EVERSOURCE

Operations Project Authorization Form

Approved on April 27, 2023 EPAC

Link to Meeting Minutes

Project Title: [redacted]	**Project Number: CS00554**
Date Prepared: 04/18/2023	**Company: Eversource CT**
Organization: Asset Management	**Class(es) of Plant: D SS**
Project Initiator: [redacted]	**Project Category: Annual - General**
Managing Organization: Operations	**Schedule ID#: N/A**
Project Manager: [redacted]	**Project Type: Annual**
Project Sponsor: [redacted]	**Capital Investment part of original Op Plan: Yes**
Estimated in service date: June 2023	**Emergency Related Request? No**
Eng./Constr. Resources Budgeted? Yes	**Facility Type (check all that apply):** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Total Capital Request: $370K	**Authorization Type: Full Funding**

[1] EXECUTIVE SUMMARY

This Project Authorization Form (PAF) is requesting full funding dollar authorization in the amount of $370K to [redacted]

[redacted]

[redacted]

Based upon the [redacted]

Capital Annual project CS00554 – CT Substation Fence Replacement [redacted] was initiated and approved in the amount of $100K in PowerPlan on November 18, 2021. An external construction contractor was chosen to [redacted] following the approval of CS00554. The project has exceeded the approved funding amount authorized under APS 01 which has prompted the need for the approval of this Full Funding PAF. As of March 31, 2023, approximately $246K in charges have been assigned to the work order (WO) (80139339) established under CS00554 which includes the [redacted]

[redacted]

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[2] PROJECT COSTS SUMMARY

Note: Dollar values are in thousands

Line item Category	Prior Authorized	Actuals to Date	2023 to Go	2024	Total Request
1. ROW / Easements / Land Acquisition	$	$	$	$	$
2. Environmental Approvals / Permits	$	$	$	$	$
3. Outreach	$	$	$	$	$
4. Siting Approvals / Permits	$	$	$	$	$
5. Engineering / Design	$	$0	$	$	$0
6. Materials (Eversource purchased)	$	$1	$	$	$1
7. Construction (incl materials by contractors)	$70	$140	$44	$	$183
8. Testing / Commissioning	$	$	$	$	$
9. Project Mgmt. Team	$	$21	$2	$	$23
10. Removals	$20	$9	$	$	$9
11. Other	$	$	$	$	$
12. Risks	$	$	$26	$	$26
SUBTOTAL DIRECTS W/ RISKS	**$90**	**$171**	**$72**	**$**	**$242**
13. Indirects/Overhead	$10	$68	$22	$	$89
14. AFUDC	$	$8	$19	$	$27
PROJECT TOTAL – BASELINE BUDGET	**$100**	**$246**	**$113**	**$**	**$359**
15. Contingency	$	$	$11	$	$11
TOTAL CAPITAL REQUEST	**$100**	**$246**	**$124**	**$**	**$370**
16. Reimbursables/Customer Contribution	$	$	$	$	$
PROJECT TOTAL (LESS REIMBURSABLES)	**$100**	**$246**	**$124**	**$**	**$370**
O&M	$	$	$	$	$
TOTAL REQUEST	**$100**	**$246**	**$124**	**$**	**$370**

Detail other costs, project risk items and their allocations:

Risk	Allocation
1. Weather Related Construction Delays and Overtime	$26K
Total	**$26K**

Explain unique payment provisions, if applicable:

[redacted]. The work was completed in May 2022. In February 2023, an updated proposal was received from the construction contractor in the amount of $39K to [redacted]

Identify and detail any unique O&M impacts resulting from this project:

There are no unique Operations and Maintenance (O&M) impacts resulting fro [redacted]

[3] Technical Justification

Project Need, Objective and Justification

[redacted]

[redacted]

Project Scope

[redacted]

[redacted]

Substation Equipment

Station	Device Position / Nomenclature	Device Removals *include manufacturer*	Device Additions *include manufacturer*
[redacted]	N/A	[redacted]	[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[4] ALTERNATIVES CONSIDERED

Alternative 1: [redacted] (Estimated cost $0).

[redacted]

[redacted]

[redacted]

Alternative 2: [redacted]
(Estimated cost $246K).

[redacted]

Alternative 3 (Preferred Solution): [redacted] **(Estimated cost $370K).**

[redacted]

[5] PROJECT SCHEDULE

Milestone	Scheduled Completion Date
IFR Approval	N/A
SDC Approval (for applicable projects)	N/A
Conversion of Tx development costs, 183 to 107	N/A
EPAC Partial Funding Approval	N/A
Preliminary Design Completion	N/A
Capital Annual Approved	November 2021
Start of Construction	December 2021
EPAC Full Funding Approval	April 2023
Siting Approval	N/A
Project In-Service Date (ISD)	June 2023
Project Need Date	N/A
ISO Related Milestones:	
• ISO Preferred Alternative Selected	N/A
• PAC Presentation	N/A
• TCA Submittal	N/A

[6] REGULATORY APPROVALS

Regulatory approvals will not be required to [redacted]

[7] Risk and Risk Mitigation Plans

Contingency:

A contingency allowance of $11K has been included in the estimate to account for any unanticipated costs.

Risk Mitigation:

Risk	Mitigation
1. Weather Related Construction Delays and Overtime	Unanticipated weather events may restrict the construction vendor's ability to perform the remaining construction activities. This risk cannot be avoided as this risk is associated with unpredictable weather events and associated employee reassignments in the event storm duty activation occurs. To mitigate this risk, the project team will remain in ongoing contact with substation operations and the external construction vendor as the construction remobilization date is coordinated. Furthermore, additional funds have been allocated within the Full Funding estimate.

[8] References

References
1. Updated Proposal – Construction Services Vendor
2. NEC 110.31 – Enclosure for Electrical Installations
3. SUB 015.1 – [redacted]
4. CAT 3001 – Substation Grounding Material Catalog
5. APS01 – Project Authorization Policy
6. CS00554 – [redacted] – Approved Capital Annual Request Form, dated 11.17.2021

[9] Attachments (One-Line Diagrams, Images, etc.)

Attachment	Included in Submittal?
A. Full Funding Cost Estimate	*YES*
B. P6 Schedule	*N/A*
C. Constructability Review	*N/A*

INSTRUCTIONS:
It is the responsibility of the initiator to contact the subject matter experts in the listed area disciplines to determine if the project considerations contained in this list are applicable to their project. They should fill out the checklist and determine a transition plan for the purpose of project execution. See the PAF Guide for additional instruction.

Project Checklist - Transmission & Substation Capital Project			
Project Name: [redacted]		**Project Number: CS00554**	
Facility Type: ☐BPS ☐BES ☐PTF ☐PTF non-regional ☐non-PTF ☐CIP ☒Distribution ☐General Plant			
PLANNING			
Is a NX-9 required?		No	
Is an ISO-NE PAC presentation required?		No	
ISO-NE Presentation Date (if completed):		N/A	
Cost in ISO-NE Presentation ($M) (if completed):		N/A	
Is a PPA required?		No	
ISO-NE Approval Date (if completed):		N/A	
Is a TCA Application Required?		No	
TCA Submittal Date (if submitted):		N/A	
Cost in TCA Submittal ($M) (if submitted):		N/A	
Enter ISO-NE RSP / Asset Condition ID, if assigned:		N/A	
PLANNING/PROTECTION & CONTROLS			
Are RAS/SPS/UVLs affected?		No	
OPERATIONS			
Outage Required?	☐ Primary Equipment (Power Transfer)	☐ Secondary Equipment (P&C only)	☒ Outage Not Required
Do SCLL Conditions Exist?		No	
Has an outage schedule been approved?		NR	
Are Operations & Maintenance procedures/training required?		No	
STANDARDS			
Does the project include standard equipment and designs?		Yes	
SUBSTATION ENGINEERING			
Does this impact Revenue Metering		No	
Is preliminary short circuit/ breaker duty analysis required?		No	
Are there any changes to the baseline audible noise?		No	
Is there an impact to the existing ground grid?		No	
Is a Transient Over Voltage (TOV) analysis required?		No	

Project Checklist - Transmission & Substation Capital Project	
Project Name: [redacted]	**Project Number: CS00554**
P&C ENGINEERING	
OP-22 - Are PMUs and DDR required?	No
If BPS, is an NPCC Directory #4 presentation required?	No
Are ISO-NE OP-24 Appendix B updates necessary?	No
TRANSMISSION LINE ENGINEERING	
Are there any changes that affect the baseline EMF?	No
Are there any changes that affect the baseline EMI?	No
SITING	
Has Siting reviewed this project?	No
Name of Siting contact:	N/A
Is a Siting filing required? *(If yes, list in regulatory approvals section)*	No
PERMITTING	
Is there any permitting required? *(If yes, list in regulatory approvals section)*	No
PROJECT SERVICES (OUTREACH) and ROW WORK COORDINATION	
Has Project Services reviewed this project?	No Choose an item
Name of Project Services contact:	N/A
What is the level of outreach expected?	None
Is any part of this project in an Environmental Justice Community?	No
Has ROW Coordination reviewed this project?	N/A
Is this project coordinating with other existing scheduled work?	No
INITIATOR	
Has a field constructability review been completed?	NR
INVESTMENT RECOVERY	
Does the project require development of an Investment Recovery plan?	No
COST ESTIMATING	
What team/firm prepared the cost estimate?	Other (specify below)
Name of the person who prepared the estimate:	[redacted] – Asset Management
Was the estimate reviewed by Eversource Estimating?	No - Indirects Only – [redacted]

Instructions:
1. Input the project type info into the green cells on the Overall summary tab / answer escalation question
2. Input direct costs (SOLI,ARR,IMC/SOFR) and customer contribution (if applicable) in the green highlighted cells for the appropriate company which are separate tabs (green tabs)
3. Input customer contribution as a negative number
4. T vs. S and Line work and station work have different factor rates so make sure you fill out the correct template section of each tab
5. Input years in green cells on overall summary tab, they then flow thru to the other tabs.

Template version: ver23

Template version: ver23

D - Station Work

Direct Costs

WBS Code	WBS Description	Rates	Prior Authorized	Actuals to Date	2025		2024	2026	2026	2027	2028	2029	2030	2031	2032	Total
	Costs															
	Brenntecs Internal															
1	ROW / Easements / Land purchase															
2	Environmental Approvals / Permits															
3	Outreach															
4	Bldg Approvals / Permits															
5	Engineering / Design			$ 76												
6	Materials			$ 1,085												
7	Construction				$ 4,536	CP, [redacted] to Spec, [redacted] lot, per vendor quote's remaining niche (per [redacted] from [redacted] 5/1/25. [redacted] 5/4/25. Rate taken from 400718 - 10kg/y 23 PP PAF estimate dated 03.17.23 (estimate C.23-06).										
8	Testing / Commissioning															
9	PMT Project Mgmt Team															
10	Removals			$ 4												
11	Other															
12	Risks															
13	Contingency															
	Outside vendor or contractor															
1	ROW / Easements / Land purchase															
2	Environmental Approvals / Permits															
3	Outreach															
4	Bldg Approvals / Permits															
5	Engineering / Design															
6	Materials															
7	Construction		$ 70,650	$ 268,870	$ 99,107	Quote for remaining services. Per Matrix quote dated 02.15.25.										
8	Testing / Commissioning															
9	PMT Project Mgmt Team			$ 31,057	$ 3,400	PM and [redacted] - 3k - PP PAF and drawout. Rate taken from [redacted] 10kg/y 23 PP PAF estimate dated 03.17.23 (estimate C.23-06).										
10	Removals		$ 24,850	$ 8,524												
11	Other															
12	Risks	Percentage of Project Total [redacted]	7.00%		$ 28,500	Presently 7% of Project Total inclusive of all Actuals, Directs, and Indirects. Rationale from 400718 - 10kg/y 23 PP PAF estimate dated 03.17.23 (estimate C.23-06). Formerly: For construction defects and any overtime 5% of external vendor quote. $28,100 * 0.05 = $1,404.00 Rate taken from 400718 - 10kg/y 23/24MF Replacement Project Preliminary estimate dated 03.17.23 Presently 3% of Project Total inclusive of all Actuals, Directs, Risks, and Indirects. Rationale from 400718 - 10kg/y 23 PP PAF estimate dated 03.17.23 (estimate C.23-06).										
13	Contingency	Percentage of Project Total [redacted]	3.00%		$ 11,100	Formerly: 3% of total ($47,004 * .03) $1,436.93 Rate taken from 400718 - 10kg/y 23/24MF Replacement Project Preliminary estimate dated 03.17.23										
			$ 95,500	$ 170,896	$ 82,629		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 203,426
	Escalation (If not included above)															
	Escalation rates - Brenntecs Labor															
	Escalation rates - outsourced labor															
	Escalation rates - Materials															
	Brenntecs Internal															
1	ROW / Easements / Land purchase		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Environmental Approvals / Permits		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2			$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
3	Outreach		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	Bldg Approvals / Permits		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Engineering / Design		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Materials		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7	Construction		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
8	Testing / Commissioning		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
9	PMT Project Mgmt Team		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
10	Removals		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
11	Other		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	Risks		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	Contingency		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Outside vendor or contractor															
1	ROW / Easements / Land purchase		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2	Environmental Approvals / Permits		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
3	Outreach		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	Bldg Approvals / Permits		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Engineering / Design		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Materials		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7	Construction		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
8	Testing / Commissioning		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
9	PMT Project Mgmt Team		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
10	Removals		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
11	Other		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	Risks		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	Contingency		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Escalated costs															
	Brenntecs Internal															
1	ROW / Easements / Land purchase		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2	Environmental Approvals / Permits		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
3	Outreach		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	Bldg Approvals / Permits		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Engineering / Design		$ -	$ 76	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Materials		$ -	$ 1,085	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7	Construction		$ -	$ -	$ 4,536		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
8	Testing / Commissioning		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
9	PMT Project Mgmt Team		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
10	Removals		$ -	$ 4	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
11	Other		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	Risks		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	Contingency		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Outside vendor or contractor															
1	ROW / Easements / Land purchase		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2	Environmental Approvals / Permits		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
3	Outreach		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	Bldg Approvals / Permits		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Engineering / Design		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Materials		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7	Construction		$ 70,650	$ 268,870	$ 99,107		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
8	Testing / Commissioning		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
9	PMT Project Mgmt Team		$ -	$ 31,057	$ 3,400		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
10	Removals		$ 24,850	$ 8,524	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
11	Other		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	Risks		$ -	$ -	$ 28,500		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	Contingency		$ -	$ -	$ 11,100		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
			$ 95,500	$ 170,896	$ 82,629		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 203,426
note																
Labor (FMP/CM/Ins/Cutover/Wtng)	Labor (FMP/CM/Ins/Cutover/Wtng)		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Labor (Rng/Comm/Test)	Labor (Rng/Comm/Test)		$ -	$ -	$ 4,536		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Materials	Materials		$ -	$ 1,085	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Outside Services	Outside Services		$ 70,650	$ 268,870	$ 41,507		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Other	Other		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Risks	Other		$ -	$ -	$ 28,500		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Contingency	Other		$ -	$ -	$ 11,100		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Direct Costs	Total Direct Costs		$ 95,500	$ 270,954	$ 85,635		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 203,426
Customer Contribution	Customer Contribution						$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Indirect Costs	Indirect Costs															
Non-Productive(NPT)	Non-Productive(NPT)	17.0%	$ -	$ -	$ 724	17.0%	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 724
Payroll Benefits(PYB)	Payroll Benefits(PYB)	44.0%	$ -	$ -	$ 2,134	44.0%	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,134
General Services(GSS)	General Services(GSS)	62.0%	$ 10,850	$ 76	$ -	62.0%	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 76
MDR(CSS)	MDR(CSS)	0.0%	$ -	$ 6,479	$ 3,655	0.0%	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 10,133
R&A(CSS, CSI, ZSI)	R&A(CSS, CSI, ZSI)	34.0%	$ -	$ 56,704	$ 19,640	34.0%	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 76,345
AB&R(CSI)	AB&R(CSI)	1.5%	$ -	$ 2,563	$ 742	1.5%	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,305
Lobby Shell	Lobby Shell		$ -	$ -	$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Stores (not rates)(SRT)	Stores (not rates)(SRT)	0.0%	$ -	$ 145	$ -	0.0%	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 145
Vehicles(EVR)	Vehicles(EVR)	34.0%	$ -	$ 3	$ 1,313	34.0%	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,316
Total Indirect Costs	Total Indirect Costs		$ 10,850	$ 67,770	$ 28,706		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 96,476
Total Costs (w/ AFUDC)	Total Costs (w/ AFUDC)		$ 106,350	$ 338,724	$ 114,341	8.50%										$ 559,415
AFUDC(AFU)							8.50%	8.50%	8.50%	8.50%	8.50%	8.50%	8.50%	8.50%	8.50%	
AFUDC Rt	AFUDC		$ 7,412		$ 19,364											$ 26,776
TOTAL $	TOTAL $		$ 113,762	$ 338,724	$ 133,705											$ 586,191