CONNECTICUT LIGHT & POWER
CAPITAL AUTHORIZATION ANALYSIS

Project 201435 SUBSTATION METERING

Line		Latest Approved	Project Actuals	Variance
1	Direct Costs	57,933	48,850	(9,083)
2	Indirect Costs	88,597	58,882	(29,716)
3	Total Project Costs	$ 146,530	$ 107,732	$ (38,798)

funding project	201435				
				Values	
Cost Element Category	**month number**	**accounting work order**	**Description**	**Sum of Quantity**	**Sum of Amount**
Indirect/Overheads	**(blank)**	20143516		0	$4,288.65
			AFUDC	0	$1,592.62
		20143516 Total		0	$5,881.27
		20143517		0	$15,854.64
			AFUDC	0	$378.37
		20143517 Total		0	$16,233.01
		20143524		0	$7,214.22
			AFUDC	0	$9,052.87
		20143524 Total		0	$16,267.09
		20143526		0	$7,947.08
			AFUDC	0	$2,243.31
		20143526 Total		0	$10,190.39
		20143527		0	$5,739.04
			AFUDC	0	$4,201.87
		20143527 Total		0	$9,940.91
		20143508		0	-$7,676.63
		20143508 Total		0	-$7,676.63
		20143520		0	$7,786.30
			AFUDC	0	$2,642.41
		20143520 Total		0	$10,428.71
		20143512		0	-$2,270.12
			AFUDC	0	-$112.89
		20143512 Total		0	-$2,383.01
	(blank) Total			**0**	**$58,881.74**
Indirect/Overheads Total				**0**	**$58,881.74**
Material	**(blank)**	20143516	CHASSIS, W/ SURFACE MOUNTING, FOR RELAY, SEL-2242 AXION, 4 SLOT, CHASSIS/BACKPLANE	[redacted]	$291.56
			COUPLER, RELAY, 125/250 VDC TO 120/240 VAC, SEL-2243 AXION, 2 ETHERCAT PORTS		$624.78
			MODULE, ELECTRONIC, CHASSIS BACKPLANE, SEL-2244-2 AXION, 125 VDC/VAC, 24 DIGITAL INPUTS		$391.53
			MODULE, POWERSUPPLY, SINGLE OUTPUT, SWITCHING REGULATED, 15 VAC TO VDC		$735.52
			MONITOR,ELECTRONIC, PROGRAM POSITION, SOLID STATE, VOLTAGE: 120 VAC, CURRENT: 4-20 MA ANALOG OUTPUT,		$4,586.59
			POWERSUPPLY, W/ DIN RAIL MOUNT, FOR ACOPIAN POWER SUPPLY		$46.86
			RELAY MODULE, DIGITAL OUTPUT, SEL-2244, (8) FORM A AND (8) FORM B CONTROL OUTPUTS		$416.52
			RELAY, REAL TIME AUTOMATION CONTROLLER (RTAC), W/ (2) 10/100 BASE T ETHERNET PORTS, IEC61850, GOOSE,		$5,831.28
			SWITCH,SELECTOR, AUTO/MANUAL/REMOTE, 3 POSITION, 2 NO/POSITION/DECK		$224.57
			TRANSMITTER, POSITION, FLEXIBLE SHAFT COUPLING, INCON MODEL 1293-KIT, 18 IN L, 3 FEMALE COUPLINGS (0		$505.39
			TRANSMITTER,ELECTRONIC, 120 VAC, W/ SURGE PROTECTION, L SHAPED MOUNTING BRACKET, FOR SYNCHRO ROTARY		$1,993.25
		20143516 Total			$15,647.85
		20143526	CABLE, INSULATED, SWITCHBOARD, UL TYPE: SIS, 1/C, # 14 AWG, 41 STR, 600 V, GRAY, CU		$4.03
			FUSEHOLDER, CARTRIDGE, MOLDED, 30 A, 250 V, 2 POLE		$11.40
			LUG,COMPRESSION, CONNECTOR, 18-14 AWG, 8-10 BOLT SIZE, BLUE, CU, INSULATED		$9.45
			TERMINAL, LUG, YELLOW, #12-10 AWG, COMPRESSION, #8-10 BOLT, CU, CONNECTOR		$3.35
			CABLE, COMMUNICATION, FIBER OPTIC, MULTIMODE, 2 FIBER, 3 MM DUPLEX ZIPCORD OFNR, 20 FT LG, W/ ST-ST		$21.36
			CABLE, COMMUNICATION, FIBER OPTIC, MULTIMODE, 2 FIBER, 3 MM DUPLEX ZIPCORD OFNR, 40 FT LG, W/ ST-ST		$25.94
			CABLE, COVERED, RS-485, PAIRED, 2/C, 22 AWG, STRANDED, BELD FOIL SHIELDED, INSULATED, PVC JACKET		$55.98
			CABLE, INSULATED, SWITCHBOARD, UL TYPE: SIS, 1/C, #12 AWG, 65 STR, 600 V, BLACK, CU		$4.58
			CONDUIT,ELECTRICAL, FLEXIBLE, CORRUGATED, SPLIT, 3/4 IN RISER-GUARD, PVC, ORANGE		$22.52
			FUSE,POWER, 3 A, 250 V, QUANTITY: 10/BOX		$20.96
			INTERFACE, 90-250 V, RS485 TO FIBER LINK, MULTIMODE FIBER, MFR: FIBER OPTICS		$958.54
			POWERSUPPLY, 24 V, W/ DIN RAIL MOUNT		$35.50
			TERMINAL, LUG, 22-16 AWG, COMPRESSION, #8-10 BOLT, INSULATED, CONNECTOR, MFR: COOPER		$3.04

funding project	201435				
				Values	
Cost Element Category	month number	accounting work order	Description	Sum of Quantity	Sum of Amount
Material	(blank)	20143526	TRANSDUCER, MULTIFUNCTION, STANDARD, 48/250 VDC, 55/240 VAC, 0-5 A SIGNAL INPUT, 3 PH, 120 V, W/ 4 W	[redacted]	$690.86
		20143526 Total			$1,867.51
		20143520	BLOCK,TERMINAL, MOLDED, 600 V, 12 TERMINAL, WASHER HEAD OR TAP SCREW, BAKELITE/PHENOLIC, W/ WHITE MA		$35.06
			BODY,CONDUIT, TYPE: LB, 1 IN, AL, THREADED		$43.45
			BODY,CONDUIT, TYPE: LB, 1-1/4 IN, AL, THREADED, W/ COVER AND GASKET		$71.79
			BODY,CONDUIT, TYPE: T, 1 IN, AL, W/ COVER AND GASKET ASSEMBLY		$19.34
			BUSHING,ELECTRICAL, CONDUIT, 1-1/2 IN, INSULATED, THREADED, BLUE, PLASTIC		$0.45
			BUSHING,ELECTRICAL, CONDUIT, INSULATED		$5.34
			CABLE, COVERED, 1/0 AWG, 60 MILS PE, SOFT DRAWN CU, FOR USE AS TAP WIRE & TRANSFORMER LEADS, 250 FT		$170.41
			CABLE, INSULATED, SWITCHBOARD, UL TYPE: SIS, 1/C, # 14 AWG, 41 STR, 600 V, GRAY, CU		$57.67
			CABLE, INSULATED, SWITCHBOARD, UL TYPE: SIS, 1/C, #12 AWG, 65 STR, 600 V, GRAY, CU, 1500 FT		$276.40
			CONDUIT,ELECTRICAL, RIGID, 1 IN DIA, 10 FT LG, AL, SEAMLESS, ANSI C80.5-1966, SCH 40		$56.68
			CONNECTOR, PARALLEL GROOVE, 6 - 4/0 AWG TAP, 1 TO 4/0 AWG RUN, CU TO CU		$23.57
			CONNECTOR,GROUND, 2/0-250 MCM - 1 CPR CABLE, STRUCTURE TO 3/4 IN FLAT BAR		$26.31
			FUSE,CARTRIDGE, ONE-TIME, 3 A, 250 V, 50 KA, 9/16 X 2 IN, CLASS K5		$10.95
			FUSE,DUMMY, SOLID LINK, 250 V, 30 A, CU		$35.02
			FUSE,POWER, CURRENT LIMITING, 20 A, 250 V		$66.07
			FUSE,POWER, CURRENT LIMITING, CARTRIDGE, 6 A, 250/500 V AC/DC		$67.28
			FUSEHOLDER, CARTRIDGE, MOLDED, 30 A, 250 V, 2 POLE		$25.60
			HEATER,ELECTRIC, STRIP, 120 V, 75 W, NICKEL-CHROME		$31.51
			HUB,CONDUIT, INS THROAT WATERTIGHT, 1 IN		$19.68
			HUB,CONDUIT, SPACE MAKER, RIGID/IMC, WATERTIGHT, TYPE: CH, 2 IN, MI, ZINC PLATED, FEMALE BUSHED NIPP		$28.82
			LOCKNUT, RIGID CONDUIT, 1 IN, STEEL		$2.05
			LUG,COMPRESSION, CONNECTOR, 18-14 AWG, 8-10 BOLT SIZE, BLUE, CU, INSULATED		$22.77
			LUG,COMPRESSION, CONNECTOR, 4/0 AWG, STRAIGHT, 2 HOLE		$14.90
			STRAP,CONDUIT, 1 IN, 1 HOLE, BOLTED, MI		$3.68
			SWITCH,TEST, 3 POTENTIAL POLES		$47.59
			TAPE,INSULATION, 12 YD LG X 4 IN W, GRAY, FOR ANIMAL PROTECTION		$63.32
			TAPE,INSULATION, 36 IN LG X 2-1/2 IN W X 30 MIL THK, SILICONE, GRAY		$42.83
			TERMINAL, LUG, YELLOW, #12-10 AWG, COMPRESSION, #8-10 BOLT, CU, CONNECTOR		$26.84
			XFMR, INST, 16800/29098 Y PRIM, 120, 34.5 KV SEC, RATIO: 140:1, 200 KV BIL, 0.3Y MTR ACCURACY CLASS		$6,551.03
		20143520 Total			$7,846.41
	(blank) Total				**$25,361.77**
Material Total					**$25,361.77**
Other	(blank)	20143527			$50.18
		20143527 Total			$50.18
		20143512			-$30.88
		20143512 Total			-$30.88
	(blank) Total				**$19.30**
Other Total					**$19.30**
Labor	(blank)	20143516	Internal Labor		$202.41
		20143516 Total			$202.41
		20143517	Internal Labor		$7,116.04
		20143517 Total			$7,116.04
		20143524	Internal Labor		$993.42
		20143524 Total			$993.42
		20143526	Internal Labor		$4,048.01
		20143526 Total			$4,048.01
		20143527	Internal Labor		$2,817.79
		20143527 Total			$2,817.79

funding project	201435				
				Values	
Cost Element Category	month number	accounting work order	Description	Sum of Quantity	Sum of Amount
Labor	(blank)	20143520	Internal Labor	[redacted]	$2,929.78
		20143520 Total			$2,929.78
		20143512	Internal Labor		-$1,430.04
		20143512 Total			-$1,430.04
	(blank) Total				$16,677.41
Labor Total					$16,677.41
Outside Services	(blank)	20143517	TRC ENGINEERS LLC	0	$9,259.00
		20143517 Total		0	$9,259.00
		20143524	RCM TECHNOLOGIES INC	0	$12,115.20
		20143524 Total		0	$12,115.20
		20143527	CASCADE ENGINEERING CONSULTANTS LLC	0	$742.50
		20143527 Total		0	$742.50
		20143508	AI ENGINEERS INC	0	-$16,788.69
		20143508 Total		0	-$16,788.69
		20143520	RCM TECHNOLOGIES INC	0	-$17.72
			TRC ENGINEERS LLC	0	$1,481.44
		20143520 Total		0	$1,463.72
	(blank) Total			0	$6,791.73
Outside Services Total				0	$6,791.73
Grand Total				[redacted]	$107,731.95