EVERSOURCE

Project Approval Form

Project Title: [redacted]	**Project Number:** CD02462
Date Prepared: 05/05/2025	**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: 10/31/25	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $7,491.2K ($458.5K Customer Contribution)	**Authorization Type:** Full Funding

1. Executive Summary

This project is being established to supply a new service request. [redacted]

[redacted]

- Project Location
  - Division: Central
  - District: Cheshire AWC
  - City/Town: Plainville

- Under Eversource's NB-2 policy "Pricing Policy for Standard Charges", which is applicable to the work inside of the customer's premises; the customer's contribution is estimated to be $458.5K of which some was collected from the preliminary engineering agreements. This cost includes [redacted]

[redacted]

Total Upgrade Cost	$7.2K
Customer's portion of the circuit capacity	See Attached Table
Anticipated Annual Revenue	$400K
Section A-NB-12 Revenue Amount for 4.5 MVA *6.7 Annual Revenue	$2,681K
Section B- NB-12 Costs	0
Section C- NB-12 Costs	$2,058K

On April 20, 2025, this project was approved for a partial funding estimate of $5,597K. The Full Funding request is for $7,491.2K, which is 134 percent of the Partial Funding.

The “Internal Labor and Construction Equipment” directs increased from $364.5K to $407.3K. The “Outside Services” directs increased from $1,043.7K to $1,514.6K, [redacted] This estimate from the Windsor project is the driver of the increase in the outside services. The “Materials” directs decreased from $1,165.2K to $994.1K with no scope change driving these costs. The Partial “Customer Contribution” estimate decreased from $518K to $458.5K.

The two drivers of the cost increase are the “Risk and Contingency” directs and the “Indirect Capital Costs.” The “Risk and Contingency” dollars increased from $11.8k to $681k. The Full Funding estimate used a 10% contingency, so not sure why the ENG contingency was so low. The “Indirect Capital Costs.” for Full

Funding are $3,736.5k which is $1,563.9k higher than the Partial Funding of $2,212.6K. It is known that all loaders have significantly increased over the last several months, which is driving the increase here.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2025	Total
Internal Labor and Construction Equipment	407.3	407.3
Outside Services	1,514.6	1,514.6
Materials	994.1	994.1
Removals	157.7	157.7
Risk and Contingency	681.0	681.0
Other	0.0	0.0
Subtotal	**3,754.8**	**3,754.8**

Indirect Capital Costs		
Indirects/Overheads (including benefits)	3,736.5	3,736.5
Capitalized interest or AFUDC, if any	0.0	0.0
Subtotal	**3,736.5**	**3,736.5**
Total Capital Costs (Gross)	**7,491.2**	**7,491.2**
Less Total Customer Contribution	**-458.5**	**-458.5**
Project Costs (Net)	**7,032.7**	**7,032.7**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

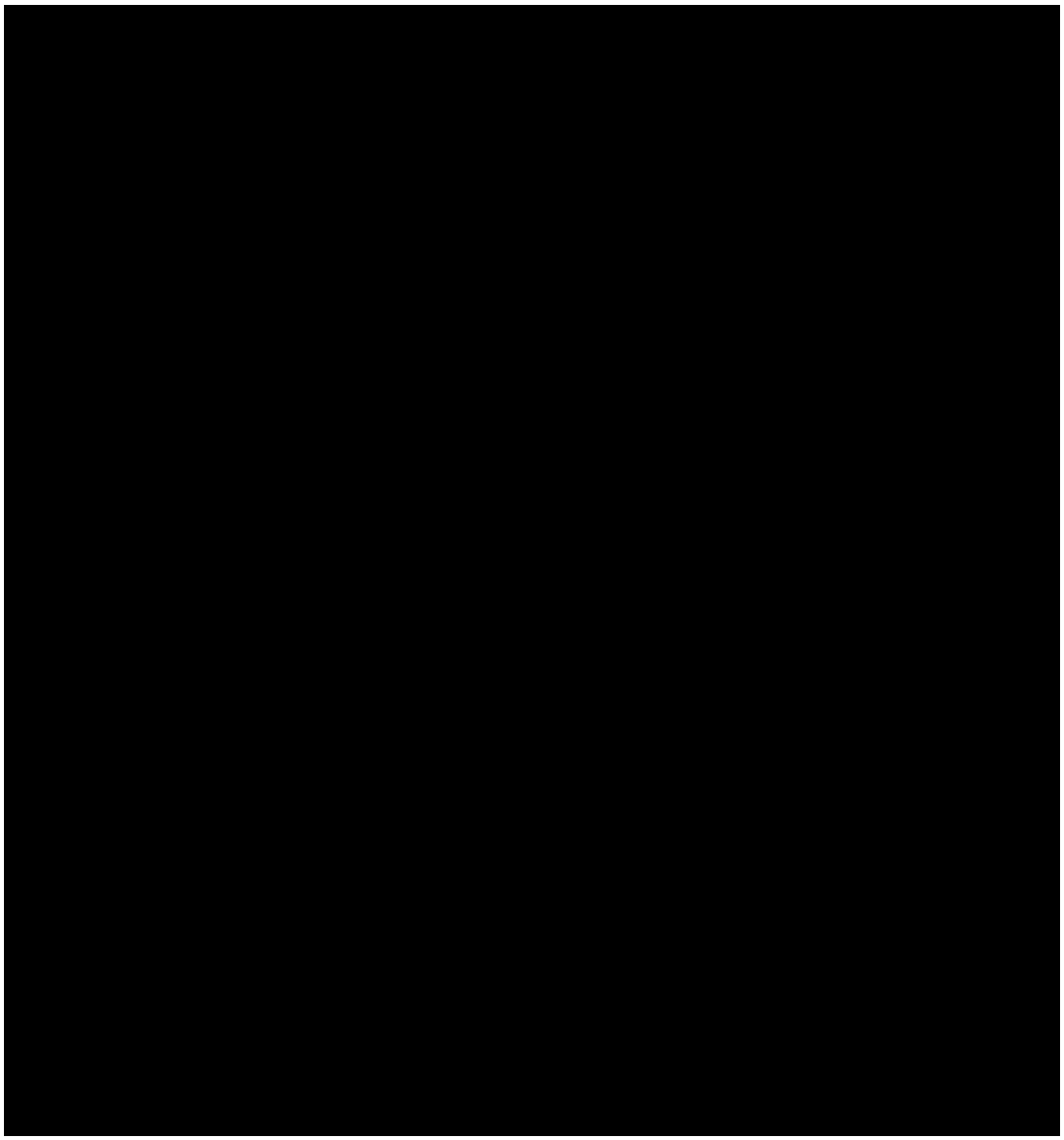
[redacted]

b. Project Need

[redacted]

c. Project Scope

Option One.



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 Option Comparison

Design Criteria	Option		
	[redacted]		
Normal loads < 80% of UG rating	X	X	X
Normal loads < 90% of OH rating	X	X	X
Contingent loads < 100% of rating	X	X	X
Additional Benefits (not required to meet scope of project)			
All zones < 500 customers		X	X
Additional ties created		3	3
Eliminate existing overloads in Corbin Ave UG structures.	X	X	
Create a new UG path from Substation.			X
Eliminates PILC	440 ft.	4,461 ft.	0
Create a triple circuit pole line	No	No	No
Authorization Type	Full	Partial	Partial
Capital Cost	$7.49M	$8.9M	$11.4M

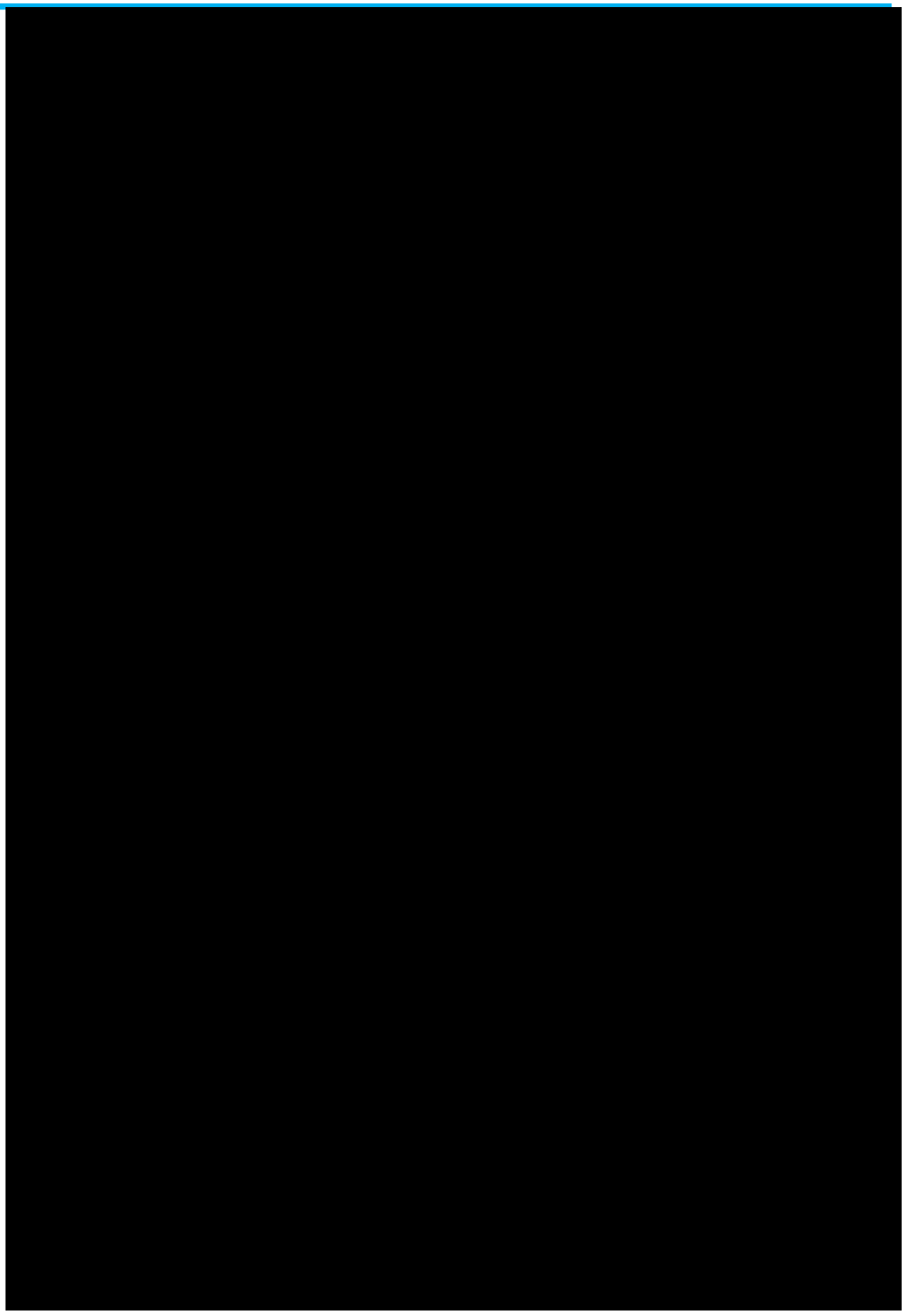
Expense Cost	$0.27M	$0.5M	$0.6M
Total Cost	$7.76M	$9.4M	$12.0M
Total Cost / MVA added	$0.84/MVA	$0.5/MVA	$0.82/MVA
Preferred option	X		

Option Summary

[redacted]

Others:

[redacted]



5. Project Schedule

Add any additional milestones that are pertinent to the project.

Milestone/Phase Name	Estimated Date
Partial Approval	4/20/2025
100% Detailed Engineering Completion	7/1/2025
Fully Funded	7/31/25
Construction Start	9/1/2025
In Service Date	10/31/2025

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.	2025	Medium	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	2025	Medium	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.
Internal engineering 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	2025	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2025	Medium	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2025	Medium	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	2025	Medium	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	2025	Medium	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1. N/A

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

Attachment	Included in Submittal?
A. Cost Estimate	*See Partial Attached PAF*
B. Initial PAF	*See Partial Attached PAF*
C. Geographic Maps	*See Partial Attached PAF*
D. System and Station One-Lines	*See Partial Attached PAF*
E. NB-2 Charges	*See Partial Attached PAF*
F. Load Sheets -- Before	*See Partial Attached PAF*
G. Load Sheets – Adding New Loads	*See Partial Attached PAF*
H. Load Sheets – After Upgrades	*See Partial Attached PAF*
I. [redacted] Cable Rating Affects.	*See Partial Attached PAF*

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Project Approval Form

Partial Funding PAF

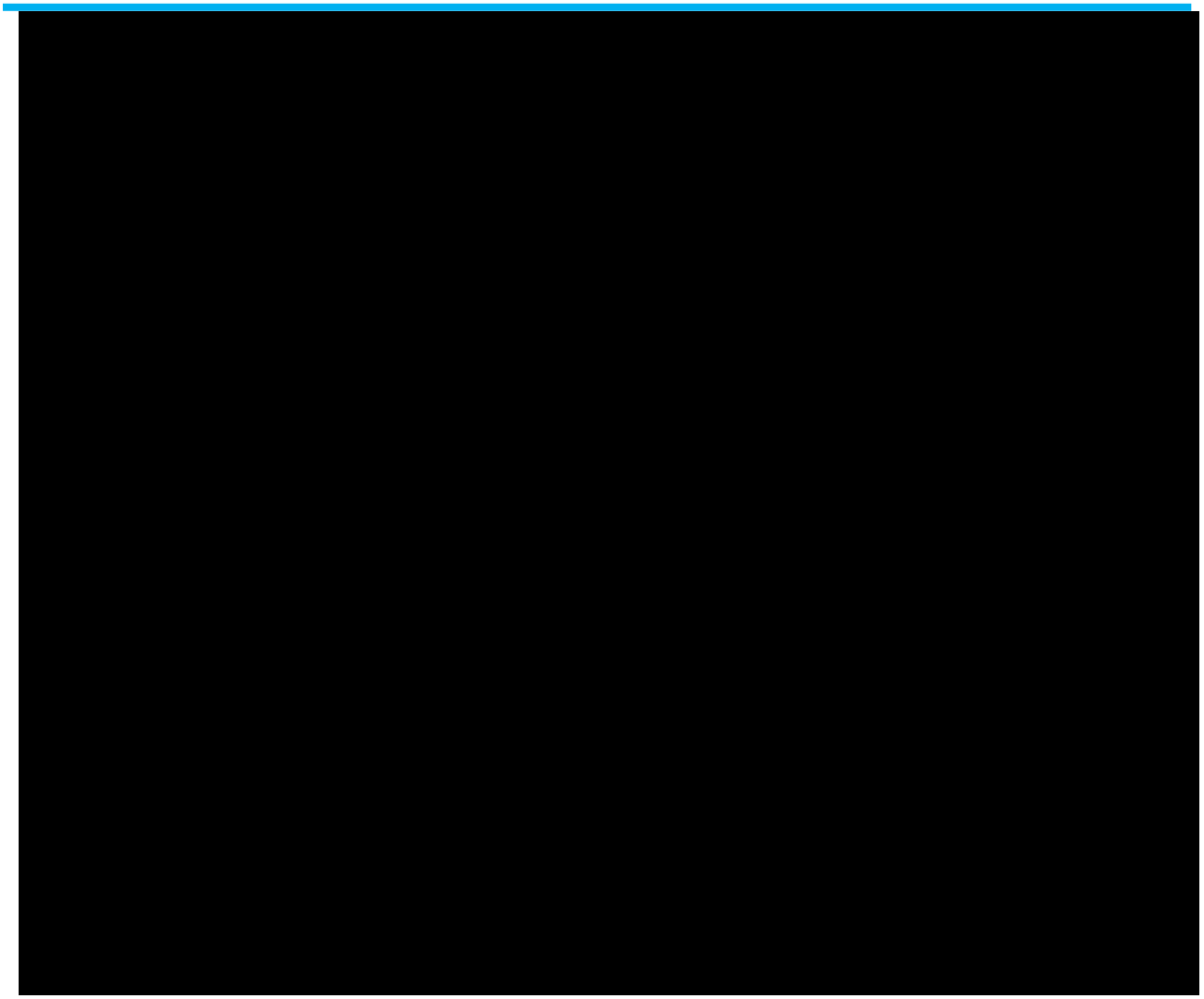
Project Title: [redacted]	**Project Number: CD02462**
Date Prepared: 06/25/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** SPECIFIC PROJECTS-NEW SRVCE
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital 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: 10/31/25	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $5,597.2K ($518K)	**Authorization Type:** Partial Funding

1. Executive Summary

[redacted]

- Project Location
  - Division: Central
  - District: Cheshire AWC
  - City/Town: Plainville

[redacted]



Total Cost			$ 5,884.92	
11H64 Overload			$ 725.20	
Private Property Costs			$ 675.50	
Total Cost Covered Under NB-12			$ 4,484.22	
[redacted] Load Transfers				
Total Costs	$75			
Prorated Percentage	83%			Existing Available capacity divided by the half of the 4.5 MVA.
Prorated Amount	$ 62			
[redacted] Upgrades				
Total Costs	$ 4,409			
Prorated Percentage	45%			Existing Available capacity divided by the half of the 4.5 MVA.
Prorated Amount	$ 2,002			
Total Prorated Amount			$ 2,064	
[redacted] Load Transfers				
Part B				
Annual Revenue	$ 200.00			
6.7 * Annual Revenue	$ 1,340.00			
Over the NB-12 Revenue	$ -			
Part C	$ -			
Sub Total Pro-rated construction cost	$ -			
[redacted] Load Transfers				
Part B				
Annual Revenue	$ 200.00			
6.7 * Annual Revenue	$ 1,340.00			
Over the NB-12 Revenue	$ -			
Part C				
Sub Total Pro-rated construction cost	$ 2,002.21			
Part B Total			$ -	
Part C Total			$ 2,002.21	Line of Credit

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2025	Total
Direct Capital Costs		
Internal Labor and Construction Equipment	364.5	364.5
Outside Services	1,043.7	1,043.7
Materials	1,165.2	1,165.2
Removals	803.9	803.9
Risk and Contingency	11.8	11.8
Other	7.4	7.4
Subtotal – Direct Costs	**3,384.6**	**3,384.6**
Indirect Capital Costs		
Indirect/Overheads (including benefits)	2,075.0	2,075.0
Capitalized interest or AFUDC, if any	137.6	137.6
Subtotal – Indirect Costs	**2,212.6**	**2,212.6**
Total Gross Capital Costs	**5,597.2**	**5,597.2**
Customer Contribution	**518**	**518**
Total Net Capital Project Costs	**5079.2**	**5079.2**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

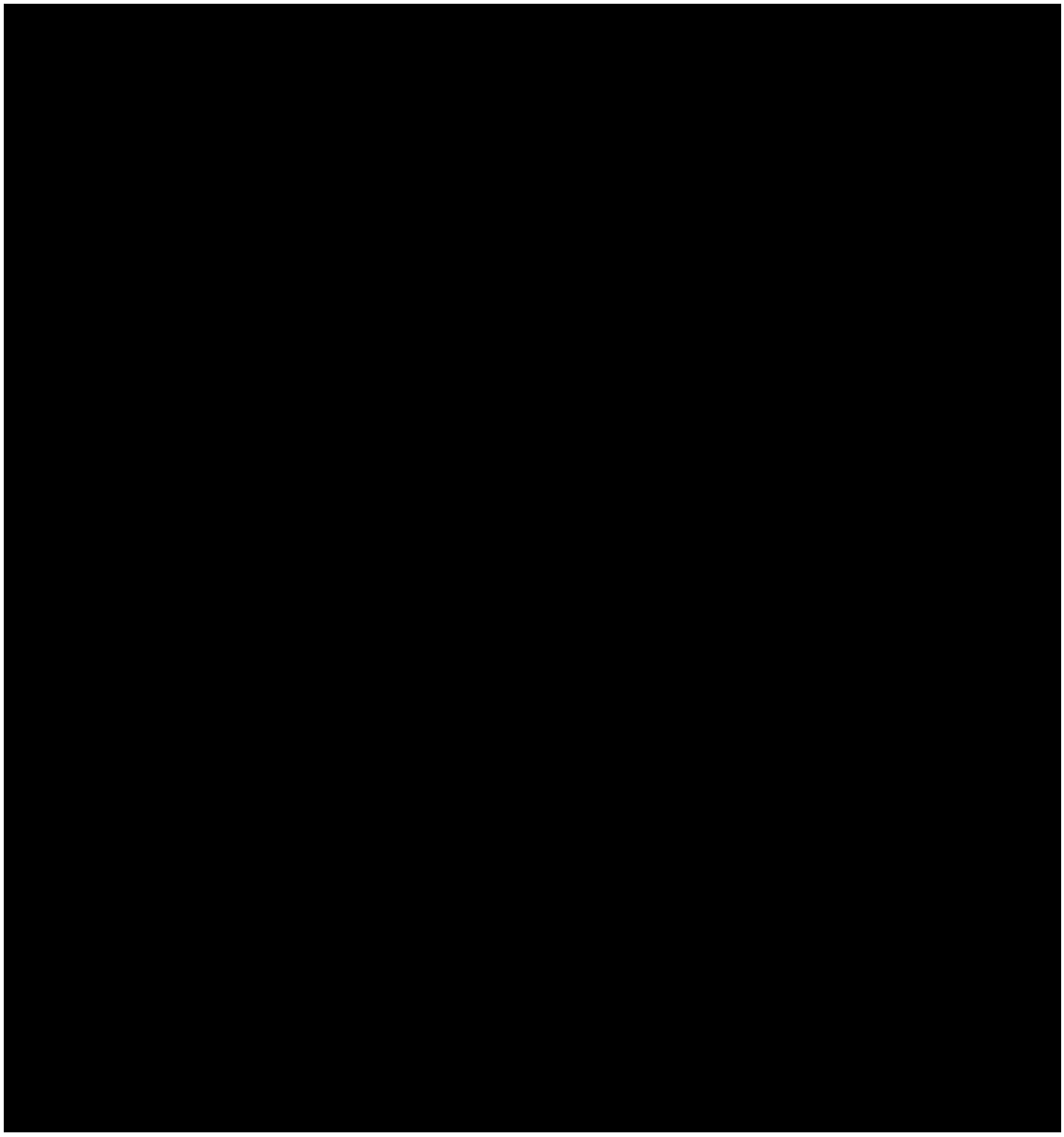
a. Background



b. Project Need



C. Project Scope



4. Alternatives Considered

NWS Exclusion Criteria (select all that apply)

☐ Project cost < $250k	☒ New Service
☐ CDOT Relocation	☐ Generator interconnection project

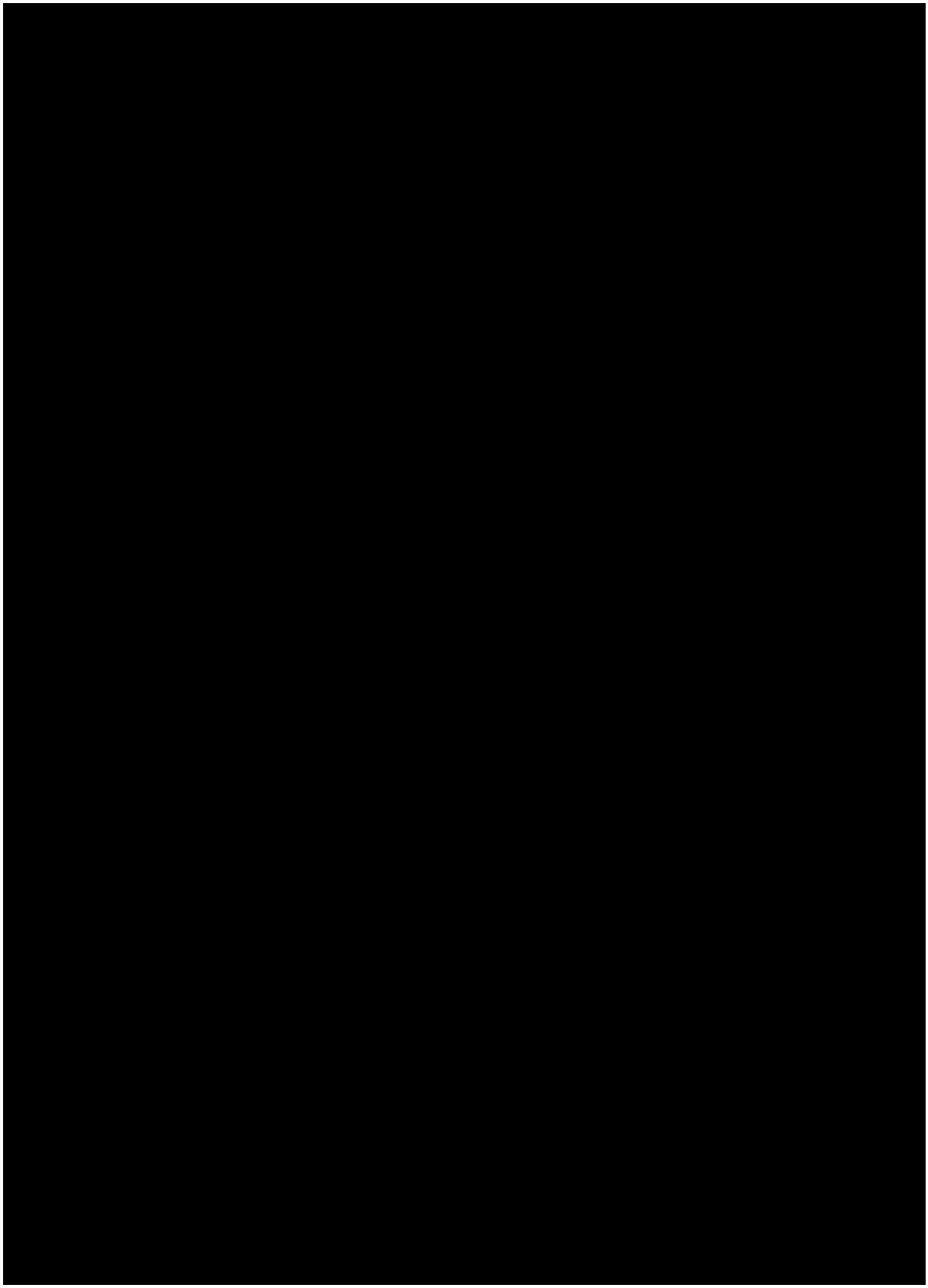
☐ Maintenance, Asset condition or safety related*	

Project Option Comparison

Design Criteria	Option		
	[redacted]		
Normal loads < 80% of UG rating	X	X	X
Normal loads < 90% of OH rating	X	X	X
Contingent loads < 100% of rating	X	X	X
Additional Benefits (not required to meet scope of project)			
All zones < 500 customers		X	X
Additional ties created		3	3
Eliminate existing overloads in Corbin Ave UG structures.	X	X	
Create a new UG path from Substation.			X
Eliminates PILC	440 ft.	4,461 ft.	0
Create a triple circuit pole line	No	No	No
Authorization Type	Partial	Partial	Partial
Capital Cost	$5.6M	$8.9M	$11.4M
Expense Cost	$0.3M	$0.5M	$0.6M
Total Cost	$5.9M	$9.4M	$12.0M
Total Cost / MVA added	$0.84/MVA	$0.5/MVA	$0.82/MVA
Preferred option	X		

Option Summary:

[redacted]



5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	3/15/2025
100% Detailed Engineering Completion	4/1/2025
Fully Funded	4/15/2025
Construction Start	5/1/2025
In Service Date	10/1/2025

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.	2025	Medium	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	2025	High	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.
Internal engineering 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.
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Wetlands / Environmentally sensitive area	2025	Medium	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1.

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Initial PAF	*YES*
C. Geographic Maps	*YES*
D. System and Station One-Lines	*YES*
E. NB-2 and NB-12 Charges	*YES*
F. Load Sheets -- Before	*YES*
G. Load Sheets – Adding New Loads	*YES*
H. Load Sheets – After Upgrades	*YES*
I. [redacted] Cable Rating Affects.	*YES*

A. Cost Estimate. Note Option 6 in the Need Statement is Option One in the PAF.

Budget Summary - Preferred Option

2025

ID	Title	Status	Rev.	Contingency	[redacted] Expenditure Amount	Net Estimate
2	[redacted]	Prelim	0	24%	$3,287,963	$3,287,963
6		Prelim	0	24%	$788,255	$788,255
10		Prelim	0	24%	$675,495	$675,495
15		Draft	0	24%	$725,205	$725,205
19		Draft	0	24%	$332,912	$332,912
20		Draft	0	24%	$75,094	$75,094
				2025 Total:	**$5,884,923**	**$5,884,923**
				Total Project:	**$5,884,923**	**$5,884,923**

Project Option Summary

ID	Description Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	[redacted]	$10,057,562	$0	100%	$5,495.79	$3,870.40	☐
O2		$10,014,240	$0	100%	$5,472.12	$3,853.72	☐
O3		$12,419,729	$0	100%	$6,786.56	$6,786.56	☐
O4		$12,482,992	$0	100%	$6,821.13	$4,803.76	☐
O5		$9,811,071	$0	100%	$5,361.10	$3,775.54	☐
O6		$5,884,923	$0	100%	$0.00	$0.00	☑

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance
1	[redacted]	$4,651,912		
2		$3,287,963		
3		$1,059,494		
4		$1,336,000		
5		$245,063		
6		$788,255		
7		$788,255		
8		$842,011		
9		$742,565		
10		$675,495		
11		$986,555		
12		$482,207		
13		$1,168,355		
14		$482,207		
15		$725,205		
16		$219,353		
17		$1,089,509		
18		$231,314		
19		$332,912		
20		$75,094		

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Project Approval Form

Design Alternative

CD02462-01

General Information

Segment: 1 - [redacted]
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2025
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$3,751,542
Contingency Amount:	$900,370
Estimate:	$4,651,912
Reimbursement:	$0
Net Amount:	**$4,651,912**

Description:

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18	[redacted]		$489,000.00
CONDUIT [redacted]	23-UG137			1,301,248.00
ENCLOSURE [redacted]	23-UG139			$491,293.92
ACT [redacted]	23-ALL12			$350,000.00
ACT [redacted]	23-ALL12			1,120,000.00

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Project Approval Form

Design Alternative

CD02462-02

General Information

Segment: 2 - [redacted]
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2025
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1			[redacted]
2			
3			
4			
5			

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$2,651,583
Contingency Amount:	$636,380
Estimate:	$3,287,963
Reimbursement:	$0
Net Amount:	**$3,287,963**

Description:

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC	23-ALL18	[redacted]		
OH/DB/UG - Traffic Control - Police Officer				
CONDUIT	23-UG137			
[redacted]				
ENCLOSURE	23-UG139			
[redacted]				
ACT	23-ALL12			
[redacted]				
ACT	23-ALL12			
[redacted]				

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Project Approval Form

Design Alternative

CD02462-03

General Information

Segment: 3 - [redacted]
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2025
Description [redacted]

Itemized Work List

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

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$854,430
Contingency Amount:	$205,063
Estimate:	$1,059,494
Reimbursement:	$0
Net Amount:	**$1,059,494**

Description:

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC	23-ALL18	[redacted]		$88,000.00
OH/DB/UG - Traffic Control - Police Officer				
UG CABLE	23-UG114B			589,430.40
[redacted]				
ACT	23-ALL12			177,000.00
[redacted]				

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Project Approval Form

Design Alternative

CD02462-04

General Information

Segment: 4 - [redacted]
Status: Draft
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2025
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$1,077,420
Contingency Amount:	$258,581
Estimate:	$1,336,000
Reimbursement:	$0
Net Amount:	**$1,336,000**

Description:

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18	[redacted]		$101,100.00
POLE [redacted]	23-OH14			$151,970.00
OH WIRE [redacted]	23-OH36			$239,200.00
SECTIONALIZE [redacted]	23-OH44			$26,736.32
UG CABLE [redacted]	23-UG114B			$81,993.60
POLE [redacted]	23-UG146			$56,130.88
CONDUIT [redacted]	23-UG137			$89,460.80
ACT [redacted]	23-ALL12			$202,200.00
ACT [redacted]	23-ALL12			$28,628.00
OTHER [redacted]	23-ALL14			$100,000.00

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Project Approval Form

Design Alternative

CD02462-05

General Information

Segment: 5 - [redacted]
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2025
Description: [redacted].

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$197,631
Contingency Amount:	$47,432
Estimate:	$245,063
Reimbursement:	$0
Net Amount:	**$245,063**

Description:

Item Description	CU	$ / Per	Qty	Amount
ACT ACT Estimate for Contractor Crews	23-ALL12	[redacted]		$45,000.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18			$23,000.00
UG CABLE [redacted]	23-UG114B			$152,630.40

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Project Approval Form

Design Alternative

CD02462-06

General Information

Segment: 6 - [redacted]
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2025
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1			[redacted]
2			
3			
4			
5			
6			
7			

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$635,690
Contingency Amount:	$152,566
Estimate:	$788,255
Reimbursement:	$0
Net Amount:	**$788,255**

Description:

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18	[redacted]		$80,000.00
UG CABLE [redacted]	23-UG114B			$427,689.60
ACT [redacted]	23-ALL12			$128,000.00

EVERSOURCE

Project Approval Form

Design Alternative

CD02462-07

General Information

Segment: 7 - [redacted]
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2025
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	24.00%
SubTotal:	$635,690
Contingency Amount:	$152,566
Estimate:	$788,255
Reimbursement:	$0
Net Amount:	**$788,255**

Description:

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18	[redacted]		$80,000.00
UG CABLE [redacted]	23-UG114B			$427,689.60
ACT [redacted]	23-ALL12			$128,000.00

EVERSOURCE

Project Approval Form

Design Alternative

CD02462-08

General Information

Segment: 8 - [redacted]
Status: Draft
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2025
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1			[redacted]
2			
3			
4			
6			
7			
8			
9			
10			
11			
12			
14			
15			
16			
17			

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$679,041
Contingency Amount:	$162,970
Estimate:	$842,011
Reimbursement:	$0
Net Amount:	**$842,011**

Description:

Item Description	CU	$ / Per	Qty	Amount
ACT ACT Estimate for Contractor Crews	23-ALL12	[redacted]		$129,000.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18			$54,000.00
SECTIONALIZE [redacted]	23-OH44			$53,472.64
UG CABLE [redacted]	23-UG114B			$290,160.00
ACT [redacted]	23-ALL12			$28,628.00
UG CABLE [redacted]	23-UG114B			$34,320.00
[redacted]	23-UG137			$89,460.80

EVERSOURCE

Project Approval Form

Design Alternative

CD02462-09

General Information

Segment: 9 - [redacted]
Status: Draft
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2025
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$598,842
Contingency Amount:	$143,722
Estimate:	$742,565
Reimbursement:	$0
Net Amount:	**$742,565**

Description:

Item Description	CU		Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18	[redacted]	$67,000.00
UG CABLE [redacted]	23-UG114B		$334,214.40
UG CABLE [redacted]	23-UG117		$69,628.00
ACT [redacted]	23-ALL12		$128,000.00

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Project Approval Form

Design Alternative

CD02462-10

General Information

Segment: 10 - [redacted]
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2025
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$544,754
Contingency Amount:	$130,741
Estimate:	$675,495
Reimbursement:	$0
Net Amount:	**$675,495**

Description:

Item Description	CU		Amount
UG CABLE [redacted]	23-UG114	[redacted]	$36,192.00
SWITCHGEAR [redacted]	23-UG128		$467,900.16
SWITCHGEAR [redacted]	23-UG124		$40,661.92

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Project Approval Form

Design Alternative

CD02462-11

General Information

Segment: 11 - [redacted]
Status: Prelim Design Submitted
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: BB-Reconductoring
Trimming ☐
In Service Date: 12/31/2025
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$795,609
Contingency Amount:	$190,946
Estimate:	$986,555
Reimbursement:	$0
Net Amount:	**$986,555**

Description:

Item Description	CU	$ / Per	Qty	Amount
ACT ACT Estimate for Contractor Crews	23-ALL12	[redacted]		$190,000.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18			$95,000.00
OH WIRE [redacted]	23-OH27			$322,816.00
UG CABLE [redacted]	23-UG114B			$74,880.00
UG CABLE [redacted]	23-UG117			$15,600.00
POLE [redacted]	23-OH14			$60,788.00
POLETOP [redacted]	23-OH17A			$36,524.80

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Project Approval Form

Design Alternative

CD02462-12

General Information

Segment: 12 - [redacted] Status: Draft

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

Work Type: BB-Reconductoring Trimming ☐ In Service Date: 12/31/2025

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$388,876
Contingency Amount:	$93,330
Estimate:	$482,207
Reimbursement:	$0
Net Amount:	**$482,207**

Description:

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18	[redacted]		$40,000.00
UG CABLE [redacted]	23-UG114B			$222,518.40
UG CABLE [redacted]	23-UG117			$46,358.00
ACT [redacted]	23-ALL12			$80,000.00

EVERSOURCE

Project Approval Form

Design Alternative

CD02462-13

General Information

Segment: 13 [redacted] Status: Draft

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

Work Type: BB-Reconductoring Trimming ☐ In Service Date: 12/31/2025

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$942,222
Contingency Amount:	$226,133
Estimate:	$1,168,355
Reimbursement:	$0
Net Amount:	**$1,168,355**
Description:	[redacted]

Item Description	CU	$ / Per	Qty	Amount
ACT ACT Estimate for Contractor Crews	23-ALL12	[redacted]		$177,000.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18			$88,000.00
SECTIONALIZE [redacted]	23-OH39A			$25,405.12
UG CABLE [redacted]	23-UG114B			$589,430.40
SECTIONALIZE [redacted]	23-OH38			$62,386.48

EVERSOURCE

Project Approval Form

Design Alternative

CD02462-14

General Information

Segment: 14 - [redacted].
Status: Draft
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2026
Description: [redacted].

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$388,876
Contingency Amount:	$93,330
Estimate:	$482,207
Reimbursement:	$0
Net Amount:	**$482,207**

Description:

Item Description	CU		Amount
ACT ACT Estimate for Contractor Crews	23-ALL12	[redacted]	$80,000.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18		$40,000.00
UG CABLE [redacted]	23-UG114B		$222,518.40
UG CABLE [redacted]	23-UG117		$46,358.00

EVERSOURCE

Project Approval Form

Design Alternative

CD02462-15

General Information

Segment: 15 - [redacted] Status: Draft

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

Work Type: BB-Conversion-Recond Trimming ☐ In Service Date: 12/31/2026

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$584,842
Contingency Amount:	$140,362
Estimate:	$725,205
Reimbursement:	$0
Net Amount:	**$725,205**

Description:

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18	[redacted]		$60,000.00
UG CABLE [redacted]	23-UG114B			$334,214.40
UG CABLE [redacted]	23-UG117			$69,628.00
ACT [redacted]	23-ALL12			$121,000.00

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Project Approval Form

Design Alternative

CD02462-16

General Information

Segment: 16 [redacted] Status: Draft

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

Work Type: Other Trimming ☐ In Service Date: 12/31/2026

Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$176,897
Contingency Amount:	$42,455
Estimate:	$219,353
Reimbursement:	$0
Net Amount:	**$219,353**

Description:

Item Description	CU	$ / Per	Qty	Amount
ACT ACT Estimate for Contractor Crews	23-ALL12	[redacted]		$36,600.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18			$18,300.00
UG CABLE [redacted]	23-UG114B			$100,963.20
UG CABLE [redacted]	23-UG117			$21,034.00

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Project Approval Form

Design Alternative

CD02462-17

General Information

Segment: 17 - [redacted]
Status: Draft
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2026
Description: [redacted].

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	20.00%
SubTotal:	$907,924
Contingency Amount:	$181,585
Estimate:	$1,089,509
Reimbursement:	$0
Net Amount:	**$1,089,509**

Description:

Item Description	CU	$ / Per	Qty	Amount
ACT ACT Estimate for Contractor Crews	23-ALL12	[redacted]		$355,000.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18			$72,000.00
SECTIONALIZE [redacted]	23-OH43		1	$13,368.16
UG CABLE [redacted]	23-UG114B			$453,523.20
POLE [redacted]	23-UG146			$14,032.72

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Project Approval Form

Design Alternative

CD02462-18

General Information

Segment: 18 - [redacted]
Status: Draft
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2026
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1			[redacted]
2			
3			
4			

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	20.00%
SubTotal:	$192,762
Contingency Amount:	$38,552
Estimate:	$231,314
Reimbursement:	$0
Net Amount:	**$231,314**

Description:

Item Description	CU	$ / Per	Qty	Amount
ACT ACT Estimate for Contractor Crews	23-ALL12	[redacted]		$41,000.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18			$20,000.00
SECTIONALIZE [redacted]	23-OH43			$26,736.32
UG CABLE [redacted]	23-UG114B			$52,416.00
CONDUIT [redacted]	23-UG138			$24,544.00
POLE [redacted]	23-UG146			$28,065.44

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Project Approval Form

Design Alternative

CD02462-19

General Information

Segment: 19 - [redacted]
Status: Draft
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2026
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			
4			
5			
6			
7			

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$268,477
Contingency Amount:	$64,434
Estimate:	$332,912
Reimbursement:	$0
Net Amount:	**$332,912**

Description:

Item Description	CU	$ / Per	Qty	Amount
SECTIONALIZE [redacted]	23-OH38	[redacted]		$62,386.48
UG CABLE [redacted]	23-UG114B			$159,494.40
UG CABLE [redacted]	23-UG117			$33,228.00
SECTIONALIZE [redacted]	23-OH43			$13,368.16

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Project Approval Form

Design Alternative

CD02462-20

General Information

Segment: 20 - [redacted]
Status: Draft
Segment Type: NEW SERVICE
Town: [redacted]
Budget Year: 2025
Work Type: Other
Trimming ☐
In Service Date: 12/31/2026
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00%
SubTotal:	$60,560
Contingency Amount:	$14,534
Estimate:	$75,094
Reimbursement:	$0
Net Amount:	**$75,094**

Description:

Item Description	CU	$ / Per	Qty	Amount
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	23-ALL18	[redacted]		$8,000.00
INSULATOR [redacted]	23-OH16			$1,059.76
ACT [redacted]	23-ALL13			$50,000.00
TRAFFIC [redacted]	23-ALL18			$1,500.00

Attachment B Initial PAF

Project Title: [redacted]	**Project Number: CD02462**
Date Prepared: 05/02/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**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 5-year plan?** No
	Emergency Related Request? No
Total Request ($): $30K	**Authorization Type:** Initial Funding

1. Project Need Statement

[redacted]

2. Project Objectives

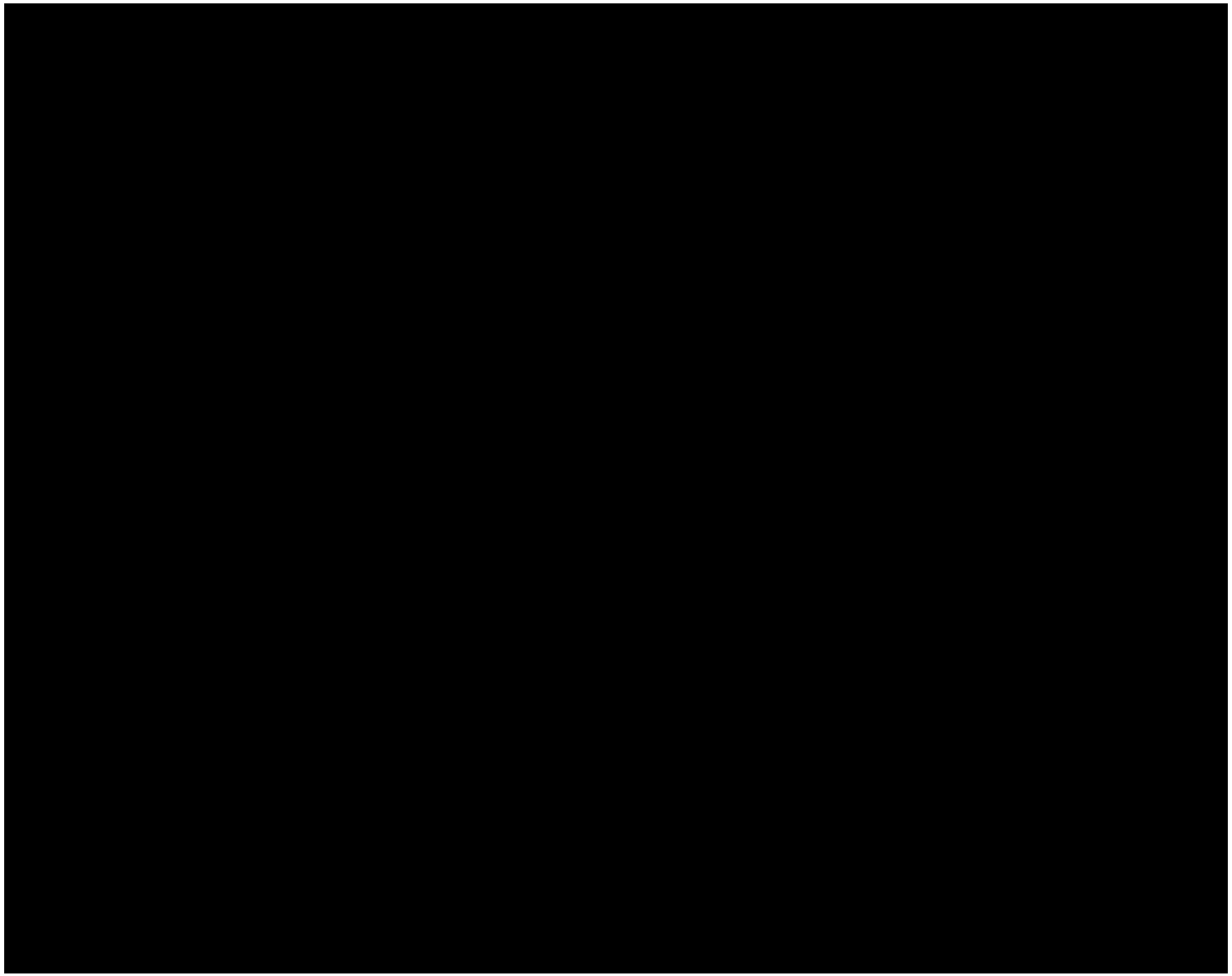
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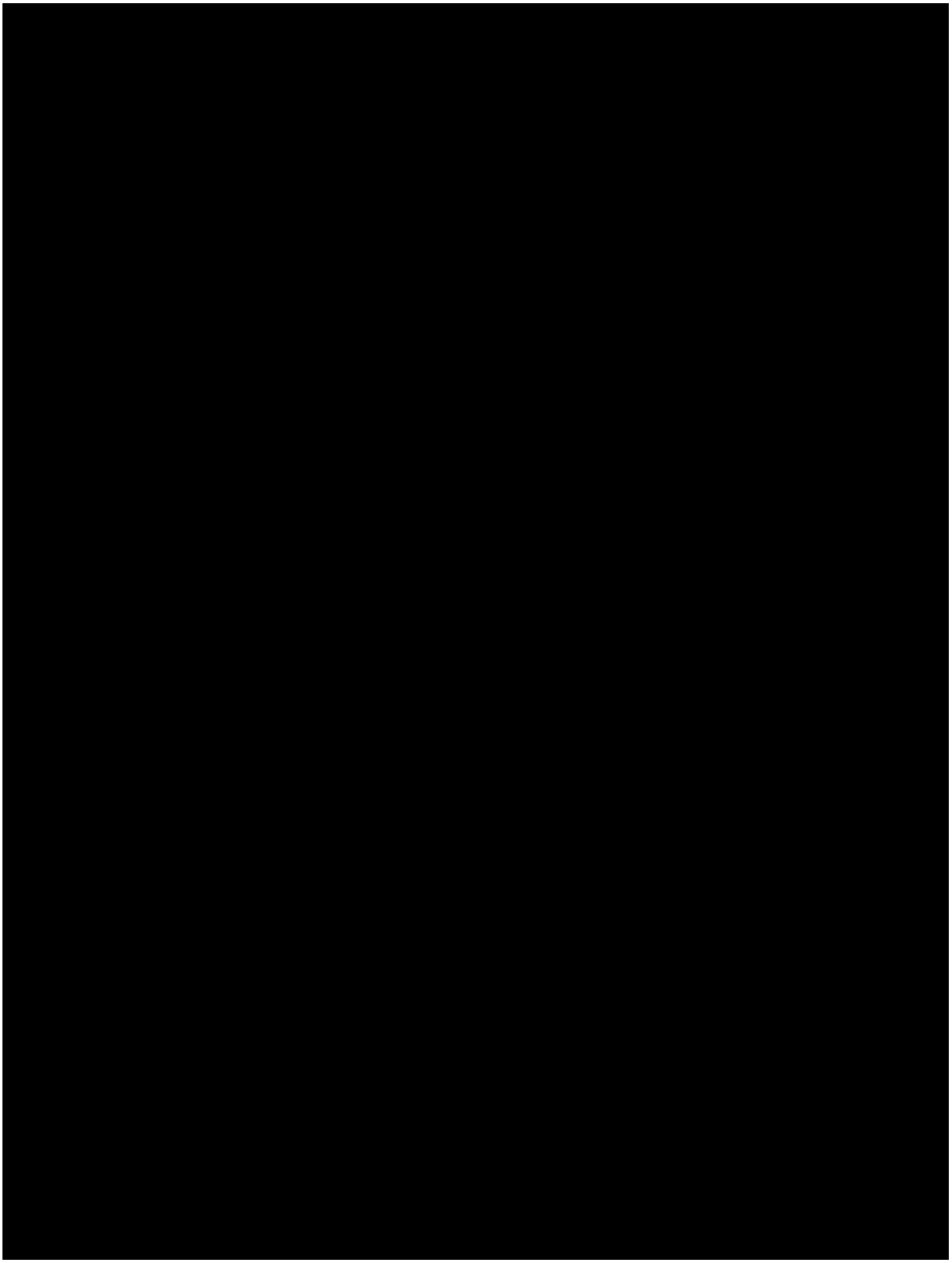
Project Initiator: _____ [redacted] _____

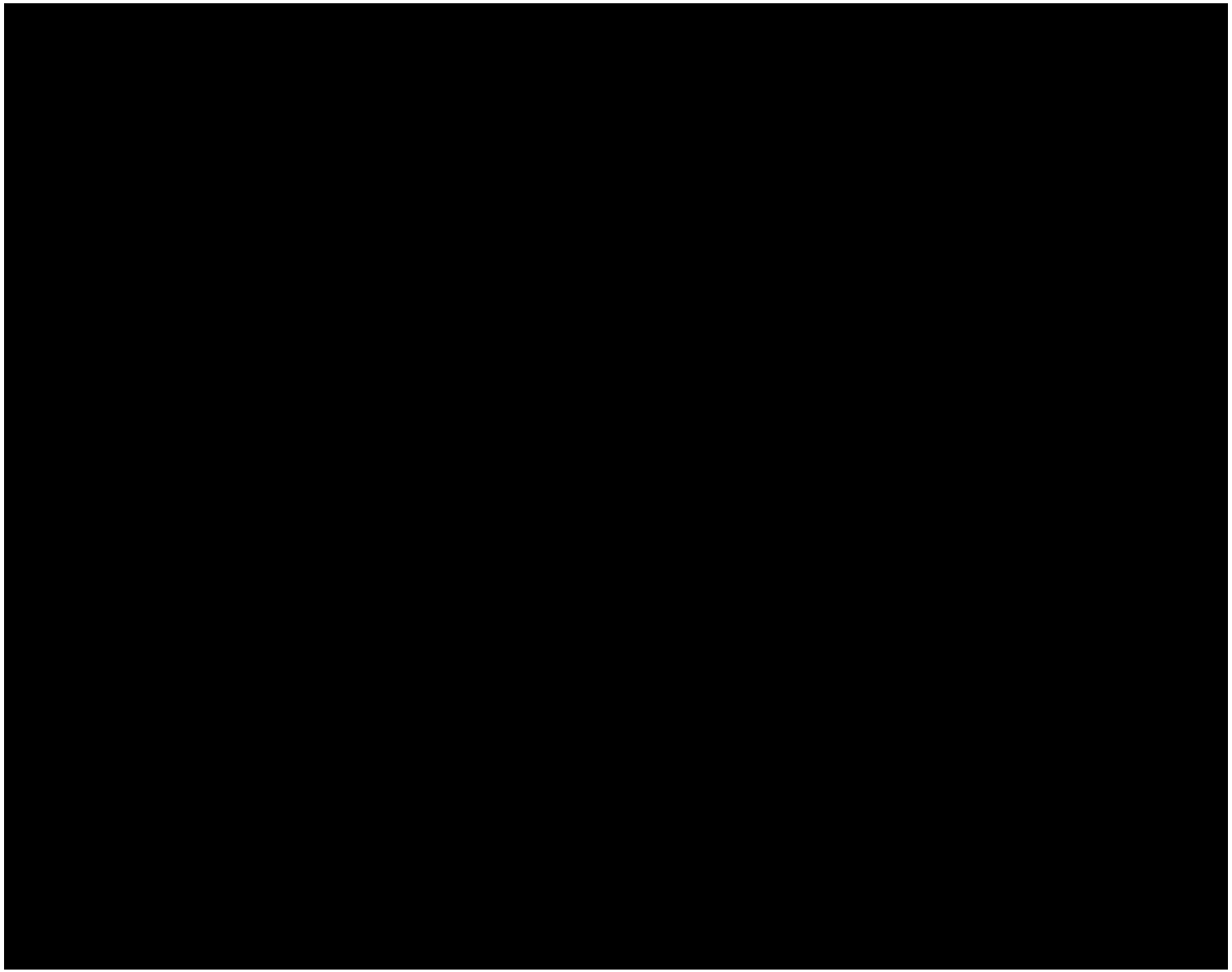
Engineering Approval: _____ [redacted] __

Attachment C. Geographic Maps

Project Approval Form



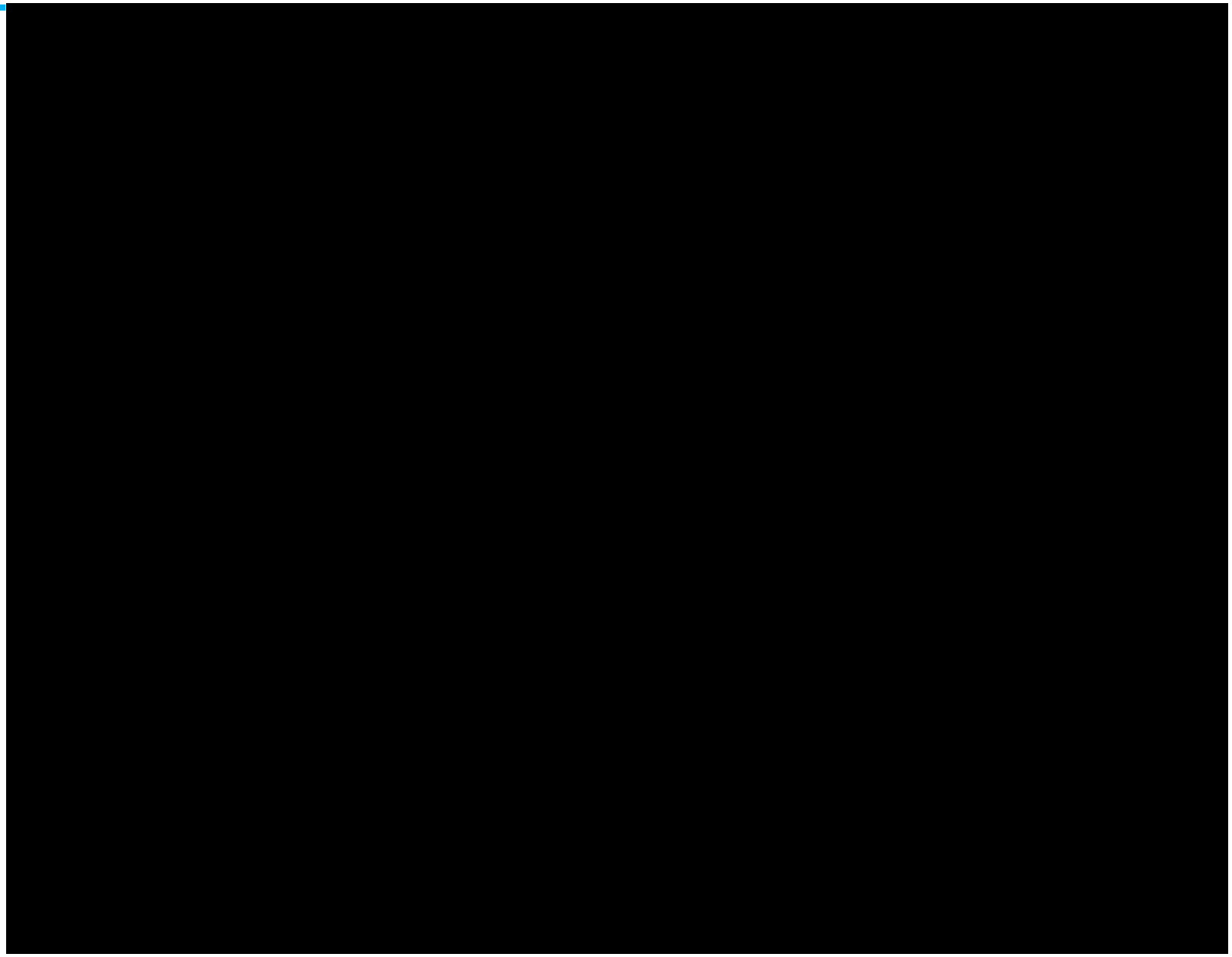




Project Approval Form



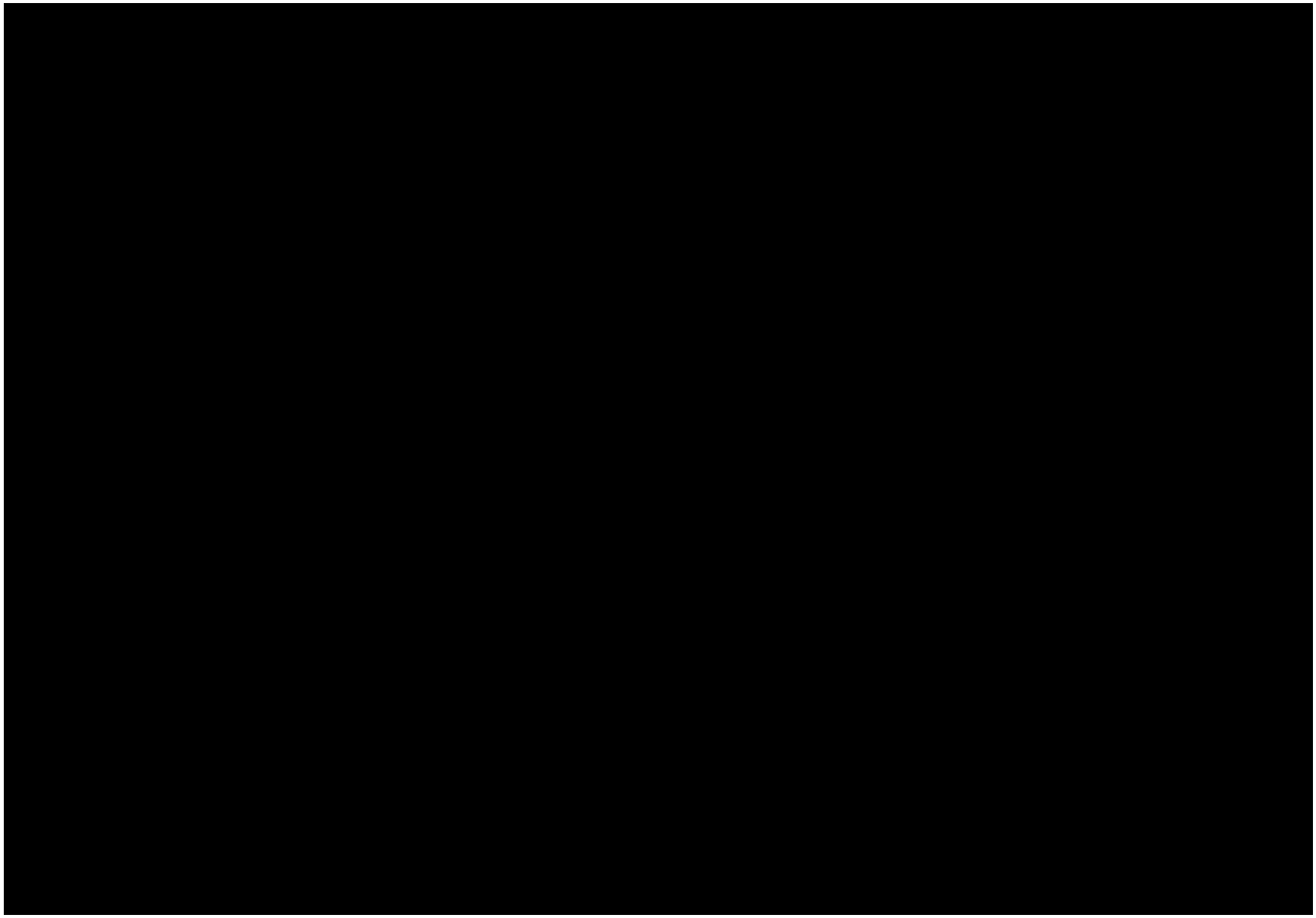
Project Approval Form

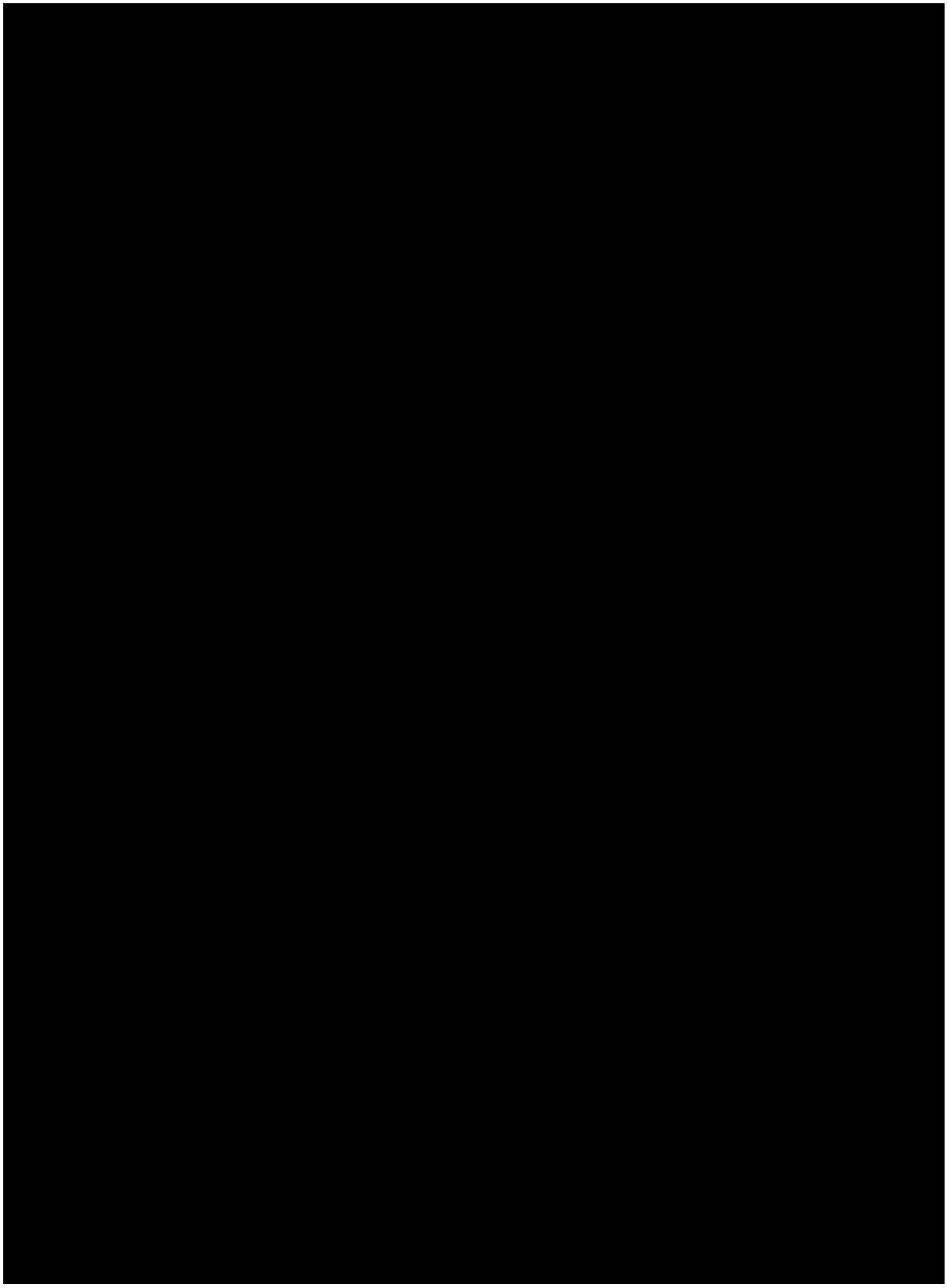


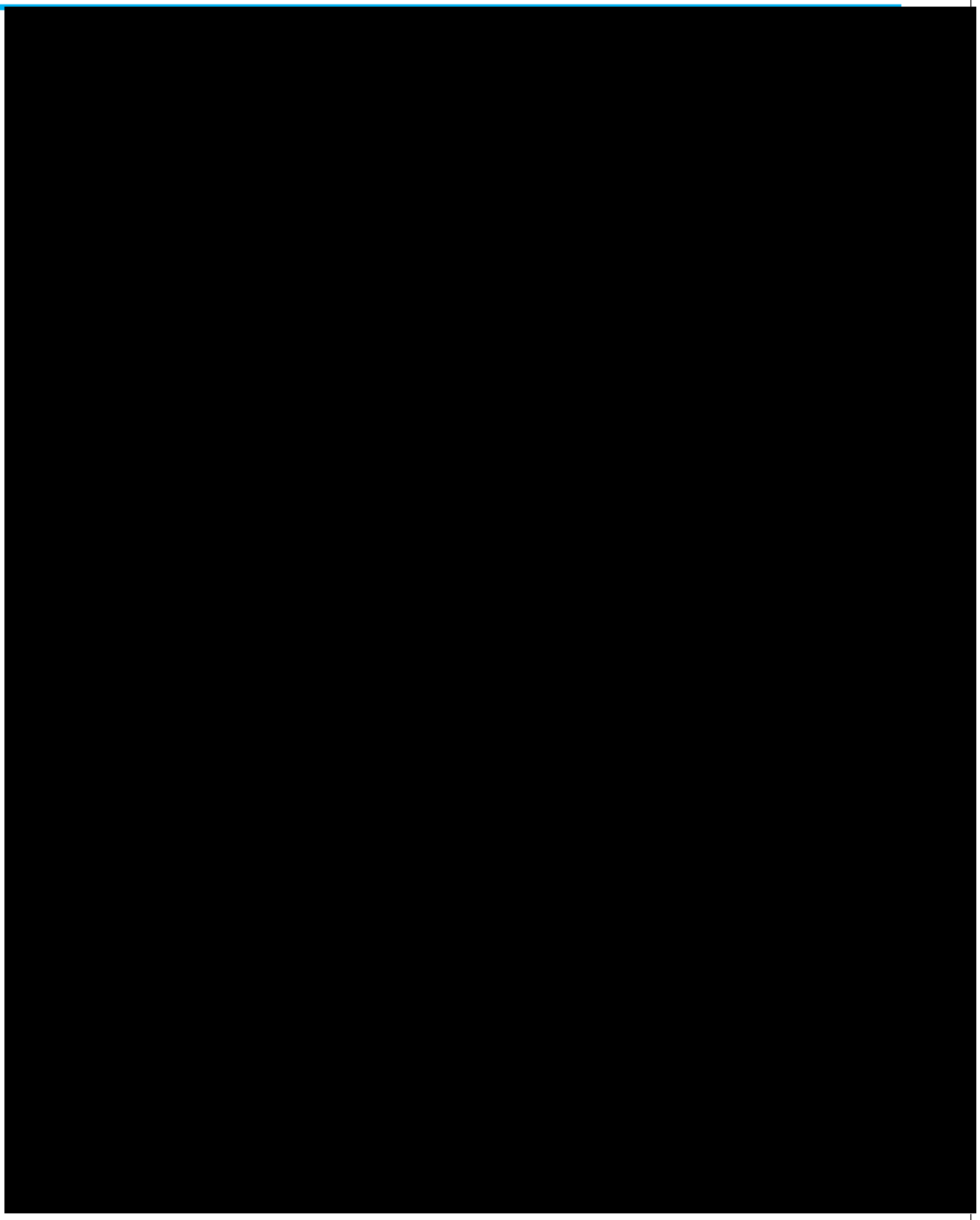
D. System and Station One-Lines.

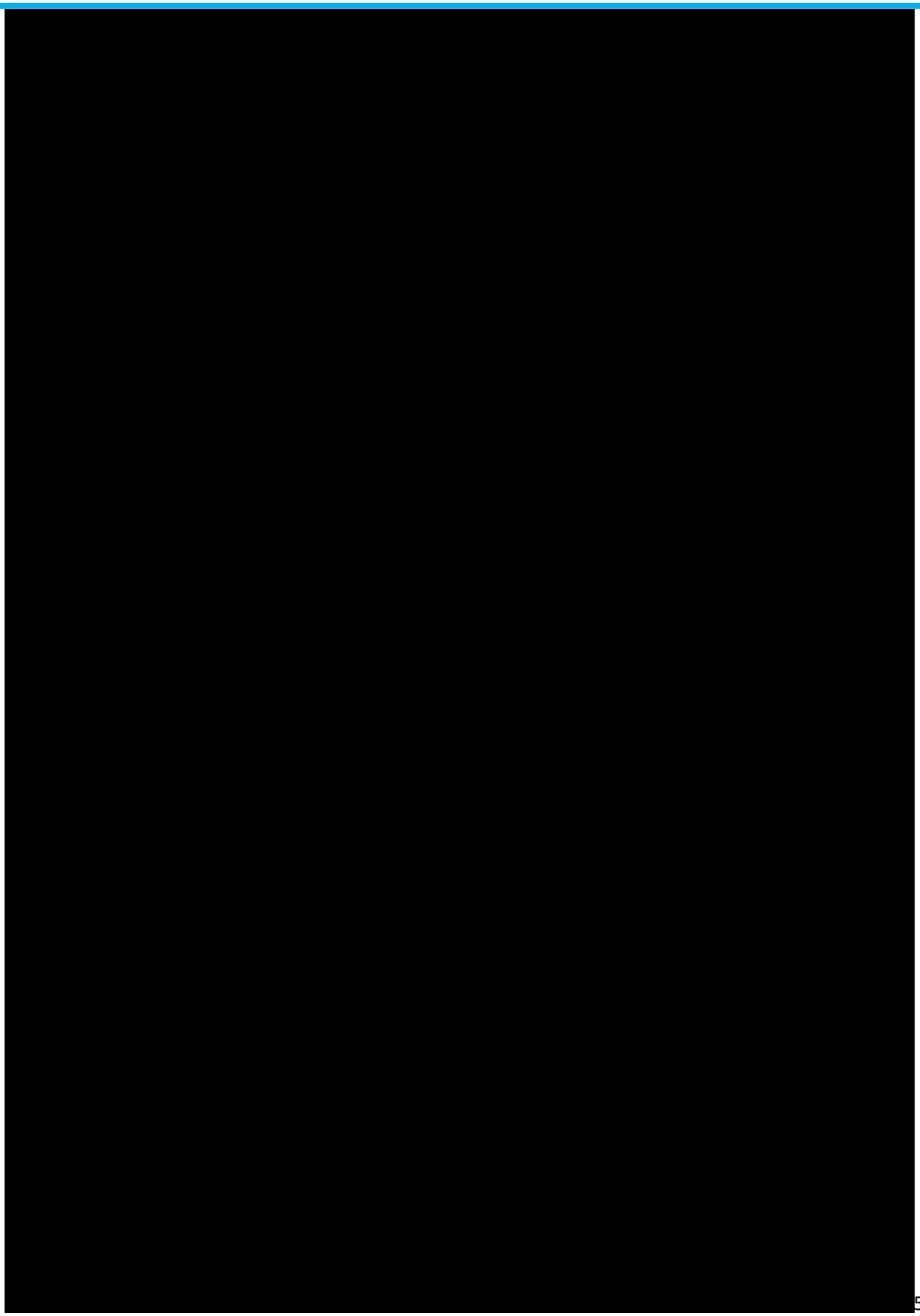


Project Approval Form









NB-12 Charges Table

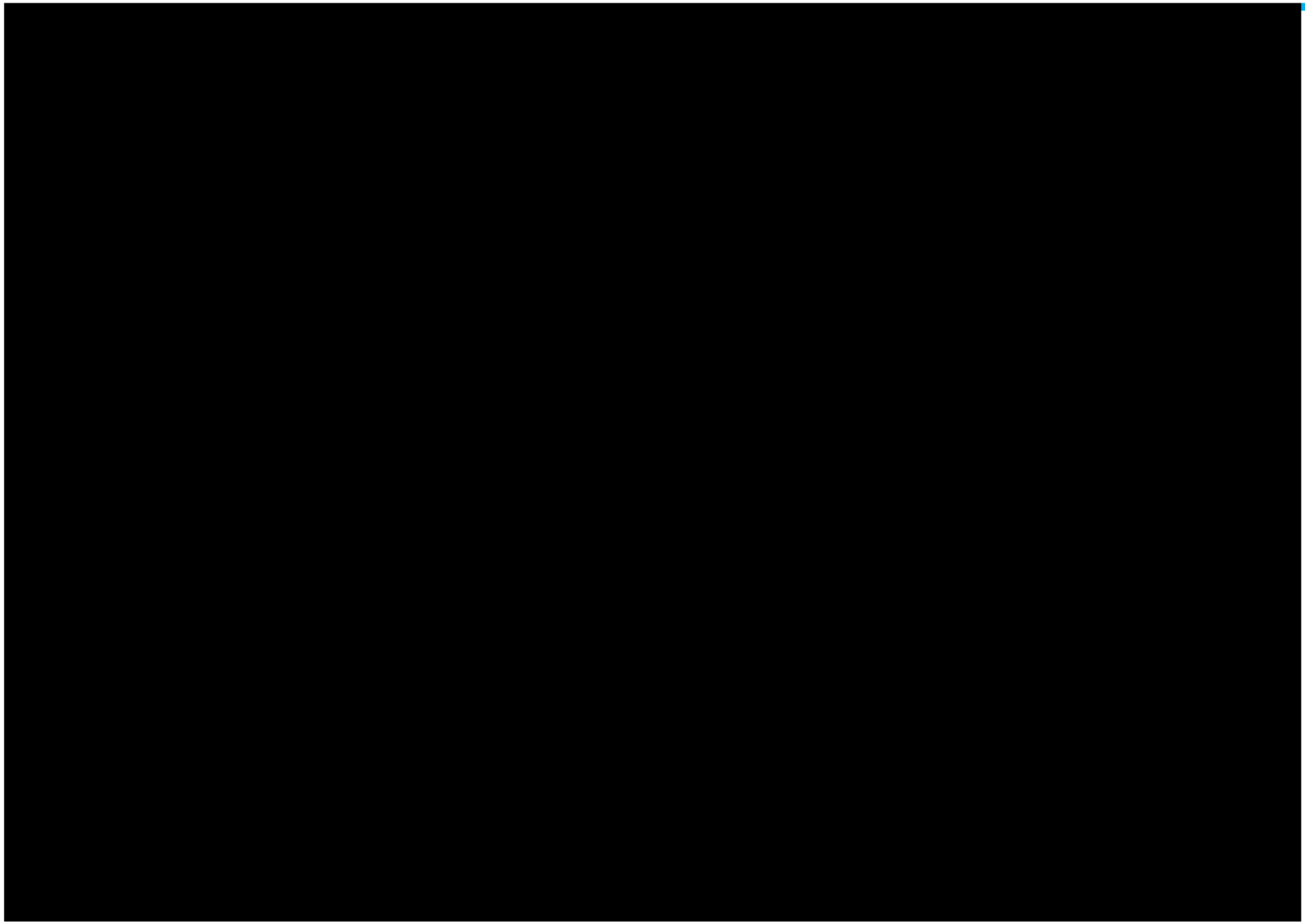
	Partial		ACT		
Total Cost		$5,884.92		$ 7,761.00	
[redacted] Overload		$725.20		$1,602.90	
Private Property Costs		$ 675.50		$1,442.44	
Total Cost Covered Under NB-2		$4,484.22		$ 4,715.66	
[redacted] Load Transfers					
Total Costs	$75		$ 184.47		
Prorated Percentage	83%		83%		Existing Available Capacity divided by half of the 4.5 MVA Load
Prorated Amount	$62		$152		
[redacted] Upgrades					
Total Costs	$ 4,409		$ 4,531		
Prorated Percentage	45%		45%		Existing Available Capacity divided by half of the 4.5 MVA Load
Prorated Amount	$ 2,002		$ 2,058		
Total Prorated Amount		$ 2,064		$ 2,210	
[redacted] Load Transfers					
Part B					
Annual Revenue	$ 200.00		$ 200.00		
6.7 times Annual Revnue	$1,340.00		$ 1,340.00		
Over the NB-12 Revenue	$ -		$ -		
Part C	$ -		$ -		
Subtotal Prorated Construction Cost	$ -		$ -		
[redacted] Load Transfers					
Part B					
Annual Revenue	$ 200.00		$ 200.00		
6.7 times Annual Revnue	$1,340.00		$ 1,340.00		
Over the NB-12 Revenue	$ -		$ -		
Part C					
Subtotal Prorated Construction Cost	$ 2,002		$ 2,058		
Part B Total		$ -		$ -	
Part C Total		$ 2,002		$ 2,058	Line of Credit
Tax 15%		$ 300		$ 309	
Total		$ 2,303		$ 2,366	

[NB-12 Cost Comparison Rev4.xlsx]PAF NB-12 Work Sheet

Attachment F. Load Sheets – Before.



Project Approval Form



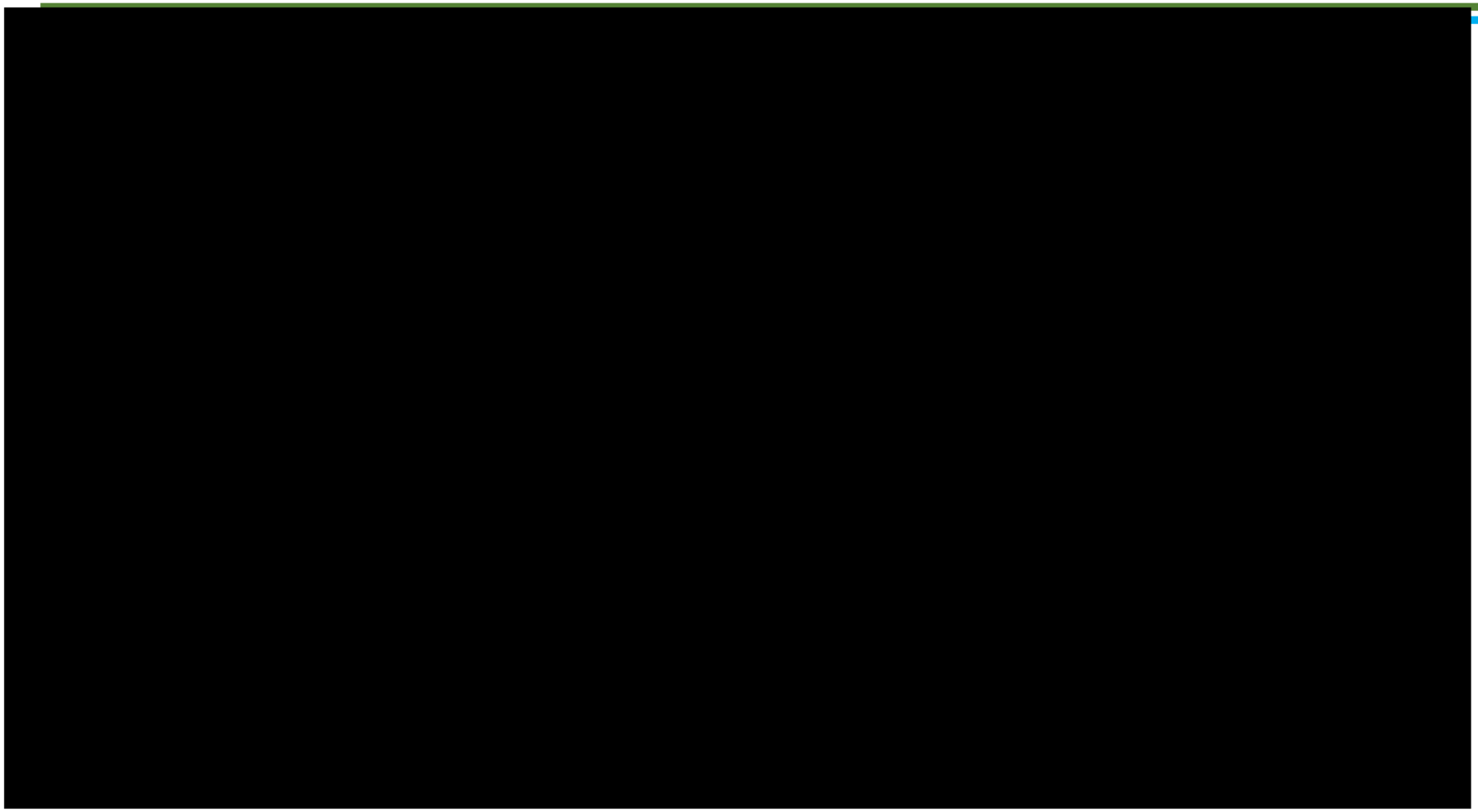
Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

Project Approval Form



Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

Project Approval Form



Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

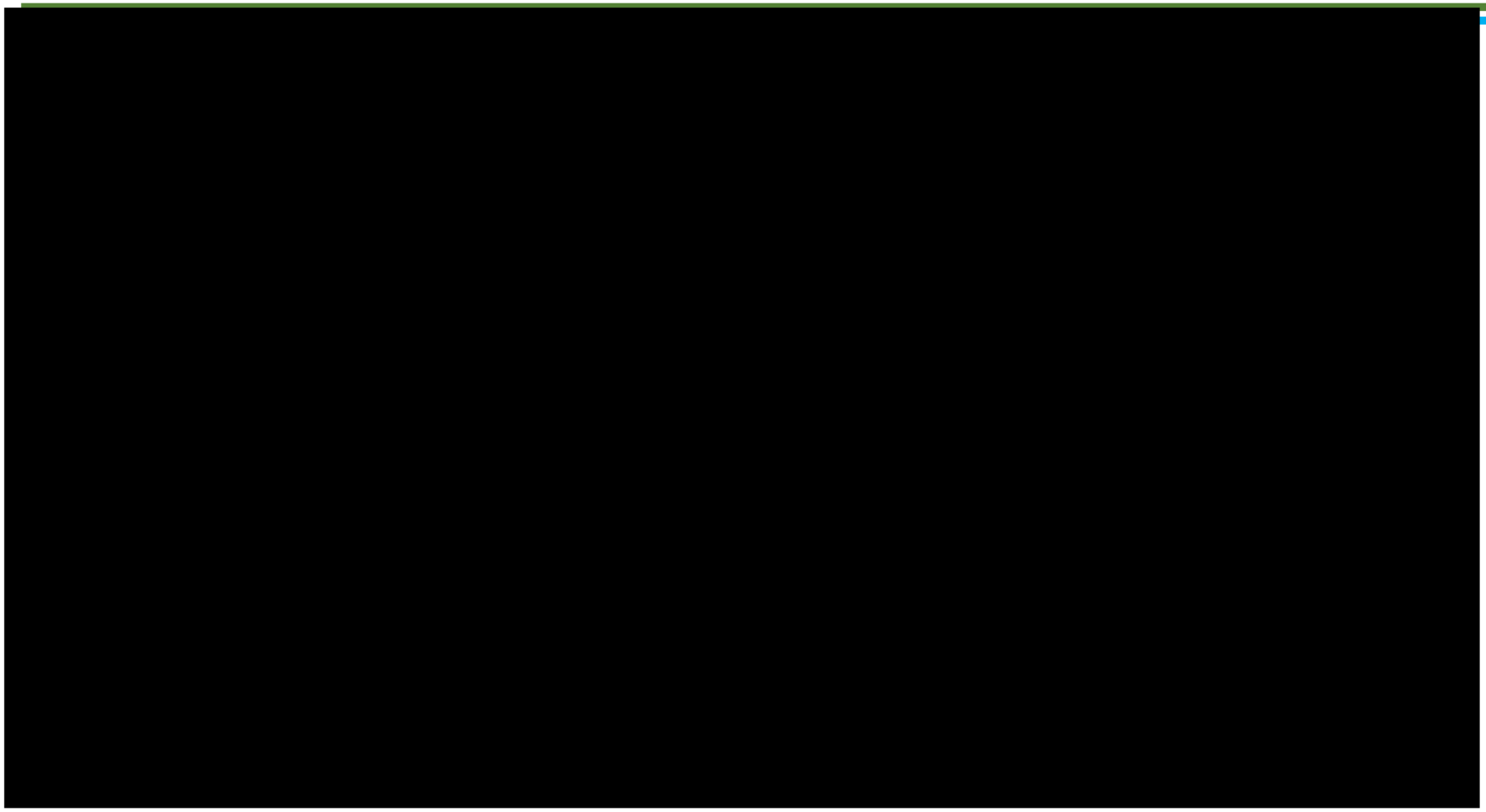
Project Approval Form



Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5



Project Approval Form



Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

Project Approval Form



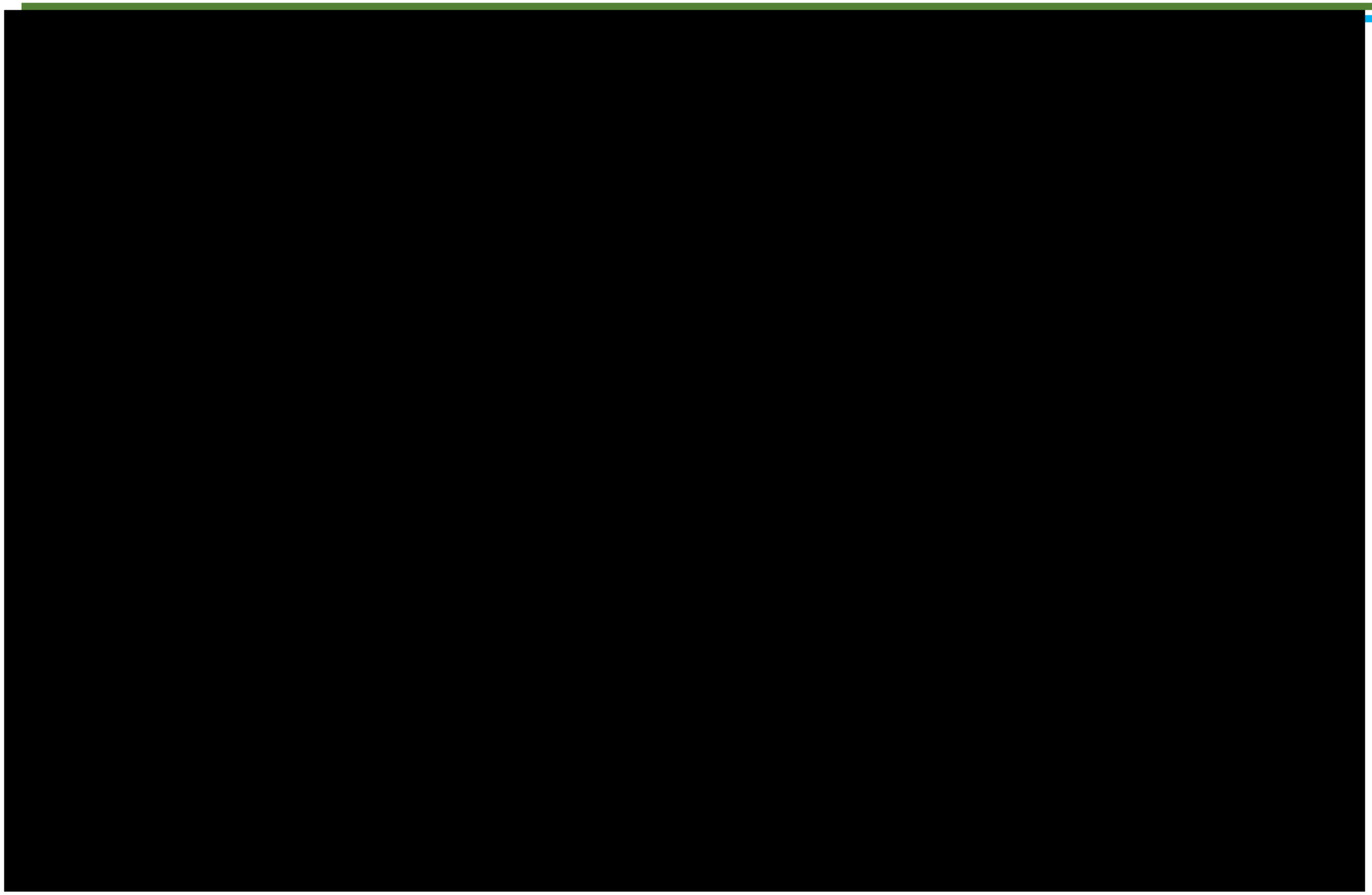
Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

Project Approval Form



Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

Project Approval Form



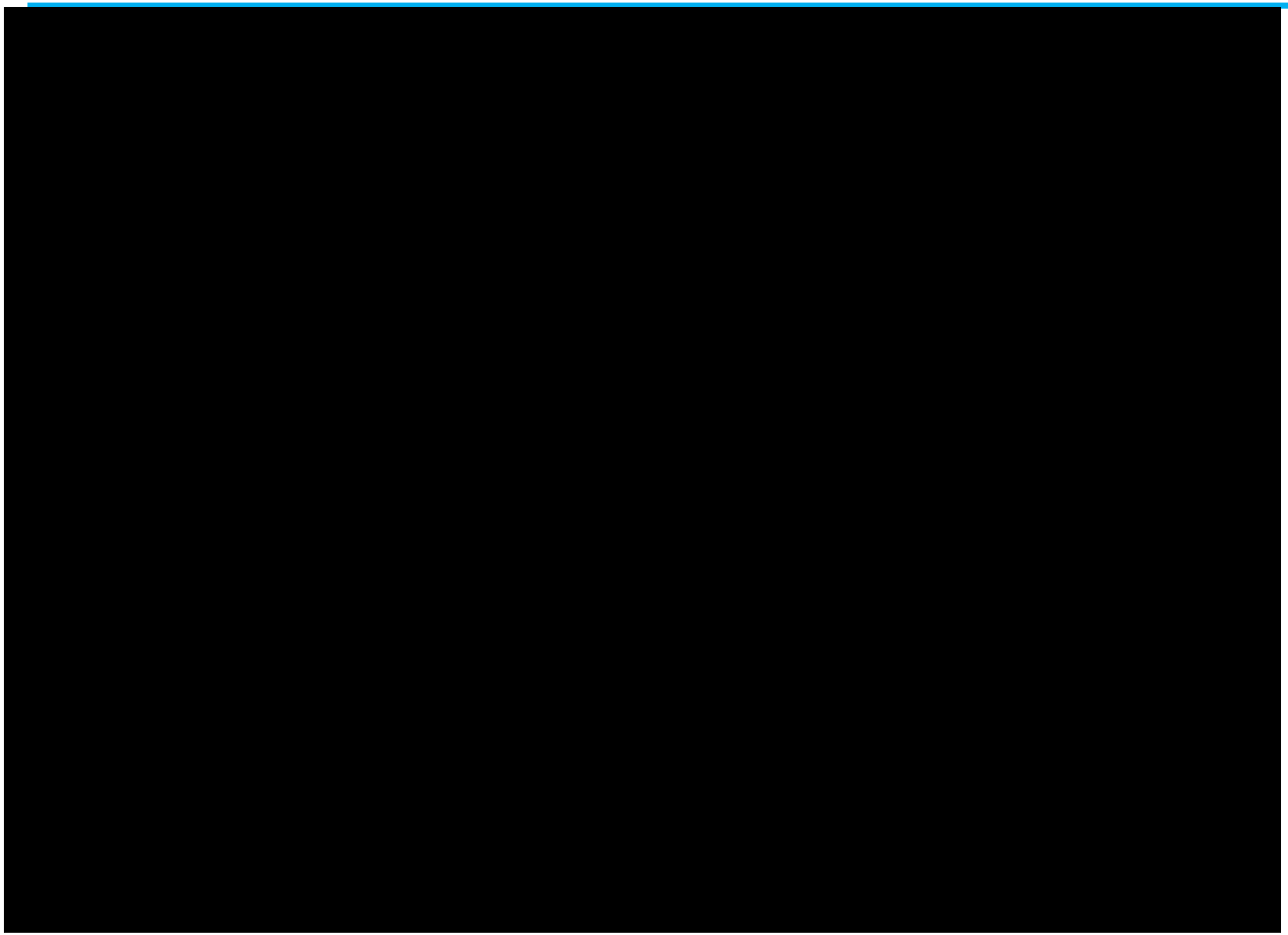
Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

Project Approval Form



Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

Project Approval Form



Project Approval Form

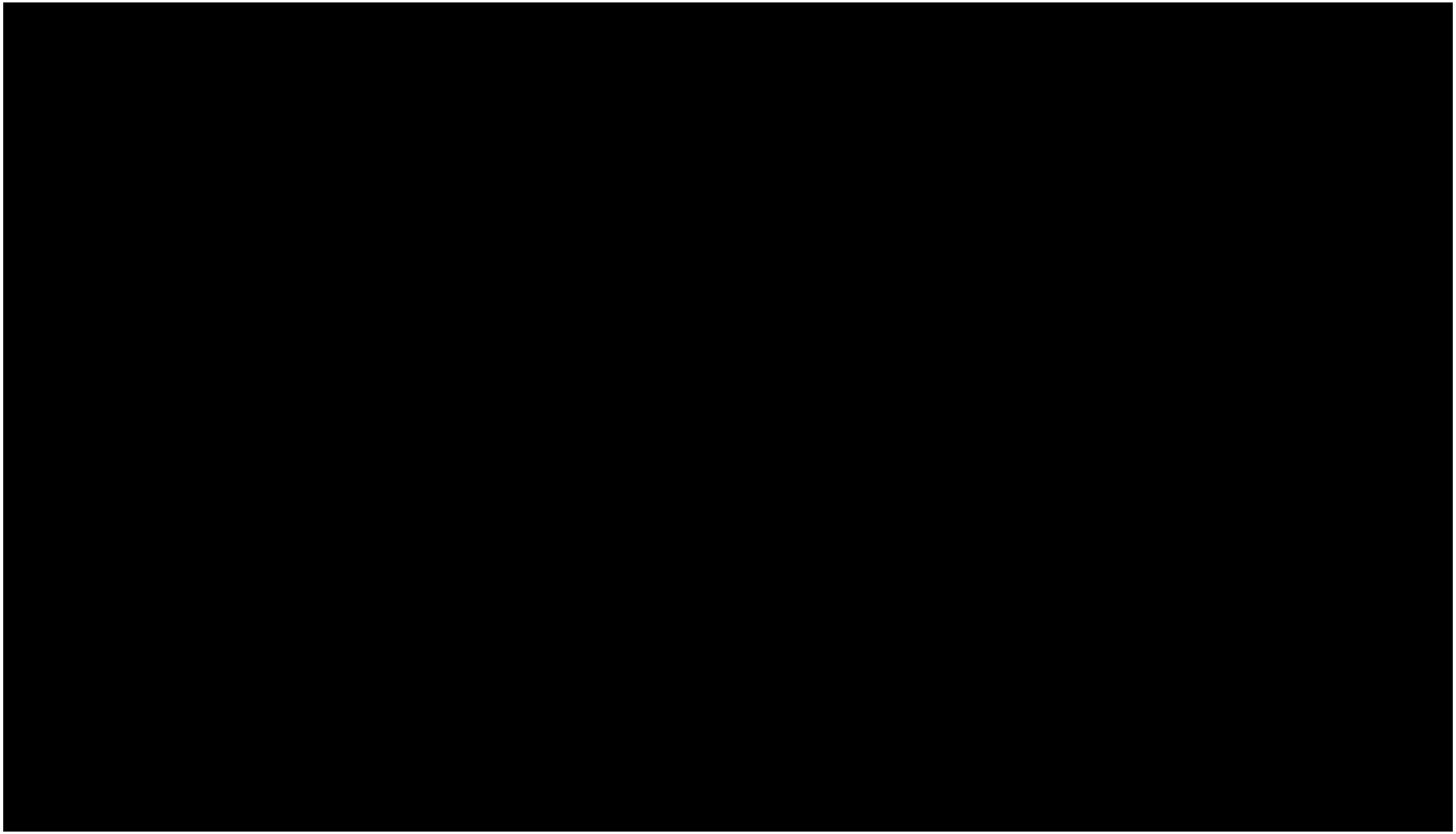


Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

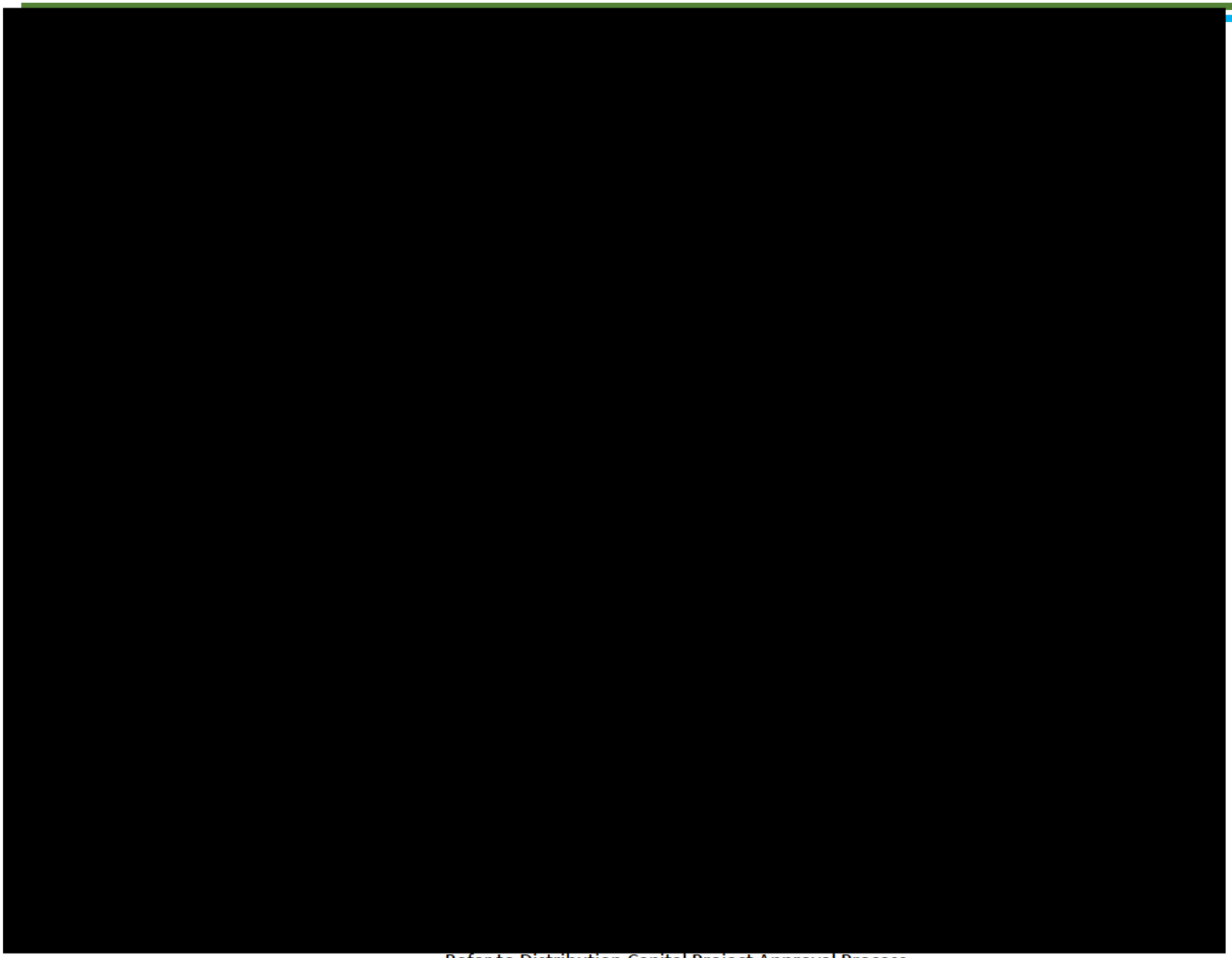
Project Approval Form



Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

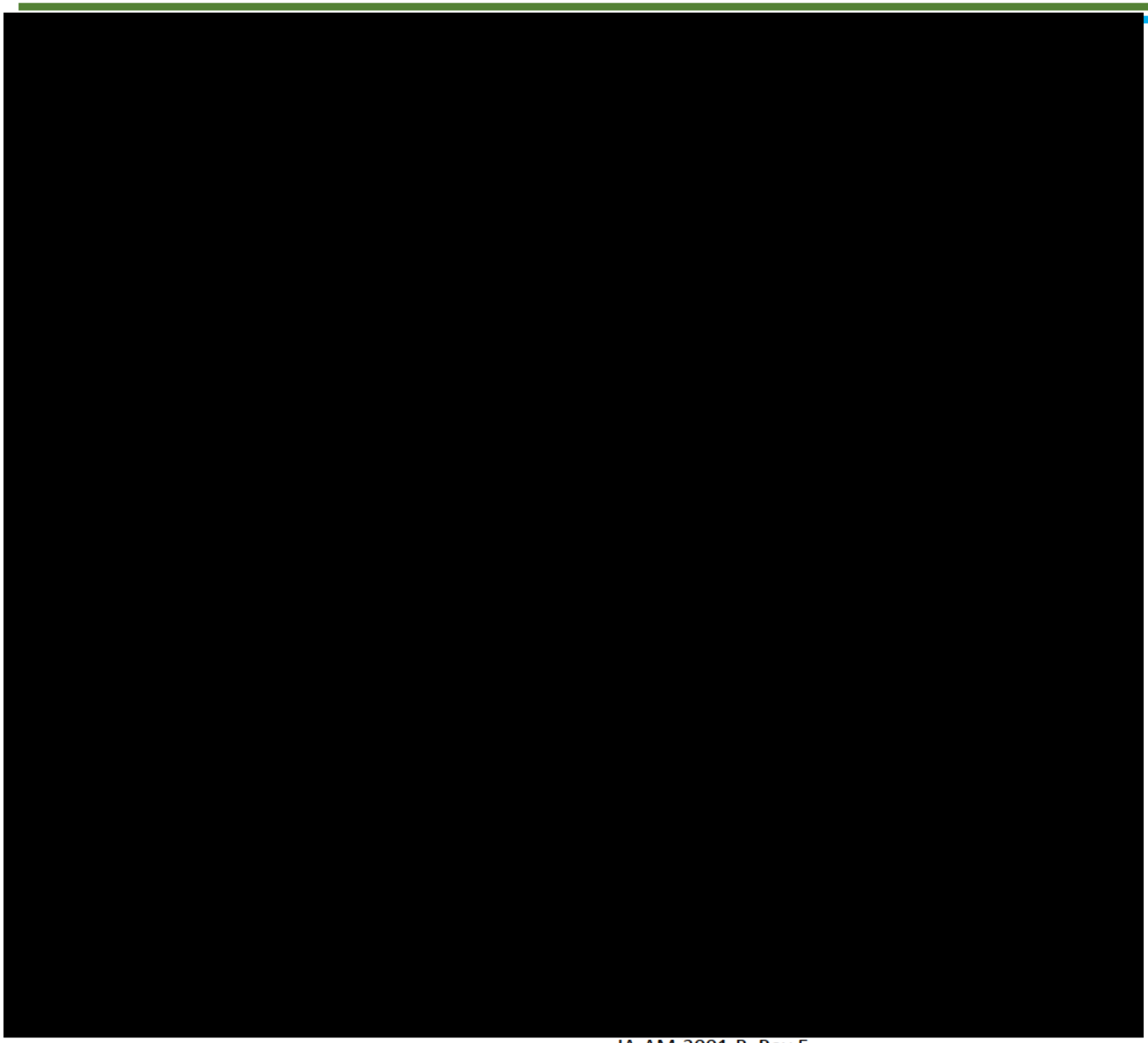


Project Approval Form



Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5





Project Approval Form



Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5



