	319,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL REMOVALS:		0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): High Confidence

No further estimate range is required.

Cost Estimate Range: Minimum (\$): 1,137,600 Maximum (\$): 1,706,400

No explanation on confidence level required.

← Formulas give standard ranges 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. ADDITIONAL 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 Category:	_41
Budget Group:	Common: Non-I.T./O.T.
Current Life-Cycle Phase:	1 Planning

Project/Program Name:

Building 805/806 Rebuild

Funding Project Description:

Funding Project Not Yet Assigned

Is this a Specific Project, Program or Blanket?

Specific

Work Order #:

-

Funding Project Number:

to be determined

Target Schedule - Start:

6/1/2027

In-Service:

12/31/2030

C. JUSTIFICATION

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

Needs Assessment: Service

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 building has signs of wear in multiple areas and will need significant capital investment over the upcoming years. In addition, interior and exterior space, including parking, is constrained on campus so evaluating a more appropriate solution for all aspects is needed.

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

Lower O&M cost for the older building and potential of less congestion at the main campus.

For the following strategic alignment questions, 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 productivity and efficiency

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

Employee Engagement LEQ & PEQ

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:

Checklist Fully Completed: Yes

Environmental Component: Yes

Social Component:

Maybe - Requires further scope development

Governance Component:

Maybe - Requires further scope development

Is complete Sustainability status achieved by this project?* Maybe - Requires further scope development

** 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? 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?

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

To allow the employees in the operating area to have a safe and functional facility to complete their jobs.

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

Higher O&M costs and space constraints.

Is this Project in Central Hudson's current approved rate case?

No

Is this Project tied to a regulatory requirement?

Yes

This building houses the field crews that respond to emergencies and complete field work

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?

Yes

This building houses the field crews that respond to emergencies and complete field work, improving will increase customer service

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

No

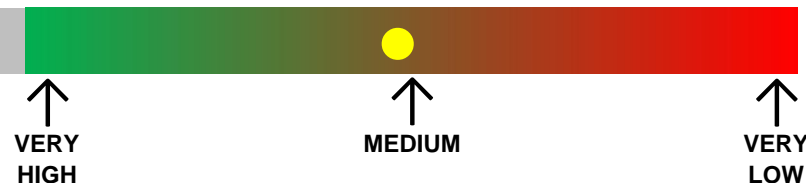
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

Yes

A new facility would be up to current building code and standards.

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$22,096,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	21,750,000			250,000			1,500,000	20,000,000
	Inflation	165,000			11,000			154,000	
	AFUDC*	181,000			12,000			169,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		22,096,000	0	0	273,000	0	0	1,823,000	20,000,000
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Full scope has not yet been developed. Market impact on cost and schedule is unknown multiple years into the future.

← Formulas give standard ranges
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?

No

E. ADDITIONAL 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):

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D. Schultz

Budget Category: 41

Prepared By: R.J. Scandariato

Budget Group: Common: Non-I.T./O.T.

Current Life-Cycle Phase: 4 Construction

A. GENERAL

Project/Program Name: Daily Operations - Unidentified

Work Order #:

				-	
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Funding Project Description: Daily Operations - Unidentified

Funding Project Number: 4-4112-02-18

Is this a Specific Project, Program or Blanket? Blanket

Target Schedule - Start: 1/1/2025

In-Service: 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:

Funding allocated to facilitate the emergent needs of the organization.

Describe specific scope exclusions, assumptions and constraints:

N/A

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: System Enhancements

Growth/Sustaining/Retirement: Growth Sustaining
Investment Type: Daily Operations
Is there an Innovation Component? No

Needs Assessment: Strategic Goal

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.

Emergent needs and equipment failures occur outside of the scope of identified projects. Allocating funding within the budget allows these circumstances to be addressed without sacrificing planned work.

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

Capital replacement of broken down equipment can save on recurring maintenance costs.

For the following strategic alignment questions, 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? Grow invested capital

Which Strategic Initiative does project most align with? Business & Operations Modernization/Transformation

Which Team Goal does project most align with? Group Expense

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)

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:** Maybe - Requires further scope development

Social Component: Maybe - Requires further scope development

Governance Component: Maybe - Requires further scope development

Is complete Sustainability status achieved by this project?* Maybe - Requires further scope development

** 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?

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

Emergent needs.

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

Increased maintenance costs and less reliable equipment.

Is this Project in Central Hudson's current approved rate case?

No

Is this Project tied to a regulatory requirement?

Yes

Funding for these projects may be required to provide a tempered enviroment of buildings

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?

Yes

Replacement of assests may reduce expense costs for repairs

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

Completing these projects will ensure a better experience for employees (internal customers).

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

Yes

Specific projects are not identified, but funding allows for quick resolution of immediate needs

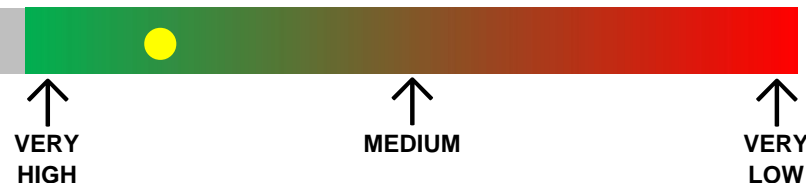
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

Yes

Specific projects are not identified, but funding allows for quick resolution of immediate needs

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$3,114,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	2,550,000		500,000	500,000	500,000	525,000	525,000	
	Inflation	161,000		10,000	21,000	32,000	44,000	54,000	
	AFUDC*	132,000		8,000	24,000	12,000	29,000	59,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		2,843,000	0	518,000	545,000	544,000	598,000	638,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	271,000		51,000	52,000	53,000	57,000	58,000	
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		271,000	0	51,000	52,000	53,000	57,000	58,000	0
* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): High Confidence

No further estimate range is required.

Cost Estimate Range: Minimum (\$): 2,491,200 Maximum (\$): 3,736,800

No explanation on confidence level required.

← *Formulas give standard ranges 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. ADDITIONAL 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 Category:	_41
Budget Group:	Common: Non-I.T./O.T.
Current Life-Cycle Phase:	1 Planning

Project/Program Name: EC Transportation Building **Work Order #:**

--	--	--	--	--	--

Funding Project Description: Funding Project Not Yet Assigned **Funding Project Number:** to be determined
Is this a Specific Project, Program or Blanket? Specific **Target Schedule - Start:** 7/1/2025 **In-Service:** 12/31/2026

C. JUSTIFICATION

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

Needs Assessment: Service

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 Transportation shop at the Eltings Corners facility was previously used as the main transportation facility. Since the department relocated to Kingston, this garage has been used only for the fleet in EC and was under utilized in that capacity but the equipment in the space is nearing the end of its useful life.

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

Lower O&M cost for the older building and increase the life of large and expensive equipment like cranes by storing indoors.

For the following strategic alignment questions, 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 productivity and efficiency
Which Strategic Initiative does project most align with? Business & Operations Modernization/Transformation
Which Team Goal does project most align with? Employee Engagement LEQ & PEQ

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)

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:** Yes
Social Component: No
Governance Component: Maybe - Requires further scope development

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.*

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?

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

Improvement of the means to house equipment.

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

Higher O&M costs to large equipment and under utilization of the existing garage.

Is this Project in Central Hudson's current approved rate case? No

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

Upon completion, large high value equipment will be stored indoors extending the life and reducing repair costs.

Does this Project enhance Central Hudson's customer experience or service delivery? Yes

Enhancements will allow the fleet assigned to Eltings Corners to be serviced more efficiently

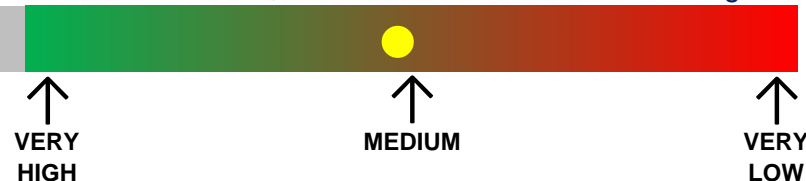
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? No

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes

A modern repair facility will be safer for employees repairing vehicles. In addition, vehicles stored indoors will no longer require snow removal in winter.

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$4,483,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	4,136,000		500,000	3,636,000				
	Inflation	166,000		11,000	155,000				
	AFUDC*	181,000		9,000	172,000				
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		4,483,000	0	520,000	3,963,000	0	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

← Formulas give standard ranges per estimate level, but may be overwritten if desired.

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

The scope of the project is not complete and work is planned for several years into the future so market impact on the cost is unknown.

Basis for estimate: Vendor Generated Cost Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

Yes

E. ADDITIONAL 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):

Transportation Building EC:

The existing transportation shop is no longer suitable to serve as an automotive repair facility. A new modern structure will be located on the existing site to meet all the local maintenance requirements of the Elting's Corners Operating Headquarters. The estimated capital expenditures for this project from category 41 (lands & Buildings) is \$4,483,000.

There are several components that make up the cost estimate for this project as detailed below.

Construction \$2,394,892: A vendor provided estimate to provide construction management services to complete the construction. An additional 10% was added to account for potential environmental issues and municipal approval process and temporary accommodations for employees.

Engineering/Architectural \$229,335: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the engineering fees were compared to the construction costs and converted to a percent. In addition, a white paper from the division of capital asset management and maintenance of the state of Massachusetts was referenced with guidance for a typical percent of construction costs design would account for. These values were averaged and that percent was applied to the construction estimate.

Testing/Inspection \$32,656: Testing and inspection is an owner provided third party tasked with providing services to ensure design specifications are met. Two recent projects (Building 808 and the Primary Control Center) were analyzed and the testing/inspection fees were compared to the construction costs and converted to a percent. Additional testing dollars were added above the average for any required additional testing for environmental concerns.

Commissioning \$35,967: Commissioning is an owner provided third party tasked with ensuring the building systems are functioning as designed. The recent Primary Control Center project was analyzed and the commissioning fees were compared to the construction cost. In addition, the commissioning agent working on the Primary Control Center project was consulted and provided an estimated percentage of construction for commissioning a new building. These values were averaged and that percent was applied to the construction estimate along with added funds to assist with training of CH staff on equipment.

Security \$27,062: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the security fees were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate.

Fees \$5,480: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the fees for permits and legal support were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate.

Equipment \$200,000: Due to the nature of this building there is a need for specialty equipment beyond that of a typical building. This includes vehicle lifts, air compressor/distribution and wash bay.

Labor \$124,233: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the labor fees were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate. However, due to the magnitude of the project this percentage did not allow sufficient labor funds for Central Hudson project management of an 18-month duration project so additional dollars were estimated for project management labor. In addition, labor for building maintenance staff was estimated for expected time spent reviewing and learning the building and equipment.

These values were entered into the Central Hudson "Overhead & AFUDC Calculator" where overheads were calculated (**\$336,216**) and 20% contingency (**\$708,273**) were applied. The calculator also generates an AFUDC estimate but that was omitted from the project cost and AFUDC was applied consistent with all other capital projects.

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D. Schultz

Budget Category:

41

Prepared By: R.J. Scandariato

Budget Group:

Common: Non-I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Ellenville Office Renovation

Work Order #:

-

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number:

to be determined

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 7/1/2026

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:

The office area in the Ellenville facility is dated, showing signs of wear, and does not fit the employees working in the area. Renovate and reconfigure the foreman, crew, and storekeeper office area to meet the current needs and upgrade the building systems.

Describe specific scope exclusions, assumptions and constraints:

Programming for specific project needs has not yet been completed.

B. ALTERNATIVES

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

Repairing/replacing parts of the existing building as needed.

Why was the proposed project scope chosen over other alternatives?

Implementation of the full scope at once rather than in stages that would impact the operations for a longer overall time and likely be a larger total cost.

C. JUSTIFICATION

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

Needs Assessment: Service

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 office areas require updating to meet the needs of the employees. Upgrading the mechanical systems to more efficient and reliable models can reduce the likelihood of breakdowns and limit long trips to Ellenville for repairs.

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

Lower O&M cost for the older equipment.

For the following strategic alignment questions, 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 productivity and efficiency

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

Employee Engagement LEQ & PEQ

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)

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: No

Governance Component: Maybe - Requires further scope development

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.

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?

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

To allow the employees in the operating area a safe and functional facility to complete their jobs.

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

Higher O&M costs.

Is this Project in Central Hudson's current approved rate case? No

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

The capital investment in this project should reduce the repair costs and frequency of breakdowns.

Does this Project enhance Central Hudson's customer experience or service delivery? Yes

Upgrading the facility will provide employees a more engaging work environment

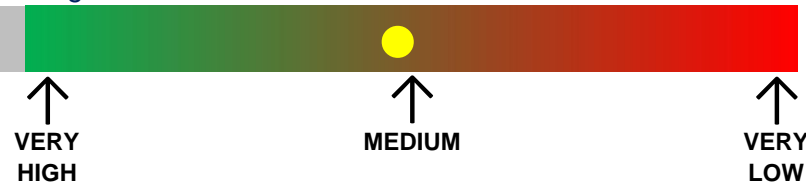
Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? No

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes

Improved layout of the office for employees working in this building.

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,278,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	1,175,000			75,000	1,100,000			
	Inflation	72,000			3,000	69,000			
	AFUDC*	31,000			4,000	27,000			
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,278,000	0	0	82,000	1,196,000	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

← Formulas give standard ranges
per estimate level, but may be
overwritten if desired.

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Full scope has not yet been developed and market impact on cost and schedule is unknown multiple years into the future.

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. ADDITIONAL 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):

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D. Schultz

Budget Category:

41

Prepared By: R.J. Scandariato

Budget Group:

Common: Non-I.T./O.T.

Current Life-Cycle Phase: 4 Construction

A. GENERAL

Project/Program Name: EV Charging Infrastructure

Work Order #:

-

Funding Project Description: EV Charging Infrastructure

Funding Project Number:

10565

Is this a Specific Project, Program or Blanket? Blanket

Target Schedule - Start: 1/1/2025

In-Service: 12/31/2029

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

Addition of electric vehicles to the Central Hudson fleet.

Describe the project objective and scope of work:

Install charging infrastructure at Central Hudson facilities to support the electric vehicles that are being added to the company fleet.

Describe specific scope exclusions, assumptions and constraints:

Coordination with Transportation, Engineering, and Facilities is underway to determine location and type of charging infrastructure that is needed.

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: System Enhancements

Growth/Sustaining/Retirement: Growth Sustaining
Investment Type: Daily Operations
Is there an Innovation Component? No

Needs Assessment: Strategic Goal

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.
 NYS and Central Hudson have goals to transition the fleet to include more electric vehicles. In order for this to be successful, charging infrastructure will need to be installed to support the needs.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.)
 Support of a corporate goal.

For the following strategic alignment questions, 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? Increase awareness as community and industry leader
 Which **Strategic Initiative** does project most align with? Beneficial Electrification
 Which **Team Goal** does project most align with? Scope 1 (Direct) GHG Emissions

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)

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: Maybe - Requires further scope development
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.

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?

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

To support the introduction of electric vehicles.

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

Electric vehicles that are purchssed would not be able to be effectively utilized.

Is this Project in Central Hudson's current approved rate case? No

Is this Project tied to a regulatory requirement? Yes

Corporate and NYS initiative to increase the number of EV in fleet

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? No

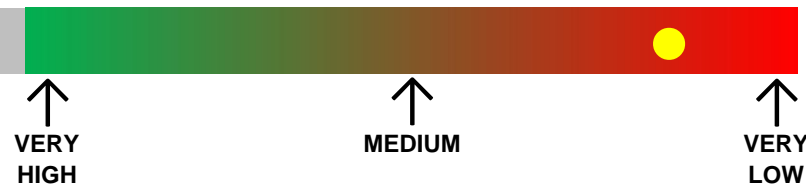
Does this Project enhance Central Hudson's customer experience or service delivery? No

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

Does this Project improve or enhance 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 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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,422,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	1,276,000		250,000	250,000	250,000	263,000	263,000	
	Inflation	79,000		5,000	11,000	16,000	21,000	26,000	
	AFUDC*	67,000		4,000	12,000	6,000	15,000	30,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,422,000	0	259,000	273,000	272,000	299,000	319,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): High Confidence

No further estimate range is required.

Cost Estimate Range: Minimum (\$): 1,137,600 Maximum (\$): 1,706,400

No explanation on confidence level required.

← *Formulas give standard ranges 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?

No

E. ADDITIONAL 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):



First Year of 5-Year Budget Period: **2025**

Budget Category: _41
Budget Group: Common: Non-I.T./O.T.
Current Life-Cycle Phase: 1 Planning

Project/Program Name: Fishkill Butler Building **Work Order #:**

				-	
--	--	--	--	---	--

Funding Project Description: Funding Project Not Yet Assigned **Funding Project Number:** to be determined
Is this a Specific Project, Program or Blanket? Specific **Target Schedule - Start:** 7/1/2025 **In-Service:** 12/31/2026

Describe the project objective and scope of work:

- Rebuild this building that better meets the needs of the organization and operating groups. Design the Transportation Shop to provide the necessary space for vehicles, parts, tools, and equipment.
- Add a restroom so that the employees in this building have more convenient access to it and provide more flexibility to keep crews separated (but on site) in the event of another pandemic.
- Improve ventilation and pipe storage for the gas welding shop.
- Consider increasing the depth of the garage space to allow for a dump truck and trailer with an excavator to fit. Also consider overhead doors on opposite ends to allow drive in, drive out for the bay where a truck/trailer combination will park.

Describe specific scope exclusions, assumptions and constraints:

Programming for specific project needs has not yet been completed but a schematic narrative by an architect is complete.

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

Repair specific parts of the building as failures occur.

Why was the proposed project scope chosen over other alternatives?

Rebuilding allows for reconfiguration of the building and layout to meet the needs of the operating group and completes the project as a whole instead of piece by piece.

C. JUSTIFICATION

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

Needs Assessment: Service

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 Butler Building is an older steel building that is experiencing corrosion and damage from birds penetrating the exterior. The building is multi-functional and is home to the gas welding shop, the transportation shop, vehicle storage, and material/equipment storage.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.)
 Lower O&M cost for the older building.

For the following strategic alignment questions, 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 productivity and efficiency
Which Strategic Initiative does project most align with? Business & Operations Modernization/Transformation
Which Team Goal does project most align with? Employee Engagement LEQ & PEQ

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:

Checklist Fully Completed: Yes
Environmental Component: Yes
Social Component: Yes
Governance Component: Maybe - Requires further scope development

Is complete Sustainability status achieved by this project?* Maybe - Requires further scope development

** 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?

Why do we need to complete this project in the period requested?
 To allow the employees in the operating area to have a safe and functional facility to complete their jobs.

What are the risks and consequences of not completing this project?
 Higher O&M costs and larger trucks not fitting in the mechanic's shop for service.

Is this Project in Central Hudson's current approved rate case? No

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

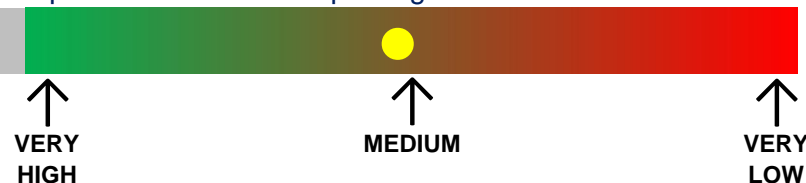
Does this Project enhance Central Hudson's customer experience or service delivery? Yes
 Enhancements will allow the fleet assigned to the Fishkill district to be serviced more efficiently

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes
 Changes to the layout allows the different work functions to complete tasks without impacting others

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes
 Changes to the layout allows the different work functions to complete tasks without impacting others

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$4,451,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	4,106,000		500,000	3,606,000				
	Inflation	166,000		11,000	155,000				
	AFUDC*	179,000		9,000	170,000				
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		4,451,000	0	520,000	3,931,000	0	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

← Formulas give standard ranges
per estimate level, but may be
overwritten if desired.

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

The scope of the project is not complete and work is planned for several years into the future so market impact on the cost is unknown.

Basis for estimate: Vendor Generated Cost Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

Yes

E. ADDITIONAL 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):

Butler Building Rebuild:

The Butler Building Rebuild project would implement required improvements to the structure including an increased ceiling height to adequately operate vehicle lifts, the installation of an isolating wall and ventilation system between the welding shop and other areas within the structure to safely protect the workforce, and the installation of restroom facilities. The estimated capital expenditures for this project from category 41 (lands & Buildings) is \$4,451,000.

There are several components that make up the cost estimate for this project as detailed below.

Construction \$2,622,832: A vendor provided estimate to provide construction management services to complete the construction. An additional 10% was added to account for potential environmental issues and municipal approval process and temporary accommodations for employees.

Engineering/Architectural \$251,162: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the engineering fees were compared to the construction costs and converted to a percent. In addition, a white paper from the division of capital asset management and maintenance of the state of Massachusetts was referenced with guidance for a typical percent of construction costs design would account for. These values were averaged and that percent was applied to the construction estimate.

Testing/Inspection \$8,385: Testing and inspection is an owner provided third party tasked with providing services to ensure design specifications are met. Two recent projects (Building 808 and the Primary Control Center) were analyzed and the testing/inspection fees were compared to the construction costs and converted to a percent.

Commissioning \$37,963: Commissioning is an owner provided third party tasked with ensuring the building systems are functioning as designed. The recent Primary Control Center project was analyzed and the commissioning fees were compared to the construction cost. In addition, the commissioning agent working on the Primary Control Center project was consulted and provided an estimated percentage of construction for commissioning a new building. These values were averaged and that percent was applied to the construction estimate along with added funds to assist with training of CH staff on equipment.

Security \$29,638: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the security fees were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate.

Fees \$6,001: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the fees for permits and legal support were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate.

Labor \$113,885: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the labor fees were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate. However, due to the magnitude of the project this percentage did not allow sufficient labor funds for Central Hudson project management of a 18 month duration project so additional dollars were estimated for project management labor. In addition, labor for building maintenance staff was estimated for expected time spent reviewing and learning the building and equipment.

These values were entered into the Central Hudson "Overhead & AFUDC Calculator" where overheads were calculated (**\$314,124**) and 20% contingency (**\$704,711**) were applied. The calculator also generates an AFUDC estimate but that was omitted from the project cost and AFUDC was applied consistent with all other capital projects.

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D. Schultz

Budget Category: 41

Prepared By: R.J. Scandariato

Budget Group: Common: Non-I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Newburgh - New Facility

Work Order #:

				-	
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Funding Project Description: Newburgh - New Facility

Funding Project Number:

10080

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2020

In-Service: 12/31/2030

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:

Construct a new facility specifically suited to meet the operational need of a district headquarters. This new facility will be sited on a larger parcel of property located in an area that will allow for safer access for both employees and customers.

Describe specific scope exclusions, assumptions and constraints:

Alternate parcel evaluations are ongoing. How to divest the current Newburgh facility is not included in this project.

B. ALTERNATIVES

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

Rehabilitating the current facility.

Why was the proposed project scope chosen over other alternatives?

The report demonstrated multiple deficiencies of the current location and one of the major issues is being immediately downstream of the Washington Lake dam if it were to fail.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
Discretion Level: Non-Discretionary

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

Needs Assessment: Strategic Goal

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 facility for the Newburgh Operating District lacks space for the current needs (both indoor and outdoor), is in flood zone in the event of failure of Washington Lake dam and has deficiencies within the building.

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

N/A

For the following strategic alignment questions, 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 safety and security culture

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

Employee Engagement LEQ & PEQ

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:

Checklist Fully Completed: Yes

Environmental Component: Yes

Social Component: Yes

Governance Component: Maybe - Requires further scope development

Is complete Sustainability status achieved by this project?* Maybe - Requires further scope development

* 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? 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?

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

This project has been deferred to later in the 5 year plan but is a necessary project to maintain quality long-term service in the Newburgh area.

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

increasing O&M costs, accidents on property due to space limitations, major damage to the facility, vehicles, material, and people if catastrophic failure of dam were to occur and continued monitoring of existing enviromental situation on the site.

Is this Project in Central Hudson's current approved rate case?

No

Is this Project tied to a regulatory requirement?

Yes

Provide safe and reliable electric service to all customers

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?

Yes

Improving the Newburgh facility will allow crews to repsond to emergencies faster

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

Yes

Moving away from the current location reduces risk of dam failure destroying the facility

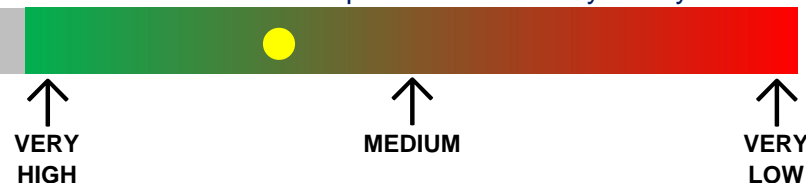
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

Yes

A new facility away from the dam and existing enviromental concerns on the site will improve overall safety of anyone at the location.

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	24,465,000	215,000			500,000	1,750,000	7,000,000	15,000,000
	Inflation	893,000				32,000	145,000	716,000	
	AFUDC*	898,000				12,000	97,000	789,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		26,256,000	215,000	0	0	544,000	1,992,000	8,505,000	15,000,000
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0

* AFUDC may require adjustment after Finance Department 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: 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): Low Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

← Formulas give standard ranges
per estimate level, but may be
overwritten if desired.

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

The programing for the project is not done so the scope isnt defined yet. In addition the project is planned for several years into the future so market impact on the cost is unknown

Basis for estimate: Vendor Generated Cost Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

Yes

E. ADDITIONAL 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):

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D. Schultz

Budget Category: 41

Prepared By: R.J. Scandariato

Budget Group: Common: Non-I.T./O.T.

Current Life-Cycle Phase: 2 Design

A. GENERAL

Project/Program Name: Paving

Work Order #:

-

Funding Project Description: Paving

Funding Project Number: 4-4112-01-08

Is this a Specific Project, Program or Blanket? Blanket

Target Schedule - Start: 1/1/2025

In-Service: 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:

Funding allocated to facilitate necessary paving projects at all Central Hudson facilities as needed to maintain safe and functional parking lots and roadways.

Describe specific scope exclusions, assumptions and constraints:

N/A

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: Growth Sustaining
Discretion Level: Maintain System Standards
Investment Type: Infrastructure
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? No

Describe the justification for this project. If helpful you may include planning studies or other pertinent documents as attachments.

Asphalt has a finite life and requires replacement once deterioration begins in order to maintain a safe surface for vehicles and pedestrians.

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

Poor asphalt results in potholes and potential low spots. Both scenarios could lead to trips, slips (in winter), and damage to vehicles.

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

[CLICK HERE](#)

Which Strategic Theme does project most align with?

DOES NOT ALIGN WITH ANY STRATEGIC THEME

Which Strategic Objective does project most align with?

Improve safety and security culture

Which Strategic Initiative does project most align with?

DOES NOT ALIGN WITH ANY STRATEGIC INITIATIVE

Which Team Goal does project most align with?

DOES NOT ALIGN WITH ANY TEAM GOAL

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:** No

Social Component: No

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.*

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?

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

N/A

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

Having deteriorated asphalt at company properties.

Is this Project in Central Hudson's current approved rate case?

No

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

Asphalt in poor condition could lead to injury or damage to vehicles

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

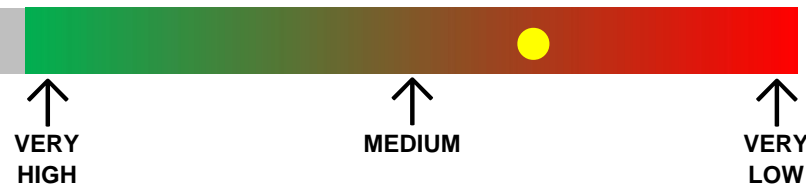
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

Yes

Asphalt in poor condition could lead to injury

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.					
\$1,982,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
ADDITIONS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	1,625,000		325,000	325,000	325,000	325,000	325,000	
	Inflation	101,000		7,000	14,000	20,000	27,000	33,000	
	AFUDC*	83,000		5,000	15,000	8,000	18,000	37,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,809,000	0	337,000	354,000	353,000	370,000	395,000	0
REMOVALS	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	173,000		33,000	34,000	35,000	35,000	36,000	
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		173,000	0	33,000	34,000	35,000	35,000	36,000	0
* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): High Confidence

No further estimate range is required.

Cost Estimate Range: Minimum (\$): 1,585,600 Maximum (\$): 2,378,400

No explanation on confidence level required.

← Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D. Schultz

Budget Category: 41

Prepared By: R.J. Scandariato

Budget Group:

Common: Non-I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Kingston Retaining Wall Replacement (Front)

Work Order #:

-

Funding Project Description: MINORS - SOUTH ROAD LAND & BUILDING

Funding Project Number:

4-4111-00-18

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 9/15/2025

In-Service: 12/31/2026

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 retaining wall along Katrin Ln in front of the Kingston Office has been evaluated by an engineer and is showing signs of deterioration and has been recommended for replacement.

Describe specific scope exclusions, assumptions and constraints:

Engineering has not yet begun so full scope is undefined.

B. ALTERNATIVES

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

None.

Why was the proposed project scope chosen over other alternatives?

The wall is showing signs that it is beyond repair.

C. JUSTIFICATION

Load Based/Infrastructure:	Infrastructure
Discretion Level:	Non-Discretionary

Growth/Sustaining/Retirement: Not Applicable
Investment Type: Infrastructure
Is there an Innovation Component? No

Needs Assessment: Safety

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 retaining wall along Katrine Ln in the front of the Kingston Office has been evaluated by an engineer and is showing signs of deterioration and has been recommended for replacement.

Describe any quantifiable benefits (such as monetary benefits/business case, operational cost savings, cost avoidance, etc.)
Replacement prior to failure would avoid emergent costs and would eliminate the potential injury or equipment damage resulting from a failure.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document: [CLICK HERE](#)

Which <u>Strategic Theme</u> does project most align with?	DOES NOT ALIGN WITH ANY STRATEGIC THEME
Which <u>Strategic Objective</u> does project most align with?	Improve safety and security culture
Which <u>Strategic Initiative</u> does project most align with?	Transform Safety Culture
Which <u>Team Goal</u> does project most align with?	DOES NOT ALIGN WITH ANY TEAM GOAL

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)*

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:	No
		Social Component:	No
		Governance Component:	Yes

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.

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?

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

Proactive replacement before failure of the wall

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

Employee or public injury, damage to equipment, and loss of physical security to the Central Hudson site in that area.

Is this Project in Central Hudson's current approved rate case? No

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

If wall were to fail there would be costs incurred

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.)? Yes

The wall is adjacent to a local street. Ensuring it is structurally sound will reduce risk of failure.

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes

Failure of the wall could put employees, contractors or public in risk of injury.

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

↑
MEDIUM

↑
VERY
LOW

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$2,284,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	2,000,000		0	2,000,000	0	0	0	
	Inflation	86,000			86,000				
	AFUDC*	94,000			94,000				
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		2,180,000	0	0	2,180,000	0	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	104,000			104,000				
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		104,000	0	0	104,000	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

The project has not been designed so the full scope of the project is unknown at this point.

← Formulas give standard ranges
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?

No

E. ADDITIONAL 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):

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D. Schultz

Budget Category:

41

Prepared By: R.J. Scandariato

Budget Group:

Common: Non-I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Pok- Bld 800 Freight Elevator Replacement

Work Order #:

-

Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number:

to be determined

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2029

In-Service: 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:

The Freight Elevator in building 800 is the oldest elevator at Central Hudson an past its useful life. Parts are not available and technicians are becoming more unfamiliar with the system. This project will replace the elevator with a modern unit.

Describe specific scope exclusions, assumptions and constraints:

Programming for specific project needs has not yet been completed.

B. ALTERNATIVES

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

Remove from service and don't replace.

Why was the proposed project scope chosen over other alternatives?

The freight elevator is frequently used each day by maintenance, cleaning and cafeteria staff to not impact the normal traffic of employees using the other elevators. Retiring wihtout replacement will cause larger carts and equipment to take up space in passenger elevators.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
Growth/Sustaining/Retirement: Not Applicable
Discretion Level: Maintain System Standards
Investment Type: Infrastructure
Is there an Innovation Component? No

Needs Assessment: Service

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.

Reliable service and less down time if breakdown were to occur.

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

Lower O&M cost for the older equipment.

For the following strategic alignment questions, 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?

Grow invested capital

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

Employee Engagement LEQ & PEQ

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)

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:** Maybe - Requires further scope development

Social Component: No

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.

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?

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

To replace the equipment before an unreparable issue were to occur.

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

Higher O&M costs and potential long duration without freight elevator.

Is this Project in Central Hudson's current approved rate case?

No

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

The capital investment in this project should reduce the repair costs and frequency of breakdowns.

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

This project will keep maintenance, cleaner and cafeteria traffic out of passenger elevators

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

No

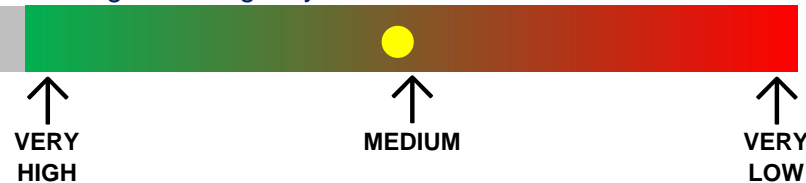
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

Yes

A new reliable elevator provides an additional means of egress during an emergency

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$1,298,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	1,000,000					1,000,000		
	Inflation	102,000					102,000		
	AFUDC*	113,000					113,000		
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		1,215,000	0	0	0	0	0	1,215,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	75,000						75,000	
	Inflation	8,000						8,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		83,000	0	0	0	0	0	83,000	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

← Formulas give standard ranges per estimate level, but may be overwritten if desired.

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Full scope has not yet been developed and market impact on cost and schedule is unknown multiple years into the future.

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?

No

E. ADDITIONAL 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):

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D. Schultz

Budget Category: 41

Prepared By: R.J. Scandariato

Budget Group: Common: Non-I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Solar Systems on Company Facilities

Work Order #:

				-	
--	--	--	--	---	--

Funding Project Description: Solar System on Company Facilities

Funding Project Number:

10567

Is this a Specific Project, Program or Blanket? Program

Target Schedule - Start: 6/1/2024

In-Service: 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:

Funding allocated to facilitate the installation of solar generation infrastructure at Central Hudson facilities.

Describe specific scope exclusions, assumptions and constraints:

N/A

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: Other
 Discretion Level: System Enhancements

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

Needs Assessment: Strategic Goal

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.

Installation of local solar generation at Central Hudson facilities will decrease the dependance on the grid, lowering costs for customers as well as supporting NYS renewable generation goals.

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

All electricity generated would offset the need to purchase that amount of energy improving capacity of the grid.

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

[CLICK HERE](#)

Which **Strategic Theme** does project most align with?

Energy Leadership

Which **Strategic Objective** does project most align with?

Improve system performance and resilience

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

Group Expense

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)

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:

Maybe - Requires further scope development

Governance Component:

Yes

Is complete **Sustainability** status achieved by this project? * Maybe - Requires further scope development

* 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?

N/A

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

To support clean energy policy

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

Operations will continue as they are today

Is this Project in Central Hudson's current approved rate case?

No

Is this Project tied to a regulatory requirement?

Yes

CLCPA

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?

Yes

Any electric generated will offset the need to purchase that amount of energy.

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

The electric is generated with renewable technology which is important to customers

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*

* Prioritization Ranking is intended to be high level and is not intended to differentiate between projects with the same prioritization question responses.

↑
VERY
HIGH

↑
MEDIUM

↑
VERY
LOW

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$3,258,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	2,910,000		168,000	1,790,000	591,000	161,000	200,000	
	Inflation	149,000		3,000	76,000	37,000	13,000	20,000	
	AFUDC*	134,000		3,000	85,000	14,000	9,000	23,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		3,193,000	0	174,000	1,951,000	642,000	183,000	243,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	65,000		8,000	8,000	16,000	16,000	17,000	
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		65,000	0	8,000	8,000	16,000	16,000	-17,000	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

The market price of materials and supply

← Formulas give standard ranges
per estimate level, but may be
overwritten if desired.

Basis for estimate: Vendor Generated Cost Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

Yes

E. ADDITIONAL 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):

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D. Schultz

Budget Category: 41

Prepared By: R.J. Scandariato

Budget Group: Common: Non-I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Tannersville - New Facility

Work Order #:

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Funding Project Description: Tannersville New Facility

Funding Project Number:

10611

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 1/1/2024

In-Service: 12/31/2025

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

6649-H (4-4111-00-18) Land purchase for new facility.

Describe the project objective and scope of work:

The current Tannersville Office is 1 rented bay at the Tannersville Fire House and a small office area. Construct a new facility owned by Central Hudson that meets the operating needs to provide quality customer service for that area for years into the future.

Describe specific scope exclusions, assumptions and constraints:

Purchase of an existing facility and complete modifications/renovations as needed to create an office area, garage and covered material storage areas.

B. ALTERNATIVES

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

Purchase of vacant land was considered for new construction. A commercial realtor was used to evaluate other available commercial properties in that are Tannersville area, but no suitable properties were identified.

Why was the proposed project scope chosen over other alternatives?

Purchase of an existing building is anticipated to be a lower overall cost, have a shorter timeline and has less unknowns regarding permitting.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Growth Sustaining
Investment Type: Daily Operations
Is there an Innovation Component? No

Needs Assessment: Service

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 situation only allows for 1 bucket truck to be parked inside. In addition, the current standard truck is too large for this garage bay. Material is stored outdoors without cover creating additional work to uncover after snow events which can delay crew response to emergencies. The current lease terms allow Central Hudson to be in the fire house through June 2026.

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

Improved efficiency (not digging through snow to get to trucks and material), safety, potential for allowing sleeping bunk for those who may need to stay over in a snow event.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document: [CLICK HERE](#)

Which Strategic Theme does project most align with? Operational Excellence
Which Strategic Objective does project most align with? Improve productivity and efficiency
Which Strategic Initiative does project most align with? Business & Operations Modernization/Transformation
Which Team Goal does project most align with? Employee Engagement LEQ & PEQ

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:

Checklist Fully Completed: Yes **Environmental Component:** Maybe - Requires further scope development
Social Component: Yes
Governance Component: Maybe - Requires further scope development

Is complete Sustainability status achieved by this project?* Maybe - Requires further scope development

** 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?

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

To align with the termination of the lease.

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

Not having a location for the Tannersville Crew to work out of.

Is this Project in Central Hudson's current approved rate case? No

Is this Project tied to a regulatory requirement? Yes

Provide safe and reliable electric service to all customers

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? Yes

Improving the Tannersville facility will allow crews to respond to emergencies faster

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

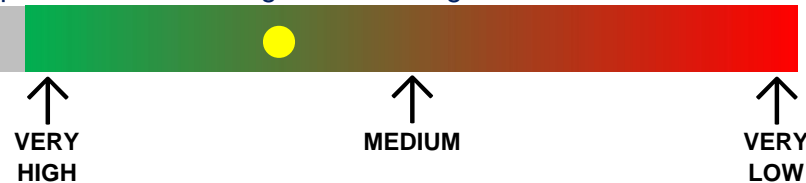
Not having CH resources showing up in a leased space reduces legal risk in the event of an incident

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes

Moving trucks and material under cover will reduce risk of slip/fall/strains resulting from cleaning snow

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$3,189,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	3,080,000	80,000	3,000,000					
	Inflation	64,000		64,000					
	AFUDC*	45,000		45,000					
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		3,189,000	80,000	3,109,000	0	0	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL REMOVALS:		0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

The property has not yet been purchased yet and there is uncertainty about the selling price.

← Formulas give standard ranges 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. ADDITIONAL 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):

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: **2025**

Business Sponsor: D. Schultz
Prepared By: R.J. Scandariato

Budget Category: **41**
Budget Group: Common: Non-I.T./O.T.
Current Life-Cycle Phase: 2 Design

A. GENERAL

Project/Program Name: Training Academy - Annex
Funding Project Description: Linemen and Gas Training Centers
Is this a Specific Project, Program or Blanket? Specific

Work Order #:

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Funding Project Number: 4-4112-04-19
Target Schedule - Start: 7/1/2024 **In-Service:** 12/31/2026

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:
 WO 6227-H: Training Academy - Site Development.

Describe the project objective and scope of work:

Construct an environmentally controlled (indoor) space for the hands on training and development of employees in various departments as outlined by the Workforce, Compensation and Benefits Panel Testimony of the 2021 rate case filing.

Describe specific scope exclusions, assumptions and constraints:

The design of this project will need to be updated to ensure compliance with current building codes and will meet the needs of each department. The budget estimate is based on the current design and a construction schedule of 2025-2026.

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?

This current project scope was developed with operating group's SME's to identify what is necessary to improve training and development of employees.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Growth Sustaining
Investment Type: Daily Operations
Is there an Innovation Component? No

Needs Assessment: Quality

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 Annex is needed to provide a modern facility for employees to learn and maintain necessary skills to provide safe and efficient service to customers in an environmentally controlled space.

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

Construction of the Annex will allow scheduled trainings to be completed regardless of weather conditions.

For the following strategic alignment questions, reference CHG&E's current Strategic Outlook document: [CLICK HERE](#)

Which **Strategic Theme** does project most align with? Organizational Development
 Which **Strategic Objective** does project most align with? Enhance workforce depth and capabilities
 Which **Strategic Initiative** does project most align with? Workforce Development, Attraction, and Retention
 Which **Team Goal** does project most align with? Employee Engagement LEQ & PEQ

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)

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 forecast? Yes

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

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

The number of new employees entering Central Hudson is very high so having a facility to complete training is essential.

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

The training of employees will continue the way it is currently completed. In addition, site plan approval from the Town of Ulster may expire if the project is delayed.

Is this Project in Central Hudson's current approved rate case? No

Is this Project tied to a regulatory requirement? Yes

Ensuring employees are well trained and proficient in their jobs to provide safe and reliable energy

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? Yes

Well trained employees would be less likely to sustain an injury or accident

Does this Project enhance Central Hudson's customer experience or service delivery? Yes

Well trained employees would be more efficient at completing their work for customers

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes

Well trained employees would be less likely to sustain an injury or accident

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes

Well trained employees would be less likely to sustain an injury or accident. In addition collaboration with local first responders will improve

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

↑
MEDIUM

↑
VERY
LOW

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$20,620,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	19,267,000		7,500,000	11,267,000	500,000			
	Inflation	674,000		160,000	482,000	32,000			
	AFUDC*	679,000		135,000	532,000	12,000			
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		20,620,000	0	7,795,000	12,281,000	544,000	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

← Formulas give standard ranges
per estimate level, but may be
overwritten if desired.

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

The timing of construction and the impact that will have on the market pricing of material and labor could impact project cost.

Basis for estimate: Vendor Generated Cost Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

Yes

E. ADDITIONAL 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):

Training Academy Annex-

The Indoor Operations Training Area is a stand-alone structure designed to provide a space for “hands-on” training in a controlled environment for a wide cross section of our workforce. The estimated capital expenditures for this project from category 41 (lands & Buildings) is \$20,620,000.

There are several components that make up the cost estimate for this project as detailed below.

Construction \$15,482,500: A vendor provided estimate to provide construction management services to complete the construction.

Engineering/Architectural \$1,482,604: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the engineering fees were compared to the construction costs and converted to a percent. In addition, a white paper from the division of capital asset management and maintenance of the state of Massachusetts was referenced with guidance for a typical percent of construction costs design would account for. These values were averaged and that percent was applied to the construction estimate.

Testing/Inspection \$49,498: Testing and inspection is an owner provided third party tasked with providing services to ensure design specifications are met. Two recent projects (Building 808 and the Primary Control Center) were analyzed and the testing/inspection fees were compared to the construction costs and converted to a percent.

Commissioning \$150,549: Commissioning is an owner provided third party tasked with ensuring the building systems are functioning as designed. The recent Primary Control Center project was analyzed and the commissioning fees were compared to the construction cost. In addition, the commissioning agent working on the Primary Control Center project was consulted and provided an estimated percentage of construction for commissioning a new building. These values were averaged and that percent was applied to the construction estimate.

Security \$174,952: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the security fees were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate.

Fees \$35,424: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the fees for permits and legal support were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate.

Labor \$68,742: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the labor fees were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate. In addition, labor for building maintenance staff was estimated for expected time spent reviewing and learning the building and equipment.

These values were entered into the Central Hudson “Overhead & AFUDC Calculator” where overheads were calculated (**\$301,812**) and an 8% contingency (**\$1,472,639**) were applied. The calculator also generates an AFUDC estimate but that was omitted from the project cost and AFUDC was applied consistent with all other capital projects.

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D. Schultz
Prepared By: R.J. Scandariato

Budget Category: 41
Budget Group: Common: Non-I.T./O.T.
Current Life-Cycle Phase: 2 Design

A. GENERAL

Project/Program Name: Training Academy - Academy
Funding Project Description: Linemen and Gas Training Centers
Is this a Specific Project, Program or Blanket? Specific

Work Order #:

				-	
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Funding Project Number: 4-4112-04-19
Target Schedule - Start: 1/1/2027 **In-Service:** 12/31/2028

Indicate and summarize any other work orders associated with the overall project, including those of other budget categories:
 WO 6227-H: Training Academy - Site Development

Describe the project objective and scope of work:

Constructing the Training Academy that will provide classroom and meeting spaces for employee training, development, and meetings, as well as community partners and first responders. The Training Academy would also function as an alternate call center to the Poughkeepsie space.

Describe specific scope exclusions, assumptions and constraints:

The design of this project will need to be updated to ensure compliance with current building codes and will meet the needs of each department. The budget estimate is based on the current design and a construction schedule of 2027-2029.

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?

This current project scope was developed with operating group's subject matter experts to identify what is necessary to improve training and development of employees.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
 Discretion Level: System Enhancements

Growth/Sustaining/Retirement: Growth Sustaining
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Quality

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 Training Academy is needed to provide a modern facility for employees and local first responders to learn and maintain necessary skills to provide safe and efficient service to customers.

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

Providing a facility dedicated to training will allow for a more conducive atmosphere for efficient training sessions.

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

[CLICK HERE](#)

Which **Strategic Theme** does project most align with?

Organizational Development

Which **Strategic Objective** does project most align with?

Enhance workforce depth and capabilities

Which **Strategic Initiative** does project most align with?

Workforce Development, Attraction, and Retention

Which **Team Goal** does project most align with?

Employee Engagement LEQ & PEQ

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)

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? 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?

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

The number of new employees entering Central Hudson is very high so having a facility to complete training is essential.

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

Training of employees will continue the way it is currently completed. In addition, site plan approval from the Town of Ulster may expire if the project is delayed.

Is this Project in Central Hudson's current approved rate case?

No

Is this Project tied to a regulatory requirement?

Yes

Ensuring employees are well trained and proficient in their jobs to provide safe and reliable energy

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson?

Yes

Well trained employees would be less likely to sustain an injury or accident

Does this Project enhance Central Hudson's customer experience or service delivery?

Yes

Well trained employees would be more efficient at completing their work for customers

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)?

Yes

Well trained employees would be less likely to sustain an injury or accident

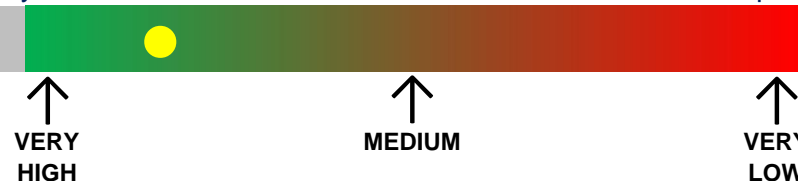
Does this Project improve or enhance safety for Central Hudson employees, contractors or the public?

Yes

Well trained employees would be less likely to sustain an injury or accident. In addition collaboration with local first responders will improve

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.					
		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
\$32,754,000									
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	28,685,000				8,000,000	14,000,000	6,685,000	
	Inflation	2,345,000				501,000	1,160,000	684,000	
	AFUDC*	1,724,000				196,000	775,000	753,000	
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		32,754,000	0	0	0	8,697,000	15,935,000	8,122,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL REMOVALS:		0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: 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): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

The project is planned for several years into the future so market impact on the cost is unknown.

← Formulas give standard ranges
per estimate level, but may be
overwritten if desired.

Basis for estimate: Vendor Generated Cost Estimate

(select all that apply)

Is there documentation that shows how your conceptual or preliminary-level cost estimate was derived?

Yes

E. ADDITIONAL 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):

Training Academy-

The Training Academy project consists of the Indoor Classroom, Lecture Hall, Auditorium, and Conference Center components of the Training Academy Project. This facility would support training and as well as collaboration with local municipal emergency response partners. The estimated capital expenditures for this project from category 41 (lands & Buildings) is \$32,754,000.

There are several components that make up the cost estimate for this project as detailed below.

Construction \$22,803,013: A vendor provided estimate to provide construction management services to complete the construction.

Engineering/Architectural \$2,183,617: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the engineering fees were compared to the construction costs and converted to a percent. In addition, a white paper from the division of capital asset management and maintenance of the state of Massachusetts was referenced with guidance for a typical percent of construction costs design would account for. These values were averaged and that percent was applied to the construction estimate.

Testing/Inspection \$72,901: Testing and inspection is an owner provided third party tasked with providing services to ensure design specifications are met. Two recent projects (Building 808 and the Primary Control Center) were analyzed and the testing/inspection fees were compared to the construction costs and converted to a percent.

Commissioning \$214,640: Commissioning is an owner provided third party tasked with ensuring the building systems are functioning as designed. The recent Primary Control Center project was analyzed and the commissioning fees were compared to the construction cost. In addition, the commissioning agent working on the Primary Control Center project was consulted and provided an estimated percentage of construction for commissioning a new building. These values were averaged and that percent was applied to the construction estimate.

Security \$257,674: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the security fees were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate.

Fees \$52,173: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the fees for permits and legal support were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate.

Labor \$101,245: Two recent projects (Building 808 and the Primary Control Center) were analyzed and the labor fees were compared to the construction costs and converted to a percent. These were averaged and that percent was applied to the construction estimate. In addition, labor for building maintenance staff was estimated for expected time spent reviewing and learning the building and equipment.

These values were entered into the Central Hudson "Overhead & AFUDC Calculator" where overheads were calculated (**\$321,964**) and an 8% contingency (**\$2,179,278**) were applied. The calculator also generates an AFUDC estimate but that was omitted from the project cost and AFUDC was applied consistent with all other capital projects.

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: D. Schultz

Budget Category: 4210

Prepared By: R.J. Scandariato

Budget Group:

Common: Non-I.T./O.T.

Current Life-Cycle Phase: 1 Planning

A. GENERAL

Project/Program Name: Training Academy, Annex (training Equipment)

Work Order #:

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Funding Project Description: Funding Project Not Yet Assigned

Funding Project Number: to be determined

Is this a Specific Project, Program or Blanket? Specific

Target Schedule - Start: 7/1/2026

In-Service: 12/31/2027

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

Training Academy Annex building

Describe the project objective and scope of work:

This project is to provide the technical equipment within the facility necessary to complete the training curriculum.

Describe specific scope exclusions, assumptions and constraints:

Equipment needs have been identified by operational subject matter experts.

B. ALTERNATIVES

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

none

Why was the proposed project scope chosen over other alternatives?

The intent of the Annex to provide hands on training for employees cannot be accomplished without the equipment.

C. JUSTIFICATION

Load Based/Infrastructure: Infrastructure
Growth/Sustaining/Retirement: Not Applicable
Discretion Level: Maintain System Standards
Investment Type: Compliance
Is there an Innovation Component? No

Needs Assessment: Service; Strategic Goal

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.

In order to execute the goal of enhancing employee training, this equipment needs to be purchased and installed in the Annex.

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

Employees will be well trained and more prepared for addressing real life circumstances.

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

[CLICK HERE](#)

Which Strategic Theme does project most align with?

Operational Excellence

Which Strategic Objective does project most align with?

Enhance workforce depth and capabilities

Which Strategic Initiative does project most align with?

Workforce Development, Attraction, and Retention

Which Team Goal does project most align with?

Employee Engagement LEQ & PEQ

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)

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:

Maybe - Requires further scope development

Social Component:

Yes

Governance Component:

Maybe - Requires further scope development

Is complete Sustainability status achieved by this project?* Maybe - Requires further scope development

** 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?

Why do we need to complete this project in the period requested?
 The timing of this equipment coincides with the anticipated completion of the Annex construction.

What are the risks and consequences of not completing this project?
 There will be a workforce that is not as well trained as they could be.

Is this Project in Central Hudson's current approved rate case? No

Is this Project tied to a regulatory requirement? Yes
 Delivering safe and reliable energy.

Does this Project result in cost avoidance, cost savings, or additional revenue for Central Hudson? Yes
 A well trained workforce will work more efficiently and safer

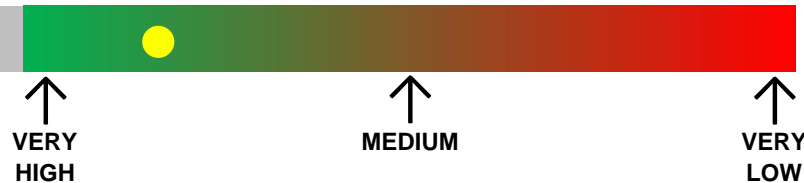
Does this Project enhance Central Hudson's customer experience or service delivery? Yes
 A well trained workforce will work more efficiently providing higher levels of customer service

Does this Project reduce risk, debt, or vulnerabilities (i.e. technology, cybersecurity, legal, infrastructure, etc.)? Yes
 A well trained work force will make less errors and have fewer accidents

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? Yes
 A well trained work force will make less errors and have fewer accidents

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.					
\$2,095,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	2,008,000		320,000	1,305,000	383,000			
	Inflation	87,000		7,000	56,000	24,000			
	AFUDC*	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		2,095,000	0	327,000	1,361,000	407,000	0	0	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		0	0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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: Not included in current PSC-approved budget plan

Cost Estimate Level: Definitive

Cost Estimate Confidence: (that final cost will be within +/-10% of the estimate): Medium Confidence

Cost estimate confidence is not ideal, so please indicate minimum and maximum estimates:

Cost Estimate Range: Minimum (\$): _____ Maximum (\$): _____

Cost estimate confidence is not ideal, so please describe the risks that could significantly impact cost:

Budget was based off of equipment pricing from past years.

← Formulas give standard ranges
per estimate level, but may be
overwritten if desired.

Basis for estimate: Historical Unit Pricing

(select all that apply)

Yes

E. ADDITIONAL 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):

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Stacey Renner

Budget Category: 43

Prepared By: David Schultz

Budget Group:

Common: Non-I.T./O.T.

Current Life-Cycle Phase: 4 Construction

A. GENERAL

Project/Program Name: Tools Budget

Work Order #:

-

Funding Project Description: TOOLS AND WORK EQUIPMENT - SPEC. MI

Funding Project Number:

4-4311-00-18

Is this a Specific Project, Program or Blanket? Program

Target Schedule - Start: 1/1/2025

In-Service: 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:

The "Tools" Capital Forecast provides for both the normal replacement of tools and instruments as well as the addition of any new and/or incremental tooling needs throughout the Company to allow our employees to complete their daily work.

Describe specific scope exclusions, assumptions and constraints:

None

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: Other
 Discretion Level: Non-Discretionary
 Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Reliability

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.

N/A

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

N/A

For the following strategic alignment questions, 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 safety and security culture

Which **Strategic Initiative** does project most align with?

Business & Operations Modernization/Transformation

Which **Team Goal** does project most align with?

All Injury Frequency Rate (AIFR)

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: Maybe - Requires further scope development

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.

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?

N/A

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

N/A

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

N/A

Is this Project in Central Hudson's current approved rate case? **Yes**

In alignment with the the RD.

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.)? **No**

Does this Project improve or enhance safety for Central Hudson employees, contractors or the public? **Yes**

Replaces/updates required tools; enhances worker safety.

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.					
\$8,794,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	8,278,000		1,535,000	1,635,000	1,938,000	1,635,000	1,535,000	
	Inflation	516,000		33,000	70,000	121,000	135,000	157,000	
	AFUDC*	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		8,794,000	0	1,568,000	1,705,000	2,059,000	1,770,000	1,692,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	---
	Salvage CREDIT	0							
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
	TOTAL REMOVALS:		0	0	0	0	0	0	0
* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): High Confidence

No further estimate range is required.

Cost Estimate Range: Minimum (\$): 7,035,200 Maximum (\$): 10,552,800

No explanation on confidence level required.

← Formulas give standard ranges 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?

Yes

E. ADDITIONAL 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):

Tools - Category 43

CAT.	Description	Discretion Level	2025	2026	2027	2028	2029	5-Year Total
43	Tools	Based on 3 year average 2026-2028 includes incremental \$100K/year from Annex tools for Electric and Operation Services; additional \$303K for Gas Operations tools in Annex in 2027 - see p.2 through p.56 for support.	1,535.00	1,535.00	1,535.00	1,535.00	1,535.00	7,675.00
43	Tools		-	100.00	403.00	100.00	-	603.00
43	Subtotal (Without Inflation)		1,535.00	1,635.00	1,938.00	1,635.00	1,535.00	8,278.00
	Total - With Inflation		1,568.00	1,705.00	2,059.00	1,770.00	1,692.00	8,794.00

Gas Training Tools (\$303K in 2027)

Welders	\$ 139,632.00
Plasma Cutters	\$ 20,100.00
Plasma Torch	\$ 12,384.00
Electrode Oven	\$ 6,312.00
ALH Tools (See ALH Quote)	\$ 25,473.06
Fusion Equipment (See IPSCO Quote)	\$ 46,163.18
Welding Tools (See Cryoweld Quote)	\$ 37,302.23
Processors (See PPI Quote)	\$ 8,775.00
Total	\$ 296,141.47
Overall Rounded Estimate	\$ 303,000.00
Rounding	\$ 6,858.53

Electric / Operations Services Tools (\$100K / year for 3 years)

Climbing belts, bucket harnesses and carry bags (30 sets)	48,686.70
Cut away URD transformer "NETS"	1,184.00
Portable Thumper	22,310.00
Hastings Hot Stick Tester	2,440.00
Hastings Hot Stick Tester Racks	744.00
Transformer Training Equipment - In Classroom Version	75,000
AC Hi Pot	9,690.00
DC Hi Pot	8,865.00
Doble TDR900 Analyzer	26,070.00
Contact Parting Time Vangard CT3500	9,210.00
Megger DLRO 600 Ductor	9,910.00
Dilo SF6 Gas Analyzer	30,753.95
Fluke Multi Meter Model 77	509.27
Fluke Clamp on Ammeter	496.68
Fluke Scope Meter 190-504 III	6,789.99
Portable Grounds (Quantity of 6)	3,203.40
Chance Shot Gun Stick	885.83
Salisbury Voltage Detector	755.00
Chance 40' Foreman Stick (Quantity of 2)	1,437.32
Makita Power Tools XT1501	1,899.00
PROTO Master Tool Set	39,401.80
Total	300,241.94
Overall Rounded Estimate	\$ 300,000.00
Rounding	\$ (241.94)



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High Voltage CDS-2010U Cable Fault Locator Surge Generator 20kV

\$22,310.00

Mitchell Part Number: HVI-CDS-2010U

Manufacturer: [High Voltage Inc.](#)



High Voltage PFT-652CM 65KV AC HiPot Test Set

\$9,690.00

Mitchell Part Number: HVI-PFT-652CM

Manufacturer: [High Voltage Inc.](#)

Availability: Typically in stock, Call if Urgent

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https://www.mitchellinstrument.com/high-voltage-inc-model-pft-652cm-65kv-ac-hipot-tester.html?gclid=EAlaIqobChMI_cDSwL_H_gIVkYFbCh1VVwxxEAAYCCABEgLIIdPD_BwE



High Voltage PTS-100 DC HiPot Tester 100KV Output

\$8,865.00

Mitchell Part Number: HVI-PTS-100

Manufacturer: [High Voltage Inc.](#)

Availability: Typically in stock, Call if Urgent

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<https://www.mitchellinstrument.com/high-voltage-inc-model-pts-100-100kv-dc-hipot-tester-meghohmmeter.html>

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Model: **DLRO200-115**

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Regular Price

\$9910.00 USD

Availability

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**FLUKE Digital Multimeter:
CAT IV 600V, Avg, 1,000 V
Max AC Volt Measurement,
6,000, Backlit LCD**

Item 1TFV1 Mfr. Model **Fluke-77 IV**

Calibration Certificate Included **No**

No

Yes

☐ Compare

Product Details Catalog Page [536](#)

Brand	FLUKE
AC Response Calculation	Average
Instrument Safety Rating	CAT IV 600V
Calibration Certificate Included	No
Maximum AC Voltage Measurement	1,000 V
Maximum DC Voltage Measurement	1,000 V
Display Type	Backlit LCD
Instrument Counts	6,000
Maximum AC Current Measurement	10 A
Maximum DC Current Measurement	10 A
Multimeter Style	Full Size

Web Price ⁱ
\$509.27 / each

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1

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Documents

- [Fluke Digital Multimeter Selection Guide](#)
- [Fluke 77IV Technical Data Sheet](#)

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FLUKE

Clamp Meter, Backlit LCD, 400 A, 1.1 in (28 mm) Jaw Capacity

Zoro #: G4573816 Mfr #: FLUKE-325

★★★★★ 4.52 21 reviews [Write a Review](#)



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Key Features

- Promotion Restriction: Not eligible for promotion
- Item: Digital Clamp Meter
- Digital/Analog: Digital
- Max. AC Amps: 400
- Clamp Meter Jaw Style: Clamp On
- Max. DC Volts: 600 V
- Max. Ohms: 40,000
- Jaw Capacity: 1.1 in (28 mm)
- [See full product details](#)

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Fluke 190-504-III - Color ScopeMeter, 500Mhz, 4 Channel

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FLUKE-190-504-III, SCOPEMETER 4 CHANNEL 500MHZ COLOR

- **Number of channels: 4**
 - **Bandwidth: 500 MHz**
 - **Rise time: 0.7 ns**
 - **Number of scope inputs: 4 input channels**
 - **Sampling rate: 5 GS/s (single ch); 2.5 GS/s (2ch); 1.25 GS/s (4 ch)**
 - CAT III 1000 V/CAT IV 600 V safety rated instrument for industrial environments
 - Large, bright color display is easy to view in nearly any environment
 - Deep memory: 10,000 points per trace waveform capture (scope mode)
 - Connect-and-View triggering - intelligent, automatic triggering on fast, slow, or complex signals
 - Easy to store and view historical data and transfer to i
- [View Product Details](#)

Description

Fluke 190-504-III - Color ScopeMeter, 500Mhz, 4 Channel

- Number of channels: 4
- Bandwidth: 500 MHz
- Rise time: 0.7 ns
- Number of scope inputs: 4 input channels
- Sampling rate: 5 GS/s (single ch); 2.5 GS/s (2ch); 1.25 GS/s (4 ch)

Fluke 190 Series III ScopeMeter Test Tools

High performance portable oscilloscopes engineered for harsh environments.

Fluke 190 Series III ScopeMeter Test Tools are engineered to go where you go, and tackle just about any troubleshooting job along the way. These CAT III 1000 V/CAT IV 600V rated test tools combine rugged portability with the high performance of bench oscilloscopes to help you take on the challenges of installing, commissioning and maintaining industrial machinery, automation and process controls, and power conversion electronics with ease from DC to 500 MHz.

Choose from two or four channel models with a wide range of bandwidth

In The Box

- Fluke 190-504 Series III
- Battery charger
- Li-Ion battery pack
- (4) VPS410-II-x probes
- Hang strap
- Hand strap
- USB Cable
- Download info for user manual
- FlukeView-2 demo package (restricted functionality)

Manuals/Guides

Brochures

Chance C4031035 8' Telescoping Grip-All Clampstick "Shotgun"



Handle (Required)

- ☐ Rubber End Cap (standard)
- ☐ Universal Fitting (metal)

~~\$1,058.38~~ **\$885.83**

Estimated Lead Time: 2 weeks

Product Information

Specification

Functionally identical to the single-piece Chance Grip-All Clampsticks but with a telescoping design allowing a single stick to perform the duties of several standard shotguns, saving precious storage space.

Features & Applications

- Tested per OSHA & ASTM F711
- Each size readily locks at variable working lengths
- Operation of the telescoping style is identical to that of the single-piece style
- Design features rotating coupler and an engineered positive-lock button with safety stop to keep sections from parting or hook from releasing while in use
- Mechanism locks sections into a solid, rattle-free tool
- Black head makes it obvious head is not included in minimum approach distance
- Can replace several conventional clampsticks saving limited storage space
- All controls can be easily accessed while wearing gloves

Operation

- Operating mechanism (or "shotgun") incorporates a sliding hand grip that opens the hook to grasp a clamp eyescrew and retract it into the tool head
- Thumb latch must be depressed to release locked hand grip that opens the hook
- For smooth operation, investment-cast stainless steel components include Jaw, Jaw Holder, Safety Stop, Lockbar and Latch
- Lexan® tool head is designed for close-quarter operations
- Worker must maintain recommended work distance based solely on the Epoxiglas® pole section of the handle, as the hook and its actuator are made of metal

- Easy-care Grip-All Clampsticks do not require field stripping to clean
- All insulated parts, including the operating rod, are outside the main pole, readily accessible to wipe dry


N&L Line Equipment tests and fully refurbishes all types of Hotsticks at our location in Poulsbo, WA. For testing and repair services, please see our [sister site](#).

Specifications

Product Code	Lockable Lengths	Retracted Length	Weight	Storage Bag (sold separately)
C4031035	5'6.75", 6'9.5", 8'	5'2.75"	10 lbs	P6436
C4031036	8'6.75", 10'4.5", 12'2.25", 14'	8'2.75"	15 lbs	P6438
C4033060 *	5'10.5", 7'1.25", 8'3.75"	5'6.5"	10 lbs	P6436
C4033061 *	8'10.5", 10'8.25", 12'6", 14'3.75"	8'6.5"	15 lbs	P6438

* Identical to C4031035 and C4031036 but with a universal fitting instead of the rubber end cap


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Web Price *i*
\$16.03 / each



PROTO Master Tool Set: 1,046 Total Pcs,...

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Web Price *i*
\$23,509.04 / each



RACO Electrical Box Cover: Square, 2 Gang...

☐ Compare

Web Price *i*
\$1.44 / each

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SALISBURY High Voltage AC Detector: 240V AC to 230kV AC, Audible/Visual, Audible Alert

Item 5ZV84 Mfr. Model 4356

Web Price *i*
\$755.00 / each

Qty
1

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Expected to arrive Thu. Apr 27.

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Product Details Catalog Page N/A

Voltage Range	240V AC to 230kV AC
Indication	Audible; Visual
Audible Alert	Yes
Battery Type	C
Length	12 in

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Oversized



MAKITA XT1501 18V LXT LITHIUM-ION CORDLESS 15-TOOL COMBO KIT 3.0 AH


SKU: MAKITA-XT1501 MODEL: XT1501

☆☆☆☆☆ | Ask a question

\$1,899.00


The Makita 18V LXT Lithium-Ion cordless 15-piece Combo kit is the ultimate for the pro-user who demands a full range of best-in-class cordless solutions.


Availability: **2-4 weeks**

 Earn 1899 Barn Bucks [Learn More.](#)

- 1 +

ADD TO CART

 Click to expand



4.4 ★★★★★
Google
Customer Reviews

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1142



**PROTO Master Tool Set:
1,258 Total Pcs, Metric, 1/4
in/3/8 in/1/2 in/3/4 in
Socket Drive Size**

Item 7DE34 Mfr. Model 7DE34

☐ Compare

Product Details Catalog Page N/A

Brand **PROTO**

Manufacturer Part Number **7DE34**

Total Pcs **1,258**

Tool Storage Type **Rolling Tool Cabinet**

Measurement Type **Metric**

Socket Drive Size **1/4 in; 3/8 in; 1/2 in; 3/4 in**

Tool Families Included

Cutting Tools; Drivers and Bits; Electrical and Telecom Tools; Inspection and Retrieving Tools; Measuring and Testing Tools; Miscellaneous Tools; Pliers; Putty Knives and Scrapers; Striking and Struck Tools; Wrenches

Pliers Included

- (1) Lineman's Pliers
- (2) Slip-Joint Pliers
- (2) Specialty Pliers
- (3) Diagonal-Cutting Pliers
- (3) Locking Pliers
- (4) Long-Nose Pliers
- (4) Tongue and Groove Pliers

Number of Pliers **19**

Number of Screwdrivers, Keys, and Bits **151**

Web Price ⓘ
\$39,401.80 / each

This item requires special shipping,
additional charges may apply.

Qty
1

Add to Cart

☒ **Ship**

☐ **Pickup**

⚠ Delivery Date Unavailable.

Ship to 12601 | [Change](#)

Shipping Weight **440.1 lbs**
[Ship Availability Terms](#)

[Add to List](#)

Submission Date: June 1, 2024

First Year of 5-Year Budget Period: 2025

Business Sponsor: Stacey Renner

Budget Category: 45

Prepared By: David Schultz

Budget Group: Common: Non-I.T./O.T.

Current Life-Cycle Phase: 4 Construction

A. GENERAL

Project/Program Name: Transportation Budget

Work Order #: -

Funding Project Description: TRANSPORTATION - MINORS

Funding Project Number: 4-4511-00-18

Is this a Specific Project, Program or Blanket? Program

Target Schedule - Start: 1/1/2025

In-Service: 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:

The "Transportation" Capital Forecast includes all vehicles, including light and heavy-duty vehicles, trailers, forklifts, track/earthmoving equipment, and cranes. The Company uses the following industry appropriate criteria for determining the replacement cycle: Light weight vehicles are included on the replacement listing when they are seven years old or have 120,000 miles; Heavy duty vehicles are included on the replacement listing when they are 10 years old or have 10,000 machine hours; and other speciality equipment is specifically included within the Five-Year Capital Plan based on individual assessment.

Describe specific scope exclusions, assumptions and constraints:

None

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: Other
 Discretion Level: Non-Discretionary
 Growth/Sustaining/Retirement: Not Applicable
 Investment Type: Daily Operations
 Is there an Innovation Component? No

Needs Assessment: Reliability

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.
 N/A

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

For the following strategic alignment questions, 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? Enhance workforce depth and capabilities
 Which **Strategic Initiative** does project most align with? Business & Operations Modernization/Transformation
 Which **Team Goal** does project most align with? PSC CAIDI Outage Duration

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: Maybe - Requires further scope development
 Governance Component: Yes

Is complete **Sustainability** status achieved by this project? * Maybe - Requires further scope development

* 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?

N/A

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

N/A

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

N/A

Is this Project in Central Hudson's current approved rate case? Yes

This program received support in the RD.

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

Cost avoidance by eliminating likely repairs on "over-aged" vehicles/equipment by replacing them in accordance with replacement plan.

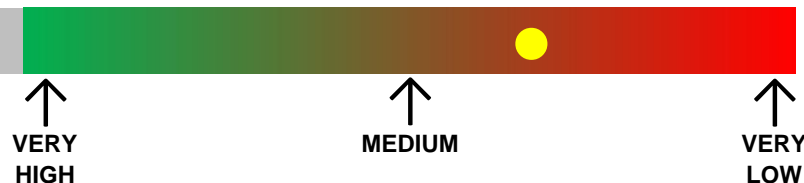
Does this Project enhance Central Hudson's customer experience or service delivery? No

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*

* 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.					
\$63,904,000		TOTAL	Prior Years Actuals + Projections	Year 1 2025	Year 2 2026	Year 3 2027	Year 4 2028	Year 5 2029	Future Years
A D D I T I O N S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	Stock Materials	0							
	A/P Non-Stock Material	0							
	A/P Contractors & Other	63,515,000		12,710,000	12,704,000	12,706,000	12,706,000	12,689,000	
	Inflation	3,965,000		272,000	544,000	796,000	1,053,000	1,300,000	
	AFUDC*	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL ADDITIONS:		67,480,000	0	12,982,000	13,248,000	13,502,000	13,759,000	13,989,000	0
R E M O V E M E N T S	Labor (Weekly Payroll)	0							
	Labor (Monthly Payroll)	0							
	A/P Non-Labor (dumpsters, etc.)	0							
	A/P Contractors	0							
	Overheads	0							
	Journal Vouchers (JVs)	0		---	---	---	---	---	
	Salvage CREDIT	(3,576,000)		(688,000)	(702,000)	(715,000)	(729,000)	(742,000)	
	CIAC Payments CREDIT	0							
	Joint Utility Payments CREDIT	0							
TOTAL REMOVALS:		(3,576,000)	0	(688,000)	(702,000)	(715,000)	(729,000)	(742,000)	0
* AFUDC may require adjustment after Finance Department 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

Cost Estimate Confidence: (that final cost will be within +/-20% of the estimate): High Confidence

No further estimate range is required.

Cost Estimate Range: Minimum (\$): 51,123,200 Maximum (\$): 76,684,800

No explanation on confidence level required.

← *Formulas give standard ranges 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?

Yes

E. ADDITIONAL 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):

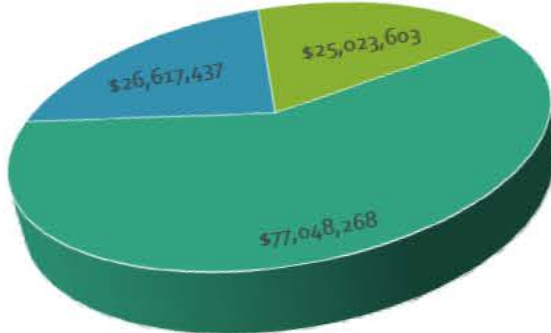
An aerial photograph of a parking lot filled with cars of various colors (white, blue, red, black). A stylized graphic overlay is present on the right side, featuring a green diagonal band and a large orange shape. The title text is positioned on the right side of the image.

Transportation Fleet Attributes and 2025-2029 Plan

Category 45

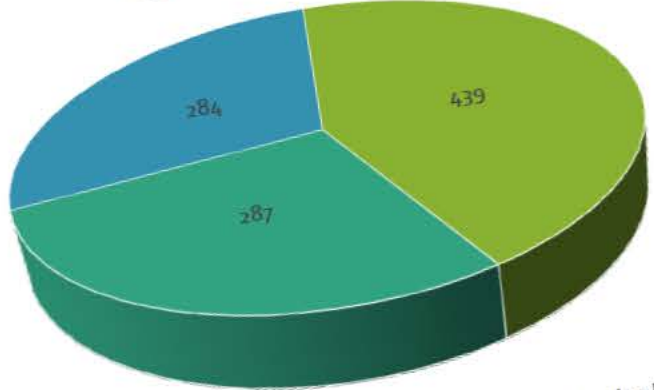
Fleet Attributes

Current Fleet Replacement Value



• Light Duty • Heavy Duty • Trailers/Forklifts/Track/Earthmoving Equipment/Cranes

Current Fleet Counts



• Light Duty • Heavy Duty • Trailers/Forklifts/Track/Earthmoving Equipment/Cranes

	Average Value/Unit	Percentage of Fleet by Count	Percentage of Fleet by Value	Average Age (Years)
Light Duty	\$57,001	43%	19%	6.48
Heavy Duty	\$ 268,461	28%	60%	7.71
Trailers/Forklifts/Track/Earthmoving Equipment/Cranes	\$93,723	28%	21%	11.92
	\$127,415			8.36

Replacement Criteria*

Light Duty

7 Years of Age

or

120,000 miles of service

Heavy Duty

10 years of Age

or

10,000 hours of service

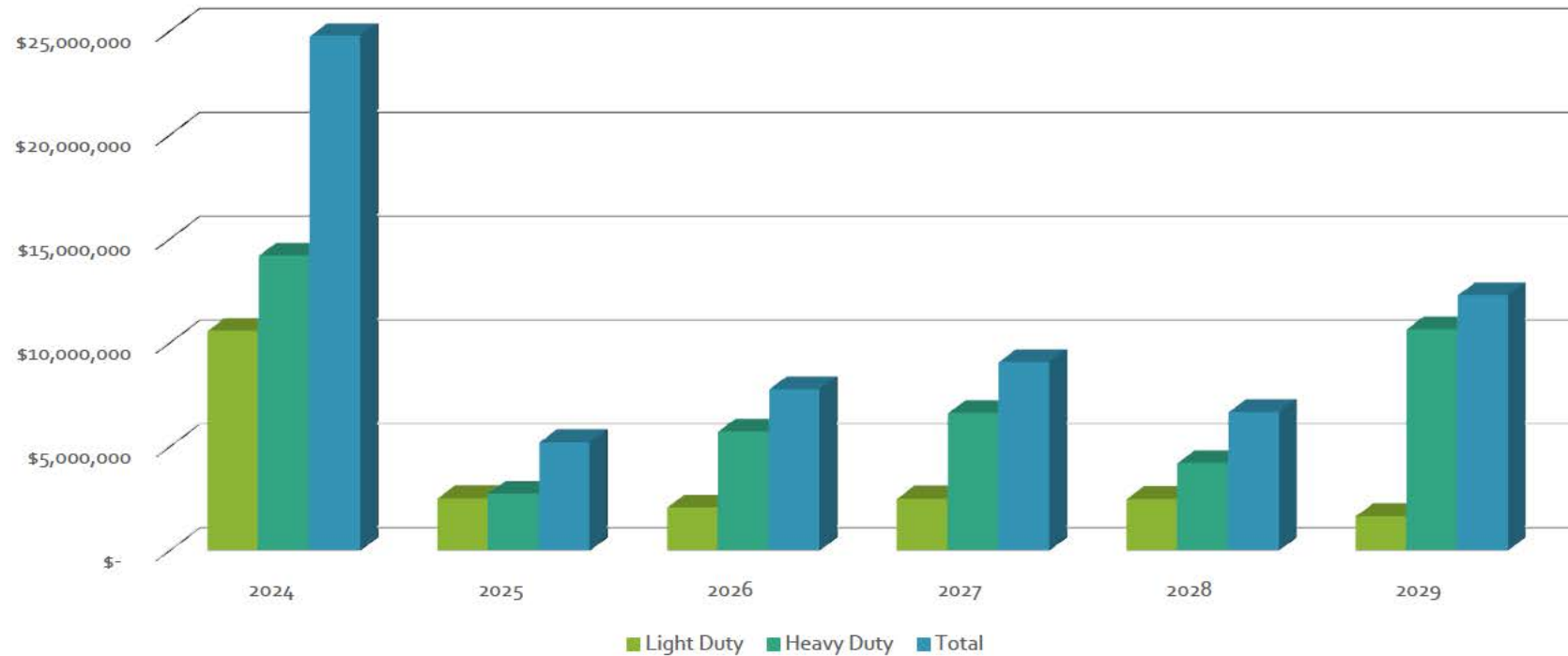
Trailers/Forklifts/Track/Earthmoving Equipment/Cranes

As needed based on individual review

*Policy based on benchmarking with peer utilities, see Appendix A; Repair costs significantly escalate after either of these criteria are surpassed

Funding Requirements

Category 45 Replacement Plan



	2024	2025	2026	2027	2028	2029	Total
Light Duty	\$10,554,291	\$2,484,867	\$2,040,885	\$2,465,430	\$2,450,085	\$1,626,570	\$21,622,128
Heavy Duty	\$14,173,665	\$2,706,858	\$5,698,110	\$6,585,051	\$4,184,070	\$10,628,970	\$43,976,724
Total	\$ 24,727,956	\$5,191,725	\$7,738,995	\$9,050,481	\$6,634,155	\$12,255,540	\$65,598,852

Incremental Needs

	2025	2026	2027	2028	2029	Total
Light Duty EV Premium (25 units @ \$10K / unit)	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
Incremental Attenuator Trucks (3 units/year @ \$175K/unit - DOT Requirement)	\$525,000	\$525,000	\$ -	\$ -	\$ -	\$1,050,000
	\$775,000	\$775,000	\$250,000	\$250,000	\$250,000	\$2,300,000

Note: Any additional unidentified needs that arise during this term would require the replacement schedule to be extended; i.e. vehicles remain in service beyond their replacement schedules.

2025-2029 Plan (1000's)* “Levelized”

	2025	2026	2027	2028	2029	Total
Light / Heavy-Duty Vehicles	\$10,814	\$10,814	\$10,814	\$10,814	\$10,814	\$54,070 ^
Trailers / Forklifts / Track / Earthmoving Equipment +	\$1,120	\$1,115	\$1,642	\$1,642	\$1,625	\$7,144
Incremental Needs (from previous slide)	\$775	\$775	\$250	\$250	\$250	\$2,300
Total without Inflation	\$12,709	\$12,704	\$12,706	\$12,706	\$12,689	\$63,514
Total Proposed Budget with Inflation	\$12,981	\$13,248	\$13,501	\$13,758	\$13,987	\$67,475

* Replacement Criteria satisfied at the end of this 5-year period

^ Total five year spend identified on Slide 5, less the expected 2024 spend of \$11,530,000

+ Based on analysis of equipment in need of replacement over the five-year plan

Replacement Criteria Benchmarking

	Light duty < 19,500	Heavy Duty > 23,500	Medium duty (19,500 - 23,500)	Trailers	Speciality Equipment (backhoes etc.)
Central Hudson	7 years / 120k miles	10 years / 10,000 hours	10 years / 10,000 hours	As needed	Individual review
Utility 1	8 years / 125k miles	10 years / 125k miles	N/A	10-20 years or as needed	10 years
Utility 2	5 years / 100k miles	12 years / 10,000 hours	5 years / 140k miles	15 years or as needed	10 years as needed
Utility 3	10 years / 125k miles	12 years / 125k miles	N/A	20 years or as needed	Individual review
Utility 4	10 years / 150k miles	12 years / 150k miles	10 years / 150k miles	As needed	10 years as needed
Utility 5	7 years / 100k miles	8 years / 150k miles	5 years / 150k miles	9 years or as needed	7 years / 5,000 hours
Utility 6	7 years	6 years	5 years	6 -7 years	8 years