EVERSOURCE

Project Approval Form

Project Title: Salmon Brook Granby New Service DB Development	Project Number: CD02137
Date Prepared: 08/27/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** SPECIFIC PROJECTS-NEW SRVCE
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** No
Project Manager: [redacted]	**Emergency Related Request?** No
Project Sponsor: [redacted]	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 12/31/2024	
Total Capital Request: $913.1K	**Authorization Type:** Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of **$913.1K** which is 188% of the partial funding capital estimate of $486K. There is no scope change on the project. The variance between the full funding and partial funding estimate is due to a variety of different factors:

- [redacted]
  - The full funding amount represents three work orders, 13135113, 16625805 and 16626681.
- The initial funding request called for [redacted] at a total cost of $235,616, [redacted] is still in an estimated status with a total cost of $69,475.
- The main reason this project went over the partial funding estimate is due to inflation, with reclosers increasing by more than 60% relative to their cost in 2020. Labor cost estimates have also been adjusted from when this project was first estimated, and outside services also contributed significantly.
- Please see table below for a high-level comparison of the highest variance cost elements between the full and partial funding requests:

Total (all years)	Full Funding	Partial Funding	Request Difference
Labor	$45K	$41K	+ $5K
Materials	$208K	$112K	+ $96K
Outside Services	$224K	$137K	+ $87K
Removals / Risk and Contingency	$63K	($27K)	+ $90K
Indirects	$372K	$223K	+ $149K
Total	**$913K**	**$486K**	**+ $427K**

The Original Project was presented as follows:

- [redacted]
- [redacted]
- [redacted]
- [redacted]

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2023	2024	Year 3+	Total
Internal Labor and Construction Equipment	0.0	45.0	0.0	45.0
Outside Services	195.6	28.9	0.0	224.4
Materials	8.3	200.1	0.0	208.4
Removals	8.9	13.8	0.0	22.7
Risk and Contingency	0.0	40.5	0.0	40.5
Other	0.0	0.0	0.0	0.0
Subtotal	**212.8**	**328.3**	**0.0**	**541.1**

Indirect Capital Costs	2023	2024	Year 3+	Total
Indirects/Overheads (including benefits)	119.1	253.0	0.0	372.0
Capitalized interest or AFUDC, if any	0.7	-0.7	0.0	0.0
Subtotal	**119.7**	**252.3**	**0.0**	**372.0**
Total Capital Costs (Gross)	**332.5**	**580.6**	**0.0**	**913.1**

Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**

Project Costs (Net of Reimbursement)	**332.5**	**580.6**	**0.0**	**913.1**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

[redacted]

b. Project Need

[redacted]

[redacted]

c. Project Scope

[redacted]

Major Material:

- 600 ft of 336 TW 9 (200 ft per phase)
- 3 - 500 kVA 23/4.8 kV step transformers
- 5 reclosers

4. Alternatives Considered

Option 1 was not chosen because the new DB development would be supplied by the [redacted]

Option 2 was not chosen because it does not address the [redacted]

Option 3 was not chosen because it did not address large customer zones. If addressed, the project cost would rise above the chosen option 4.

Option 4 was chosen, and it addresses the [redacted] together with the lower cost of Option 2. [redacted] would be required under Option 1.

Project Option Comparison

	Option			
[redacted]				
Cost	$104,311	$86,298	$156,631	$913,114
Cost / MVA added	N/A	N/A	N/A	N/A
Cost / CM Saved	N/A	N/A	N/A	$5.14
Cost / CI Saved	N/A	N/A	N/A	$960
Preferred option				X

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	4/23
100% Detailed Engineering Completion	4/23 - 6/23
Construction Start	5/23
In Service Date	12/31/2024

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2023	Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Customer Permission / Siting Council / Municipal approvals	2023	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2023	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.

Internal engineering resources not available to perform the work.	2022	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2023	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2023	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2023	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2023	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.
Wetlands / Environmentally sensitive area	2023	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

N/A

10. Attachments (One Line Diagrams, Images, etc.)

Attachment	Included in Submittal?
A. Partial Funding PAF Form	*YES*
B. Project Needs Statement	*YES*
C. Geographic Map	*YES*
D. System and Station One-Lines	*YES*
E. Recloser Map	*YES*

Operations Project Authorization Form

Project Title: Salmon Brook Granby New Service DB Development	**Project Number: CD02137**
Date Prepared: 11/16/2022	**Company:** Eversource CT
Organization: Electric Field Operations	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** SPECIFIC PROJECTS-NEW SRVCE
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** No
Estimated in service date: 10/1/2023	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? No	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution
Total Gross Capital Request: $486K	**Authorization Type:** Initial Funding

Executive Summary

A new 272 customer DB development is being constructed off Salmon Brook St in Granby, CT. [redacted]

Project Costs Summary

Note: Dollar values are in thousands

Capital Costs	2023	2024	2025	Total
Internal Labor and Construction Equipment	$41	$0	$0	$41
Outside Services	$137	$0	$0	$137
Materials	$112	$0	$0	$112
Removals	$17	$0	$0	$17
Risk and Contingency	($44)	$0	$0	($44)
Other	$0	$0	$0	$0
Subtotal	**$263**	**$0**	**$0**	**$263**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$214	$0	$0	$214
Capitalized interest or AFUDC, if any	$9	$0	$0	$9
Subtotal	**$223**	**$0**	**$0**	**$223**
Total Capital Costs (Gross)	**$486**	**$0**	**$0**	**$486**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Project Costs (Net)	**$486**	**$0**	**$0**	**$486**

Technical Justification:

Project Need, Objective and Justification:

[redacted]

Project Scope:

[redacted]

Major Material:

- 600 ft of 336 TW 9 (200 ft per phase)
- 3 - 500 kVA 23/4.8 kV step transformers
- 5 reclosers

Background:

[redacted]

Alternatives Considered:

Option 1 was not chosen because the new DB development would be supplied by the [redacted] Industry wide material delays makes this option less attractive.

Option 2 was not chosen because it does not address the large customer zones on the [redacted]

Option 3 was not chosen because it did not address large customer zones. If addressed, the project cost would rise above the chosen option 4.

Option 4 was chosen, and it addresses the [redacted] that would be required under Option 1.

Project Option Comparison

	Option
[redacted]	

[redacted]

Cost	$104,311	$86,298	$156,631	$495,690
Cost / MVA added	N/A	N/A	N/A	N/A
Cost / CM Saved	N/A	N/A	N/A	$6.79
Cost / CI Saved	N/A	N/A	N/A	$1,268
Preferred option				X

Regulatory Approvals:

Are Regulatory body approvals needed for the project?

No

If yes, provide detailed regulatory approvals

N/A

Project Schedule

Milestone/Phase Name	Estimated Date
Preliminary Approval	4/23
100% Engineering Completion	4/23 - 6/23
Construction Start	5/23
Testing/Commissioning	9/23
In Service Date	10/23

Risks and Risk Mitigation Plans

If 500 kVA steps are not available, approximately 1,000' of overbuild (23 kV over 5 kV) can be installed to energize the new load.

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2023	Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Customer Permission / Siting Council / Municipal approvals	2023	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2023	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Internal engineering resources not available to perform the work.	2022	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.

Materials Shortage or long lead times	2023	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2023	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2023	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2023	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.
Wetlands / Environmentally sensitive area	2023	Low	Use of mats and specialty equipment, only work during certain times of the year.

References

CD02137 Project Need Statement - Sali

Appendices (One-Line Diagrams, Images, etc.)

Salmon Brook Granby DB Developm

CD02137 One Line.pdf

CD02137 Recloser Map.pdf

CD02137 Load Sheet.xlsx

Attachment B – Project Needs Statement

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02137
Salmon Brook Ganby New DB Development

Work Classification

Category: Line
Type: NB1
Type Desc: SPECIFIC PROJECTS-NEW SRVCE
Work Type:

Ownership / Management

AWC: Tolland
Statewide: No
Owner: [redacted]
Manager:

Project Information

Status: Draft
SPS #:
AIS Score:
Associated Projects:
Assignment ID:
Patrol Find ID:

Budget Summary - Preferred Option

Option 2 with 5 New Reclosers

2023

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
2	[redacted]Line & Install Steps	Prelim	0	24%	$86,298	$86,298
4	[redacted]Zone [redacted]	Prelim	0	24%	$308,265	$308,265
5	[redacted]Zone [redacted]	Prelim	0	24%	$101,126	$101,126
				2023 Total:	$495,690	$495,690
				Total Project:	$495,690	$495,690

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Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	Option 1	1	$104,311	$0	100%	$0.00	$0.00	☐
O2	Option 2	2	$86,298	$0	100%	$0.00	$0.00	☐
O3	Option 3	3	$156,631	$0	100%	$0.00	$0.00	☐
O4	[redacted]	2,4	$394,563	$0	100%	$157.79	$157.79	☐
O5	[redacted]	2,4,5	$495,690	$0	100%	$128.65	$27.52	☑

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
2	[redacted]	$86,298			$0.00	$0.00
4		$308,265			$26.87	$26.87
5		$101,126			$18.86	$1.64
1		$104,311			$0.00	$0.00
3		$156,631			$0.00	$0.00

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Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Background / Scope

Issue:

[redacted]DB development is being constructed on Salmon Brook St which is [redacted]

Project Description:

The project proposes 3 options.

[redacted]

Other Considerations:

Revision / ACT Comments:

If we don't do this project, what will happen?

Environmental

Water Pollution: No Change Soil Contamination: No Change Natural Habitats: No Change

Alternatives considered based on Environmental Impact or Description of Aspects Oil Spill Risks Considered? ☐

Safety Concerns With This Project? ☐

Explain:

Connecticut Light & Power
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Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

External Stakeholders

Customer Impact / Involvement

Cust. Impacted:		Approx. Pole Count (NU):	
Crit. Cust. Impacted:		Approx. Pole Count (Other):	
Adjoining Property Owner Consent Required:	☐	Town Hearing Required:	☐
Other Utility Pole Custodian Area:	☐	Easement Required:	☐
State Highway Permit Required:	☐		

Relocation / New Service

New Srvc. Contact:		Requestor Type:	
Customer Type:		State Highway Project #:	
Request Number:		Route #:	

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Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative CD02137-02

General Information

Segment: 2 - Tap [redacted] Line & Install Steps
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: GRANBY
Budget Year: 2023
Work Type: Other
Trimming Required: ☐
In Service Date: 5/31/2023
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Connecticut Light & Power
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Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative CD02137-02

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$69,595
Contingency Amount:	$16,703
Estimate:	$86,298
Reimbursement:	$0
Net Amount:	**$86,298**

Description:

Item Description	CU	[redacted]	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18		$15,000.00
EQUIPMENT OH - Conversion - CUTOVER	16-OH58		$535.20
OH WIRE OH - Line Extension - 3ph (336 kcmil) from pole 2006 to pole 2658	16-OH33		$20,800.00
SECTIONALIZE OH - Cutouts or Arresters - 3ph Install 100K fuses on pole 2006	16-OH20		$2,315.20
XF OH - Stepdown - 1ph - on POLE Install 500 kVA steps on poles 2576, 2577 and 2578	16-OH49		$20,400.00
SECTIONALIZE OH - Cutouts or Arresters - 3ph Install 65K fuses on pole 2575	16-OH20		$2,315.20
OH WIRE OH - Ampact Connectors - 3ph (6 Ampacts) Install solids on pole 2579	16-OH22		$2,884.00
XF OH - OH XF - 1ph Relocate transformer from pole 2006 to pole 1212	16-OH45		$2,109.60
OTHER OTHER Remove step on pole 2573	16-ALL14		$2,000.00

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Connecticut Light & Power
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Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative CD02137-02

EQUIPMENT OH - Conversion Prep Work - 1ph Transformer on pole 2570	16-OH56	1236.00 / LOC	1	$1,236.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]						

Reliability Projection

Title:

Outage Start Date: 1/1/2007 Outage End Date: 11/7/2022 Years History: 15.86

[redacted]

Connecticut Light & Power
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Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative CD02137-04

General Information

Segmen [redacted] Status: Prelim Design Submitted

Segment Type: RECLOSERS Town: GRANBY Budget Year: 2023

Work Type: BB-Sctnlzng-Reclosers Trimming Required: ☐ In Service Date: 12/31/2023

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative CD02137-04

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$248,601
Contingency Amount:	$59,664
Estimate:	$308,265
Reimbursement:	$0
Net Amount:	**$308,265**

Description:

Item Description	CU	[redacted]	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	16-ALL17		$3,509.60
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18		$12,000.00
SECTIONALIZE OH - Recloser - 3ph	16-OH38		$191,958.40
SECTIONALIZE OH-Vertical Disconnect Switches-600/900 amp 3-1ph	16-OH43		$41,132.80

Associated / Impacted Devices

Status	Type / Sys[redacted]	Notes
Existing	[redacted]	
Existing		

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Specific Project Proposal - Project #: CD02137
Salmon Brook Ganby New DB Development

Design Alternative CD02137-04

Reliability Projection

Title:

Outage Start Date: 11/12/2018 Outage End Date: 11/12/2022 Years History: 4.00

[redacted]

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Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative CD02137-05

General Information

Segment: 5 [redacted] Zone - Install 1 Recloser
Status: Prelim Design Submitted
Segment Type: RECLOSERS
Town: GRANBY
Budget Year: 2023
Work Type: BB-Sctnlzng-Reclosers
Trimming Required: ☐
In Service Date: 12/31/2023
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Connecticut Light & Power
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Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative CD02137-05

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$81,554
Contingency Amount:	$19,573
Estimate:	$101,126
Reimbursement:	$0
Net Amount:	**$101,126**

Description:

Item Description	CU	[redacted]	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	16-ALL17		$3,509.60
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18		$10,000.00
SECTIONALIZE OH - Recloser - 3ph	16-OH38		$47,989.60
SECTIONALIZE OH - Recloser Control - setting changes only	16-OH39A		$9,771.20
SECTIONALIZE OH-Vertical Disconnect Switches-600/900 amp 3-1ph	16-OH43		$10,283.20

Associated / Impacted Devices

Status	Type / Sy[redacted]	Notes
Existing	[redacted]	

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Specific Project Proposal - Project #: CD02137
Salmon Brook Ganby New DB Development

Design Alternative CD02137-05

Reliability Projection

Title:

Outage Start Date: 11/14/2018 Outage End Date: 11/14/2022 Years History: 4.00

[redacted]

Connecticut Light & Power
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Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative CD02137-01

General Information

Segment: 1 - Relocate Steps and Convert
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: GRANBY
Budget Year: 2023
Work Type: Other
Trimming Required: ☐
In Service Date: 5/31/2023
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative CD02137-01

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$84,122
Contingency Amount:	$20,189
Estimate:	$104,311
Reimbursement:	$0
Net Amount:	**$104,311**

Description:

Item Description	CU	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18	$25,000.00
EQUIPMENT OH - Conversion Prep Work - 1ph	16-OH56	$8,652.00
EQUIPMENT OH - Conversion Prep Work - 3ph	16-OH57	$4,120.00
EQUIPMENT OH - Conversion - CUTOVER	16-OH58	$4,816.80
XF OH - Stepdown - 1ph - on POLE 500 kVA Poles 2576, 2577, 2578	16-OH49	$20,400.00
SECTIONALIZE OH - Cutouts or Arresters - 3ph Change 65K to 100Ks pole 2732	16-OH20	$2,315.20
SECTIONALIZE OH - Cutouts or Arresters - 3ph Install 65k fuses ojn pole 2575	16-OH20	$2,315.20
SECTIONALIZE OH - Cutouts or Arresters - 3ph Install solids on pole 2579	16-OH20	$2,315.20
OTHER OTHER Remove 3-500 kVA Steps	16-ALL14	$6,000.00

[redacted]

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Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative			CD02137-01
OTHER OTHER Remove Step pole 2573	16-ALL14	[redacted]	$2,000.00
DB CABLE DB/UG - #1 - 3-1/C (3ph) Al [redacted]	16-UG112		$3,040.00
XF DB/UG - Padmount XF - 1ph Replace [redacted]	16-UG130		$3,147.20

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]						

Reliability Projection

Title:

Outage Start Date: 1/1/2007 Outage End Date: 11/7/2022 Years History: 15.86

[redacted]

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative CD02137-03

General Information

Segment: 3 - [redacted] Double Ckt pole line
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: GRANBY
Budget Year: 2023
Work Type: Other
Trimming Required: ☐
In Service Date: 5/31/2023
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02137

Salmon Brook Ganby New DB Development

Design Alternative CD02137-03

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$126,315
Contingency Amount:	$30,316
Estimate:	$156,631
Reimbursement:	$0
Net Amount:	**$156,631**

Description:

Item Description	CU	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	16-ALL18	$18,000.00
OH WIRE OH - Line Extension - 3ph (336 kcmil)	16-OH33	$104,000.00
SECTIONALIZE OH - Cutouts or Arresters - 3ph Install 100K fuses at pole 2006	16-OH20	$2,315.20
OTHER OTHER Remove step on pole 2573	16-ALL14	$2,000.00

[redacted]

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]						

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02137
Salmon Brook Ganby New DB Development

Design Alternative CD02137-03

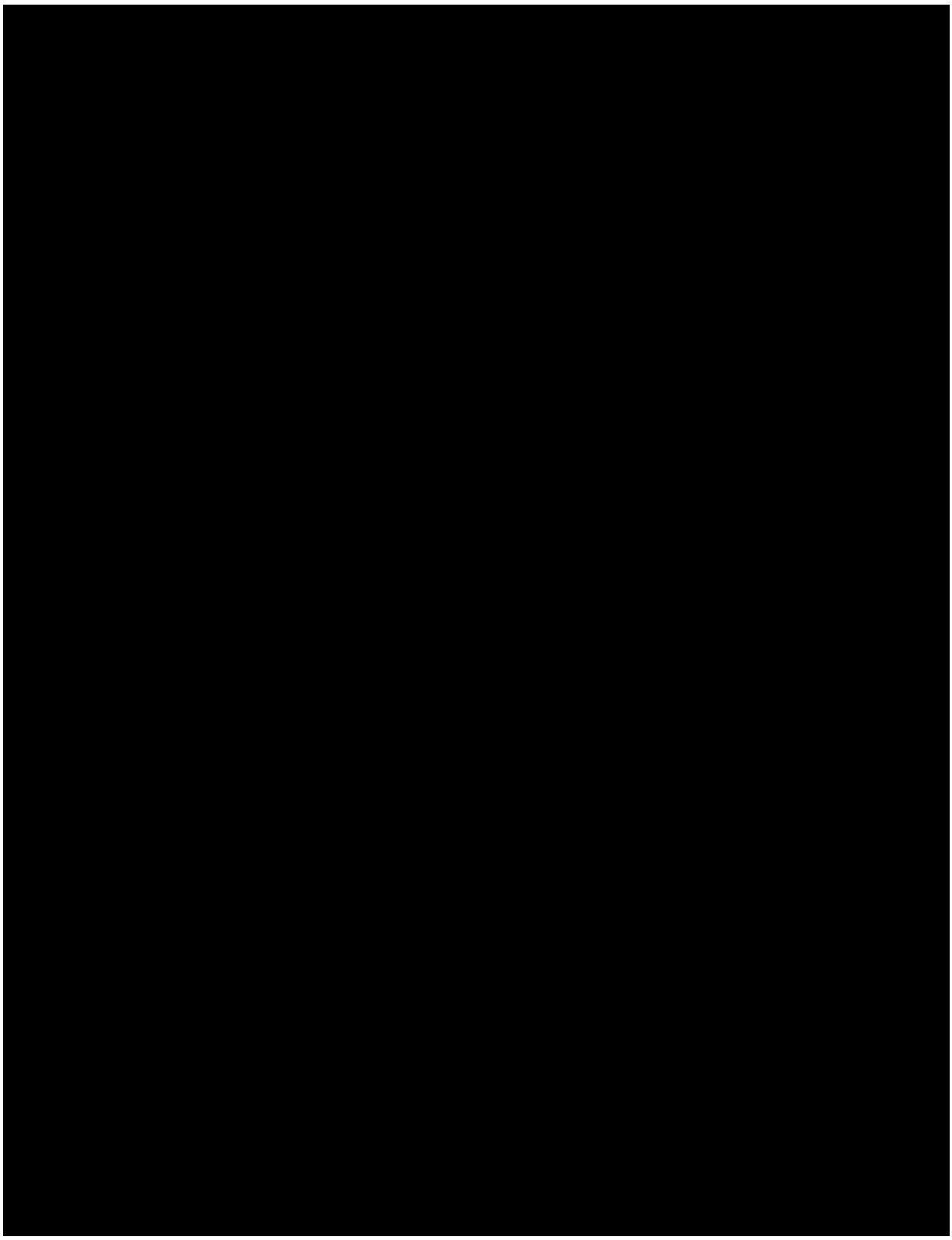
Reliability Projection

Title:

Outage Start Date: 1/1/2007 Outage End Date: 11/7/2022 Years History: 15.86

[redacted]

Attachment C – Geographic Map









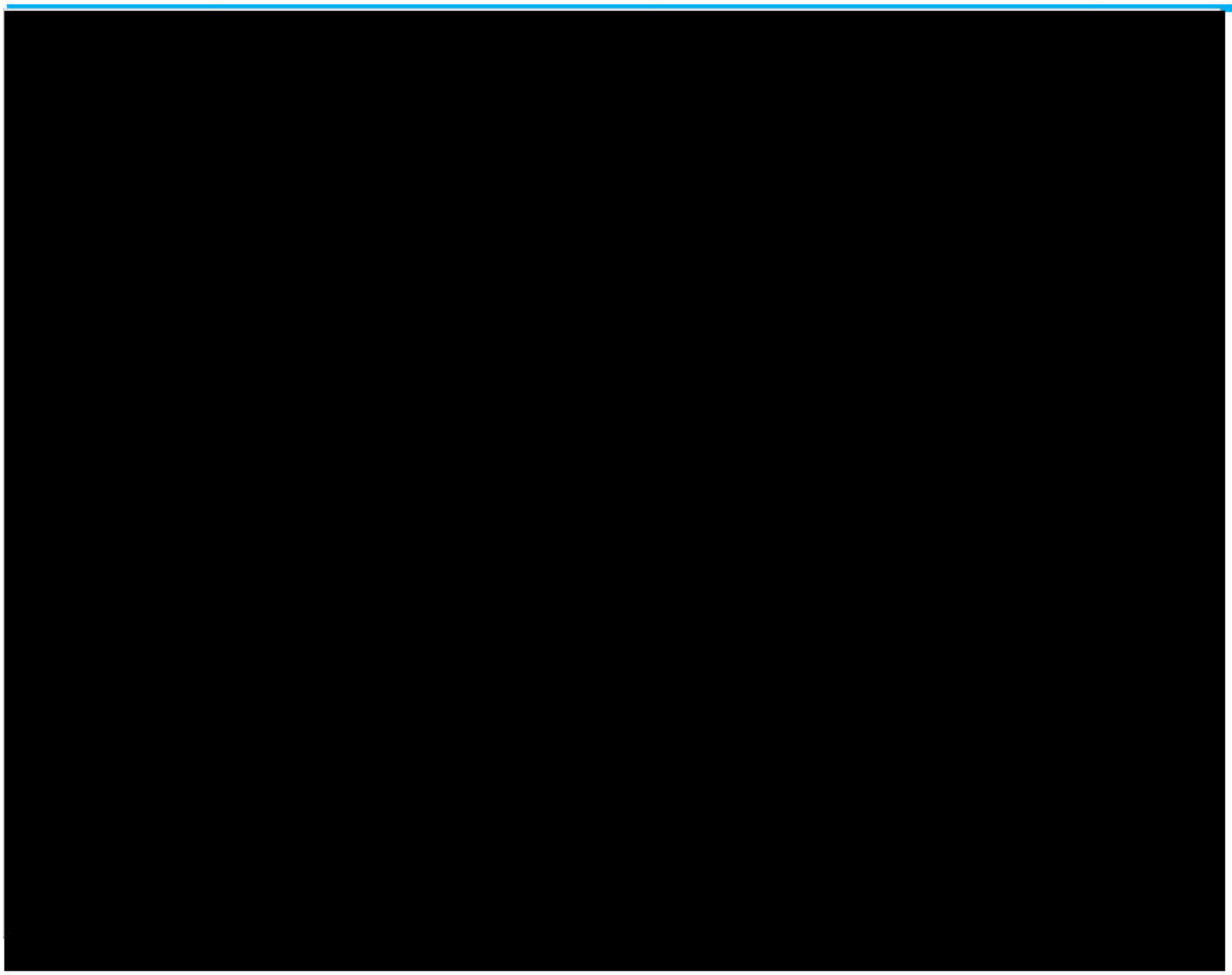
Attachment D – System & Station One-Lines











Attachment E – Recloser Map

