EVERSOURCE

Operations Project Authorization Form

Approved on April 11, 2024 EPAC

Link to Meeting Minutes

Project Title: [redacted] – Install HVAC & H2 Detection	**Project Number: CS00707**
Date Prepared: 04/01/2024	**Company: Eversource CT**
Organization: Asset Management	**Class(es) of Plant: D SS**
Project Initiator: [redacted]	**Project Category: Stations - Control House**
Managing Organization: Engineering	**Schedule ID#: TBD**
Project Manager: Operations	**Project Type: Specific**
Project Sponsor: [redacted]	**Capital Investment part of original Op Plan: Yes**
Estimated in service date: August 2024	**Emergency Related Request? No**
Eng./Constr. Resources Budgeted? Yes	**Facility Type (check all that apply):** ☐ **PTF** ☐ **non-PTF** ☐ **local PTF** ☒ **Distribution** ☐ **N/A (General Plant)**
EJ Community: No	**Authorization Type: Partial Funding**
Total Capital Request: $296K	

[1] Executive Summary

This project is requesting partial funding in the amount of $296K to continue a project at [redacted], Connecticut to install the Hydrogen (H2) detection systems, air condition units and fire and smoke alarm systems within the control enclosure of the substation. This project is expected to come for full funding in May 2024.

This work was started under the annual project, CT DSS Obsolesce Annual (DCSN) and Work order (WO#) DSN03010 (Reference 1). The work order was initiated on 3/13/2020. This Project Authorization Form (PAF) provides the documentation necessary to transfer the capital charges from WO #DSN03010 to project number CS00707, as the purchase of four (4) air conditioning units charges exceeded the $100K direct cost annual work order limit imposed by APS-01 (Reference 2) at the time of the project and in accordance with policies outlined in the Capital Approval Process Job Aid JA- AM-2001-A (Reference 3).

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[2] Project Costs Summary

Note: Dollar values are in thousands and rounded to nearest thousand

Line item Category	Prior Authorized	Actuals to Date	2024 to Go	2025	2026	2027	2028	Total Request
1. ROW / Easements / Land Acquisition	$	$	$	$	$	$	$	$
2. Environmental Approvals / Permits	$	$	$	$	$	$	$	$
3. Outreach	$	$	$	$	$	$	$	$
4. Siting Approvals / Permits	$	$	$	$	$	$	$	$
5. Engineering / Design	$	$7	$10	$	$	$	$	$17
6. Materials (Eversource purchased)	$	$21	$15	$	$	$	$	$36
7. Construction (incl materials by contractors)	$	$96	$28	$	$	$	$	$124
8. Testing / Commissioning	$			$	$	$	$	
9. Project Mgmt. Team	$	$2	$2	$	$	$	$	$4
10. Removals	$		$	$	$	$	$	
11. Other	$		$	$	$	$	$	
12. Risks	$			$	$	$	$	
SUBTOTAL DIRECTS W/ RISKS	**$**	**$126**	**$55**	**$**	**$**	**$**	**$**	**$181**
13. Indirects/Overhead	$	$37	$62	$	$	$	$	$99
14. AFUDC	$	$1	$16	$	$	$	$	$17
PROJECT TOTAL – BASELINE BUDGET	**$**	**$164**	**$132**	**$**	**$**	**$**	**$**	**$296**
15. Contingency	$	$0	$	$	$	$	$	$
TOTAL CAPITAL REQUEST	**$**	**$164**	**$132**	**$**	**$**	**$**	**$**	**$296**
16. Reimbursables/Customer Contribution	$	$0	$	$	$	$	$	$
PROJECT TOTAL (LESS REIMBURSABLES)	**$**	**$164**	**$132**	**$**	**$**	**$**	**$**	**$296**
O&M	$	$	$	$	$	$	$	$
TOTAL REQUEST	**$**	**$164**	**$132**	**$**	**$**	**$**	**$**	**$296**

Detail other costs, project risk items and their allocations:

Risk	Allocation
1. *-Risk will be included with the full funding request*	$
Total	$0

Explain unique payment provisions, if applicable:

Four numbers (4) Air conditioning units have been ordered under the PO # 13146786.

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

[3] Technical Justification

Project Need, Objective and Justification

This project will involve the installation of Hydrogen detection units, installation of air conditioning units, and installation of smoke and fire alarms at [redacted]

The installation of air conditioning units, Hydrogen detecting systems, and smoke/fire alarm systems is needed to continue the reliable operation of the control house at [redacted] per SUB 22.5 - HVAC Systems & Associated Controls (Reference 4).

Project Scope

The scope of this project included the following:

- Installation of a Hydrogen detection system (ARGG), four (4) air conditioning systems (Olsen), and smoke/fire alarm systems
- Install A/C breakers
- Connect the fire alarm to SCADA

[4] Alternatives Considered

There were no alternatives considered.

[5] Project Schedule

Milestone	Scheduled Completion Date
Annual WO# Initiation (DSN03010)	December 2020
SDC Approval (for applicable projects)	N/A
Conversion of Tx development costs, 183 to 107 (applicable to projects that require SSF approval and/or ISO preferred alternative selection)	N/A
EPAC Partial Funding Approval (For applicable projects)	April 2024
Preliminary Design Completion (Or latest pre-full funding design phase)	N/A
EPAC Full Funding Approval	May 2024
Siting Approval (For applicable projects)	N/A
Start of Construction	June 2024
Project In-Service Date (ISD)	August 2024
Project Need Date (For applicable projects)	N/A
ISO Related Milestones: (For applicable projects)	
• ISO Preferred Alternative Selected	N/A
• PAC Presentation	N/A
• TCA Submittal	N/A

[6] Regulatory Approvals

This [redacted] is not located within an EJ community. There is no building or other permits required for the project.

[7] Risk and Risk Mitigation Plans

Contingency: N/A

Risk Mitigation:

Risk	Mitigation
1. *Risk will be included with the full funding request*	

[8] References

References
1.CT D SS Annual WO DSN03010, December 2020
2. APS-01
3. Capital Project Approval Process Job Aid JA-AM-2001-A, 2020
4. SUB 22.5 - HVAC Systems & Associated Controls

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. P6 Schedule	NO
C. Constructability Review	*NO*
D. System and Station One-Lines	NO

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] – Install HVAC & H2 Detection			**Project Number: CS00707**
Facility Type: ☐BPS ☐BES ☐PTF ☐local PTF ☐non-PTF ☐CIP ☒Distribution ☐General Plant ☐CONVEX ☐SCADA			
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?		No	
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] – Install HVAC & H2 Detection	**Project Number: CS00707**
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?	N/A
TRANSMISSION LINE ENGINEERING	
Are there any changes that affect the baseline EMF?	N/A
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
Has ROW Coordination reviewed this project?	No
Is this project coordinating with other existing scheduled work?	No
ENVIRONMENTAL JUSTICE COMMUNITIES	
Has the Equity and Environmental Justice team reviewed this project?	No
Name of Equity and Environmental Justice contact:	N/A
Is any part of this project in an Environmental Justice Community?	No
Was the Equity Framework Checklist completed?	No
Has enhanced outreach required per State Regulatory requirements been completed?	No
INITIATOR	
Has a field constructability review been completed?	NR

Project Checklist - Transmission & Substation Capital Project	
Project Name: [redacted] – Install HVAC & H2 Detection	**Project Number: CS00707**
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:	Actuals
Was the estimate reviewed by Eversource Estimating?	No

Project Number: D- Station

Project Title:

PAF (dollars in thousands)

And on years :e version; rev25

Line item Category	Prior Authorized	Actuals to Date	2024 to Go	2025	2026	2027	2028	2029	Total
1. ROW / Easements / Land purchases									
2. Environmental Approvals / Permits									
3. Outreach									
4. Siting Approvals / Permits									
5. Engineering / Design		$7	$10						$17
6. Materials (Eversource purchased)		$21	$15						$36
7. Construction (incl matl's by contractors)		$96	$28						$124
8. Testing / Commissioning									
9. PMT Project Mgmt Team		$2	$2						$4
10. Removals									
11. Other									
12. Risks									
Project Directs Total w/Risks		**$126**	**$55**						**$181**
13. Indirects/Overhead		$37	$62						$99
14. AFUDC		$1	$16						$17
Project Total - Baseline Budget		**$164**	**$132**						**$296**
15. Contingency									
#N/A									
Project Total - Funding Approval Level		**$164**	**$132**						**$296**
16. Reimbursables/Customer Contribution									
#N/A									
Project Total (less reimbursables)		**$164**	**$132**						**$296**
Total O&M									
TOTAL REQUEST		**$164**	**$132**						**$296**

Breakout costs incl above

ST Labor		$105	$40						$145
OT Labor									
Outside services - Labor									
Materials (All materials incl. outside service purchased which is shown in constr. above)		$21	$15						$36
Removals									
Other									
Indirects		$37	$62						$99
AFUDC		$1	$16						$17
TOTAL CAPITAL REQUEST - with out Reimbursables		**$164**	**$132**						**$296**

Instructions:
1. Input the project type info into the green cells on the Overall summary tab / answer escalation question
2. Input direct costs (DOLLARS AMOUNTS) 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. D and Line work and station work have different loader 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 the other tabs.

Template version, rev25

Template version, rev25

D - Station Work

Direct Costs

WBS Code	WBS Description	Rates	Prior Authorized	Actuals to Date	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total
	Costs														
	Eversource Internal														
1	ROW / Easements / Land purchases														
2	Environmental Approvals / Permits														
3	Outreach														
4	Siting Approvals / Permits														
5	Engineering / Design			$ 7,000	$ 10,000										
6	Materials			$ 21,000	$ 15,000										
7	Construction			$ 96,000	$ 28,000										
8	Testing / Commissioning														
9	PMT Project Mgmt Team			$ 2,000	$ 2,000										
10	Removals														
11	Other														
12	Risks														
15	Contingency														
	Outside vendor or contractor														
1	ROW / Easements / Land purchases														
2	Environmental Approvals / Permits														
3	Outreach														
4	Siting Approvals / Permits														
5	Engineering / Design														
6	Materials														
7	Construction														
8	Testing / Commissioning														
9	PMT Project Mgmt Team														
10	Removals														
11	Other														
12	Risks														
15	Contingency														
		$ -		$126,000	$ 55,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 181,000
	Escalation (If not included above)														
	Escalation rates - Eversource Labor					3.0%	6.1%	9.3%	12.6%	15.9%	19.4%	23.0%	26.7%	30.5%	
	Escalation rates - outsourced labor					3.0%	6.1%	9.3%	12.6%	15.9%	19.4%	23.0%	26.7%	30.5%	
	Escalation rates - Materials					1.5%	3.0%	4.6%	6.1%	7.7%	9.3%	11.0%	12.6%	14.3%	
	Eversource Internal														
1	ROW / Easements / Land purchases		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
	Environmental Approvals / Permits														
2			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
3	Outreach		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
4	Siting Approvals / Permits		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
5	Engineering / Design		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
6	Materials		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
	Construction														
7			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
8	Testing / Commissioning		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
9	PMT Project Mgmt Team		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
10	Removals		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
11	Other		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
12	Risks														
15	Contingency														
	Outside vendor or contractor														
1	ROW / Easements / Land purchases		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
2	Environmental Approvals / Permits		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
3	Outreach		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
4	Siting Approvals / Permits		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
5	Engineering / Design		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
6	Materials		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
	Construction														
7			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
8	Testing / Commissioning		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
9	PMT Project Mgmt Team		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
10	Removals		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
11	Other		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
12	Risks														
15	Contingency														
		$ -		$126,000	$ 55,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 181,000
	Escalated costs														
	Eversource Internal														
1	ROW / Easements / Land purchases		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
2	Environmental Approvals / Permits		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
3	Outreach		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
4	Siting Approvals / Permits		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
5	Engineering / Design		$ -	$ 7,000	$ 10,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
6	Materials		$ -	$ 21,000	$ 15,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
7	Construction		$ -	$ 96,000	$ 28,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
8	Testing / Commissioning		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
9	PMT Project Mgmt Team		$ -	$ 2,000	$ 2,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
10	Removals		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
11	Other		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
12	Risks		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
15	Contingency		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
	Outside vendor or contractor														
1	ROW / Easements / Land purchases		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
2	Environmental Approvals / Permits		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
3	Outreach		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
4	Siting Approvals / Permits		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
5	Engineering / Design		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
6	Materials		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
	Construction														
7			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
8	Testing / Commissioning		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
9	PMT Project Mgmt Team		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
10	Removals		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
11	Other		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
12	Risks		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
15	Contingency		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		$ -		$126,000	$ 55,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 181,000
g Indirects															
Labor (PM/ROW/Env/Outreach/Siting)	Labor (PM/ROW/Env/Outreach/Siting)		$ -	$ 2,000	$ 2,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Labor (Eng/Const/Test)	Labor (Eng/Const/Test)		$ -	$103,000	$ 38,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Materials	Materials		$ -	$ 21,000	$ 15,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Outside Services	Outside Services		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Other	Other		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Risks	Other		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Contingency	Other		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Total Direct Costs	**Total Direct Costs**		$ -	**$126,000**	$ 55,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 181,000
Customer Contribution	Customer Contribution					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Indirect Costs	Indirect Costs														
Non-Productive(ZNP)	Non-Productive(ZNP)	17.0%	$ -	$ 10,000	17.0% $ 6,800	17.0% $ -	17.0% $ -	17.0% $ -	17.0% $ -	17.0% $ -	17.0% $ -	17.0% $ -	17.0% $ -	17.0% $ -	$ 16,800
Payroll Benefits(ZPB)	Payroll Benefits(ZPB)	30.0%	$ -	$ 14,000	30.0% $ 13,338	30.0% $ -	30.0% $ -	30.0% $ -	30.0% $ -	30.0% $ -	30.0% $ -	30.0% $ -	30.0% $ -	30.0% $ -	$ 27,338
General Services(ZGS)	Gen.Svc.	55.0%	$ -	$ 4,000	55.0% $ 4,438	55.0% $ -	55.0% $ -	55.0% $ -	55.0% $ -	55.0% $ -	55.0% $ -	55.0% $ -	55.0% $ -	55.0% $ -	$ 8,438
MD/DC(ZMH)	MD/DC(ZMH)	6.0%	$ -		6.0% $ 4,627	6.0% $ -	6.0% $ -	6.0% $ -	6.0% $ -	6.0% $ -	6.0% $ -	6.0% $ -	6.0% $ -	6.0% $ -	$ 4,627
E&S(ZEB ,ZEL ,ZES)	E&S(ZEB ,ZEL ,ZES)	35.0%	$ -	$ 8,000	35.0% 21,622	35.0% $ -	35.0% $ -	35.0% $ -	35.0% $ -	35.0% $ -	35.0% $ -	35.0% $ -	35.0% $ -	35.0% $ -	$ 29,622
AG&E(ZAG)	AG&E(ZAG)	1.4%	$ -		1.4% $ 1,378	1.4% $ -	1.4% $ -	1.4% $ -	1.4% $ -	1.4% $ -	1.4% $ -	1.4% $ -	1.4% $ -	1.4% $ -	$ 1,378
Lobby Stock	Lobby Stock		$ -		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Stores / real rate(ZST)	Stores / real rate(ZST)	8.0%	$ -		8.0% $ 1,200	8.0% $ -	8.0% $ -	8.0% $ -	8.0% $ -	8.0% $ -	8.0% $ -	8.0% $ -	8.0% $ -	8.0% $ -	$ 1,200
Vehicles(ZVE)	Vehicles(ZVE)	28.0%	$ -	$ 1,000	28.0% $ 11,200	28.0% $ -	28.0% $ -	28.0% $ -	28.0% $ -	28.0% $ -	28.0% $ -	28.0% $ -	28.0% $ -	28.0% $ -	$ 12,200
Total Indirect Costs	Total Indirect Costs			37,000	61,783										98,783
Total Costs w/o AFUDC	Total Costs w/o AFUDC			163,000	116,782	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	279,782
AFUDC Rate	AFUDC		$ -	$ 1,000	15,567										16,567
AFUDC $'s	TOTALS			164,000	132,349										296,349