EVERSOURCE

Project Approval Form

Project Title: [redacted] – New Service	**Project Number:** CD01591
Date Prepared: 12/09/2024	**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:** Yes
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: 12/31/2025	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $3,386K ($484.8K reimbursable)	**Authorization Type:** Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of $3,386K which is 133% of the partial funding capital estimate of $2,540K. CD01591 was partially approved on 4/25/2024. There is a slight scope change on the project from what was partially approved – the reconductoring work on Old Kings Highway has been removed, as it was not a key driver for the project. Despite this slight reduction in scope, the overall project cost has increased due to the project being re-baselined based on updated financial estimates in the estimating tool.

This project was presented to provide electrical service to a new development in downtown Darien. The new development consists of ten 3-story and one 5-story mixed-use buildings. There are also three basement level garages. There will be a combination of office, restaurant, and retail spaces on the ground floor and apartments on the 2nd and 3rd floors. One building will consist of 4 townhouses only. [redacted]

Under Part B of Eversource's NB-12 Policy, the anticipated annual distribution company revenue for the new service is $455.414K and then over a period of 6.7 years the anticipated total distribution company revenue equals is $3.05M. The Construction Cost ($1.63M) to update the distribution system (line work in public thoroughfare to create capacity for the new load while adhering to reliability standards) does not exceed the 6.7 times anticipated annual revenue generated ($3.05M); therefore, modifications to the distribution system will be at no cost to the customer under this section.

Under Part C of Eversource's NB-12 Policy, the customer is responsible for providing an advance payment when there is a significant risk that the company's new construction may not be used to the extent specified by the customer. The system upgrade [redacted] Therefore, the customer is responsible to provide an advance payment of $811K dollars (43% of the total amount of $1.63M, including a 16% tax). Per NB-12 policy, Eversource has requested a line of credit letter from the customer for $811K dollars.

Location Information:

- *Division: Western*
- *District: Stamford*
- *City: Darien*

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2024 Actual	2025 Actual	2025 Estimate	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	3.0	66.3	453.6	522.8
Outside Services	0.0	1.0	6.9	8.0
Materials	4.4	98.7	675.7	778.9
Removals	0.3	7.3	59.6	67.2
Risk and Contingency	0.0	0.0	223.1	223.1
Other	0.0	0.1	0.5	0.6
Subtotal – Direct Costs	**7.8**	**173.4**	**1,419.5**	**1,600.7**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	16.0	56.8	1,710.4	1,783.3
Capitalized interest or AFUDC, if any	0.5	1.6	0.0	2.1
Subtotal – Indirect Costs	**16.5**	**58.4**	**1,710.4**	**1,785.3**
Total Gross Capital Costs	**24.3**	**231.8**	**3,129.9**	**3,386.0**
Customer Contribution	**0.0**	**0.0**	**-484.8**	**-484.8**
Total Net Capital Project Costs	**24.3**	**231.8**	**2,645.1**	**2,901.2**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

A new service customer is requesting service for 10-3 story and 1-5-story mixed-use buildings and 3 basement level garages. There will be a combination of office, restaurant, and retail spaces on the ground floor and apartments on the 2nd and 3rd floors. One building will consist of 4 townhouses only. [redacted]

b. Project Need

The new service at Corbin Drive is a new development in Darien. [redacted] This will provide service to 10-3 story and 1-5-story mixed-use buildings and 3

basement level garages. There will be a combination of office, restaurant, and retail spaces on the ground floor and apartments on the 2nd and 3rd floors. One building will consist of 4 townhouses only. [redacted]

[redacted]

c. Project Scope

[redacted]



4. Alternatives Considered

NWS Exclusion Criteria (select all that apply)

☐ Project cost < $250k	☒ New Service
☐ CDOT Relocation	☐ Generator interconnection project
☐ Maintenance, Asset condition or safety related*	

Project is a compliance obligation - no alternatives considered - no financial benefit.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partially Funding	Apr 2024
Fully Funding	Dec 2024
In Service Date	Dec 2025

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2024	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	2024	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2025	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2024	High	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2024	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2025	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.

9. References

References
1. CD01879
2. CD01779

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

Attachment	Included in Submittal?
A1. Partial Funding PAF Form	*YES*
A. Cost Summary	*YES*
B. One-line	*YES*
C. Geographic Map	*YES*
D. Load Sheet	*YES*
E. Corbin 191A-09-1	*YES*
F. Civil Plans Phase 2	*YES*
G. Load Letter	*YES*
H. Revenue Calculation	*YES*

Attachment A1: Partial Funding PAF Form

EVERSOURCE

Project Approval Form

Project Title: [redacted] – New Service	**Project Number:** CD01591
Date Prepared: 04/24/2024	**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: Yes**
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: 06/30/2025	
Total Capital Request: 2,540.1K (Customer Reimbursable: ($484.8K)	**Authorization Type:** Partial Funding

1. Executive Summary

[redacted]

Under Part C of Eversource's NB-12 Policy, the customers are responsible for providing an advance payment when there is a significant risk that the company's new construction may not be used to the extent specified by the customer. [redacted] Therefore, the customer is responsible to provide an advance payment of $589K dollars [redacted]). Per NB-12 policy, Eversource has requested a line of credit letter from the customer for $589K dollars.

Location Information:

Division:Western

District: Stamford

City:Darien

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2024 (Reconductoring Backbone)	Year 2025 (New Service equipment)	Year 2026+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	97.4	68.2	0.0	165.6
Outside Services	279.0	195.3	0.0	474.3
Materials	311.4	218.1	0.0	529.5
Removals	214.9	150.4	0.0	365.3
Risk and Contingency	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**902.7**	**632.0**	**0.0**	**1,534.7**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	554.6	388.3	0.0	942.9
Capitalized interest or AFUDC, if any	36.8	25.8	0.0	62.5
Subtotal – Indirect Costs	**591.4**	**414.1**	**0.0**	**1,005.5**
Total Gross Capital Costs	**1,494.1**	**1,046.1**	**0.0**	**2,540.1**

Customer Contribution	**0.0**	**-484.8**	**0.0**	**-484.8**
Total Net Capital Project Costs	**1,494.1**	**561.3**	**0.0**	**2,055.4**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

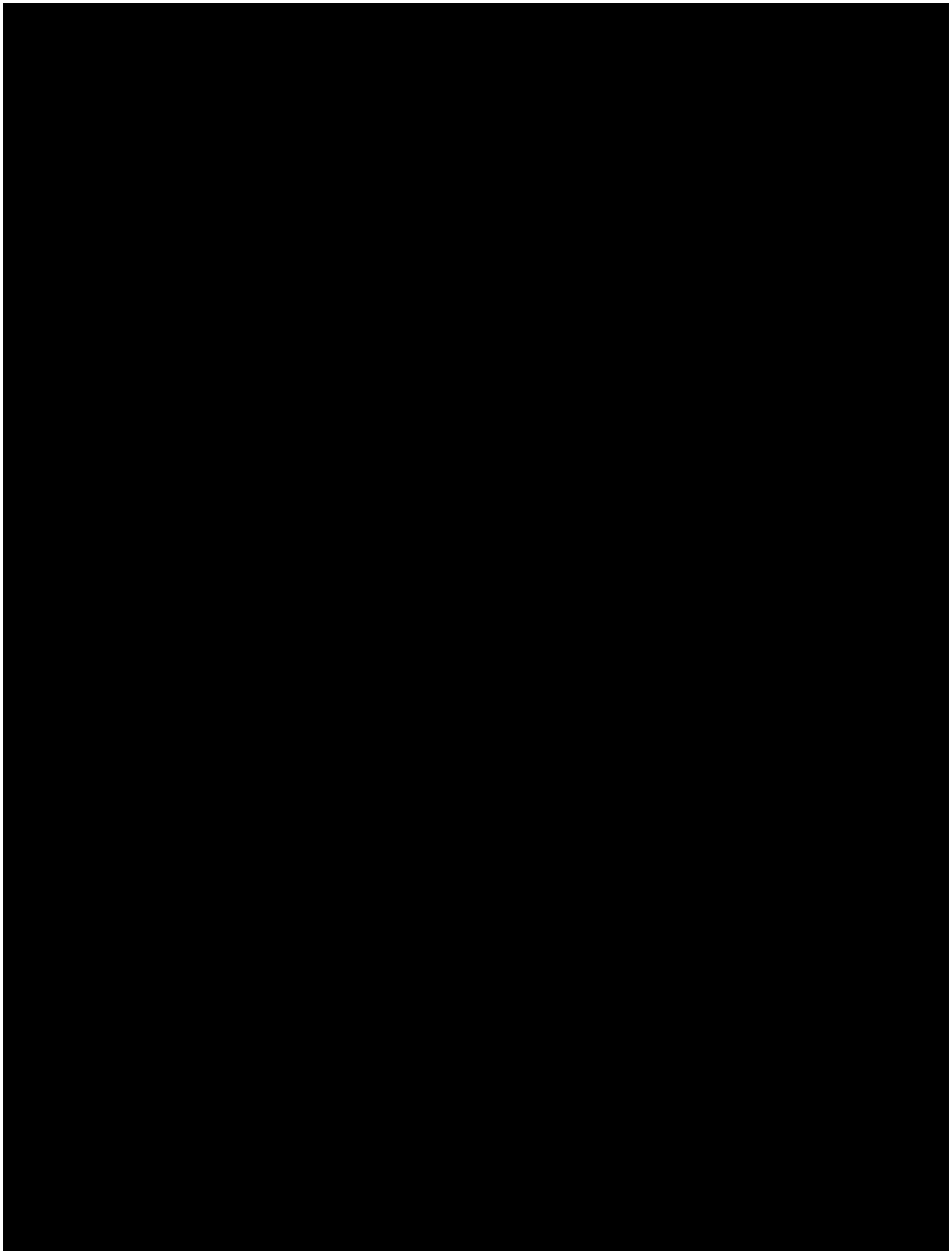
A new service customer is requesting service for 10-3 story and 1-5-story mixed-use buildings and 3 basement level garages. There will be a combination of office, restaurant, and retail spaces on the ground floor and apartments on the 2nd and 3rd floors. One building will consist of 4 townhouses only. [redacted]

[redacted] That work is covered under project CD01879 which was approved for ISD in December 2024. The total cost of the project is 100% reimbursable by the customer.

[redacted]

b. Project Need

The new service at Corbin Drive is a new development in Darien. [redacted]. This will provide service to 10-3 story and 1-5-story mixed-use buildings and 3 basement level garages. There will be a combination of office, restaurant, and retail spaces on the ground floor and apartments on the 2nd and 3rd floors. One building will consist of 4 townhouses only. [redacted]





4. Alternatives Considered

Project is a compliance obligation - no alternatives considered - no financial benefit

5. Project Schedule

Milestone/Phase Name	Estimated Date
100% Engineering Completion	June 2024
Construction Start (Segment 1)- Line work	October 2024
Segment 2 Construction – New service	January 2025
In Service Date	June 2025

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2024	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	2024	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2025	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2024	High	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2024	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2025	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.

9. References

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

Attachment	Included in Submittal?
A. Cost Summary	*YES*
B. One-line	*YES*
C. Geographic Map	*YES*
D. Load Sheet	*YES*
E. Corbin 191A-09-1	*YES*
F. Civil Plans Phase 2	*YES*
G. Load Letter	*YES*
H. Revenue Calculation	*YES*

Attachment A: Cost Summary:

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591 [redacted] New Service

Work Classification

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

Ownership / Management

AWC: Stamford
Statewide: No
Owner
Manager

Project Information

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

Budget Summary - Preferred Option

Phase 2 of New Service

2024

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	[redacted]	Draft	0	24%	$1,368,105	$1,368,105
3		Draft	0	20%	$204,828	$204,828
				2024 Total:	**$1,572,933**	**$1,572,933**

2025

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
2	Segment 2 - New Service-Phase 2	Prelim	0	28%	$1,101,308	$1,101,308
				2025 Total:	**$1,101,308**	**$1,101,308**
				Total Project:	**$2,674,241**	**$2,674,241**

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591[redacted] New Service

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O5	Phase 2 of New Service	1,2,3	$2,674,241	$0	100%	$2,490.03	$1,439.72	☑

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	[redacted]	$1,368,105			$341.22	$193.69
2	Segment 2 - New Service-Phase 2	$1,101,308			$0.00	$0.00
3	[redacted]	$204,828			$51.09	$29.00
4	x	$0			$0.00	$0.00
5	x	$0			$0.00	$0.00
6	x	$0			$0.00	$0.00

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591 [redacted] New Service

Background / Scope

Issue:

Project Description:

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:

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 #:

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591[redacted] New Service

Design Alternative CD01591-01

General Information

Segment: 1 - Segment 1 - [redacted] Status: Draft

Segment Type: LOAD/CAPACITY Town: DARIEN Budget Year: 2024

Work Typ[redacted] Trimming Required: ☐ In Service Date: 12/31/2024

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 #: CD01591

CD0159[redacted] New Service

Design Alternative CD01591-01

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$1,103,310
Contingency Amount:	$264,795
Estimate:	$1,368,105
Reimbursement:	$0
Net Amount:	**$1,368,105**
Description:	

Item Description	CU	$ / Per	Qty	Amount
SWITCHING [redacted]	23-ALL16	[redacted]		$9,131.20
POLE [redacted]	23-UG146			$14,032.72
SECTIONALIZE [redacted]	23-OH38			$187,159.44
UG CABLE [redacted]	23-UG114B			$374,400.00
UG CABLE [redacted]	23-UG117			$78,000.00
SECTIONALIZE [redacted]	23-OH43			$40,104.48
OTHER OTHER [redacted]	23-ALL14			$254,610.00
UG CABLE [redacted]	23-UG114B			$62,400.00
OTHER OTHER [redacted]	23-ALL14	[redacted]		$10,000.00

Asset & Investment Management System 7/11/2024 Page 5 of 18

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591[redacted] New Service

Design Alternative CD01591-01

SECTIONALIZE [redacted]	23-OH44	[redacted]	$53,472.64
TRAFFIC OH/DB/UG - Traffic Control - Police Officer Police & Flagger	23-ALL18		$20,000.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					1081	

Reliability Projection

Title:

Outage Start Date: 7/1/2020 Outage End Date: 7/1/2024 Years History: 4.00

Selected Event Summary

	Non-Storm	Storm	Total
Total Customer Minutes:	94,176	0	94,176
Total Customer Interruptions:	1,246	0	1,246
Total Number of Events:	7	0	7

Improvement Factors

	Default	Override
Cust. Minutes:	30%	
Cust. Intrrpts:	30%	

Calculation Results

	DPU Non-Storm Default	DPU Non-Storm Override	IEEE Non-Storm Default	IEEE Non-Storm Override	ALL Default	ALL Override
Cust. Interruptions Saved:	93	0	44	0	93	0
Cost Per Cust. Intr. Saved:	14,639.97	0.00	31,178.33	0.00	14,639.97	0.00
Customer Minutes Saved:	7,063	0	4,010	0	7,063	0
Cost Per Cust. Min. Saved:	193.69	0.00	341.22	0.00	193.69	0.00

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591 Corbin Dr New Service

Segment CD01591-02

General Information

Segment: 2 - Segment 2 - New Service-Phase 2 Status: Prelim Design Approved

Segment Type: NEW SERVICE Town: [redacted] Budget Year: 2025

Work Type: Other Trimming Required: ☐ In Service Date: 6/30/2025

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1		[redacted]	

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591 [redacted] New Service

Segment CD01591-02

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$860,397
Contingency Amount:	$240,911
Estimate:	$1,101,308
Reimbursement:	$0
Net Amount:	**$1,101,308**
Description:	

Item Description	CU	$ / Per	Qty	Amount
XF [redacted]	23-UG131	[redacted]	[redacted]	$65,511.68
UG CABLE [redacted]	23-UG114			$18,096.00
SECTIONALIZE [redacted]	23-OH38			$62,386.48
SECTIONALIZE [redacted]	23-OH44			$80,208.96
OTHER OTHER [redacted]	23-ALL14			$198,553.00
OTHER OTHER [redacted]	23-ALL14			$1,000.00
OH WIRE [redacted]	23-OH35			$56,160.00
DB CABLE [redacted]	23-UG113			$87,360.00
POLE [redacted]	23-UG146			$14,032.72

Asset & Investment Management System 7/11/2024 Page 8 of 18

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591 Corbin Dr New Service

Segment			CD01591-02
SWITCHGEAR	23-UG126	[redacted]	$257,088.00
[redacted]			
OTHER	23-ALL14		$20,000.00
OTHER Police and Flagger			

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					1081	

Reliability Projection

Title:

Outage Start Date: 1/1/2007 Outage End Date: 12/3/2021 Years History: 14.93

Selected Event Summary

	Non-Storm	Storm	Total
Total Customer Minutes:	0	0	0
Total Customer Interruptions:	0	0	0
Total Number of Events:	0	0	0

Improvement Factors

	Default	Override
Cust. Minutes:	0%	
Cust. Intrrpts:	0%	

Calculation Results

	DPU Non-Storm Default	DPU Non-Storm Override	IEEE Non-Storm Default	IEEE Non-Storm Override	ALL Default	ALL Override
Cust. Interruptions Saved:	0	0	0	0	0	0
Cost Per Cust. Intr. Saved:	0.00	0.00	0.00	0.00	0.00	0.00
Customer Minutes Saved:	0	0	0	0	0	0
Cost Per Cust. Min. Saved:	0.00	0.00	0.00	0.00	0.00	0.00

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591 Corbin Dr New Service

Design Alternative CD01591-03

General Information

Segment: 3 - Segment 3 [redacted] Status: Draft

Segment Typ[redacted] Towr[redacted] Budget Year: 2024

Work Type: [redacted] Trimming Required: ☐ In Service Date: 12/31/2024

Description:

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 #: CD01591

CD01591 [redacted] New Service

Design Alternative CD01591-03

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	20.00%
SubTotal:	$170,690
Contingency Amount:	$34,138
Estimate:	$204,828
Reimbursement:	$0
Net Amount:	**$204,828**
Description:	

Item Description	CU	$ / Per	Qty	Amount
OTHER [redacted]	23-ALL14	[redacted]		$39,390.00
OH WIRE [redacted]	23-OH27			$126,100.00
OH WIRE [redacted]	23-OH37A	[redacted]		$5,200.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					1081	

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591[redacted] New Service

Design Alternative CD01591-03

Reliability Projection

Title:

Outage Start Date: 7/1/2020 Outage End Date: 7/1/2024 Years History: 4.00

Selected Event Summary

	Non-Storm	Storm	Total
Total Customer Minutes:	94,176	0	94,176
Total Customer Interruptions:	1,246	0	1,246
Total Number of Events:	7	0	7

Improvement Factors

	Default	Override
Cust. Minutes:	30%	
Cust. Intrrpts:	30%	

Calculation Results

	DPU Non-Storm Default	DPU Non-Storm Override	IEEE Non-Storm Default	IEEE Non-Storm Override	ALL Default	ALL Override
Cust. Interruptions Saved:	93	0	44	0	93	0
Cost Per Cust. Intr. Saved:	2,191.85	0.00	4,667.91	0.00	2,191.85	0.00
Customer Minutes Saved:	7,063	0	4,010	0	7,063	0
Cost Per Cust. Min. Saved:	29.00	0.00	51.09	0.00	29.00	0.00

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591 [redacted] New Service

Design Alternative CD01591-04

General Information

Segment: 4 - x
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming Required: ☐
In Service Date: 6/30/2025
Description: Phase 2

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 #: CD01591

CD01591 [redacted] New Service

Design Alternative CD01591-04

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$0
Contingency Amount:	$0
Estimate:	$0
Reimbursement:	$0
Net Amount:	**$0**

Description:

Item Description	CU	$ / Per	Qty	Amount

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					1081	

Reliability Projection

Title:

Outage Start Date: 1/1/2007 Outage End Date: 12/6/2021 Years History: 14.94

Selected Event Summary

	Non-Storm	Storm	Total
Total Customer Minutes:	0	0	0
Total Customer Interruptions:	0	0	0
Total Number of Events:	0	0	0

Improvement Factors

	Default	Override
Cust. Minutes:	0%	
Cust. Intrrpts:	0%	

Calculation Results

	DPU Non-Storm Default	DPU Non-Storm Override	IEEE Non-Storm Default	IEEE Non-Storm Override	ALL Default	ALL Override
Cust. Interruptions Saved:	0	0	0	0	0	0
Cost Per Cust. Intr. Saved:	0.00	0.00	0.00	0.00	0.00	0.00
Customer Minutes Saved:	0	0	0	0	0	0
Cost Per Cust. Min. Saved:	0.00	0.00	0.00	0.00	0.00	0.00

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591 [redacted] New Service

Design Alternative CD01591-05

General Information

Segment: 5 - x
Status: Draft
Segment Type: LOAD/CAPACITY
Town [redacted]
Budget Year: 2023
Work Type [redacted]
Trimming Required: ☐
In Service Date: 12/31/2023
Description:

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 #: CD01591

CD01591 [redacted] New Service

Design Alternative CD01591-05

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$0
Contingency Amount:	$0
Estimate:	$0
Reimbursement:	$0
Net Amount:	**$0**
Description:	

Item Description	CU	$ / Per	Qty	Amount

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					1081	

Reliability Projection

Title:

Outage Start Date: 1/1/2007 Outage End Date: 2/22/2022 Years History: 15.15

Selected Event Summary

	Non-Storm	Storm	Total
Total Customer Minutes:	0	0	0
Total Customer Interruptions:	0	0	0
Total Number of Events:	0	0	0

Improvement Factors

	Default	Override
Cust. Minutes:	30%	
Cust. Intrrpts:	30%	

Calculation Results

	DPU Non-Storm Default	DPU Non-Storm Override	IEEE Non-Storm Default	IEEE Non-Storm Override	ALL Default	ALL Override
Cust. Interruptions Saved:	0	0	0	0	0	0
Cost Per Cust. Intr. Saved:	0.00	0.00	0.00	0.00	0.00	0.00
Customer Minutes Saved:	0	0	0	0	0	0
Cost Per Cust. Min. Saved:	0.00	0.00	0.00	0.00	0.00	0.00

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01591

CD01591 [redacted] New Service

Design Alternative CD01591-06

General Information

Segment: 6 - x
Status: Draft
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2024
Work Type: Other
Trimming Required: ☐
In Service Date: 12/31/2024
Description:

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 #: CD01591

CD01591 [redacted] New Service

Design Alternative CD01591-06

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$0
Contingency Amount:	$0
Estimate:	$0
Reimbursement:	$0
Net Amount:	**$0**
Description:	

Item Description	CU	$ / Per	Qty	Amount

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]					1081	

Reliability Projection

Title:

Outage Start Date: 1/1/2007 Outage End Date: 2/22/2022 Years History: 15.15

Selected Event Summary

	Non-Storm	Storm	Total
Total Customer Minutes:	0	0	0
Total Customer Interruptions:	0	0	0
Total Number of Events:	0	0	0

Improvement Factors

	Default	Override
Cust. Minutes:	0%	
Cust. Intrrpts:	0%	

Calculation Results

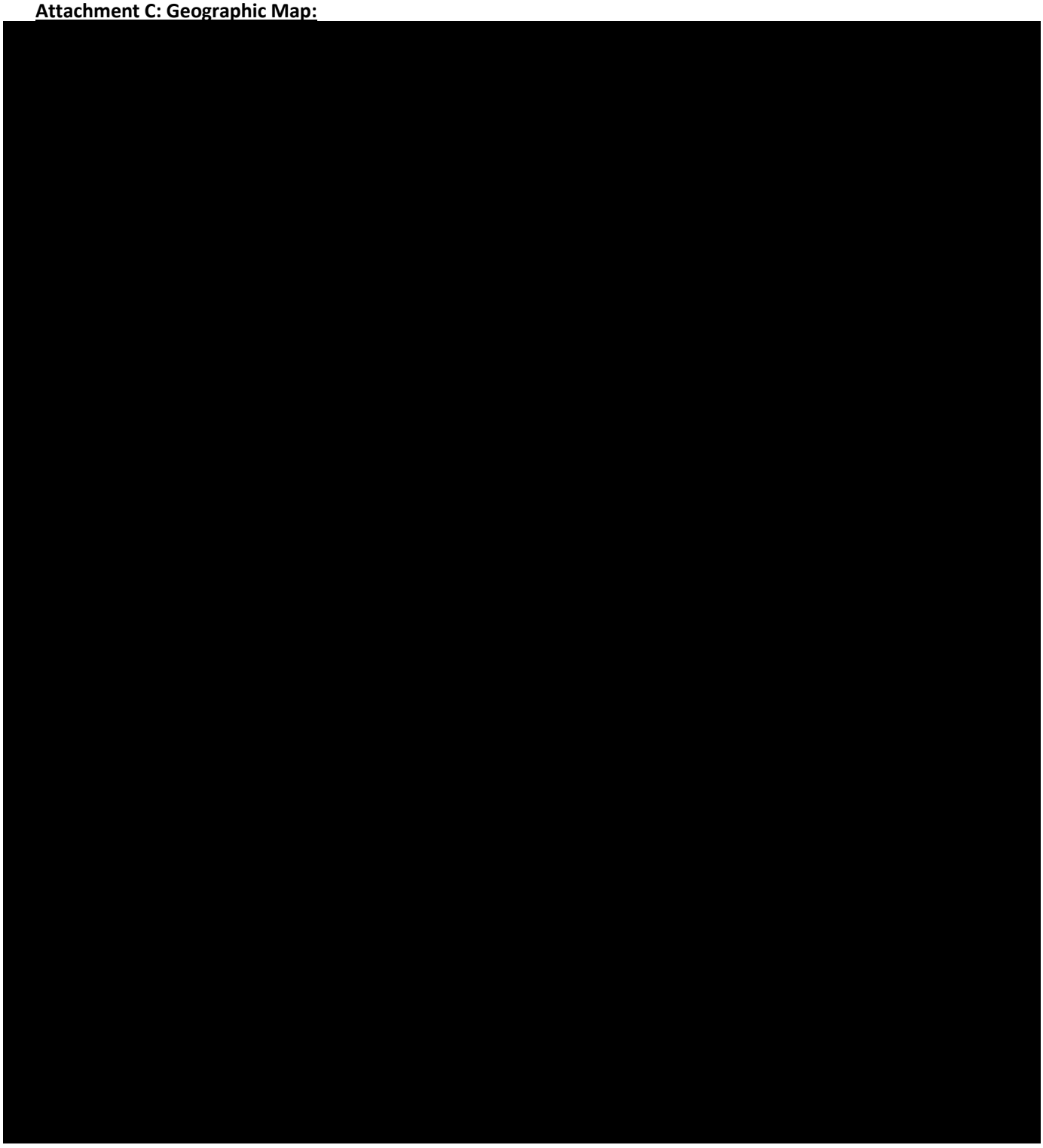
	DPU Non-Storm Default	DPU Non-Storm Override	IEEE Non-Storm Default	IEEE Non-Storm Override	ALL Default	ALL Override
Cust. Interruptions Saved:	0	0	0	0	0	0
Cost Per Cust. Intr. Saved:	0.00	0.00	0.00	0.00	0.00	0.00
Customer Minutes Saved:	0	0	0	0	0	0
Cost Per Cust. Min. Saved:	0.00	0.00	0.00	0.00	0.00	0.00

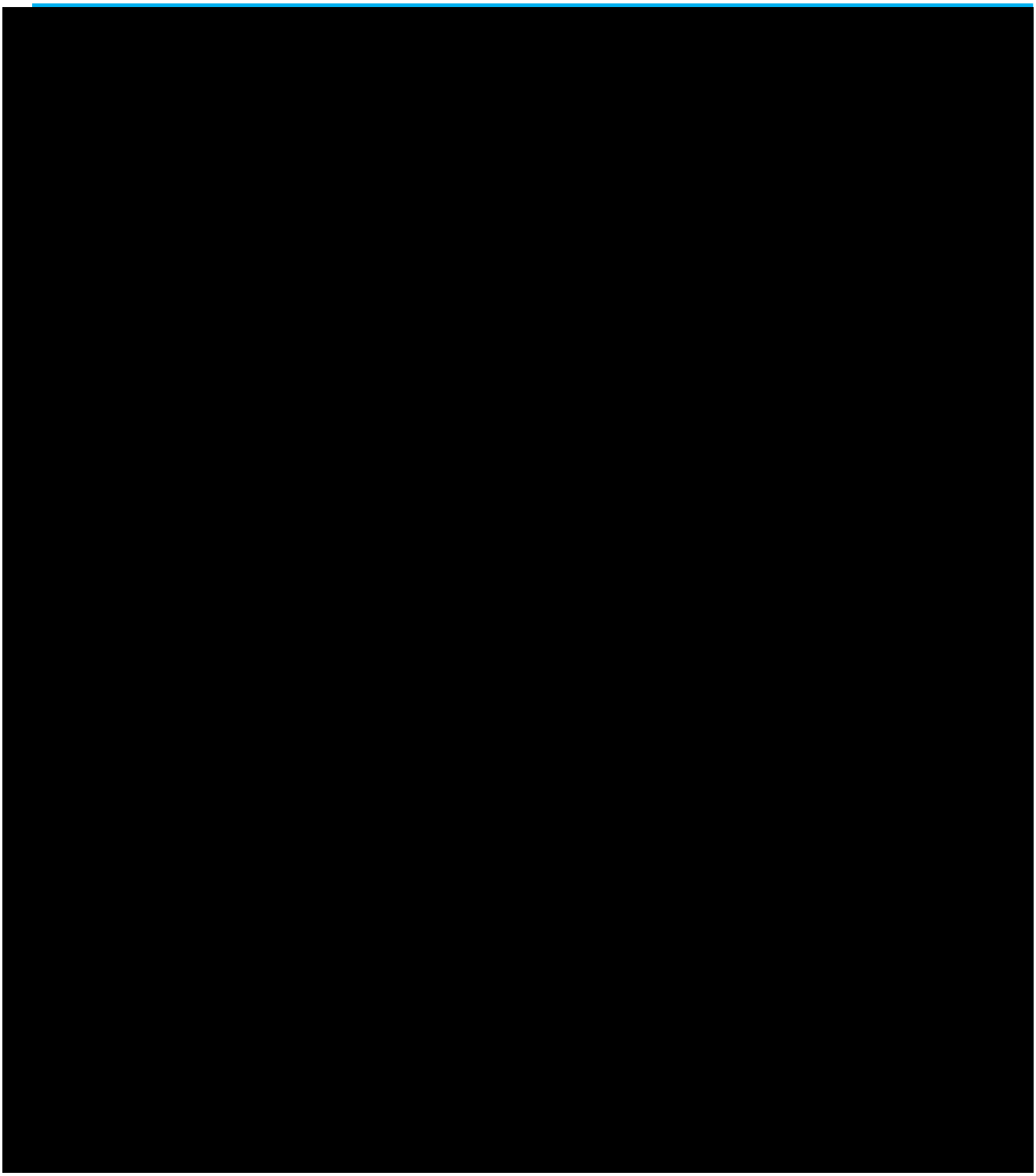
Attachment B: One-line:





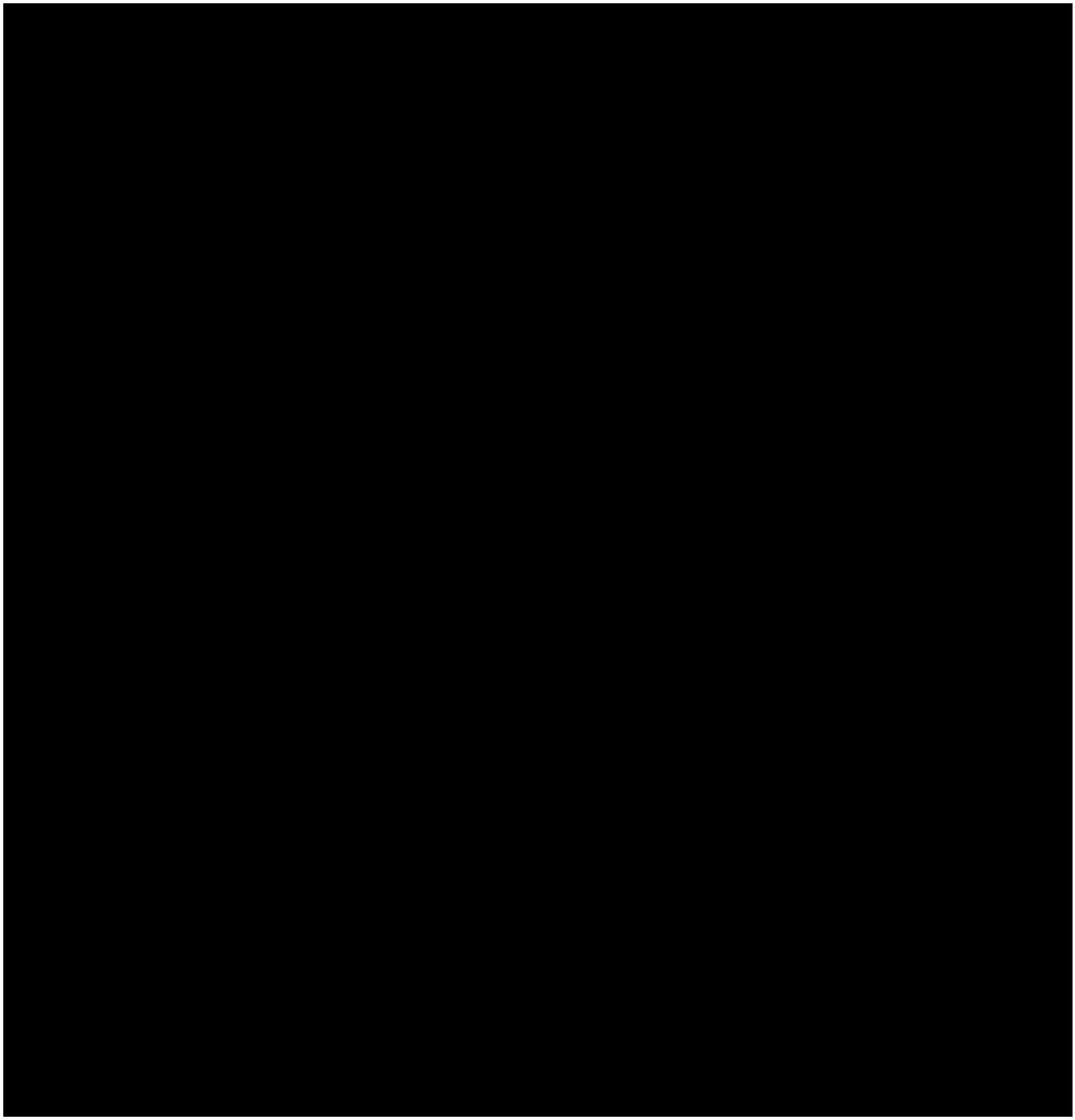
Attachment C: Geographic Map:

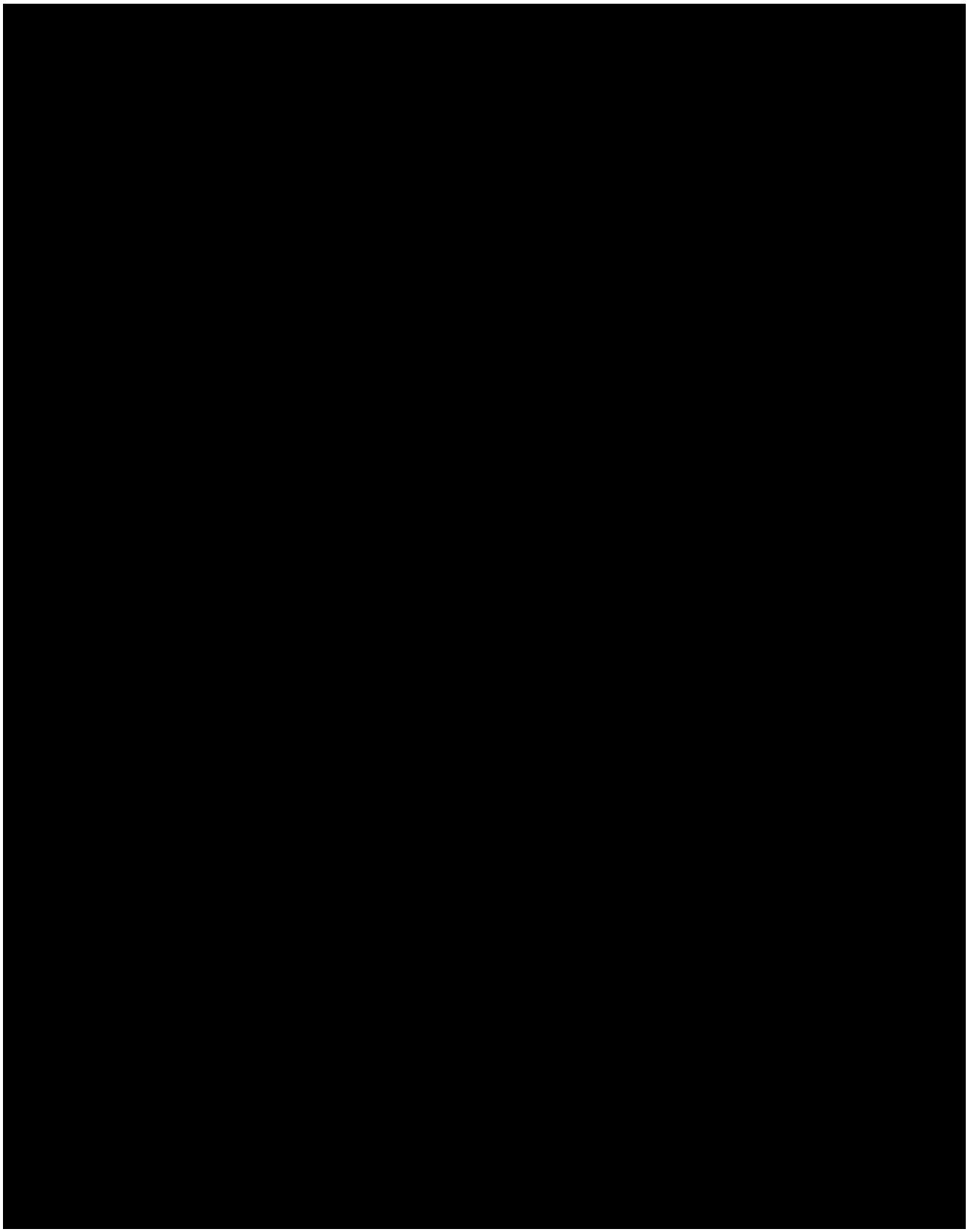




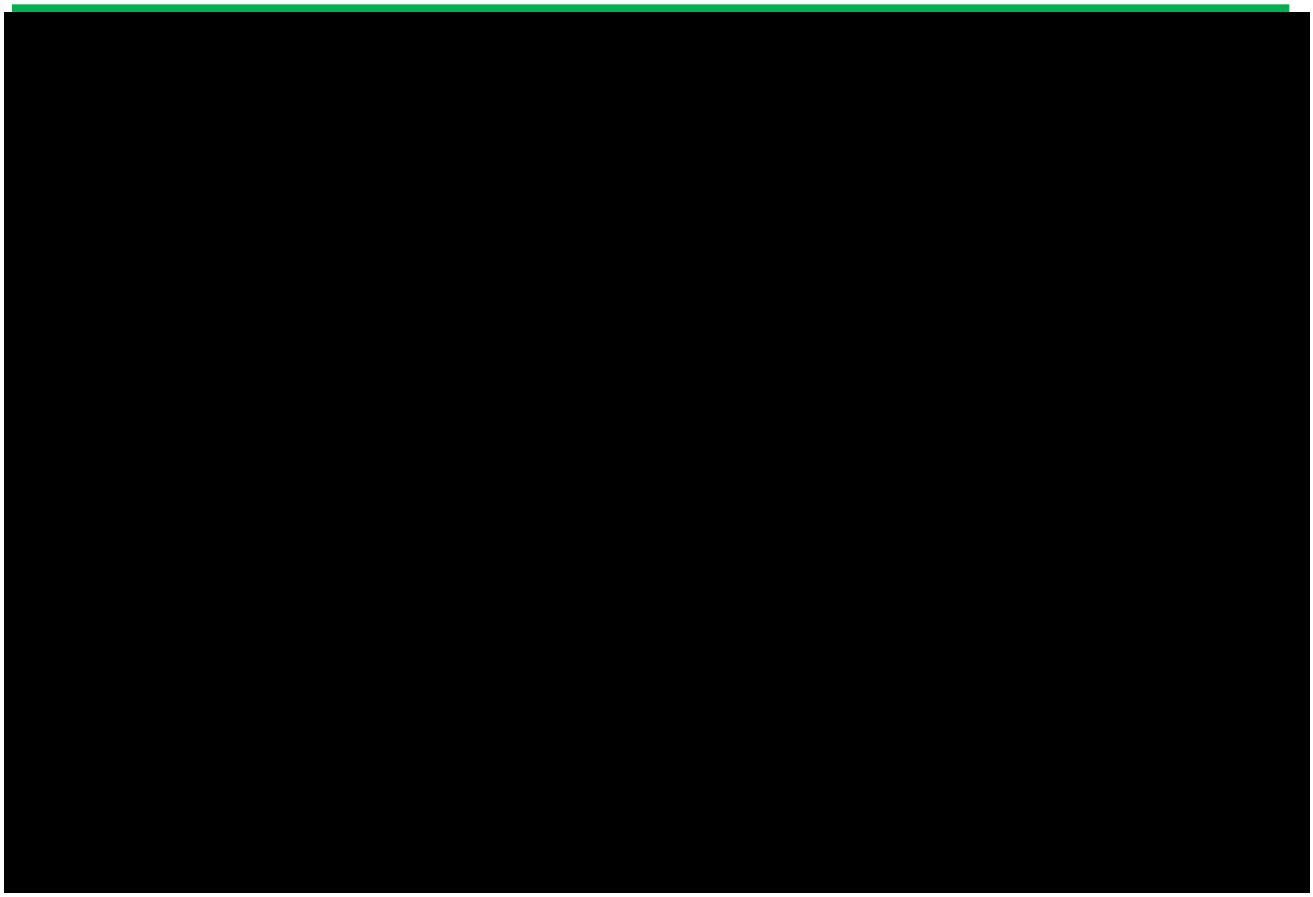
Attachment D: Load Sheet:



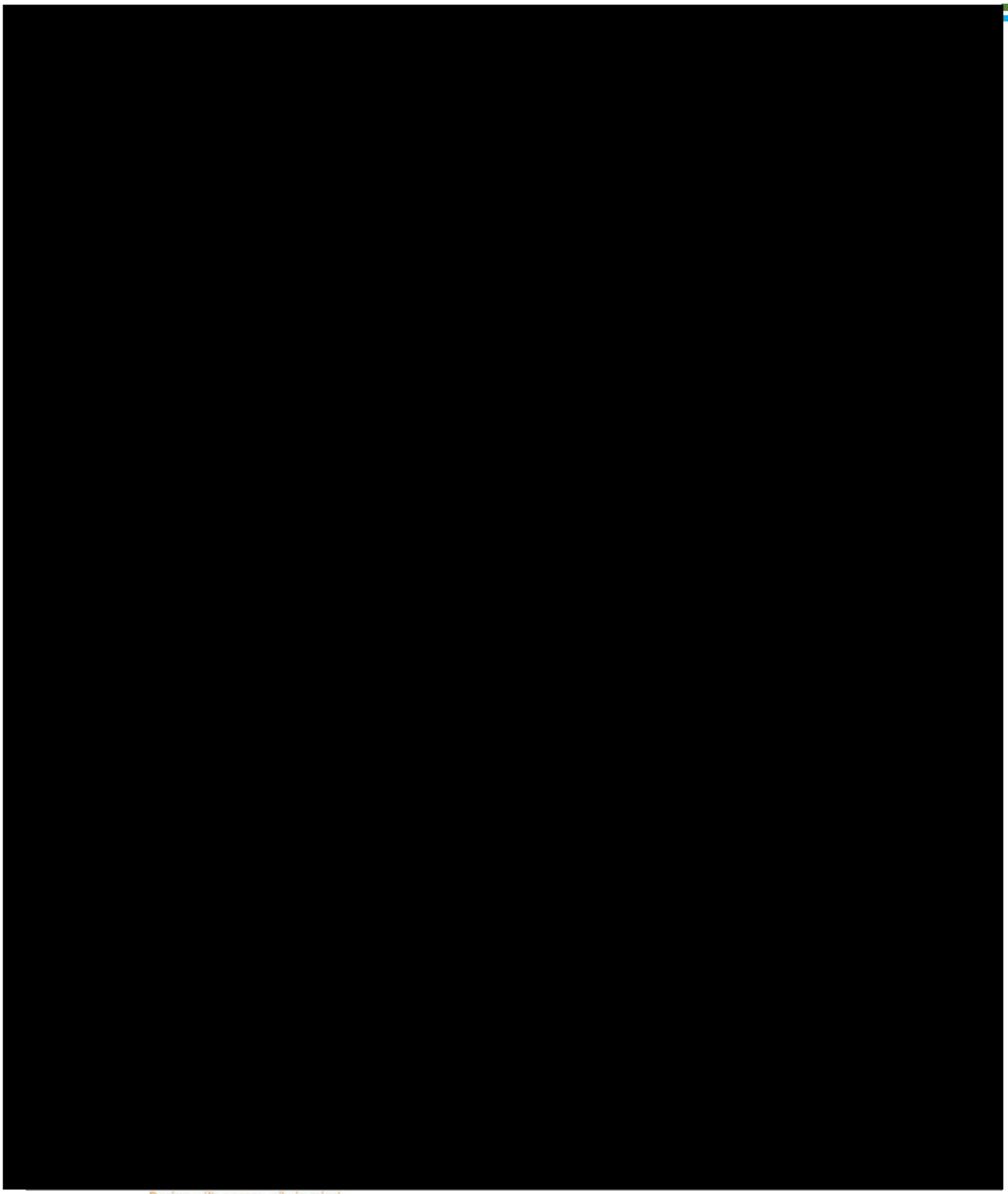




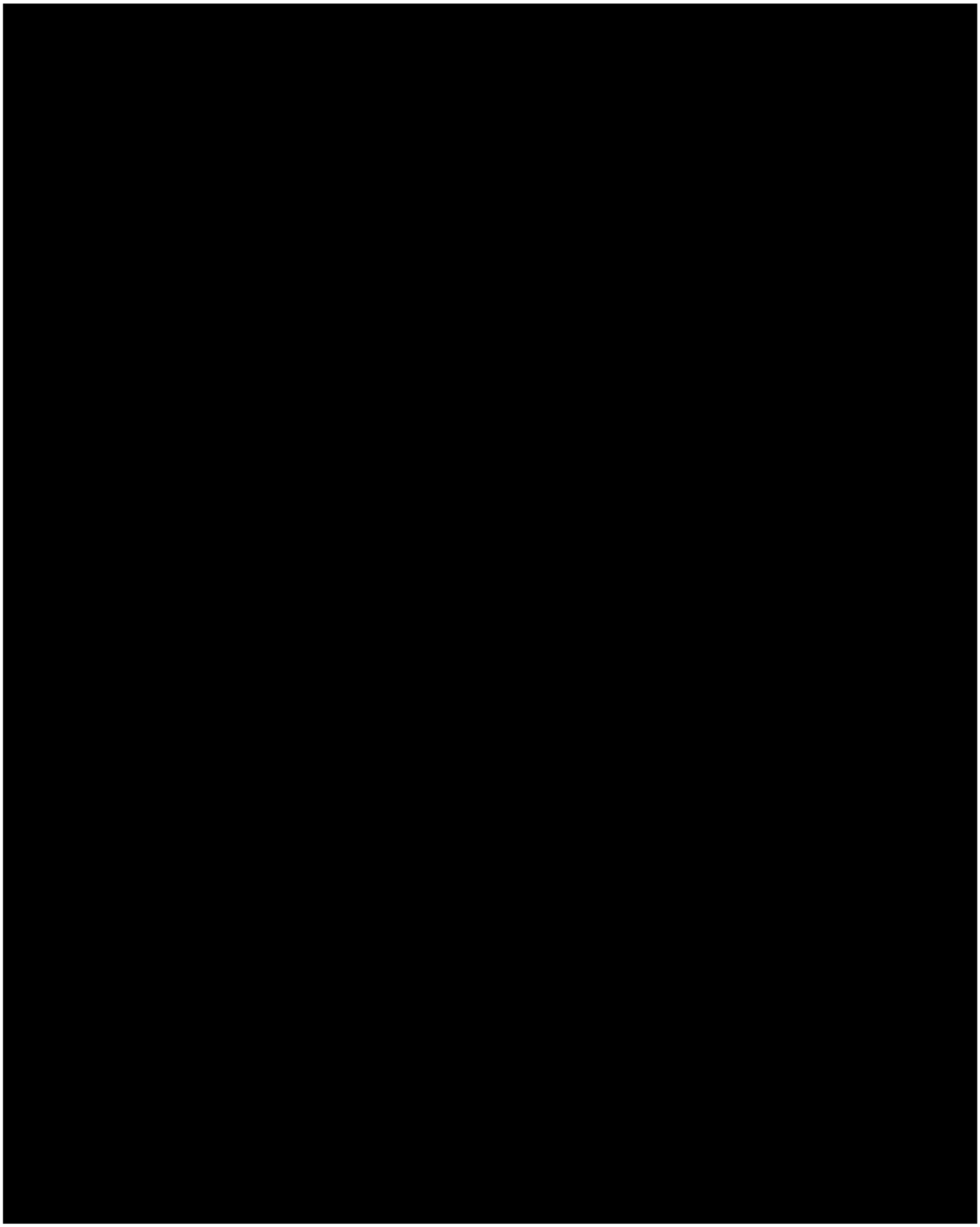
Project Approval Form

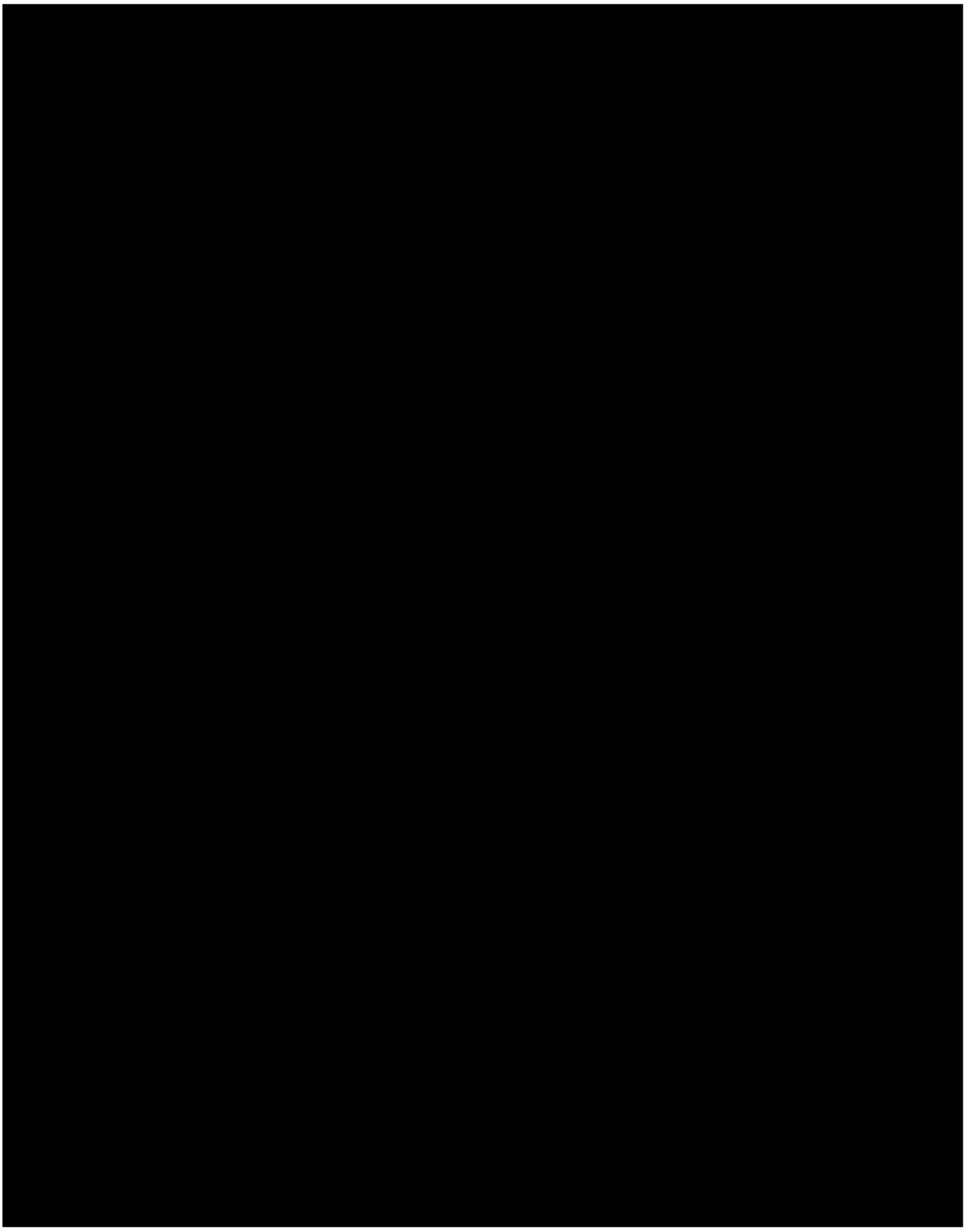






Design with community in mind







Design with community in mind

Attachment H: Revenue Calculation:

[redacted] Revenue Calculation

Cost Estimate for [redacted] =			**$1,579,761.00**				
Annual Proposed Revenue =			$455,414.50				
Revenue * 6.7 =			**$3,051,277.16**	**Is Greater than Cost Estimate?**		**Yes**	
Rate 58	KW	Div KW	Cust Service	Dist Demand	Elec System Impı	Monthly $	Annual $
Bdg F Office/Retai	1263.2	631.6	$1,100.00	4755.948	347.38	$6,203.33	$74,439.94
Rate 56	KW		Cust Service	Dist Demand	Elec System Impı	Monthly $	Annual $
Bdg D Office/Reta	507.9	253.95	$350.00	2008.7445	134.5935	$2,493.34	$29,920.06
Bdg H Common	520.7	260.35	$350.00	2059.3685	137.9855	$2,547.35	$30,568.25
Total							$60,488.30
Rate 30	KW	Div KW	Cust Service	Dist Demand	Elec System Impı	Monthly $	Annual $
Bdg A Retail	133.7	66.85	$44.00	950.607	72.198	$1,066.81	$12,801.66
Bdg A Restaurant	171.3	85.65	$44.00	1217.943	92.502	$1,354.45	$16,253.34
Bdg A Common	127.8	63.9	$44.00	908.658	69.012	$1,021.67	$12,260.04
Bdg B Retail	96.5	48.25	$44.00	686.115	52.11	$782.23	$9,386.70
Bdg B Common	129.4	64.7	$44.00	920.034	69.876	$1,033.91	$12,406.92
Bdg C Retail	53.2	26.6	$44.00	378.252	28.728	$450.98	$5,411.76
Bdg C Restaurant	109.4	54.7	$44.00	777.834	59.076	$880.91	$10,570.92
Bdg C Common	71	35.5	$44.00	504.81	38.34	$587.15	$7,045.80
Bdg D Common	160.8	80.4	$44.00	1143.288	86.832	$1,274.12	$15,289.44
Bdg E Common	254.2	127.1	$44.00	1807.362	137.268	$1,988.63	$23,863.56
Bdg F Common	192.2	96.1	$44.00	1366.542	103.788	$1,514.33	$18,171.96
Bdg G Common	262.8	131.4	$44.00	1868.508	141.912	$2,054.42	$24,653.04
Bdg I Common	371.2	185.6	$44.00	2639.232	200.448	$2,883.68	$34,604.16
Bdg K Common	130.7	65.35	$44.00	929.277	70.578	$1,043.86	$12,526.26
Bdg L Common	29	14.5	$44.00	206.19	15.66	$265.85	$3,190.20
Bdg L Office/Retai	72.7	36.35	$44.00	516.897	39.258	$600.16	$7,201.86
Total							$225,637.62
Rate 37	KW	Div KW	Cust Service	Dist Demand	Elec System Impı	Monthly $	Annual $
Bdg B Restaurant	231.9	115.95	$270.00	1007.6055	74.208	$1,351.81	$16,221.76
Rate 1		KWH	Cust Charge	Dist Service	Elec System Impı	Monthly $	Annual $
120 Residential Units		84000	$1,154.40	$4,908.96	$488.88	$6,552.24	$78,626.88