



FILED 4/2/2024
DOCUMENT NO. 01524-2024
FPSC - COMMISSION CLERK

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April 2, 2024

ELECTRONIC FILING

Mr. Adam J. Teitzman, Commission Clerk
Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Docket 20240026-EI; Petition for Rate Increase by Tampa Electric Company

Dear Mr. Teitzman:

Attached for filing on behalf of Tampa Electric Company in the above-referenced docket are the Minimum Filing Requirements – E Schedules – Volume IV of IV (Lighting Incremental Cost Study) (Exhibit No. TEC-9).

Thank you for your assistance in connection with this matter.

(Document 29 of 32)

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Jeffrey Wahlen', with a long horizontal flourish extending to the right.

J. Jeffrey Wahlen

cc: All parties

JJW/ne
Attachment



MINIMUM FILING REQUIREMENTS

SCHEDULE E

LIGHTING INCREMENTAL COST OF STUDY - 2024

Tampa Electric Company
LED Rates - Cost Supported

LED, 27W WATCH LIGHT
912

<u>Line</u>	<u>Material</u>		<u>Cost</u>
1	Luminaire	\$	104.84
2	Bracket, Bracket Cable, & Hardware	\$	55.02
3	Network Lighting Control (NLC)	\$	105.91
4	Materials Handling (Lines 1-3 x 10.05%)	\$	26.71
5	Total Materials (Sum of Lines 1 through 6)	\$	292.47
6			
7	<u>Labor/Vehicle</u>		
8	Installation	\$	237.84
9	NLC Communication & Infrastructure	\$	95.34
10	NLC Integration	\$	39.68
11	Engineering	\$	145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$	518.20
13			
14	Total Installed Cost (Line 7 + Line 12)	\$	810.67
15			
16	Fixed Charge Rate		10.68%
17			
18	Yearly Facilities Charge (Line 14 x Line 16)	\$	86.56
19			
20	Monthly Facilities Charge (Line 18 / 12 months)	\$	7.21
21			
22	Monthly Maintenance Charge		\$1.48
		\$	8.69

Tampa Electric Company
LED Rates - Cost Supported

LED, 47W AUTOBAHN/ AUTOBAHN MICRO
914

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 148.73
2	Bracket, Bracket Cable, & Hardware	\$ 67.50
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 32.37
5	Total Materials (Sum of Lines 1 through 6)	\$ 354.51
6		
7	Labor/Vehicle	
8	Installation	\$ 237.84
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 518.20
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 872.71
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 93.18
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 7.77
21		
22	Monthly Maintenance Charge	\$1.59
		\$ 9.36

Tampa Electric Company
LED Rates - Cost Supported

LED, 84W EVOLVE
921

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 172.24
2	Bracket, Bracket Cable, & Hardware	\$ 66.15
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 34.60
5	Total Materials (Sum of Lines 1 through 6)	\$ 378.89
6		
7	Labor/Vehicle	
8	Installation	\$ 237.84
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 518.20
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 897.09
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 95.79
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 7.98
21		
22	Monthly Maintenance Charge	\$1.66
		\$ 9.64

Tampa Electric Company
LED Rates - Cost Supported

LED, 105W AUTOBAHN
926

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 275.24
2	Bracket, Bracket Cable, & Hardware	\$ 67.80
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 45.12
5	Total Materials (Sum of Lines 1 through 6)	\$ 494.07
6		
7	<u>Labor/Vehicle</u>	
8	Installation	\$ 237.84
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 518.20
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 1,012.28
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 108.09
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 9.01
21		
22	Monthly Maintenance Charge	\$1.92
		\$ 10.93

Tampa Electric Company
LED Rates - Cost Supported

LED, 133W AUTOBAHN
932

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 315.01
2	Bracket, Bracket Cable, & Hardware	\$ 80.32
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 50.37
5	Total Materials (Sum of Lines 1 through 6)	\$ 551.61
6		
7	Labor/Vehicle	
8	Installation	\$ 237.84
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 518.20
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 1,069.81
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 114.23
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 9.52
21		
22	Monthly Maintenance Charge	\$2.03
		\$ 11.55

Tampa Electric Company
LED Rates - Cost Supported

LED, 143W USSL EATON
935

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 356.48
2	Bracket, Bracket Cable, & Hardware	\$ 186.51
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 65.21
5	Total Materials (Sum of Lines 1 through 6)	\$ 714.11
6		
7	Labor/Vehicle	
8	Installation	\$ 237.84
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 518.20
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 1,232.31
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 131.58
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 10.96
21		
22	Monthly Maintenance Charge	\$2.14
		\$ 13.10

Tampa Electric Company
LED Rates - Cost Supported

LED, 145W AUTOBAHN
937

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 256.43
2	Bracket, Bracket Cable, & Hardware	\$ 81.27
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 44.58
5	Total Materials (Sum of Lines 1 through 6)	\$ 488.19
6		
7	Labor/Vehicle	
8	Installation	\$ 237.84
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 518.20
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 1,006.39
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 107.46
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 8.95
21		
22	Monthly Maintenance Charge	\$ 1.88
		\$ 10.83

Tampa Electric Company
LED Rates - Cost Supported

LED, 182W ARCHEON/VERDEON
941

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 311.68
2	Bracket, Bracket Cable, & Hardware	\$ 81.31
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 50.14
5	Total Materials (Sum of Lines 1 through 6)	\$ 549.04
6		
7	Labor/Vehicle	
8	Installation	\$ 237.84
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 518.20
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 1,067.24
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 113.95
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 9.50
21		
22	Monthly Maintenance Charge	\$2.02
		\$ 11.52

Tampa Electric Company
LED Rates - Cost Supported

**LED, 247W VERDEON
945**

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 348.76
2	Bracket, Bracket Cable, & Hardware	\$ 187.55
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 64.54
5	Total Materials (Sum of Lines 1 through 6)	\$ 706.76
6		
7	Labor/Vehicle	
8	Installation	\$ 349.07
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 629.43
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 1,336.18
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 142.67
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 11.89
21		
22	Monthly Maintenance Charge	\$2.12
		\$ 14.01

Tampa Electric Company
LED Rates - Cost Supported

LED, 330W EVOLVE/ 327W/ 305W
947

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 841.11
2	Bracket, Bracket Cable, & Hardware	\$ 189.05
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines 1-3 x 10.05%)	\$ 114.17
5	Total Materials (Sum of Lines 1 through 6)	\$ 1,250.23
6		
7	Labor/Vehicle	
8	Installation	\$ 349.07
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 629.43
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 1,879.66
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 200.70
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 16.72
21		
22	Monthly Maintenance Charge	\$ 3.40
		\$ 20.12

Tampa Electric Company
LED Rates - Cost Supported

LED, 199W ACP FLOOD 6X6
951

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 596.52
2	Bracket, Bracket Cable, & Hardware	\$ 87.60
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines 1-3 x 10.05%)	\$ 79.39
5	Total Materials (Sum of Lines 1 through 6)	\$ 869.42
6		
7	<u>Labor/Vehicle</u>	
8	Installation	\$ 237.84
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 518.20
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 1,387.63
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 148.16
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 12.35
21		
22	Monthly Maintenance Charge	\$2.76
		\$ 15.11

Tampa Electric Company
LED Rates - Cost Supported

LED, 252W FLOOD, 6X6
953

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 734.15
2	Bracket, Bracket Cable, & Hardware	\$ 206.26
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 105.15
5	Total Materials (Sum of Lines 1 through 6)	\$ 1,151.46
6		
7	Labor/Vehicle	
8	Installation	\$ 237.84
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 518.20
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 1,669.66
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 178.28
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 14.86
21		
22	Monthly Maintenance Charge	\$ 3.12
		\$ 17.98

Tampa Electric Company
LED Rates - Cost Supported

LED, 225W GALLEON
956

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 657.85
2	Bracket, Bracket Cable, & Hardware	\$ 81.23
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 84.91
5	Total Materials (Sum of Lines 1 through 6)	\$ 929.90
6		
7	Labor/Vehicle	
8	Installation	\$ 237.84
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 518.20
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 1,448.11
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 154.62
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 12.89
21		
22	Monthly Maintenance Charge	\$ 2.92
		\$ 15.81

Tampa Electric Company
LED Rates - Cost Supported

**LED, 333W GALLEON
958**

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 823.21
2	Bracket, Bracket Cable, & Hardware	\$ 81.70
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines 1-3 x 10.05%)	\$ 101.58
5	Total Materials (Sum of Lines 1 through 6)	\$ 1,112.40
6		
7	Labor/Vehicle	
8	Installation	\$ 237.84
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 10 + Line 11)	\$ 518.20
13		
14	Total Installed Cost (Line 7 + Line 12)	\$ 1,630.60
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 174.11
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 14.51
21		
22	Monthly Maintenance Charge	\$ 3.36
		\$ 17.87

Tampa Electric Company
LED Rates - Cost Supported

LED 26W GRNVIL PT/ 30W LEXINGTON PT
965

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 339.16
2	Bracket, Bracket Cable, & Hardware	\$ 2.16
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines 1-3 x 10.05%)	\$ 44.94
5	Total Materials (Sum of Lines 1 through 5)	\$ 492.17
6		
7	Labor/Vehicle	
8	Installation	\$ 209.68
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 9 + Line 10)	\$ 490.04
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 982.21
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 104.87
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 8.74
21		
22	Monthly Maintenance Charge	\$ 1.13
		\$ 9.87

Tampa Electric Company
LED Rates - Cost Supported

**LED 39W ENH GRNVL PT / 37W
967**

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 639.32
2	Bracket, Bracket Cable, & Hardware	\$ 2.16
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 75.11
5	Total Materials (Sum of Lines 1 through 5)	<u>\$ 822.50</u>
6		
7	Labor/Vehicle	
8	Installation	\$ 209.68
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	<u>\$ 145.34</u>
12	Total Labor/Vehicle (Line 9 + Line 10)	<u>\$ 490.04</u>
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 1,312.54
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 140.15
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 11.68
21		
22	Monthly Maintenance Charge	\$1.45
		\$ 13.13

Tampa Electric Company
LED Rates - Cost Supported

LED 39W ENH GRNVL PT/ 37W
968

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 823.08
2	Bracket, Bracket Cable, & Hardware	\$ 2.16
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 93.57
5	Total Materials (Sum of Lines 1 through 5)	\$ 1,024.72
6		
7	Labor/Vehicle	
8	Installation	\$ 209.68
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 9 + Line 10)	\$ 490.04
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 1,514.76
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 161.74
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 13.48
21		
22	Monthly Maintenance Charge	\$ 1.64
		\$ 15.12

Tampa Electric Company
LED Rates - Cost Supported

LED, 55W UTILITY PT
971

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 783.39
2	Bracket, Bracket Cable, & Hardware	\$ 2.16
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 89.58
5	Total Materials (Sum of Lines 1 through 5)	\$ 981.04
6		
7	Labor/Vehicle	
8	Installation	\$ 209.68
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 9 + Line 10)	\$ 490.04
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 1,471.08
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 157.07
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 13.09
21		
22	Monthly Maintenance Charge	\$1.60
		\$ 14.69

Tampa Electric Company
LED Rates - Cost Supported

LED 60W GRNVIL PT/ 57W
972

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 709.99
2	Bracket, Bracket Cable, & Hardware	\$ 2.16
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 82.21
5	Total Materials (Sum of Lines 1 through 5)	\$ 900.27
6		
7	Labor/Vehicle	
8	Installation	\$ 209.68
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 9 + Line 10)	\$ 490.04
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 1,390.31
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 148.45
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 12.37
21		
22	Monthly Maintenance Charge	\$ 1.52
		\$ 13.89

Tampa Electric Company
LED Rates - Cost Supported

LED 60W ENH GRNVL PT/ 57W
973

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 804.01
2	Bracket, Bracket Cable, & Hardware	\$ 2.16
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines1-3 x 10.05%)	\$ 91.66
5	Total Materials (Sum of Lines 1 through 5)	\$ 1,003.74
6		
7	<u>Labor/Vehicle</u>	
8	Installation	\$ 209.68
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 9 + Line 10)	\$ 490.04
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 1,493.78
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 159.50
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 13.29
21		
22	Monthly Maintenance Charge	\$1.62
		\$ 14.91

Tampa Electric Company
LED Rates - Cost Supported

LED, 76W UTILITY PT
975

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Luminaire	\$ 837.60
2	Bracket, Bracket Cable, & Hardware	\$ 2.16
3	Network Lighting Control (NLC)	\$ 105.91
4	Materials Handling (Lines 1-3 x 10.05%)	\$ 95.03
5	Total Materials (Sum of Lines 1 through 5)	\$ 1,040.70
6		
7	Labor/Vehicle	
8	Installation	\$ 209.68
9	NLC Communication & Infrastructure	\$ 95.34
10	NLC Integration	\$ 39.68
11	Engineering	\$ 145.34
12	Total Labor/Vehicle (Line 9 + Line 10)	\$ 490.04
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 1,530.74
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 163.44
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 13.62
21		
22	Monthly Maintenance Charge	\$ 1.66
		\$ 15.28

Tampa Electric Company
LED Rates - Cost Supported

Aluminum, 10 ft, DB
422

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 94.06
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 212.55
4	Conduit	\$ 283.02
5	Materials Handling (Lines1-4 x 10.05%)	\$ 59.25
6	Total Materials (Sum of Lines 1 through 5)	\$ 648.88
7		
8	Labor/Vehicle	
9	Installation	\$ 867.84
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,011.53
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 1,660.41
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 177.29
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 14.77
21		
22	Monthly Maintenance Charge	\$2.88
		\$ 17.65

Tampa Electric Company
LED Rates - Cost Supported

**Wood (Inaccessible), 30 ft
425**

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 114.79
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 84.19
4	Conduit	\$ -
5	Materials Handling (Lines1-4 x 10.05%)	\$ 20.00
6	Total Materials (Sum of Lines 1 through 5)	\$ 218.98
7		
8	<u>Labor/Vehicle</u>	
9	Installation	\$ 339.74
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 483.43
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 702.41
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 75.00
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 6.25
21		
22	Monthly Maintenance Charge	\$0.33
		\$ 6.58

Tampa Electric Company
LED Rates - Cost Supported

Round, 23 ft, DB Concrete
523

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 1,417.15
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 249.09
4	Conduit	\$ 380.66
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 205.70
6	Total Materials (Sum of Lines 1 through 5)	\$ 2,252.60
7		
8	Labor/Vehicle	
9	Installation	\$ 1,159.57
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,303.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 3,555.87
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 379.68
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 31.64
21		
22	Monthly Maintenance Charge	\$ 0.96
		\$ 32.60

Tampa Electric Company
LED Rates - Cost Supported

Franklin Composite, PT, DB Composite
525

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 886.76
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 249.09
4	Conduit	\$ 380.66
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 152.40
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,668.91
7		
8	Labor/Vehicle	
9	Installation	\$ 1,159.57
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,303.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 2,972.17
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 317.35
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 26.45
21		
22	Monthly Maintenance Charge	\$2.95
		\$ 29.40

Tampa Electric Company
LED Rates - Cost Supported

Heritage, PT, DB Aluminum
580

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 306.21
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 246.73
4	Conduit	\$ 374.36
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 93.19
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,020.50
7		
8	<u>Labor/Vehicle</u>	
9	Installation	\$ 1,140.75
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,284.45
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 2,304.94
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 246.11
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 20.51
21		
22	Monthly Maintenance Charge	\$2.95
		\$ 23.46

Tampa Electric Company
LED Rates - Cost Supported

Capitol, PT, DB Aluminum
581

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 1,249.43
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 246.73
4	Conduit	\$ 374.36
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 187.97
6	Total Materials (Sum of Lines 1 through 5)	\$ 2,058.50
7		
8	<u>Labor/Vehicle</u>	
9	Installation	\$ 1,140.75
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,284.45
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 3,342.94
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 356.94
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 29.75
21		
22	Monthly Maintenance Charge	\$ 2.95
		\$ 32.70

Tampa Electric Company
LED Rates - Cost Supported

Winston, PT, DB Fiber
582

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 172.04
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 249.09
4	Conduit	\$ 380.66
5	Materials Handling (Lines1-4 x 10.05%)	\$ 80.57
6	Total Materials (Sum of Lines 1 through 5)	\$ 882.36
7		
8	Labor/Vehicle	
9	Installation	\$ 1,159.57
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,303.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 2,185.63
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 233.37
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 19.45
21		
22	Monthly Maintenance Charge	\$ 2.95
		\$ 22.40

Tampa Electric Company
LED Rates - Cost Supported

Waterford, PT, DB Concrete
583

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 1,543.37
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 249.09
4	Conduit	\$ 380.66
5	Materials Handling (Lines1-4 x 10.05%)	\$ 218.38
6	Total Materials (Sum of Lines 1 through 5)	\$ 2,391.50
7		
8	Labor/Vehicle	
9	Installation	\$ 1,159.57
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,303.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 3,694.77
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 394.51
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 32.88
21		
22	Monthly Maintenance Charge	\$ 0.96
		\$ 33.84

Tampa Electric Company
LED Rates - Cost Supported

Aluminum, PT, DB
584

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 423.75
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 246.73
4	Conduit	\$ 374.36
5	Materials Handling (Lines1-4 x 10.05%)	\$ 105.00
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,149.84
7		
8	Labor/Vehicle	
9	Installation	\$ 1,140.75
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,284.45
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 2,434.29
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 259.92
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 21.66
21		
22	Monthly Maintenance Charge	\$ 2.95
		\$ 24.61

Tampa Electric Company
LED Rates - Cost Supported

Charleston Banner, PT, DB Aluminum
585

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 1,249.43
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 249.09
4	Conduit	\$ 380.66
5	Materials Handling (Lines1-4 x 10.05%)	\$ 188.84
6	Total Materials (Sum of Lines 1 through 5)	\$ 2,068.02
7		
8	<u>Labor/Vehicle</u>	
9	Installation	\$ 1,159.57
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,303.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 3,371.29
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 359.97
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 30.00
21		
22	Monthly Maintenance Charge	\$2.95
		\$ 32.95

Tampa Electric Company
LED Rates - Cost Supported

Charleston, PT, DB Aluminum
586

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 640.19
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 249.09
4	Conduit	\$ 380.66
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 127.62
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,397.56
7		
8	<u>Labor/Vehicle</u>	
9	Installation	\$ 1,159.57
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,303.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 2,700.83
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 288.38
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 24.03
21		
22	Monthly Maintenance Charge	\$ 2.95
		\$ 26.98

Tampa Electric Company
LED Rates - Cost Supported

Riviera, PT, DB Aluminum
587

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ -
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ -
4	Conduit	\$ -
5	Materials Handling (Lines 1-4 x 10.05%)	\$ -
6	Total Materials (Sum of Lines 1 through 5)	\$ -
7		
8	Labor/Vehicle	
9	Installation	\$ -
10	Engineering	\$ -
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ -
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ -
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ -
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ -
21		
22	Monthly Maintenance Charge	\$2.95
		\$ 2.95

Tampa Electric Company
LED Rates - Cost Supported

Standard, 35 ft, DB Concrete
588

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 824.02
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 384.72
4	Conduit	\$ 513.24
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 173.05
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,895.04
7		
8	Labor/Vehicle	
9	Installation	\$ 1,631.16
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,774.85
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 3,669.89
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 391.85
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 32.65
21		
22	Monthly Maintenance Charge	\$ 0.96
		\$ 33.61

Tampa Electric Company
LED Rates - Cost Supported

Steel, 30 ft, AB
589

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 1,422.46
2	Foundation/Base	\$ 1,095.42
3	Cable, Hardware, Grounding	\$ 270.86
4	Conduit	\$ 478.59
5	Materials Handling (Lines1-4 x 10.05%)	\$ 328.34
6	Total Materials (Sum of Lines 1 through 5)	\$ 3,595.68
7		
8	<u>Labor/Vehicle</u>	
9	Installation	\$ 1,621.56
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,765.25
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 5,360.93
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 572.41
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 47.70
21		
22	Monthly Maintenance Charge	\$5.29
		\$ 52.99

Tampa Electric Company
LED Rates - Cost Supported

Charleston HD, PT, DB Aluminum
590

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 481.38
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 249.09
4	Conduit	\$ 380.66
5	Materials Handling (Lines1-4 x 10.05%)	\$ 111.66
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,222.80
7		
8	Labor/Vehicle	
9	Installation	\$ 1,159.57
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,303.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 2,526.06
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 269.72
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 22.48
21		
22	Monthly Maintenance Charge	\$ 2.95
		\$ 25.43

Tampa Electric Company
LED Rates - Cost Supported

Tall Waterford, 35 ft, DB Concrete
591

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 2,615.03
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 308.04
4	Conduit	\$ 538.15
5	Materials Handling (Lines1-4 x 10.05%)	\$ 347.83
6	Total Materials (Sum of Lines 1 through 5)	\$ 3,809.04
7		
8	Labor/Vehicle	
9	Installation	\$ 1,630.12
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,773.81
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 5,582.85
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 596.11
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 49.68
21		
22	Monthly Maintenance Charge	\$ 0.96
		\$ 50.64

Tampa Electric Company
LED Rates - Cost Supported

Victorian, PT, DB Concrete
592

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 1,834.57
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 249.09
4	Conduit	\$ 380.66
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 247.65
6	Total Materials (Sum of Lines 1 through 5)	\$ 2,711.96
7		
8	Labor/Vehicle	
9	Installation	\$ 1,159.57
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,303.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 4,015.23
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 428.72
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 35.73
21		
22	Monthly Maintenance Charge	\$ 0.96
		\$ 36.69

Tampa Electric Company
LED Rates - Cost Supported

Winston, PT, DB Aluminum
593

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 415.76
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 242.74
4	Conduit	\$ 380.66
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 104.43
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,143.59
7		
8	Labor/Vehicle	
9	Installation	\$ 1,159.57
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,303.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 2,446.86
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 261.26
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 21.77
21		
22	Monthly Maintenance Charge	\$2.95
		\$ 24.72

Tampa Electric Company
LED Rates - Cost Supported

Standard, 40/45 ft, Concrete
594

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 1,455.70
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 208.53
4	Conduit	\$ -
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 167.24
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,831.47
7		
8	<u>Labor/Vehicle</u>	
9	Installation	\$ 369.18
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 512.87
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 2,344.34
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 250.32
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 20.86
21		
22	Monthly Maintenance Charge	\$0.33
		\$ 21.19

Tampa Electric Company
LED Rates - Cost Supported

Standard, 25/30 ft, DB Concrete
595

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 379.76
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 387.91
4	Conduit	\$ 525.84
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 129.99
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,423.50
7		
8	<u>Labor/Vehicle</u>	
9	Installation	\$ 1,668.80
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,812.49
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 3,235.99
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 345.52
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 28.79
21		
22	Monthly Maintenance Charge	\$ 0.96
		\$ 29.75

Tampa Electric Company
LED Rates - Cost Supported

Standard, 45 ft, DB Concrete
596

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 1,445.38
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 384.72
4	Conduit	\$ 513.24
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 235.49
6	Total Materials (Sum of Lines 1 through 5)	\$ 2,578.83
7		
8	Labor/Vehicle	
9	Installation	\$ 1,631.16
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,774.85
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 4,353.68
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 464.86
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 38.74
21		
22	Monthly Maintenance Charge	\$ 0.96
		\$ 39.70

Tampa Electric Company
LED Rates - Cost Supported

Wood, 40/45 ft
597

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 379.78
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 94.44
4	Conduit	\$ -
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 47.66
6	Total Materials (Sum of Lines 1 through 5)	\$ 521.87
7		
8	Labor/Vehicle	
9	Installation	\$ 369.18
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 512.87
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 1,034.74
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 110.48
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 9.21
21		
22	Monthly Maintenance Charge	\$ 0.33
		\$ 9.54

Tampa Electric Company
LED Rates - Cost Supported

Standard, 16 ft, DB Concrete
599

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 423.75
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 249.09
4	Conduit	\$ 380.66
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 105.87
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,159.37
7		
8	Labor/Vehicle	
9	Installation	\$ 1,159.57
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,303.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 2,462.64
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 262.95
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 21.91
21		
22	Monthly Maintenance Charge	\$0.96
		\$ 22.87

Tampa Electric Company
LED Rates - Cost Supported

Std, >100ftspan, 35 ft, DB Conc
607

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 824.02
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 373.57
4	Conduit	\$ 469.15
5	Materials Handling (Lines1-4 x 10.05%)	\$ 167.49
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,834.23
7		
8	Labor/Vehicle	
9	Installation	\$ 1,499.40
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,643.10
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 3,477.33
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 371.29
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 30.94
21		
22	Monthly Maintenance Charge	\$0.96
		\$ 31.90

Tampa Electric Company
LED Rates - Cost Supported

Std, 100-150ftspan, 35 ft, DB Conc
612

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 823.40
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 380.74
4	Conduit	\$ 497.49
5	Materials Handling (Lines1-4 x 10.05%)	\$ 171.00
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,872.64
7		
8	<u>Labor/Vehicle</u>	
9	Installation	\$ 1,584.10
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,727.79
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 3,600.43
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 384.43
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 32.04
21		
22	Monthly Maintenance Charge	\$ 0.96
		\$ 33.00

Tampa Electric Company
LED Rates - Cost Supported

Std, >150ftspan, 35 ft, DB Conc
614

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 823.16
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 409.42
4	Conduit	\$ 610.88
5	Materials Handling (Lines1-4 x 10.05%)	\$ 185.25
6	Total Materials (Sum of Lines 1 through 5)	\$ 2,028.72
7		
8	Labor/Vehicle	
9	Installation	\$ 1,922.89
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 2,066.59
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 4,095.30
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 437.27
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 36.44
21		
22	Monthly Maintenance Charge	\$0.96
		\$ 37.40

Tampa Electric Company
LED Rates - Cost Supported

Aluminum, 28 ft, DB
615

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 783.50
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 268.47
4	Conduit	\$ 469.15
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 152.86
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,673.98
7		
8	Labor/Vehicle	
9	Installation	\$ 1,456.36
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,600.05
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 3,274.03
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 349.58
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 29.13
21		
22	Monthly Maintenance Charge	\$ 5.29
		\$ 34.42

Tampa Electric Company
LED Rates - Cost Supported

Aluminum, 27 ft, DB
616

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 1,836.79
2	Foundation/Base	\$ 1,095.42
3	Cable, Hardware, Grounding	\$ 298.75
4	Conduit	\$ 588.84
5	Materials Handling (Lines1-4 x 10.05%	\$ 383.86
6	Total Materials (Sum of Lines 1 through 5)	\$ 4,203.65
7		
8	Labor/Vehicle	
9	Installation	\$ 1,950.94
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 2,094.63
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 6,298.28
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 672.50
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 56.04
21		
22	Monthly Maintenance Charge	\$ 5.29
		\$ 61.33

Tampa Electric Company
LED Rates - Cost Supported

Aluminum, 37 ft, DB
622

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 1,949.72
2	Foundation/Base	\$ 1,095.42
3	Cable, Hardware, Grounding	\$ 301.93
4	Conduit	\$ 601.43
5	Materials Handling (Lines1-4 x 10.05%)	\$ 396.79
6	Total Materials (Sum of Lines 1 through 5)	\$ 4,345.29
7		
8	Labor/Vehicle	
9	Installation	\$ 1,988.58
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 2,132.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 6,477.57
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 691.64
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 57.64
21		
22	Monthly Maintenance Charge	\$ 5.29
		\$ 62.93

Tampa Electric Company
LED Rates - Cost Supported

Waterside, 38 ft, DB Aluminum
623

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 1,918.33
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 261.30
4	Conduit	\$ 440.80
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 263.33
6	Total Materials (Sum of Lines 1 through 5)	\$ 2,883.76
7		
8	Labor/Vehicle	
9	Installation	\$ 1,371.66
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,515.35
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 4,399.11
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 469.71
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 39.14
21		
22	Monthly Maintenance Charge	\$ 5.29
		\$ 44.43

Tampa Electric Company
LED Rates - Cost Supported

Fiber, PT, DB
624

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 191.53
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 212.55
4	Conduit	\$ 283.02
5	Materials Handling (Lines1-4 x 10.05%)	\$ 69.05
6	Total Materials (Sum of Lines 1 through 5)	\$ 756.14
7		
8	Labor/Vehicle	
9	Installation	\$ 867.84
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 1,011.53
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 1,767.67
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 188.74
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 15.73
21		
22	Monthly Maintenance Charge	\$ 2.95
		\$ 18.68

Tampa Electric Company
LED Rates - Cost Supported

**Wood, 30 ft
626**

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 115.53
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 77.81
4	Conduit	\$ -
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 19.43
6	Total Materials (Sum of Lines 1 through 5)	\$ 212.78
7		
8	Labor/Vehicle	
9	Installation	\$ 332.73
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 476.42
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 689.19
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 73.59
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 6.13
21		
22	Monthly Maintenance Charge	\$0.33
		\$ 6.46

Tampa Electric Company
LED Rates - Cost Supported

**Wood, 35 ft
627**

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 204.56
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 95.07
4	Conduit	\$ -
5	Materials Handling (Lines1-4 x 10.05%)	\$ 30.11
6	Total Materials (Sum of Lines 1 through 5)	\$ 329.75
7		
8	Labor/Vehicle	
9	Installation	\$ 370.58
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 514.27
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 844.02
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 90.12
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 7.51
21		
22	Monthly Maintenance Charge	\$0.33
		\$ 7.84

Tampa Electric Company
LED Rates - Cost Supported

Standard, 35 ft, Concrete
637

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ 824.02
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 204.05
4	Conduit	\$ -
5	Materials Handling (Lines1-4 x 10.05%)	\$ 103.31
6	Total Materials (Sum of Lines 1 through 5)	\$ 1,131.39
7		
8	<u>Labor/Vehicle</u>	
9	Installation	\$ 359.36
10	Engineering	\$ 143.69
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 503.06
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 1,634.45
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 174.52
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 14.54
21		
22	Monthly Maintenance Charge	\$0.33
		\$ 14.87

Tampa Electric Company
LED Rates - Cost Supported

Wood, Existing Pole
641

<u>Line</u>	<u>Material</u>	<u>Cost</u>
1	Pole	\$ -
2	Foundation/Base	\$ -
3	Cable, Hardware, Grounding	\$ 275.05
4	Conduit	\$ 173.02
5	Materials Handling (Lines 1-4 x 10.05%)	\$ 45.03
6	Total Materials (Sum of Lines 1 through 5)	\$ 493.10
7		
8	Labor/Vehicle	
9	Installation	\$ 270.02
10	Engineering	\$ -
11	Total Labor/Vehicle (Line 9 + Line 10)	\$ 270.02
12		
13		
14	Total Installed Cost (Line 6 + Line 11)	\$ 763.12
15		
16	Fixed Charge Rate	10.68%
17		
18	Yearly Facilities Charge (Line 14 x Line 16)	\$ 81.48
19		
20	Monthly Facilities Charge (Line 18 / 12 months)	\$ 6.79
21		
22	Monthly Maintenance Charge	\$ 0.96
		\$ 7.75

*Assume 100% PC controlled.

Rate Code	Description		Luminaire Failure	Lamp Failure	Luminaire Parts Failure	NLC Failure	NLC Infrastructure Op	Relay Failure*	Average Annual Cost	Total Monthly Charge
912	LED, 27W WATCH LIGHT		\$12.24			\$3.63	\$1.82		\$17.69	\$1.48
914	LED, 47W AUTOBAHN/ AUTOBAHN MICRO		\$13.62			\$3.63	\$1.82		\$19.07	\$1.59
921	LED, 84W EVOLVE		\$14.35			\$3.63	\$1.82		\$19.81	\$1.66
926	LED, 105W AUTOBAHN		\$17.58			\$3.63	\$1.82		\$23.03	\$1.92
932	LED, 133W AUTOBAHN		\$18.83			\$3.63	\$1.82		\$24.28	\$2.03
935	LED, 143W USSL EATON		\$20.13			\$3.63	\$1.82		\$25.58	\$2.14
937	LED, 145W AUTOBAHN		\$16.99			\$3.63	\$1.82		\$22.44	\$1.88
941	LED, 182W ARCHEON/VERDEON		\$18.72			\$3.63	\$1.82		\$24.18	\$2.02
945	LED, 247W VERDEON		\$19.89			\$3.63	\$1.82		\$25.34	\$2.12
947	LED, 330W EVOLVE/ 327W/ 305W		\$35.32			\$3.63	\$1.82		\$40.77	\$3.40
951	LED, 199W ACP FLOOD 6X6		\$27.65			\$3.63	\$1.82		\$33.10	\$2.76
953	LED, 252W FLOOD, 6X6		\$31.96			\$3.63	\$1.82		\$37.41	\$3.12
956	LED, 225W GALLEON		\$29.57			\$3.63	\$1.82		\$35.02	\$2.92
958	LED, 333W GALLEON		\$34.75			\$3.63	\$1.82		\$40.21	\$3.36
965	LED 26W GRNVIL PT/ 30W LEXINGTON PT		\$7.91			\$3.76	\$1.82		\$13.49	\$1.13
967	LED 39W ENH GRNVL PT / 37W		\$11.71			\$3.76	\$1.82		\$17.30	\$1.45
968	LED 39W ENH GRNVL PT/ 37W		\$14.04			\$3.76	\$1.82		\$19.62	\$1.64
971	LED, 55W UTILITY PT		\$13.54			\$3.76	\$1.82		\$19.12	\$1.60
972	LED 60W GRNVIL PT/ 57W		\$12.61			\$3.76	\$1.82		\$18.19	\$1.52
973	LED 60W ENH GRNVL PT/ 57W		\$13.80			\$3.76	\$1.82		\$19.38	\$1.62
975	LED, 76W UTILITY PT		\$14.22			\$3.76	\$1.82		\$19.81	\$1.66

No Lamp Failure or Light Square Failure Included for LED
 No Parts Failure Included for LED

Rate Code	Description	Luminaire	Network Lighting Controller		Avg Material Cost	Material Handling	Labor & Vehicle	Total Activity Cost*	Frequency**	Annual Cost
912	LED, 27W WATCH LIGHT	\$104.84	\$105.91		\$210.75	\$21.18	\$ 102.72	\$299.70	4.08%	\$12.24
914	LED, 47W AUTOBAHN/ AUTOBAHN MICRO	\$148.73	\$105.91		\$254.64	\$25.59	\$ 102.72	\$333.37	4.08%	\$13.62
921	LED, 84W EVOLVE	\$172.24	\$105.91		\$278.15	\$27.95	\$ 102.72	\$351.41	4.08%	\$14.35
926	LED, 105W AUTOBAHN	\$275.24	\$105.91		\$381.15	\$38.30	\$ 102.72	\$430.43	4.08%	\$17.58
932	LED, 133W AUTOBAHN	\$315.01	\$105.91		\$420.92	\$42.30	\$ 102.72	\$460.94	4.08%	\$18.83
935	LED, 143W USSL EATON	\$356.48	\$105.91		\$462.39	\$46.47	\$ 102.72	\$492.75	4.08%	\$20.13
937	LED, 145W AUTOBAHN	\$256.43	\$105.91		\$362.34	\$36.41	\$ 102.72	\$416.00	4.08%	\$16.99
941	LED, 182W ARCHEON/VERDEON	\$311.68	\$105.91		\$417.59	\$41.96	\$ 102.72	\$458.38	4.08%	\$18.72
945	LED, 247W VERDEON	\$348.76	\$105.91		\$454.67	\$45.69	\$ 102.72	\$486.83	4.08%	\$19.89
947	LED, 330W EVOLVE/ 327W/ 305W	\$841.11	\$105.91		\$947.02	\$95.17	\$ 102.72	\$864.54	4.08%	\$35.32
951	LED, 199W ACP FLOOD 6X6	\$596.52	\$105.91		\$702.43	\$70.59	\$ 102.72	\$676.90	4.08%	\$27.65
953	LED, 252W FLOOD, 6X6	\$734.15	\$105.91		\$840.06	\$84.42	\$ 102.72	\$782.48	4.08%	\$31.96
956	LED, 225W GALLEON	\$657.85	\$105.91		\$763.76	\$76.75	\$ 102.72	\$723.95	4.08%	\$29.57
958	LED, 333W GALLEON	\$823.21	\$105.91		\$929.12	\$93.37	\$ 102.72	\$850.81	4.08%	\$34.75
965	LED 28W GRNVIL PT/ 30W LEXINGTON PT	\$339.16	\$105.91		\$445.07	\$44.73	\$ 102.72	\$479.46	1.65%	\$7.91
967	LED 39W ENH GRNVL PT / 37W	\$639.32	\$105.91		\$745.23	\$74.89	\$ 102.72	\$709.73	1.65%	\$11.71
968	LED 39W ENH GRNVL PT/ 37W	\$823.08	\$105.91		\$928.99	\$93.36	\$ 102.72	\$850.71	1.65%	\$14.04
971	LED, 55W UTILITY PT	\$783.39	\$105.91		\$889.30	\$89.37	\$ 102.72	\$820.26	1.65%	\$13.54
972	LED 60W GRNVIL PT/ 57W	\$709.99	\$105.91		\$815.90	\$81.99	\$ 102.72	\$763.95	1.65%	\$12.61
973	LED 60W ENH GRNVL PT/ 57W	\$804.01	\$105.91		\$909.92	\$91.44	\$ 102.72	\$836.08	1.65%	\$13.80
975	LED, 76W UTILITY PT	\$837.60	\$105.91		\$943.51	\$94.82	\$ 102.72	\$861.85	1.65%	\$14.22

*Total Activity Cost Includes 2/3 Fixture cost because assume fixture is under warranty for 5 year and fixture life of 15 years, includes 100% Smart Controller cost, and includes Material Handling charge for 100% both Fixture and PC. Includes 100% Smart Controller cost, and Includes Material Handling charge for 100% both Fixture and PC.
** Frequency based on L17 maintenance 2018-2020 + all HID tickets

Working Conversion Rate	Description				Avg Material Cost	Material Handling	Labor & Vehicle	Total Activity Cost	Frequency**	Annual Cost
912	LED, 27W WATCH LIGHT				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
914	LED, 47W AUTOBAHN/ AUTOBAHN MICRO				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
921	LED, 84W EVOLVE				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
926	LED, 105W AUTOBAHN				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
932	LED, 133W AUTOBAHN				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
935	LED, 143W USSL EATON				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
937	LED, 145W AUTOBAHN				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
941	LED, 182W ARCHEON/VERDEON				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
945	LED, 247W VERDEON				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
947	LED, 330W EVOLVE/ 327W/ 305W				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
951	LED, 199W ACP FLOOD 6X6				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
953	LED, 252W FLOOD, 6X6				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
956	LED, 225W GALLEON				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
958	LED, 333W GALLEON				\$105.91	\$10.64	\$ 63.54	\$180.09	2.02%	\$3.63
965	LED 26W GRNVIL PT/ 30W LEXINGTON PT				\$105.91	\$10.64	\$ 70.00	\$186.55	2.02%	\$3.76
967	LED 39W ENH GRNVL PT / 37W				\$105.91	\$10.64	\$ 70.00	\$186.55	2.02%	\$3.76
968	LED 39W ENH GRNVL PT/ 37W				\$105.91	\$10.64	\$ 70.00	\$186.55	2.02%	\$3.76
971	LED, 55W UTILITY PT				\$105.91	\$10.64	\$ 70.00	\$186.55	2.02%	\$3.76
972	LED 60W GRNVIL PT/ 57W				\$105.91	\$10.64	\$ 70.00	\$186.55	2.02%	\$3.76
973	LED 60W ENH GRNVL PT/ 57W				\$105.91	\$10.64	\$ 70.00	\$186.55	2.02%	\$3.76
975	LED, 76W UTILITY PT				\$105.91	\$10.64	\$ 70.00	\$186.55	2.02%	\$3.76

*Assume 100% PC controlled.

** Frequency based on overall System Average Frequency - adjusted for UV failure impact

Working Conversion Rate	Description			RF	IT	Security	Operations	CGR Cell Fees	Total Activity Cost	Frequency**	Annual Cost
912	LED, 27W WATCH LIGHT			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
914	LED, 47W AUTOBAHN/ AUTOBAHN MICRO			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
921	LED, 84W EVOLVE			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
926	LED, 105W AUTOBAHN			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
932	LED, 133W AUTOBAHN			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
935	LED, 143W USSL EATON			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
937	LED, 145W AUTOBAHN			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
941	LED, 182W ARCHEON/VERDEON			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
945	LED, 247W VERDEON			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
947	LED, 330W EVOLVE/ 327W/ 305W			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
951	LED, 199W ACP FLOOD 6X6			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
953	LED, 252W FLOOD, 6X6			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
956	LED, 225W GALLEON			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
958	LED, 333W GALLEON			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
965	LED 26W GRNVIL PT/ 30W LEXINGTON PT			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
967	LED 39W ENH GRNVL PT / 37W			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
968	LED 39W ENH GRNVL PT/ 37W			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
971	LED, 55W UTILITY PT			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
972	LED 60W GRNVIL PT/ 57W			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
973	LED 60W ENH GRNVL PT/ 57W			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82
975	LED, 76W UTILITY PT			\$0.64	\$0.43	\$0.32	\$0.21	\$ 0.22	\$1.82	100.00%	\$1.82

*Assume 100% PC controlled.

** Frequency based on overall System Average Frequency - adjusted for UV failure impact

Misc Equipment Failure

Rate	Equipment					Avg Material Cost	Material Handling	Labor & Vehicle	Total Activity Cost	Frequency	Annual Cost
563	Timer					\$ 389.27	\$16.99	\$ 169.06	\$575.32	0.06%	\$0.35
569	Double Bracket					\$ 530.68	\$53.33	\$ 98.42	\$682.43	0.13%	\$0.86

Maintenance Cost Summary

Rate	Pole	Pole Replacement	OH Cable Failures/ Parts	UG Cable Failures/ Parts	Paint Poles	Average Annual Cost*	Total Monthly Charge
422	Aluminum, 10 ft, DB	\$1.94		\$10.72	\$23.89	\$34.61	\$2.88
425	Wood (Inaccessible), 30 ft	\$1.77	\$3.96			\$3.96	\$0.33
523	Round, 23 ft, DB Concrete	\$5.84		\$11.49		\$11.49	\$0.96
525	Franklin Composite, PT, DB Composite	\$4.41		\$11.49	\$23.89	\$35.38	\$2.95
580	Heritage, PT, DB Aluminum	\$2.60		\$11.49	\$23.89	\$35.38	\$2.95
581	Capitol, PT, DB Aluminum	\$5.54		\$11.49	\$23.89	\$35.38	\$2.95
582	Winston, PT, DB Fiber	\$2.18		\$11.49	\$23.89	\$35.38	\$2.95
583	Waterford, PT, DB Concrete	\$6.46		\$11.49		\$11.49	\$0.96
584	Aluminum, PT, DB	\$2.97		\$11.49	\$23.89	\$35.38	\$2.95
585	Charleston Banner, PT, DB Aluminum	\$5.54		\$11.49	\$23.89	\$35.38	\$2.95
586	Charleston, PT, DB Aluminum	\$3.64		\$11.49	\$23.89	\$35.38	\$2.95
587	Riviera, PT, DB Aluminum	\$1.64		\$11.49	\$23.89	\$35.38	\$2.95
588	Standard, 35 ft, DB Concrete	\$3.99		\$11.49		\$11.49	\$0.96
589	Steel, 30 ft, AB	\$5.85		\$11.49	\$51.93	\$63.43	\$5.29
590	Charleston HD, PT, DB Aluminum	\$3.15		\$11.49	\$23.89	\$35.38	\$2.95
591	Tall Waterford, 35 ft, DB Concrete	\$9.58		\$11.49		\$11.49	\$0.96
592	Victorian, PT, DB Concrete	\$7.37		\$11.49		\$11.49	\$0.96
593	Winston, PT, DB Aluminum	\$2.94		\$11.49	\$23.89	\$35.38	\$2.95
594	Standard, 40/45 ft, Concrete	\$5.96	\$3.96			\$3.96	\$0.33
595	Standard, 25/30 ft, DB Concrete	\$2.60		\$11.49		\$11.49	\$0.96
596	Standard, 45 ft, DB Concrete	\$5.92		\$11.49		\$11.49	\$0.96
597	Wood, 40/45 ft	\$2.60	\$3.96			\$3.96	\$0.33
599	Standard, 16 ft, DB Concrete	\$2.74		\$11.49		\$11.49	\$0.96
607	Std, >100ftspan, 35 ft, DB Conc	\$3.99		\$11.49		\$11.49	\$0.96
612	Std, 100-150ftspan, 35 ft, DB Conc	\$3.98		\$11.49		\$11.49	\$0.96
614	Std, >150ftspan, 35 ft, DB Conc	\$3.98		\$11.49		\$11.49	\$0.96
615	Aluminum, 28 ft, DB	\$3.86		\$11.49	\$51.93	\$63.43	\$5.29
616	Aluminum, 27 ft, DB	\$7.15		\$11.49	\$51.93	\$63.43	\$5.29
622	Aluminum, 37 ft, DB	\$7.50		\$11.49	\$51.93	\$63.43	\$5.29
623	Waterside, 38 ft, DB Aluminum	\$7.40		\$11.49	\$51.93	\$63.43	\$5.29
624	Fiber, PT, DB	\$2.24		\$11.49	\$23.89	\$35.38	\$2.95
626	Wood, 30 ft	\$1.77	\$3.96			\$3.96	\$0.33
627	Wood, 35 ft	\$2.05	\$3.96			\$3.96	\$0.33
637	Standard, 35 ft, Concrete	\$3.99	\$3.96			\$3.96	\$0.33
641	Wood, Existing Pole	\$1.41		\$11.49		\$11.49	\$0.96

* DNI Pole Replacement bc is a Capital Cost not Maintenance/O&M

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Pole Replacement

Rate	Pole	Avg Material Cost	Material Handling	Labor & Vehicle	Total Activity Cost	Frequency	Annual Cost
422	Aluminum, 10 ft, DB	\$94.06	\$9.45	\$ 579.50	\$683.02	0.28%	\$1.94
425	Wood (Inaccessible), 30 ft	\$114.79	\$11.54	\$ 498.25	\$624.57	0.28%	\$1.77
523	Round, 23 ft, DB Concrete	\$1,417.15	\$142.41	\$ 498.25	\$2,057.81	0.28%	\$5.84
525	Franklin Composite, PT, DB Composite	\$886.76	\$89.11	\$ 579.50	\$1,555.37	0.28%	\$4.41
580	Heritage, PT, DB Aluminum	\$306.21	\$30.77	\$ 579.50	\$916.49	0.28%	\$2.60
581	Capitol, PT, DB Aluminum	\$1,249.43	\$125.56	\$ 579.50	\$1,954.49	0.28%	\$5.54
582	Winston, PT, DB Fiber	\$172.04	\$17.29	\$ 579.50	\$768.83	0.28%	\$2.18
583	Waterford, PT, DB Concrete	\$1,543.37	\$155.10	\$ 579.50	\$2,277.97	0.28%	\$6.46
584	Aluminum, PT, DB	\$423.75	\$42.58	\$ 579.50	\$1,045.84	0.28%	\$2.97
585	Charleston Banner, PT, DB Aluminum	\$1,249.43	\$125.56	\$ 579.50	\$1,954.49	0.28%	\$5.54
586	Charleston, PT, DB Aluminum	\$640.19	\$64.33	\$ 579.50	\$1,284.03	0.28%	\$3.64
587	Riviera, PT, DB Aluminum	\$0.00	\$0.00	\$ 579.50	\$579.50	0.28%	\$1.64
588	Standard, 35 ft, DB Concrete	\$824.02	\$82.81	\$ 498.25	\$1,405.08	0.28%	\$3.99
589	Steel, 30 ft, AB	\$1,422.46	\$142.95	\$ 498.25	\$2,063.66	0.28%	\$5.85
590	Charleston HD, PT, DB Aluminum	\$481.38	\$48.38	\$ 579.50	\$1,109.26	0.28%	\$3.15
591	Tall Waterford, 35 ft, DB Concrete	\$2,615.03	\$262.79	\$ 498.25	\$3,376.07	0.28%	\$9.58
592	Victorian, PT, DB Concrete	\$1,834.57	\$184.36	\$ 579.50	\$2,598.43	0.28%	\$7.37
593	Winston, PT, DB Aluminum	\$415.76	\$41.78	\$ 579.50	\$1,037.05	0.28%	\$2.94
594	Standard, 40/45 ft, Concrete	\$1,455.70	\$146.29	\$ 498.25	\$2,100.23	0.28%	\$5.96
595	Standard, 25/30 ft, DB Concrete	\$379.76	\$38.16	\$ 498.25	\$916.17	0.28%	\$2.60
596	Standard, 45 ft, DB Concrete	\$1,445.38	\$145.25	\$ 498.25	\$2,088.88	0.28%	\$5.92
597	Wood, 40/45 ft	\$379.78	\$38.17	\$ 498.25	\$916.20	0.28%	\$2.60
599	Standard, 16 ft, DB Concrete	\$423.75	\$42.58	\$ 498.25	\$964.58	0.28%	\$2.74
607	Std, >100ftspan, 35 ft, DB Conc	\$824.02	\$82.81	\$ 498.25	\$1,405.08	0.28%	\$3.99
612	Std, 100-150ftspan, 35 ft, DB Conc	\$823.40	\$82.75	\$ 498.25	\$1,404.40	0.28%	\$3.98
614	Std, >150ftspan, 35 ft, DB Conc	\$823.16	\$82.72	\$ 498.25	\$1,404.13	0.28%	\$3.98
615	Aluminum, 28 ft, DB	\$783.50	\$78.74	\$ 498.25	\$1,360.49	0.28%	\$3.86
616	Aluminum, 27 ft, DB	\$1,836.79	\$184.58	\$ 498.25	\$2,519.62	0.28%	\$7.15
622	Aluminum, 37 ft, DB	\$1,949.72	\$195.93	\$ 498.25	\$2,643.90	0.28%	\$7.50
623	Waterside, 38 ft, DB Aluminum	\$1,918.33	\$192.78	\$ 498.25	\$2,609.35	0.28%	\$7.40
624	Fiber, PT, DB	\$191.53	\$19.25	\$ 579.50	\$790.28	0.28%	\$2.24
626	Wood, 30 ft	\$115.53	\$11.61	\$ 498.25	\$625.39	0.28%	\$1.77
627	Wood, 35 ft	\$204.56	\$20.56	\$ 498.25	\$723.37	0.28%	\$2.05
637	Standard, 35 ft, Concrete	\$824.02	\$82.81	\$ 498.25	\$1,405.08	0.28%	\$3.99
641	Wood, Existing Pole	\$0.00	\$0.00	\$ 498.25	\$498.25	0.28%	\$1.41

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OH Cable Failure/Parts

Rate	Pole	Avg Material Cost	Material Handling	Labor & Vehicle	Total Activity Cost	Frequency	Annual Cost	
422	Aluminum, 10 ft, DB						\$0.00	UG
425	Wood (Inaccessible), 30 ft	\$82.25	\$8.27	\$ 175.55	\$266.07	1.49%	\$3.96	UG
523	Round, 23 ft, DB Concrete						\$0.00	UG
525	Franklin Composite, PT, DB Composite						\$0.00	UG
580	Heritage, PT, DB Aluminum						\$0.00	UG
581	Capitol, PT, DB Aluminum						\$0.00	UG
582	Winston, PT, DB Fiber						\$0.00	UG
583	Waterford, PT, DB Concrete						\$0.00	UG
584	Aluminum, PT, DB						\$0.00	UG
585	Charleston Banner, PT, DB Aluminum						\$0.00	UG
586	Charleston, PT, DB Aluminum						\$0.00	UG
587	Riviera, PT, DB Aluminum						\$0.00	UG
588	Standard, 35 ft, DB Concrete						\$0.00	UG
589	Steel, 30 ft, AB						\$0.00	UG
590	Charleston HD, PT, DB Aluminum						\$0.00	UG
591	Tall Waterford, 35 ft, DB Concrete						\$0.00	UG
592	Victorian, PT, DB Concrete						\$0.00	UG
593	Winston, PT, DB Aluminum						\$0.00	UG
594	Standard, 40/45 ft, Concrete	\$82.25	\$8.27	\$ 175.55	\$266.07	1.49%	\$3.96	UG
595	Standard, 25/30 ft, DB Concrete						\$0.00	UG
596	Standard, 45 ft, DB Concrete						\$0.00	UG
597	Wood, 40/45 ft	\$82.25	\$8.27	\$ 175.55	\$266.07	1.49%	\$3.96	UG
599	Standard, 16 ft, DB Concrete						\$0.00	UG
607	Std, >100ftspan, 35 ft, DB Conc						\$0.00	UG
612	Std, 100-150ftspan, 35 ft, DB Conc						\$0.00	UG
614	Std, >150ftspan, 35 ft, DB Conc						\$0.00	UG
615	Aluminum, 28 ft, DB						\$0.00	UG
616	Aluminum, 27 ft, DB						\$0.00	UG
622	Aluminum, 37 ft, DB						\$0.00	UG
623	Waterside, 38 ft, DB Aluminum						\$0.00	UG
624	Fiber, PT, DB						\$0.00	UG
626	Wood, 30 ft	\$82.25	\$8.27	\$ 175.55	\$266.07	1.49%	\$3.96	UG
627	Wood, 35 ft	\$82.25	\$8.27	\$ 175.55	\$266.07	1.49%	\$3.96	UG
637	Standard, 35 ft, Concrete	\$82.25	\$8.27	\$ 175.55	\$266.07	1.49%	\$3.96	UG
641	Wood, Existing Pole						\$0.00	UG

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Paint Pole

Rate	Pole	Avg Material Cost	Material Handling	Labor & Vehicle	Total Activity Cost	Frequency	Annual Cost
422	Aluminum, 10 ft, DB	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
425	Wood (Inaccessible), 30 ft					0.0%	\$0.00
523	Round, 23 ft, DB Concrete					0.0%	\$0.00
525	Franklin Composite, PT, DB Composite	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
580	Heritage, PT, DB Aluminum	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
581	Capitol, PT, DB Aluminum	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
582	Winston, PT, DB Fiber	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
583	Waterford, PT, DB Concrete					0.0%	\$0.00
584	Aluminum, PT, DB	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
585	Charleston Banner, PT, DB Aluminum	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
586	Charleston, PT, DB Aluminum	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
587	Riviera, PT, DB Aluminum	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
588	Standard, 35 ft, DB Concrete					0.0%	\$0.00
589	Steel, 30 ft, AB	\$228.91	\$23.00	\$ 267.40	\$519.32	10.0%	\$51.93
590	Charleston HD, PT, DB Aluminum	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
591	Tall Waterford, 35 ft, DB Concrete					0.0%	\$0.00
592	Victorian, PT, DB Concrete					0.0%	\$0.00
593	Winston, PT, DB Aluminum	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
594	Standard, 40/45 ft, Concrete					0.0%	\$0.00
595	Standard, 25/30 ft, DB Concrete					0.0%	\$0.00
596	Standard, 45 ft, DB Concrete					0.0%	\$0.00
597	Wood, 40/45 ft					0.0%	\$0.00
599	Standard, 16 ft, DB Concrete					0.0%	\$0.00
607	Std, >100ftspan, 35 ft, DB Conc					0.0%	\$0.00
612	Std, 100-150ftspan, 35 ft, DB Conc					0.0%	\$0.00
614	Std, >150ftspan, 35 ft, DB Conc					0.0%	\$0.00
615	Aluminum, 28 ft, DB	\$228.91	\$23.00	\$ 267.40	\$519.32	10.0%	\$51.93
616	Aluminum, 27 ft, DB	\$228.91	\$23.00	\$ 267.40	\$519.32	10.0%	\$51.93
622	Aluminum, 37 ft, DB	\$228.91	\$23.00	\$ 267.40	\$519.32	10.0%	\$51.93
623	Waterside, 38 ft, DB Aluminum	\$228.91	\$23.00	\$ 267.40	\$519.32	10.0%	\$51.93
624	Fiber, PT, DB	\$114.46	\$11.50	\$ 112.94	\$238.90	10.0%	\$23.89
626	Wood, 30 ft					0.0%	\$0.00
627	Wood, 35 ft					0.0%	\$0.00
637	Standard, 35 ft, Concrete					0.0%	\$0.00
641	Wood, Existing Pole					0.0%	\$0.00

Joint AL and Steel poles