

November 16, 2010

Ms. Nancy McNeil
Regulatory Affairs Officer/Clerk
Nova Scotia Utility and Review Board
3rd Floor, 1601 Lower Water Street
P.O. Box 1692, Unit "M"
Halifax, NS B3J 3S3

Re: CI 38857 – L7004 Deteriorated Replacements - P-128.10/Matter No. 03508
Responses to Information Requests (IRs)

Dear Ms. McNeil:

Enclosed are IR responses pertaining to the capital item referenced above. These IRs were received on November 2, 2010.

The contract costs referenced in IR-5 are confidential. NSPI strives to keep the suppliers' pricing confidential from their other customers or potential competitors. This prevents competitors from using their information to gain a competitive advantage. This is equally true for NSPI, which desires to protect its ability to acquire capital services and equipment on the most competitive terms. Those "best" prices may not be available if there is a risk that they will be disclosed to the customers or competitors of the supplier.

Since NSPI customer rates are cost-based, the maintenance of confidentiality for this item is to the direct benefit of customers.

Regards,



Lee Thomson-Lutz, MBA, CMA
Manager, Capital

Encl.

NON-CONFIDENTIAL

Request IR-1:

According to the information submitted with the approval request, \$300,000 had been spent as of application date. What is the current status of the project?

Response IR-1:

This project has been completed. The project was completed during the following timeframe:

July 12 – 29

Aug. 3 – 9

Sept. 15 – 17

Sept. 21 – Oct. 7

Work was completed to coincide with line availability as provided by the System Operator.

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1 **Request IR-2:**

2
3 **Provide an invoice, a quotation and/or other cost support associated with the cost estimate**
4 **for Materials in the amount of \$537,844. The information should include unit costs and**
5 **quantities for all major components, such as poles, crossarms, insulators, etc.**

6
7 **Response IR-2:**

8
9 Please refer to Attachment 1 for a detailed cost breakdown.

Summary of Materials:
Volume and Unit Cost

# of Units	Unit cost	Total
156	9.60	1,497.60
76	102.00	7,752.00
36	18.22	655.92
9	18.22	163.98
4	18.22	72.88
4	18.22	72.88
6	18.22	109.32
4	18.22	72.88
2	18.22	36.44
6	18.22	109.32
2	18.25	36.50
2	18.19	36.38
3	48.07	144.21
78	53.42	4,166.76
78	11.90	928.20
154	31.73	4,886.42
640	0.49	313.60
320	4.27	1,366.40
84	1.11	93.24
386	2.08	802.88
86	2.71	233.06
6	4.38	26.28
78	28.49	2,222.22
76	0.91	69.16
76	7.27	552.52
39	98.22	3,830.58
76	1.43	108.68
114	78.86	8,990.04
308	6.02	1,854.16
156	7.37	1,149.72
163	4.83	787.29
9	8.55	76.95
42	248.27	10,427.34
2	2.74	5.48
12	0.79	9.48
140	0.22	30.80
828	0.36	298.08
100	0.26	26.00
12	3.47	41.64
80	107.86	8,628.80
76	24.23	1,841.48
2	30.26	60.52

Summary of Materials:
Volume and Unit Cost

# of Units	Unit cost	Total
616	0.71	437.36
119	2.95	351.05
10	3.16	31.60
76	0.31	23.56
100	0.31	31.00
156	0.49	76.44
477	0.31	147.87
76	24.54	1,865.04
2400	15.11	36,264.00
30	16.23	486.90
60	76.31	4,578.60
22	665.54	14,641.88
32	1,185.03	37,920.96
11	1,323.49	14,558.39
8	1,568.06	12,544.48
4	1,854.61	7,418.44
2	-	-
84	188.24	15,812.16
78	-	-
7	10.18	71.26
680	2.90	1,972.00
7	662.91	4,640.37
20	10.35	207.00
		<u>218,668.45</u>

24 FEB 2010 - 13:32

PAGE 1

LISTING OF ALL MATERIAL ON WORK ORDER 267771

WORK ORDER	EQP_NO....	PART_#....	WHS	DECEIPTION.....	PLANNED	ORDERED	ISSUED	COST	TOTAL
267771	L7004	02-12-9000		STRAP STEEL GALVANIZED 6MM X 75MM X 605MM LONG DWG. # 279Z-22-30	156			9.60	.00
	L7004	02-52-3410		CHANNEL POLE EXTENSION C130 X 10 (5" CHANNEL X 5'7" LONG) DWG D2782	76			102.00	.00
	L7004	02-72-5200		NUMBERS AIRCRAFT IDENTIFICATION # 0 WOOD POLE	36			18.22	.00
	L7004	02-72-5201		NUMBERS AIRCRAFT IDENTIFICATION # 1 WOOD POLE	9			18.22	.00
	L7004	02-72-5202		NUMBERS AIRCRAFT IDENTIFICATION # 2 WOOD POLE	4			18.22	.00
	L7004	02-72-5203		NUMBERS AIRCRAFT IDENTIFICATION # 3 WOOD POLE	4			18.22	.00
	L7004	02-72-5204		NUMBERS AIRCRAFT IDENTIFICATION # 4 WOOD POLE	6			18.22	.00
	L7004	02-72-5205		NUMBERS AIRCRAFT IDENTIFICATION # 5 WOOD POLE	4			18.22	.00
	L7004	02-72-5206		NUMBERS AIRCRAFT IDENTIFICATION # 6 WOOD POLE	2			18.22	.00
	L7004	02-72-5207		NUMBERS AIRCRAFT IDENTIFICATION # 7 WOOD POLE	6			18.22	.00
	L7004	02-72-5208		NUMBERS AIRCRAFT IDENTIFICATION # 8 WOOD POLE	2			18.25	.00
	L7004	02-72-5209		NUMBERS AIRCRAFT IDENTIFICATION # 9 WOOD POLE	2			18.19	.00
	L7004	50-08-2120		BOLT EYE BALL LINK GALVANIZED 3/4" X 12" SQUARE HEAD ONLY	3			48.07	.00
	L7004	50-08-2140		BOLT EYE BALL LINK GALVANIZED 3/4" X 14" SQUARE HEAD ONLY	78			53.42	.00
	L7004	50-08-6520		BOLT EYE SHOULDER GALVANIZED 3/4" X 12" 4" THREAD **MIN 50 PCS** SQUARE HEAD ONLY	78			11.90	.00
	L7004	50-08-6540		BOLT EYE SHOULDER GALVANIZED 3/4" X 14" SQUARE HEAD ONLY	154			31.73	.00
	L7004	50-09-1540		BOLT LAG FETTER DRIVE & PILOT POINT GALVANIZED 1/2" X 4" AS PER CSA STDC83.101M 250 PER BOX	640			.49	.00
	L7004	50-09-3200		BOLT LAG 3/4 X 8" GALVANIZED HEX HEAD APPROVED BY J MCFADGEN	320			4.27	.00
	L7004	50-10-3120		BOLT MACHINE SQUARE HEAD GALVANIZED 5/8" X 12" CSA STD C83 ITEM B-3 50 PER PKG	84			1.11	.00
	L7004	50-10-4140		BOLT MACHINE SQUARE HEAD GALVANIZED 3/4" X 14" CSA STD. C83 ITEM B-3 25 PER BOX	386			2.08	.00
	L7004	50-10-4160		BOLT MACHINE SQUARE HEAD GALVANIZED 3/4" X 16" CSA STD. C83 ITEM B-3 HUGHES BROTHERS B716-6	86			2.71	.00
	L7004	50-10-4180		BOLT MACHINE SQUARE HEAD GALVANIZED 3/4" X 18" HUGHES BROTHERS B718-6	6			4.38	.00
	L7004	50-10-4760		BOLT MACHINE SQUARE HEAD GALVANIZED 7/8" X 36" HUGHES BROTHERS B836-8	78			28.49	.00
	L7004	50-11-9400		BOLT TOWER 5/8 DIA. X 1 3/4 GRADE 5GALVANIZED GRADE A325 WITH GALVANIZED GALVANIZED LOCK WASHER 1/8 THICKNESS 2 1/4 OD-3/4 HOLE	76			.91	.00

24 FEB 2010 - 13:32

PAGE 2

LISTING OF ALL MATERIAL ON WORK ORDER 267771

WORK ORDER	EQP_NO....	PART_#....	WHS	DESCRIPTION.....	PLANNED	ORDERED	ISSUED	COST	TOTAL
	L7004	50-23-3000		CLEVIS DEADEND THIMBLE 5/8" COTTER BOLT 24000 LBS (106.8 KN)	76			7.27	.00
	L7004	50-30-1580		FITTING CENTRE PHASE ASSEMBLY 25000 LBS. 5/8" X 9" SHACKLES & BALL EYE	39			98.22	.00
	L7004	50-30-2750		NUT OVAL EYE 5/8" CSA STD C83.84M NO.2 100 PER BOX	76			1.43	.00
	L7004	50-30-9830		TURNBUCKLE 5/8" JAW-EYE (12" INSIDE MEASUREMENT) C/W 1/2" X 2 1/8" HEX BOLT & NUT ON JAW END 12000 LB MINIMUM BREAKING STRENGTH 21 1/2" OVERALL LENGTH WITH BOTH ENDFITTINGS IN CLOSED POSITION	114			78.86	.00
	L7004	50-35-1000		GAIN GRID 4" X 6" WITH 13/16" HOLE POLE RANGE 5" TO 10"	308			6.02	.00
	L7004	50-35-1190		GAINS GRID 5" X 6" INTERLOCKING 15/16" HOLE 2 PER SET MALE & FEMALE (NO LONGER AVAILABLE FROM MANITOBA BRIDGE)	156			7.37	.00
	L7004	50-35-5380		GRIP GUY PREFORMED 7/16" COLOR CODE GREEN GRIP LENGTH 38"	163			4.83	.00
	L7004	50-35-6000		LINK GUY PREFORMED 7/16" GALVANIZED 38" LONG GREEN	9			8.55	.00
	L7004	50-40-1010		HARDWARE CROSS BRACING SET	42			248.27	.00
	L7004	50-40-3240		HOOK GUY FOR 5/8" AND 3/4" BOLT TYPEA #1 CSA STD C83-100M 25 PER BOX FOR APPLICATIONS UP TO 138KV	2			2.74	.00
	L7004	50-40-3760		HOOK "J" ONE HOLE TYPE 11/16" BOLT HOLE GALV.	12			.79	.00
	L7004	50-45-4500		PALNUT LOCK NUT 5/8" GALV. 100/PKG	140			.22	.00
	L7004	50-45-4520		PALNUT LOCK NUT 3/4" GALV. 100/PKG MIN ORDER 2200	828			.36	.00
	L7004	50-45-4540		PALNUT LOCK NUT 7/8" GALV.	100			.26	.00
	L7004	50-53-3500		PLATE STRAIN GALVANIZED 4"X8" 14 GA	12			3.47	.00
	L7004	50-53-5800		PLATE POLE BEARING GALVANIZED 1/4"X 4"X 4" NSP 70	80			107.86	.00
	L7004	50-53-5860		PLATE GALVANIZED BENT PLATE 50MM X 125MM X 8MM THICKNESS 11/16" HOLE	76			24.23	.00
	L7004	50-56-3390		ROD ANCHOR DOUBLE THIMBLE EYE GALV. 3/4"X 9' (MBE A-3609)	2			30.26	.00
	L7004	50-63-2240		WASHER CURVED, 3 1/4" X 3 1/8" X 1/4"13/16" HOLE CSA STD C83 ITEM W-2 NSP 40 50 PER BOX	616			.71	.00
	L7004	50-63-2300		WASHER CURVED 3 7/8" X 4" X 3/8" WITH 13/16" HOLE	119			2.95	.00
	L7004	50-63-2320		WASHER CURVED 3 7/8" X 4" X 3/8" WITH 15/16" HOLE **MUST BE SHIPPED 25/BOX**	10			3.16	.00
	L7004	50-63-4130		WASHER ROUND 2"O. D. 13/16" DIAMETERHOLE	76			.31	.00
	L7004	50-63-6320		WASHER SQUARE GALVANIZED 13/16"HOLE2 1/4" X 2 1/4" X 3/16" 200 PER PACKAGE	100			.31	.00
	L7004	50-63-4160		WASHER ROUND 2 1/4" O.D. X 5/32" C/W 15/16" HOLE	156			.49	.00
	L7004	50-63-6300		WASHER SQUARE 2-1/4" X 2-1/4" X 3/16"WITH 11/16" DIA. HOLE GALV.	477			.31	.00
	L7004	52-50-0575		INSULATOR FIBREGLASS GUY STRAIN 54" 16000 LB C/W CLEVIS PINS BOTH ENDS	76			24.54	.00

24 FEB 2010 - 13:32

PAGE 3

LISTING OF ALL MATERIAL ON WORK ORDER 267771

WORK ORDER	EQP_NO....	PART_#....	WHS	DESCRIPTION.....	PLANNED	ORDERED	ISSUED	COST	TOTAL
	L7004	52-50-7840		INSULATOR SUSPENSION MUNSELL GREY 70 KN (15000 LBS.) ANSI CLASS 52-3 96 ON A PALLET	2400			15.11	.00
	L7004	52-50-7920		INSULATOR SUSPENSION PORCELAIN 25000 LB MUNSELL GREY 120 KN 96 PER PALLET	30			16.23	.00
	L7004	54-84-3400		SLEEVE ACSR 26/7 STR 556.5 Two part sleeve for CSA dies	60			76.31	.00
	L7004	63-08-5520		POLE PENTA TREATED 55' CLASS 2	22			665.54	.00
	L7004	63-08-6020		POLE PENTA TREATED 60' CLASS 2	32			1185.03	.00
	L7004	63-08-6520		POLE PENTA TREATED 65' CLASS 2	11			1323.49	.00
	L7004	63-08-7020		POLE PENTA TREATED 70' CLASS 2	8			1568.06	.00
	L7004	63-08-7520		POLE PENTA TREATED 75' CLASS 2	4			1854.61	.00
	L7004	63-08-8520		POLE PENTA TREATED 85' CLASS 2,	2			.00	.00
	L7004	63-12-2510		TIMBER TREATED 100 X 100 X 6,400 MM (4" X 4" X 21')	84			188.24	.00
	L7004	63-12-7940		TIMBER SPAR 8,300 MM DRILLED DRAWING #279Z-22-29	78			.00	.00
	L7004	63-12-8990		LOG ANCHORS TREATED 1500 MM (5 FT)	7			10.18	.00
	L7004	65-34-7180		WIRE GUY GALVANIZED GRD.180 7/16 50KG COILS	680			2.90	.00
	L7004	63-12-5500		TIMBER TREATED 4" X 12" X 34'	7			662.91	.00
	L7004	50-07-2280		BOLT DOUBLE ARMING GALVANIZED 3/4" X 28"	20			10.35	.00

.00

.00

1 Rows Processed

Summary of Materials:
Volume and Unit Cost

# of Units	Unit cost	Total
24	1.07	25.68
132	9.60	1,267.20
66	102.00	6,732.00
56	18.22	1,020.32
6	18.22	109.32
18	18.22	327.96
2	18.22	36.44
18	18.22	327.96
2	18.22	36.44
2	18.22	36.44
20	18.22	364.40
4	18.25	73.00
2	18.19	36.38
3	48.07	144.21
68	53.42	3,632.56
1	56.14	56.14
6	25.95	155.70
66	11.90	785.40
132	31.73	4,188.36
552	0.49	270.48
276	4.27	1,178.52
72	1.11	79.92
6	1.36	8.16
330	2.08	686.40
70	2.71	189.70
3	5.39	16.17
6	5.54	33.24
2	3.66	7.32
2	8.39	16.78
66	28.49	1,880.34
66	0.91	60.06
66	7.27	479.82
4	37.65	150.60
33	98.22	3,241.26
66	1.43	94.38
6	31.20	187.20
36	7.12	256.32
99	78.86	7,807.14
264	6.02	1,589.28
132	7.37	972.84
5	1.83	9.15
190	4.83	917.70

Summary of Materials:
Volume and Unit Cost

# of Units	Unit cost	Total
21	8.55	179.55
10	5.90	59.00
33	248.27	8,192.91
22	2.74	60.28
24	0.79	18.96
120	0.22	26.40
700	0.36	252.00
100	0.26	26.00
24	3.47	83.28
70	107.86	7,550.20
66	24.23	1,599.18
33	30.26	998.58
1320	0.15	198.00
528	0.71	374.88
106	2.95	312.70
44	3.16	139.04
6	2.15	12.90
24	0.09	2.16
132	0.31	40.92
132	0.49	64.68
400	0.31	124.00
66	24.54	1,619.64
2234	15.11	33,755.74
126	16.23	2,044.98
132	1.57	207.24
35	76.31	2,670.85
3	557.67	1,673.01
26	1,185.03	30,810.78
22	1,323.49	29,116.78
9	1,568.06	14,112.54
6	1,854.61	11,127.66
66	188.24	12,423.84
1	203.50	203.50
66	-	-
1	111.23	111.23
11	10.18	111.98
2	16.28	32.56
6	30.53	183.18
132	2.25	297.00
734	1.60	1,174.40
803	2.90	2,328.70
2	662.91	1,325.82

Summary of Materials:
Volume and Unit Cost

# of Units	Unit cost	Total
10	10.35	103.50
10	22.50	225.00
		<u>205,464.24</u>

24 FEB 2010 - 13:34

PAGE 1

LISTING OF ALL MATERIAL ON WORK ORDER 267772

WORK ORDER	EQP_NO....	PART_#....	WHS DESCRIPTION.....	PLANNED	ORDERED	ISSUED	COST	TOTAL
267772	L7004	01-98-2690	WASHER STAINLESS STEEL BELLEVILLE 1.25" WITH .53" DIA. HOLE (AS PER NSPC STD. SPEC. 43 100/PKG 100 PER BAG	24			1.07	.00
	L7004	02-12-9000	STRAP STEEL GALVANIZED 6MM X 75MM X 605MM LONG DWG. # 279Z-22-30	132			9.60	.00
	L7004	02-52-3410	CHANNEL POLE EXTENSION C130 X 10 (5" CHANNEL X 5'7" LONG) DWG D2782	66			102.00	.00
	L7004	02-72-5200	NUMBERS AIRCRAFT IDENTIFICATION # 0 WOOD POLE	56			18.22	.00
	L7004	02-72-5201	NUMBERS AIRCRAFT IDENTIFICATION # 1 WOOD POLE	6			18.22	.00
	L7004	02-72-5202	NUMBERS AIRCRAFT IDENTIFICATION # 2 WOOD POLE	18			18.22	.00
	L7004	02-72-5203	NUMBERS AIRCRAFT IDENTIFICATION # 3 WOOD POLE	2			18.22	.00
	L7004	02-72-5204	NUMBERS AIRCRAFT IDENTIFICATION # 4 WOOD POLE	18			18.22	.00
	L7004	02-72-5205	NUMBERS AIRCRAFT IDENTIFICATION # 5 WOOD POLE	2			18.22	.00
	L7004	02-72-5206	NUMBERS AIRCRAFT IDENTIFICATION # 6 WOOD POLE	2			18.22	.00
	L7004	02-72-5207	NUMBERS AIRCRAFT IDENTIFICATION # 7 WOOD POLE	20			18.22	.00
	L7004	02-72-5208	NUMBERS AIRCRAFT IDENTIFICATION # 8 WOOD POLE	4			18.25	.00
	L7004	02-72-5209	NUMBERS AIRCRAFT IDENTIFICATION # 9 WOOD POLE	2			18.19	.00
	L7004	50-08-2120	BOLT EYE BALL LINK GALVANIZED 3/4" X 12" SQUARE HEAD ONLY	3			48.07	.00
	L7004	50-08-2140	BOLT EYE BALL LINK GALVANIZED 3/4" X 14" SQUARE HEAD ONLY	68			53.42	.00
	L7004	50-08-2160	BOLT EYE BALL LINK GALVANIZED 3/4" X 16" SQUARE HEAD ONLY	1			56.14	.00
	L7004	50-08-2260	BOLT EYE BALL LINK GALVANIZED 7/8" X 16" SQUARE HEAD ONLY	6			25.95	.00
	L7004	50-08-6520	BOLT EYE SHOULDER GALVANIZED 3/4" X 12" 4" THREAD **MIN 50 PCS** SQUARE HEAD ONLY	66			11.90	.00
	L7004	50-08-6540	BOLT EYE SHOULDER GALVANIZED 3/4" X 14" SQUARE HEAD ONLY	132			31.73	.00
	L7004	50-09-1540	BOLT LAG FETTER DRIVE & PILOT POINT GALVANIZED 1/2" X 4" AS PER CSA STDC83.101M 250 PER BOX	552			.49	.00
	L7004	50-09-3200	BOLT LAG 3/4 X 8" GALVANIZED HEX HEAD APPROVED BY J MCFADGEN	276			4.27	.00
	L7004	50-10-3120	BOLT MACHINE SQUARE HEAD GALVANIZED 5/8" X 12" CSA STD C83 ITEM B-3 50 PER PKG	72			1.11	.00
	L7004	50-10-3140	BOLT MACHINE SQUARE HEAD GALVANIZED 5/8" X 14 CSA STD.C83 ITEM B-3 50 PER PKG	6			1.36	.00
	L7004	50-10-4140	BOLT MACHINE SQUARE HEAD GALVANIZED 3/4" X 14" CSA STD. C83 ITEM B-3 25 PER BOX	330			2.08	.00
	L7004	50-10-4160	BOLT MACHINE SQUARE HEAD GALVANIZED 3/4" X 16" CSA STD. C83 ITEM B-3 HUGHES	70			2.71	.00

24 FEB 2010 - 13:34

PAGE 2

LISTING OF ALL MATERIAL ON WORK ORDER 267772

WORK ORDER	EQP_NO....	PART_#....	WHS DESCRIPTION.....	PLANNED	ORDERED	ISSUED	COST	TOTAL
			BROTHERS B716-6					
	L7004	50-10-4200	BOLT MACHINE SQUARE HEAD GALVANIZED 3/4"	3			5.39	.00
			X 20" HUGHES BROTHERS B720-6					
	L7004	50-10-4220	BOLT MACHINE SQUARE HEAD GALVANIZED 3/4"	6			5.54	.00
			X 22"					
	L7004	50-10-4260	BOLT MACHINE SQUARE HEAD GALVANIZED 3/4"	2			3.66	.00
			X 26" HUGHES BROTHERS B726-8					
	L7004	50-10-4280	BOLT MACHINE SQUARE HEAD GALVANIZED 3/4"	2			8.39	.00
			X 28" HUGHES BROTHERS B728-8					
	L7004	50-10-4760	BOLT MACHINE SQUARE HEAD GALVANIZED 7/8"	66			28.49	.00
			X 36" HUGHES BROTHERS B836-8					
	L7004	50-11-9400	BOLT TOWER 5/8 DIA. X 1 3/4 GRADE	66			.91	.00
			5GALVANIZED GRADE A325 WITH					
			GALVANIZEGALVANIZED LOCK WASHER 1/8					
			THICKNESS 2 1/4 OD-3/4 HOLE					
	L7004	50-23-3000	CLEVIS DEADEND THIMBLE 5/8" COTTER BOLT	66			7.27	.00
			24000 LBS (106.8 KN)					
	L7004	50-30-0200	CHOCK POLE ADJUSTABLE GALV.	4			37.65	.00
	L7004	50-30-1580	FITTING CENTRE PHASE ASSEMBLY 25000 LBS.	33			98.22	.00
			5/8" X 9" SHACKLES & BALL EYE					
	L7004	50-30-2750	NUT OVAL EYE 5/8" CSA STD C83.84M NO.2	66			1.43	.00
			100 PER BOX					
	L7004	50-30-3000	CLEVIS HOT LINE SOCKET EXTENSION	6			31.20	.00
	L7004	50-30-9750	KEY COTTER C/W R.I.V.-T.V.I. SUPPRESSION	36			7.12	.00
			CLIP					
	L7004	50-30-9830	TURNBUCKLE 5/8" JAW-EYE (12" INSIDE	99			78.86	.00
			MEASUREMENT) C/W 1/2" X 2 1/8" HEX BOLT					
			& NUT ON JAW END 12000 LB MINIMUM					
			BREAKING STRENGTH 21 1/2" OVERALL LENGTH					
			WITH BOTH ENDFITTINGS IN CLOSED POSITION					
	L7004	50-35-1000	GAIN GRID 4" X 6" WITH 13/16" HOLE POLE	264			6.02	.00
			RANGE 5" TO 10"					
	L7004	50-35-1190	GAINS GRID 5" X 6" INTERLOCKING 15/16"	132			7.37	.00
			HOLE 2 PER SET MALE & FEMALE (NO LONGER					
			AVAILABLE FROM MANITOBA BRIDGE)					
	L7004	50-35-5300	GRIP GUY PREFORMED FOR 5/16" GUYWIREFWITH	5			1.83	.00
			CLASS B GALV.AND CABLED LOOP **MUST HAVE					
			STAGGERED ENDS** 50 PER BOX					
	L7004	50-35-5380	GRIP GUY PREFORMED 7/16" COLOR CODE	190			4.83	.00
			GREEN GRIP LENGTH 38"					
	L7004	50-35-6000	LINK GUY PREFORMED 7/16" GALVANIZED 38"	21			8.55	.00
			LONG GREEN					
	L7004	50-35-8700	GUARD GUY 7 FT LONG ROUND YELLOW PVCOR	10			5.90	.00
			POLYETHYLENE C/W GREASED GALV STEEL					
			CLAMPING BOLT NUT & WASHER FOR 5/16"					
			GALV. STEEL GUY WIRE CSA STD. C83.69M					
			TYPE 2 5 PER BUNDLE					
	L7004	50-40-1010	HARDWARE CROSS BRACING SET	33			248.27	.00
	L7004	50-40-3240	HOOK GUY FOR 5/8" AND 3/4" BOLT TYPEA #1	22			2.74	.00
			CSA STD C83-100M 25 PER BOX FOR					
			APPLICATIONS UP TO 138KV					
	L7004	50-40-3760	HOOK "J" ONE HOLE TYPE 11/16" BOLT HOLE	24			.79	.00
			GALV.					

24 FEB 2010 - 13:34

PAGE 3

LISTING OF ALL MATERIAL ON WORK ORDER 267772

WORK ORDER	EQP_NO....	PART_#....	WHS	DESCRIPTION.....	PLANNED	ORDERED	ISSUED	COST	TOTAL
	L7004	50-45-4500		PALNUT LOCK NUT 5/8" GALV. 100/PKG	120			.22	.00
	L7004	50-45-4520		PALNUT LOCK NUT 3/4" GALV. 100/PKG MIN	700			.36	.00
				ORDER 2200					
	L7004	50-45-4540		PALNUT LOCK NUT 7/8" GALV.	100			.26	.00
	L7004	50-53-3500		PLATE STRAIN GALVANIZED 4"X8" 14 GA	24			3.47	.00
	L7004	50-53-5800		PLATE POLE BEARING GALVANIZED 1/4"X 4"X 4" NSP 70	70			107.86	.00
	L7004	50-53-5860		PLATE GALVANIZED BENT PLATE 50MM X 125MM X 8MM THICKNESS 11/16" HOLE	66			24.23	.00
	L7004	50-56-3390		ROD ANCHOR DOUBLE THIMBLE EYE GALV. 3/4"X 9' (MBE A-3609)	33			30.26	.00
	L7004	50-59-2000		STAPLES GROUND WIRE MOLDING 2" 100 PER BOX	1320			.15	.00
	L7004	50-63-2240		WASHER CURVED, 3 1/4" X 3 1/8" X 1/4"13/16" HOLE CSA STD C83 ITEM W-2 NSP 40 50 PER BOX	528			.71	.00
	L7004	50-63-2300		WASHER CURVED 3 7/8" X 4" X 3/8" WITH 13/16" HOLE	106			2.95	.00
	L7004	50-63-2320		WASHER CURVED 3 7/8" X 4" X 3/8" WITH 15/16" HOLE **MUST BE SHIPPED 25/BOX**	44			3.16	.00
	L7004	50-63-2400		WASHER CURVED 3 7/8" X 4" X 1/2" 15/16" HOLE	6			2.15	.00
	L7004	50-63-4090		WASHER, GALVANIZED, ROUND , 9/16" DIAMETER HOLE	24			.09	.00
	L7004	50-63-6320		WASHER SQUARE GALVANIZED 13/16"HOLE2 1/4" X 2 1/4" X 3/16" 200 PER PACKAGE	132			.31	.00
	L7004	50-63-4160		WASHER ROUND 21/4" O.D. X 5/32" C/W 15/16" HOLE	132			.49	.00
	L7004	50-63-6300		WASHER SQUARE 2-1/4" X 2-1/4" X 3/16"WITH 11/16" DIA. HOLE GALV.	400			.31	.00
	L7004	52-50-0575		INSULATOR FIBREGLASS GUY STRAIN 54" 16000 LB C/W CLEVIS PINS BOTH ENDS	66			24.54	.00
	L7004	52-50-7840		INSULATOR SUSPENSION MUNSELL GREY 70 KN (15000 LBS.) ANSI CLASS 52-3 96 ON A PALLET	2234			15.11	.00
	L7004	52-50-7920		INSULATOR SUSPENSION PORCELAIN 25000 LB MUNSELL GREY 120 KN 96 PER PALLET	126			16.23	.00
	L7004	54-25-1760		SERVIT UNV 1/0 STR - 2/0 STR	132			1.57	.00
	L7004	54-84-3400		SLEEVE ACSR 26/7 STR 556.5 Two part sleeve for CSA dies	35			76.31	.00
	L7004	63-08-5020		POLE PENTA TREATED 50' CLASS 2	3			557.67	.00
	L7004	63-08-6020		POLE PENTA TREATED 60' CLASS 2	26			1185.03	.00
	L7004	63-08-6520		POLE PENTA TREATED 65' CLASS 2	22			1323.49	.00
	L7004	63-08-7020		POLE PENTA TREATED 70' CLASS 2	9			1568.06	.00
	L7004	63-08-7520		POLE PENTA TREATED 75' CLASS 2	6			1854.61	.00
	L7004	63-12-2510		TIMBER TREATED 100 X 100 X 6,400 MM (4" X 4" X 21')	66			188.24	.00
	L7004	63-12-7850		TIMBER TREATED SPAR 6,300 MM CLASS AS SPECIFIED (DRILLED DRAWING279Z-22-18)	1			203.50	.00
	L7004	63-12-7940		TIMBER SPAR 8,300 MM DRILLED DRAWING #279Z-22-29	66			.00	.00
	L7004	63-12-7990		TIMBER TREATED SPAR 9,000 MM CLASS AS SPECIFIED (DRILLED DRAWING 279Z-22-20	1			111.23	.00

24 FEB 2010 - 13:34

PAGE 4

LISTING OF ALL MATERIAL ON WORK ORDER 267772

WORK ORDER	EQP_NO....	PART_#....	WHS DESCRIPTION.....	PLANNED	ORDERED	ISSUED	COST	TOTAL
	L7004	63-12-8990	LOG ANCHORS TREATED 1500 MM (5 FT)	11			10.18	.00
	L7004	63-12-9000	LOG ANCHOR 2500 MM (8 FT.)	2			16.28	.00
	L7004	63-12-9010	LOG ANCHOR 3700 MM TREATED (12FT)	6			30.53	.00
	L7004	65-34-4900	WIRE GUY GALVANIZED GRADE 180 3/16" 150M	132			2.25	.00
			/ 18 KG COILS					
	L7004	65-34-7100	WIRE GUY GALVANIZED GRADE 160 5/16"150M	734			1.60	.00
			/ 50 KG COILS					
	L7004	65-34-7180	WIRE GUY GALVANIZED GRD.180 7/16 50KG	803			2.90	.00
			COILS					
	L7004	63-12-5500	TIMBER TREATED 4" X 12" X 34'	2			662.91	.00
	L7004	50-07-2280	BOLT DOUBLE ARMING GALVANIZED 3/4" X 28"	10			10.35	.00
	L7004	50-07-2300	BOLT DOUBLE ARMING GALVANIZED 3/4" X 30"	10			22.50	.00

.00

.00

1 Rows Processed

Summary of Materials:
Volume and Unit Cost

# of Units	Unit cost	Total
24	1.07	25.68
2	102.00	204.00
110	18.22	2,004.20
6	18.22	109.32
8	18.22	145.76
21	18.22	382.62
35	18.22	637.70
18	18.22	327.96
30	18.22	546.60
34	18.22	619.48
8	18.25	146.00
6	18.19	109.14
3	5.97	17.91
9	48.07	432.63
51	53.42	2,724.42
1	56.14	56.14
6	25.95	155.70
24	18.32	439.68
26	31.73	824.98
300	0.49	147.00
150	4.27	640.50
104	1.11	115.44
15	1.36	20.40
28	2.08	58.24
53	2.71	143.63
4	4.38	17.52
3	5.39	16.17
6	5.54	33.24
2	3.66	7.32
18	8.39	151.02
33	3.99	131.67
24	9.93	238.32
3	10.46	31.38
163	10.68	1,740.84
24	14.08	337.92
28	26.46	740.88
2	0.91	1.82
2	7.27	14.54
3	18.16	54.48
25	37.65	941.25
25	80.08	2,002.00
9	21.19	190.71

Summary of Materials:
Volume and Unit Cost

# of Units	Unit cost	Total
12	98.22	1,178.64
2	1.43	2.86
6	31.20	187.20
18	7.01	126.18
36	7.12	256.32
3	78.86	236.58
4	6.02	24.08
25	6.49	162.25
52	10.92	567.84
56	1.83	102.48
20	0.01	0.20
70	4.83	338.10
27	8.55	230.85
2	248.27	496.54
19	2.74	52.06
30	0.79	23.70
24	10.58	253.92
125	0.22	27.50
270	0.36	97.20
225	0.26	58.50
30	3.47	104.10
20	107.86	2,157.20
2	24.23	48.46
2	30.26	60.52
1680	0.15	252.00
8	0.71	5.68
260	2.95	767.00
400	3.16	1,264.00
6	2.15	12.90
24	0.09	2.16
11	0.31	3.41
2	24.54	49.08
504	15.11	7,615.44
200	16.23	3,246.00
126	1.57	197.82
1	1,185.03	1,185.03
6	1,323.49	7,940.94
17	1,568.06	26,657.02
5	1,854.61	9,273.05
1	2,810.94	2,810.94
9	-	-
4	188.24	752.96

Summary of Materials:
Volume and Unit Cost

# of Units	Unit cost	Total
1	203.50	203.50
3	-	-
2	-	-
1	111.23	111.23
30	119.41	3,582.30
3	-	-
40	150.84	6,033.60
2	10.18	20.36
126	2.25	283.50
288	2.80	806.40
466	1.60	745.60
428	2.90	1,241.20
4	42.01	168.04
		<u>99,710.65</u>

24 FEB 2010 - 13:34

PAGE 1

LISTING OF ALL MATERIAL ON WORK ORDER 267773

WORK ORDER	EQP_NO....	PART_#....	WHS	DESCRIPTION.....	PLANNED	ORDERED	ISSUED	COST	TOTAL
267773	L7004	01-98-2690		WASHER STAINLESS STEEL BELLEVILLE 1.25" WITH .53" DIA. HOLE (AS PER NSPC STD. SPEC. 43 100/PKG 100 PER BAG	24			1.07	.00
	L7004	02-52-3410		CHANNEL POLE EXTENSION C130 X 10 (5" CHANNEL X 5'7" LONG) DWG D2782	2			102.00	.00
	L7004	02-72-5200		NUMBERS AIRCRAFT IDENTIFICATION # 0 WOOD POLE	110			18.22	.00
	L7004	02-72-5201		NUMBERS AIRCRAFT IDENTIFICATION # 1 WOOD POLE	6			18.22	.00
	L7004	02-72-5202		NUMBERS AIRCRAFT IDENTIFICATION # 2 WOOD POLE	8			18.22	.00
	L7004	02-72-5203		NUMBERS AIRCRAFT IDENTIFICATION # 3 WOOD POLE	21			18.22	.00
	L7004	02-72-5204		NUMBERS AIRCRAFT IDENTIFICATION # 4 WOOD POLE	35			18.22	.00
	L7004	02-72-5205		NUMBERS AIRCRAFT IDENTIFICATION # 5 WOOD POLE	18			18.22	.00
	L7004	02-72-5206		NUMBERS AIRCRAFT IDENTIFICATION # 6 WOOD POLE	30			18.22	.00
	L7004	02-72-5207		NUMBERS AIRCRAFT IDENTIFICATION # 7 WOOD POLE	34			18.22	.00
	L7004	02-72-5208		NUMBERS AIRCRAFT IDENTIFICATION # 8 WOOD POLE	8			18.25	.00
	L7004	02-72-5209		NUMBERS AIRCRAFT IDENTIFICATION # 9 WOOD POLE	6			18.19	.00
	L7004	50-07-5002		BOLT DOUBLE ARMING 7/8" X 28" GALVANIZED	3			5.97	.00
	L7004	50-08-2120		BOLT EYE BALL LINK GALVANIZED 3/4" X 12" SQUARE HEAD ONLY	9			48.07	.00
	L7004	50-08-2140		BOLT EYE BALL LINK GALVANIZED 3/4" X 14" SQUARE HEAD ONLY	51			53.42	.00
	L7004	50-08-2160		BOLT EYE BALL LINK GALVANIZED 3/4" X 16" SQUARE HEAD ONLY	1			56.14	.00
	L7004	50-08-2260		BOLT EYE BALL LINK GALVANIZED 7/8" X 16" SQUARE HEAD ONLY	6			25.95	.00
	L7004	50-08-6500		BOLT EYE SHOULDER GALVANIZED 3/4" X 10" SQUARE HEAD ONLY	24			18.32	.00
	L7004	50-08-6540		BOLT EYE SHOULDER GALVANIZED 3/4" X 14" SQUARE HEAD ONLY	26			31.73	.00
	L7004	50-09-1540		BOLT LAG FETTER DRIVE & PILOT POINT GALVANIZED 1/2" X 4" AS PER CSA STDC83.101M 250 PER BOX	300			.49	.00
	L7004	50-09-3200		BOLT LAG 3/4 X 8" GALVANIZED HEX HEAD APPROVED BY J MCFADGEN	150			4.27	.00
	L7004	50-10-3120		BOLT MACHINE SQUARE HEAD GALVANIZED 5/8" X 12" CSA STD C83 ITEM B-3 50 PER PKG	104			1.11	.00
	L7004	50-10-3140		BOLT MACHINE SQUARE HEAD GALVANIZED 5/8" X 14 CSA STD.C83 ITEM B-3 50 PER PKG	15			1.36	.00
	L7004	50-10-4140		BOLT MACHINE SQUARE HEAD GALVANIZED 3/4" X 14" CSA STD. C83 ITEM B-3 25 PER BOX	28			2.08	.00
	L7004	50-10-4160		BOLT MACHINE SQUARE HEAD GALVANIZED 3/4" X 16" CSA STD. C83 ITEM B-3 HUGHES BROTHERS B716-6	53			2.71	.00
	L7004	50-10-4180		BOLT MACHINE SQUARE HEAD GALVANIZED 3/4"	4			4.38	.00

24 FEB 2010 - 13:34

PAGE 2

LISTING OF ALL MATERIAL ON WORK ORDER 267773

WORK ORDER	EQP_NO....	PART_#....	WHS	DECIPTION.....	PLANNED	ORDERED	ISSUED	COST	TOTAL
				X 18" HUGHES BROTHERS B718-6					
	L7004	50-10-4200		BOLT MACHINE SQUARE HEAD GALVANIZED 3/4"	3			5.39	.00
				X 20" HUGHES BROTHERS B720-6					
	L7004	50-10-4220		BOLT MACHINE SQUARE HEAD GALVANIZED 3/4"	6			5.54	.00
				X 22"					
	L7004	50-10-4260		BOLT MACHINE SQUARE HEAD GALVANIZED 3/4"	2			3.66	.00
				X 26" HUGHES BROTHERS B726-8					
	L7004	50-10-4280		BOLT MACHINE SQUARE HEAD GALVANIZED 3/4"	18			8.39	.00
				X 28" HUGHES BROTHERS B728-8					
	L7004	50-10-4520		BOLT MACHINE SQUARE HEAD GALVANIZED 7/8"	33			3.99	.00
				X 12" HUGHES BROTHERS B812-6					
	L7004	50-10-4620		BOLT MACHINE SQUARE HEAD GALVANIZED 7/8"	24			9.93	.00
				X 22" HUGHES BROTHERS B822-6					
	L7004	50-10-4640		BOLT MACHINE SQUARE HEAD GALVANIZED 7/8"	3			10.46	.00
				X 24" HUGHES BROTHERS B824-6					
	L7004	50-10-4660		BOLT MACHINE SQUARE HEAD GALVANIZED 7/8"	163			10.68	.00
				X 26" HUGHES BROTHERS B826-8					
	L7004	50-10-4700		BOLT MACHINE SQUARE HEAD GALVANIZED 7/8"	24			14.08	.00
				X 30" HUGHES BROTHERS B830-8					
	L7004	50-10-4740		BOLT MACHINE SQUARE HEAD GALVANIZED 7/8"	28			26.46	.00
				X 34" HUGHES BROTHERS B834-8					
	L7004	50-11-9400		BOLT TOWER 5/8 DIA. X 1 3/4 GRADE	2			.91	.00
				5GALVANIZED GRADE A325 WITH					
				GALVANIZEGALVANIZED LOCK WASHER 1/8					
				THICKNESS 2 1/4 OD-3/4 HOLE					
	L7004	50-23-3000		CLEVIS DEADEND THIMBLE 5/8" COTTER BOLT	2			7.27	.00
				24000 LBS (106.8 KN)					
	L7004	50-28-5430		EXTENSION, ANCHOR, GALVANIZED 3/4" X 4',	3			18.16	.00
				DOUBLE THIMBLE EYE AS PER CSA STD.					
				C83.114M 5 PER BUNDLE					
	L7004	50-30-0200		CHOCK POLE ADJUSTABLE GALV.	25			37.65	.00
	L7004	50-30-0500		FITTING THRUST ADJUSTABLE GALV.	25			80.08	.00
	L7004	50-30-0640		FITTING BALL CLEVIS LONG GALV.	9			21.19	.00
	L7004	50-30-1580		FITTING CENTRE PHASE ASSEMBLY 25000 LBS.	12			98.22	.00
				5/8" X 9" SHACKLES & BALL EYE					
	L7004	50-30-2750		NUT OVAL EYE 5/8" CSA STD C83.84M NO.2	2			1.43	.00
				100 PER BOX					
	L7004	50-30-3000		CLEVIS HOT LINE SOCKET EXTENSION	6			31.20	.00
	L7004	50-30-6070		FITTING SOCKET CLEVIS 18000 LB MIN.	18			7.01	.00
	L7004	50-30-9750		KEY COTTER C/W R.I.V.-T.V.I. SUPPRESSION	36			7.12	.00
				CLIP					
	L7004	50-30-9830		TURNBUCKLE 5/8" JAW-EYE (12" INSIDE	3			78.86	.00
				MEASUREMENT) C/W 1/2" X 2 1/8" HEX BOLT					
				& NUT ON JAW END 12000 LB MINIMUM					
				BREAKING STRENGTH 21 1/2" OVERALL LENGTH					
				WITH BOTH ENDFITTINGS IN CLOSED POSITION					
	L7004	50-35-1000		GAIN GRID 4" X 6" WITH 13/16" HOLE POLE	4			6.02	.00
				RANGE 5" TO 10"					
	L7004	50-35-1050		GAIN GRID 4" X 6" WITH 15/16" HOLE POLE	25			6.49	.00
				RANGE 5" TO 10" SLAYTER #60188					
	L7004	50-35-1120		GAIN GRID 4 5/8" X 6" WITH 15/16" HOLE	52			10.92	.00
				POLE RANGE 6" TO 12"					
	L7004	50-35-5300		GRIP GUY PREFORMED FOR 5/16" GUYWIREFWITH	56			1.83	.00

24 FEB 2010 - 13:34

PAGE 3

LISTING OF ALL MATERIAL ON WORK ORDER 267773

WORK ORDER	EQP_NO....	PART_#....	WHS	DESCRIPTION.....	PLANNED	ORDERED	ISSUED	COST	TOTAL
				CLASS B GALV.AND CABLED LOOP **MUST HAVE					
				STAGGERED ENDS** 50 PER BOX					
L7004		50-35-5310		GRIP GUY PREFORMED 9/16"	20			.01	.00
L7004		50-35-5380		GRIP GUY PREFORMED 7/16" COLOR CODE	70			4.83	.00
				GREEN GRIP LENGTH 38"					
L7004		50-35-6000		LINK GUY PREFORMED 7/16" GALVANIZED 38"	27			8.55	.00
				LONG GREEN					
L7004		50-40-1010		HARDWARE CROSS BRACING SET	2			248.27	.00
L7004		50-40-3240		HOOK GUY FOR 5/8" AND 3/4" BOLT TYPEA #1	19			2.74	.00
				CSA STD C83-100M 25 PER BOX FOR					
				APPLICATIONS UP TO 138KV					
L7004		50-40-3760		HOOK "J" ONE HOLE TYPE 11/16" BOLT HOLE	30			.79	.00
				GALV.					
L7004		50-40-3840		STRAP GUY 1/4" X 1 1/2" X 7" 13/16"HOLE	24			10.58	.00
				GALVANIZED					
L7004		50-45-4500		PALNUT LOCK NUT 5/8" GALV. 100/PKG	125			.22	.00
L7004		50-45-4520		PALNUT LOCK NUT 3/4" GALV. 100/PKG MIN	270			.36	.00
				ORDER 2200					
L7004		50-45-4540		PALNUT LOCK NUT 7/8" GALV.	225			.26	.00
L7004		50-53-3500		PLATE STRAIN GALVANIZED 4"X8" 14 GA	30			3.47	.00
L7004		50-53-5800		PLATE POLE BEARING GALVANIZED 1/4"X 4"X	20			107.86	.00
				4" NSP 70					
L7004		50-53-5860		PLATE GALVANIZED BENT PLATE 50MM X 125MM	2			24.23	.00
				X 8MM THICKNESS 11/16" HOLE					
L7004		50-56-3390		ROD ANCHOR DOUBLE THIMBLE EYE GALV.	2			30.26	.00
				3/4"X 9' (MBE A-3609)					
L7004		50-59-2000		STAPLES GROUND WIRE MOLDING 2" 100 PER	1680			.15	.00
				BOX					
L7004		50-63-2240		WASHER CURVED, 3 1/4" X 3 1/8" X	8			.71	.00
				1/4"13/16" HOLE CSA STD C83 ITEM W-2 NSP					
				40 50 PER BOX					
L7004		50-63-2300		WASHER CURVED 3 7/8" X 4" X 3/8" WITH	260			2.95	.00
				13/16" HOLE					
L7004		50-63-2320		WASHER CURVED 3 7/8" X 4" X 3/8" WITH	400			3.16	.00
				15/16" HOLE **MUST BE SHIPPED 25/BOX**					
L7004		50-63-2400		WASHER CURVED 3 7/8" X 4" X 1/2" 15/16"	6			2.15	.00
				HOLE					
L7004		50-63-4090		WASHER, GALVANIZED, ROUND , 9/16"	24			.09	.00
				DIAMETER HOLE					
L7004		50-63-6300		WASHER SQUARE 2-1/4" X 2-1/4" X 3/16"WITH	11			.31	.00
				11/16" DIA. HOLE GALV.					
L7004		52-50-0575		INSULATOR FIBREGLASS GUY STRAIN 54"	2			24.54	.00
				16000 LB C/W CLEVIS PINS BOTH ENDS					
L7004		52-50-7840		INSULATOR SUSPENSION MUNSELL GREY 70 KN	504			15.11	.00
				(15000 LBS.) ANSI CLASS 52-3 96 ON A					
				PALLET					
L7004		52-50-7920		INSULATOR SUSPENSION PORCELAIN 25000 LB	200			16.23	.00
				MUNSELL GREY 120 KN 96 PER PALLET					
L7004		54-25-1760		SERVIT UNV 1/0 STR - 2/0 STR	126			1.57	.00
L7004		63-08-6020		POLE PENTA TREATED 60' CLASS 2	1			1185.03	.00
L7004		63-08-6520		POLE PENTA TREATED 65' CLASS 2	6			1323.49	.00
L7004		63-08-7020		POLE PENTA TREATED 70' CLASS 2	17			1568.06	.00
L7004		63-08-7520		POLE PENTA TREATED 75' CLASS 2	5			1854.61	.00

24 FEB 2010 - 13:34

PAGE 4

LISTING OF ALL MATERIAL ON WORK ORDER 267773

WORK ORDER	EQP_NO....	PART_#....	WHS DESCRIPTION.....	PLANNED	ORDERED	ISSUED	COST	TOTAL
	L7004	63-08-8020	POLE PENTA TREATED 80' CLASS 2,	1			2810.94	.00
	L7004	63-08-8520	POLE PENTA TREATED 85' CLASS 2,	9			.00	.00
	L7004	63-12-2510	TIMBER TREATED 100 X 100 X 6,400 MM (4" X 4" X 21')	4			188.24	.00
	L7004	63-12-7850	TIMBER TREATED SPAR 6,300 MM CLASS AS SPECIFIED (DRILLED DRAWING 279Z-22-18)	1			203.50	.00
	L7004	63-12-7900	TIMBER SPAR 6800 MM TREATED DRILLED DRAWING # 279Z-22-19	3			.00	.00
	L7004	63-12-7940	TIMBER SPAR 8,300 MM DRILLED DRAWING #279Z-22-29	2			.00	.00
	L7004	63-12-7990	TIMBER TREATED SPAR 9,000 MM CLASS AS SPECIFIED (DRILLED DRAWING 279Z-22-20)	1			111.23	.00
	L7004	63-12-8000	TIMBER TREATED SPAR 9,100 MM DRILLED DRAWING 279Z-22-21	30			119.41	.00
	L7004	63-12-8009	TIMBER SPAR 10,400 MM TREATED DRILLED DRAWING # 279Z-22-22	3			.00	.00
	L7004	63-12-8010	TIMBER TREATED SPAR ARM 10,700 MM DRILLED DWG. 279Z-22-23	40			150.84	.00
	L7004	63-12-8990	LOG ANCHORS TREATED 1500 MM (5 FT)	2			10.18	.00
	L7004	65-34-4900	WIRE GUY GALVANIZED GRADE 180 3/16" 150M / 18 KG COILS	126			2.25	.00
	L7004	65-34-5180	WIRE, 5/16" GALVANIZED GUY WIRE, GRADE 180 STEEL STRAND , MINIMUM BREAKING STRENGTH 11150 LBS OUTSIDE DIA. OF COIL 26" , 5" WIDE 30 KG COILS	288			2.80	.00
	L7004	65-34-7100	WIRE GUY GALVANIZED GRADE 160 5/16"150M / 50 KG COILS	466			1.60	.00
	L7004	65-34-7180	WIRE GUY GALVANIZED GRD.180 7/16 50KG COILS	428			2.90	.00
	L7004	54-84-3800	SLEEVE ACSR 26/7 STR 795.	4			42.01	.00

.00

.00

1 Rows Processed

NON-CONFIDENTIAL

Request IR-3:

On page 5 of the approval request NSPI states:

This capital item increased by \$226,954 from ACE 2010 mainly due to an increased contract cost and associated administrative overhead. The change in contracts is due to a refinement of the original estimate. There has been no change in project scope.

Could you please elaborate on "a refinement of the original estimate"?

Response IR-3:

At the time the budget item was assembled, detailed scoping was not complete. Prior to the item being submitted for approval, additional scoping was carried out for the project and it was determined that additional work was required to complete the scope of work, resulting in an increased estimate. The additional work included more poles, crossarms, and insulators.

NON-CONFIDENTIAL

Request IR-4:

In its application request (page 4) NSPI states that "this work is being completed by an affiliate":

(a) Please explain the decision to outsource this work.

(b) Please explain the decision to award the contract to the affiliate.

(c) Does the decision to award this contract to the affiliate comply with all the requirements of the Code of Conduct? Please elaborate.

Response IR-4:

The following information was included in ACE 2010 IR-T11 filed with the Board on March 5, 2010. Excerpts have been removed from this response to align with these specific IRs.

(a) "NSPI's contractor management model takes the following into consideration:

- The nature of the work to be undertaken (e.g. transmission versus distribution, live line versus deadline, customer requested versus new construction);
- The availability of NSPI's PLT workforce;
- The scope of the project (i.e. Is the project better matched with NSPI crew availability/size or a contractor crew);
- Project location, duration, resource requirements.

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Response IR-4: (cont'd)

Reasons for engaging contractors versus undertaking work with the Company's workforce include the following:

- The work requirement is intermittent. The contractor is able to sustain its workforce and the skills of its employees by doing similar work for other parties. The intermittent nature of the work would not warrant NSPI increasing its full-time workforce to perform the work.
- Contractor costs are lower than the cost of NSPI undertaking the work directly.
- Work location and/or content vary significantly over time. The flexibility provided by the contractor cannot be economically achieved by NSPI. Moreover aspects of the work may not require the full skill set held by NSPI employees.
- The work is highly specialized. Some work requires a unique skill-set not possessed by NSPI personnel.

The primary functions for this group of employees are:

- Distribution System repair, maintenance and construction
- Transmission System repair, maintenance and construction
- Customer outage restoration
- Customer connection/disconnection

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1 Response IR-4: (cont'd)

2
3 The level of variability supports NSPI's engagement of a contractor workforce. The
4 contractor allows NSPI to meet its customers' needs during peak operating and capital
5 work volumes without making a long-term commitment to a significantly increased
6 internal workforce where this requirement may not be sustained in the long-term.

7
8 The contractor workforce provides a high level of flexibility to deploy PLT resources
9 across the Province and across functions that is difficult to achieve with an internal
10 workforce. As well, the contractor engagement allows NSPI to manage a larger work
11 load, while ensuring jobs undertaken by its own highly skilled PLT workforce are most
12 appropriate for that group and for our customers."

13
14 (b) "The Board's June 2008 Decision in respect of the review of affiliate transactions, NSPI
15 was directed not to make any modifications or extensions to existing contractual
16 arrangements in respect of PLT services. The Board anticipated that concerns about PLT
17 contract services would be addressed by the revisions to the Code of Conduct, which
18 have subsequently become effective on June 1, 2009.

19
20 The terms of the contract provide:

- 21
- 22 • The contract extends for the period 2008 to 2010.
 - 23
 - 24 • EUS to provide Standard Work Hours (SWH) of distribution and transmission
25 work per year to NSPI.
 - 26
 - 27 • Rates vary according to work volumes and whether or not the work is completed
28 under energized conditions.
 - 29

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1 Response IR-4: (cont'd)

- 2
- 3 • Work includes scoping, planning and scheduling and maintenance and
 - 4 construction activities.
- 5

6 NSPI has not made any changes to its master agreement with EUS, nor has that master
7 agreement been extended. It will expire on December 31, 2010. At that time, if a new
8 master agreement is executed with an affiliate, the new terms of the Code of Conduct will
9 apply to that contractual relationship.”

10

- 11 (c) “The Board changed the Code of Conduct after the PLT contract was executed (following
12 a competitive solicitation) and the Board had directed NSPI not to change existing
13 contracts.
- 14

15 In previous correspondence with the Board NSPI has provided information regarding its
16 contract with Emera Utility Services (EUS) for the supply of contractor linework
17 services. The parties operate according to the terms of a three-year contract which was
18 awarded to EUS following a competitive solicitation process conducted by NSPI in
19 2007.”

REDACTED

Request IR-5:

Based on Attachment 1 of NSPI's response to IR-T1, filed in support of the 2010 ACE Plan approval request on March 5, 2010, it appears that the estimated cost for affiliate work of \$1,296,216 implies an hourly rate of [REDACTED]. In the same response NSPI states that the estimated cost "is based on the line services agreement (2008-2010)". Page 7 of the approval request states that the "Contract estimate of \$1,487,684 is based on a rate of [REDACTED]/hour:

(a) Please explain the difference in hourly rates.

(b) What is the estimated number of hours for this project?

Response IR-5:

(a) The hourly rate indicated on Page 7 of the approval request is incorrect. The contract estimate of \$1,487,684 is based on a rate of [REDACTED]/hour.

The amount of [REDACTED] per Standard Work Unit Hour is applicable to distribution work and would not relate to this item as this is a transmission project.

(b) It was estimated that approximately 8,750 Standard Work Unit Hours would be required to complete this project.