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November 12, 2021

## VIA: ELECTRONIC FILING

Mr. Adam J. Teitzman

Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
Re: Amended Petition of Tampa Electric Company for Approval of Revised Underground Residential Distribution Tariff FPSC Dkt. No. 20210164-EI

Dear Mr. Teitzman:
Attached for filing in the above-styled matter is Tampa Electric Company's Amended Petition for Approval of Revised Tariffs for Underground Residential Distribution.

Thank you for your assistance in connection with this matter.
Sincerely,


Malcolm N. Means

MNM:bmp
Attachment
cc: All parties of record

## CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Amended Petition of Tampa Electric Company for Approval of Revised Underground Residential Distribution Tariff, has been furnished by electronic mail on this 12th day of November 2021 to the following:

Shaw Stiller
Attorney
Office of General Counsel
Florida Public Service Commission
Room 390L - Gerald L. Gunter Building
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
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Therom n. Thears
ATTORNEY

# BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION 

In re: Petition of Tampa Electric Company ) for Approval of Revised Underground ) Residential Distribution Tariff )
$\qquad$

DOCKET NO. 20210064
FILED: November 12, 2021

AMENDED PETITION OF
TAMPA ELECTRIC COMPANY
In accordance with Commission Rule 28-6.078(2), Florida Administrative Code ("F.A.C."), Tampa Electric Company ("Tampa Electric" or "the company") files this Amended Petition for Approval of Revised Tariffs for Underground Residential Distribution. The revised tariff sheets containing updated Underground Residential Distribution ("URD") charges that reflect the cost differential between overhead ("OH") and underground ("UG") distribution service are attached hereto in standard and legislative formats as Exhibits "A" and "B", respectively. Form PSC/EAG 13, Overhead/Underground Residential Differential Cost Data, and supporting data and analyses for the proposed URD charges are provided in Exhibit "C". In support thereof, the company says:

1. The name, address, telephone number and facsimile number of the petitioner are:

> Tampa Electric Company
> Post Office Box 111
> Tampa, FL 33601
> (813) 228-4111
> (813) 228-1770 (fax)
2. Tampa Electric is an investor-owned public utility subject to the jurisdiction of the Commission under Chapter 366, Florida Statutes.
3. All notices, pleadings and correspondence required to be served on the Petitioner should be directed to:

> James D. Beasley
> J. Jeffry Wahlen
> Malcolm N. Means
> Ausley \& McMullen
> Post Office Box 391
> Tallahassee, FL 32302
> (850) 224-9115
> (850) 222-7960 (fax)
> jbeasley@ausley.com (email)
> jwahlen@ausley.com (email)
> mmeans@,ausley.com (email)

Paula Brown, Manager
Regulatory Coordination
Tampa Electric Company
Post Office Box 111
Tampa, FL 33602
(813) 228-1444
(813) 228-1770 (fax)
regdept@tecoenergy.com (email)

## Background

4. On April 2, 2018, Tampa Electric Company filed a petition for approval of revised tariffs for underground residential distribution. See Docket No. 20180086. The Commission approved this petition in Order Nos. PSC-2018-0319-TRF-EI and PSC-2018-0356-CO-EI, issued June 25, 2018 and July 23, 2018, respectively. These Orders approved a cost differential of $\$ 0.00$ for both high- and low-density subdivisions.
5. Pursuant to Rule 25-6.078(3), F.A.C., Tampa Electric filed an annual report containing Form PSC/EDR 13-E, Schedule 1, using current material and labor costs in October 2018, 2019, and 2020. These reports indicated that there were no changes in the differential costs since the company's filing in April of 2018.
6. Pursuant to Rule 25-6.078(3), F.A.C, a utility is required to file "a written policy and supporting data and analyses at least once every 3 years." Since the company's last filing was in April of 2018, Tampa Electric filed its initial Petition in this docket on April 1, 2021. Tampa Electric files this Amended Petition to remove its request in the initial Petition for a waiver of the high- and low-density subdivision URD charges calculated in the cost support provided in that initial Petition pursuant to Rule 25-6.078(10), F.A.C.
7. The proposed charges and credits contained in Revised Tariff Sheet Nos. 5.510, 5.515, and 5.516 attached to this Amended Petition are based on current labor and material costs from the twelve-month period prior to the April 2021 initial Petition and are prepared in accordance with the requirements of Rules 25-6.064, 25-6.078, and 25-6.115, F.A.C.
8. In preparing the proposed per lot charges in this Amended Petition, Tampa Electric moved from a calculation of the 3-year average based on actual storm costs to a long-term potential cost based on hurricane simulations. The estimated actual hurricane loss value used in this calculation is drawn from the testimony of Steven P. Harris in Docket No. 20210034-EI, Exhibit No. SPH-1, Document No. 1, Page 12 of 19, filed April 9, 2021. At this time, Tampa Electric anticipates utilizing this report, or a subsequently calculated report like it, in the company's next filing regarding proposed lot charges.

## Proposed "Per Lot" Charges for Low Density and High Density Subdivisions

9. Tampa Electric's proposed differential charge for Low-Density URD subdivision lots is $\$ 370.29$ per lot which is higher than the current charge of $\$ 0.00$ per lot. The company's proposed differential charge for High-Density URD subdivision lots is $\$ 0.00$ per lot which is the same as the current charge of $\$ 0.00$ per lot.

## Proposed Charges for UG Services from OH Distribution Sources

10. For new single-phase UG services from OH distribution sources, the proposed Fixed Charge, representing fixed labor and material costs that are not impacted by the variable service length, has decreased from $\$ 71.36$ to $\$ 18.46$ for $2 / 0$ UG service laterals and decreased from $\$ 106.53$ to $\$ 92.54$ for $4 / 0$ UG service laterals.
11. The proposed "Per Trench Foot" charges have increased from $\$ 10.02$ to $\$ 11.62$ per foot for $2 / 0$ cable and from $\$ 9.91$ to $\$ 12.18$ per foot for $4 / 0$ cable.
12. The proposed credit for avoiding a service pole has increased from $\$ 592.39$ to $\$ 801.36$. None of these proposed charges is changed from the initial petition.

## Proposed Charges for Conversion of Existing OH Services to UG

13. For converted single phase UG services, the proposed OH service removal charge has increased from $\$ 167.70$ to $\$ 205.08$ for service cable only and has increased from $\$ 752.94$ to $\$ 885.91$ when removal involves a service pole. None of these proposed charges is changed from the initial petition.
14. Tampa Electric is also proposing an updated non-refundable deposit charge for binding estimates conversion of existing OH distribution facilities to UG. Those charges, escalated by CPI over the three-year period, increase from $\$ 9,896$ to $\$ 10,391$ per mile for the urban density class, from $\$ 5,657$ to $\$ 5,940$ per mile for the rural density class, and $\$ 47$ to $\$ 49$ per lot for the per lot subdivisions class. None of these proposed charges is changed from the initial petition.
15. Tampa Electric knows of no disputed issues of material fact relative to the tariff revisions proposed herein.

WHEREFORE, Tampa Electric requests that this Commission consent to the above described revised tariff sheets as set forth in Exhibit "A" under the provisions of Section 366.03(3), Florida Statutes.

Dated this $12^{\text {th }}$ day of November, 2021.
Respectfully submitted,


JAMES D. BEASLEY
J. JEFFRY WAHLEN

MALCOLM N. MEANS
Ausley \& McMullen
Post Office Box 391
Tallahassee, FL 32302
(850) 224-9115

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

Exhibit "A"

### 3.6.5.1 Single Meter Commercial Service

Mobile Home Parks will be supplied single-meter commercial service only where park owner or operator supplies (furnishes) electrical service as a part of his rental and/or general service charge to tenants. Resale of electric energy through park owned meters will not be permitted (See 2.2.1)

### 3.6.5.2 Individual Company Metered Service

Mobile Home Parks will be supplied through company installed individual meters for individual tenants and other types of service required in park under the provisions required on 3.4.3 and 3.4.4 and the subparts appertaining thereto.

### 3.6.6 Miscellaneous Types of Electric Service

Certain other types of electric service are available from the company. Information on such services not specifically covered in this Tariff may be obtained at the nearest company office. Such special cases will be given individual consideration.

### 3.7 SCHEDULE OF STANDARD CHARGES AND NON-REFUNDABLE DEPOSITS FOR COST ESTIMATES FOR UNDERGROUND ELECTRIC DISTRIBUTION SYSTEMS

### 3.7.1 Standard Charges

The Standard Charges listed here are Contributions In Aid of Construction (CIAC) which are referenced by other sections of these rules and regulations.

### 3.7.1.1 Residential Subdivision <br> Low Density Subdivisions per service lateral or dwelling unit... <br> High Density Subdivisions per service lateral or dwelling unit... <br> 3.7.1.2 New Single-phase UG Service Laterals from Overhead Distribution Systems

 $\$ 370.29$$\$ 0.00$

Fixed Charge for 2/0 service lateral \$18.46
Fixed Charge for $4 / 0$ service lateral \$92.54

Per trench foot charge for $2 / 0$ service lateral $\$ 11.62$
Per trench foot charge for $4 / 0$ service lateral $\$ 12.18$
Credit for service pole if otherwise required for overhead service
$\$ 801.36$

Continued to Sheet No. 5.515

Continued from Sheet No. 5.510

### 3.7.1.3 Single-phase UG Service Laterals Converted from Existing Overhead Service Drops

Removal charge for overhead service with no service pole
Removal charge for overhead service with a service pole

Fixed Charge for $2 / 0$ service lateral
\$ 18.46
Fixed Charge for $4 / 0$ service lateral
\$ 92.54
Per trench foot charge for $2 / 0$ service lateral
\$ 11.62
Per trench foot charge for $4 / 0$ service lateral
\$ 12.18
Credit for service pole if otherwise required for overhead service
$\$ 801.36$

Continued to Sheet No. 5.516

### 3.7.2 Non-refundable Deposits for Estimates of CIAC for Conversion of Existing Overhead Distribution Facilities to Underground Facilities

Qualified applicants can request, upon payment of a non-refundable deposit as listed below, the conversion of overhead distribution facilities to underground in accordance with these Rules and Regulations for conversion areas of not less than one (1) city block in length along both sides of the main distribution system, or in the absence of city blocks, not less than five (5) contiguous building lots along both sides of the main distribution system, or in the absence of both, not the less than 600 pole-feet of the main distribution system, including all customers served along both sides of the main distribution system, and so as to result in a decrease in the number of non-lighting poles in the system.

Requests for conversions, except for individual residential service covered under Section 3.4.3.3, will be accompanied by a non-refundable amount as follows:

## Density Class

Urban Commercial or Residential
Rural Commercial or Residential
High or Low Density Subdivision

Deposit Amount
\$10,391per mile* $\$ 5,940$ per mile* \$ 49 per lot

* As measured along the existing overhead primary and secondary distribution system.


## Exhibit "B"

### 3.6.5.1 Single Meter Commercial Service

Mobile Home Parks will be supplied single-meter commercial service only where park owner or operator supplies (furnishes) electrical service as a part of his rental and/or general service charge to tenants. Resale of electric energy through park owned meters will not be permitted (See 2.2.1)

### 3.6.5.2 Individual Company Metered Service

Mobile Home Parks will be supplied through company installed individual meters for individual tenants and other types of service required in park under the provisions required on 3.4.3 and 3.4.4 and the subparts appertaining thereto.

### 3.6.6 Miscellaneous Types of Electric Service

Certain other types of electric service are available from the company. Information on such services not specifically covered in this Tariff may be obtained at the nearest company office. Such special cases will be given individual consideration.

### 3.7 SCHEDULE OF STANDARD CHARGES AND NON-REFUNDABLE DEPOSITS FOR COST ESTIMATES FOR UNDERGROUND ELECTRIC DISTRIBUTION SYSTEMS

### 3.7.1 Standard Charges

The Standard Charges listed here are Contributions In Aid of Construction (CIAC) which are referenced by other sections of these rules and regulations.

### 3.7.1.1 Residential Subdivision

Low Density Subdivisions per service lateral or dwelling unit...
High Density Subdivisions per service lateral or dwelling unit...
$\$ 0370.29 .00$
$\$ 0.00$

### 3.7.1.2 New Single-phase UG Service Laterals from Overhead Distribution Systems

Fixed Charge for $2 / 0$ service lateral
$\$ 18.4671 .36$
Fixed Charge for 4/0 service lateral
$\$ \underline{92.54106 .53}$
Per trench foot charge for $2 / 0$ service lateral
\$11.6210.02
\$12.189.91
Credit for service pole if otherwise required for overhead service
$\$ 801.36592 .39$

TENTH ELEVENTH REVISED SHEET NO. 5.510

Continued to Sheet No. 5.515

Continued from Sheet No. 5.510

### 3.7.1.3 Single-phase UG Service Laterals Converted from Existing Overhead Service Drops

Removal charge for overhead service with no service pole
$\$ \underline{205.08167 .70}$
Removal charge for overhead service with a service pole
$\$ 885.91752 .94$

Fixed Charge for $2 / 0$ service lateral
$\$ 18.4671 .36$
Fixed Charge for $4 / 0$ service lateral
Per trench foot charge for $2 / 0$ service lateral
$\$ 11.6210 .02$
Per trench foot charge for $4 / 0$ service lateral
Credit for service pole if otherwise required for overhead service $\$ \underline{801.36592 .39}$

### 3.7.2 Non-refundable Deposits for Estimates of CIAC for Conversion of Existing Overhead Distribution Facilities to Underground Facilities

Qualified applicants can request, upon payment of a non-refundable deposit as listed below, the conversion of overhead distribution facilities to underground in accordance with these Rules and Regulations for conversion areas of not less than one (1) city block in length along both sides of the main distribution system, or in the absence of city blocks, not less than five (5) contiguous building lots along both sides of the main distribution system, or in the absence of both, not the less than 600 pole-feet of the main distribution system, including all customers served along both sides of the main distribution system, and so as to result in a decrease in the number of non-lighting poles in the system.

Requests for conversions, except for individual residential service covered under Section 3.4.3.3, will be accompanied by a non-refundable amount as follows:

## Density Class

Urban Commercial or Residential.....................
Rural Commercial or Residential...................... High or Low Density Subdivision-....................

Deposit Amount
\$10,3919,896-per mile*
\$5,9405,657-per mile*
\$ $\quad 4947$ per lot

* As measured along the existing overhead primary and secondary distribution system.

Exhibit "C"

## OVERHEAD VS UNDERGROUND SUMMARY SHEET

Single Occupancy Low Density 210 Lot Subdivision
Cost per Lot

| ITEM | OVERHEAD | UNDERGROUND | DIFFERENTIAL |
| :---: | :---: | :---: | :---: |
| Labor | $\$ 719.59$ | $\$ 1,213.14$ | $\$ 493.55$ |
| Material | $\$ 708.94$ | $\$ 1,227.97$ | $\$ 519.03$ |
| TOTAL | $\mathbf{\$ 1 , 4 2 8 . 5 3}$ | $\mathbf{\$ 2 , 4 4 1 . 1 1}$ | $\mathbf{\$ 1 , 0 1 2 . 5 8}$ |
| NPV Operational Cost Including <br> Storm Restoration and Lost Pole <br> Attachment Revenue | $\$ 1,896.66$ | $\$ 1,254.37$ | $-\$ 642.29$ |
| TOTAL <br> NPV Operational Cost | $\mathbf{\$ 3 , 3 2 5 . 1 9}$ | $\mathbf{\$ 3 , 6 9 5 . 4 8}$ | $\mathbf{\$ 3 7 0 . 2 9}$ |

## COST PER SERVICE LATERAL OVERHEAD MATERIAL AND LABOR

Single Occupancy Low Density 210 Lot Subdivision
Cost per Lot

| ITEM | MATERIAL | LABOR $^{1}$ | TOTAL |
| :---: | :---: | :---: | :---: |
| Service $^{2}$ | $\$ 134.88$ | $\$ 79.94$ | $\$ 214.82$ |
| Primary | $\$ 16.04$ | $\$ 47.12$ | $\$ 63.16$ |
| Secondary | $\$ 121.20$ | $\$ 160.21$ | $\$ 281.41$ |
| Initial Tree Trim | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| Poles | $\$ 150.71$ | $\$ 278.42$ | $\$ 429.13$ |
| Transformers | $\$ 208.91$ | $\$ 88.24$ | $\$ 297.15$ |
| Subtotal | $\$ 631.74$ | $\$ 653.93$ | $\$ 1,285.67$ |
| Stores Handling ${ }^{3}$ | $\$ 77.20$ | $\$ 0.00$ | $\$ 77.20$ |
| Subtotal | $\$ 708.94$ | $\$ 653.93$ | $\$ 1,362.87$ |
| Engineering |  | $\$ 65.66$ | $\$ 65.66$ |
| TOTAL | $\$ 708.94$ | $\$ 719.59$ | $\$ 1,428.53$ |

[^0]
## COST PER SERVICE LATERAL UNDERGROUND MATERIAL AND LABOR

Single Occupancy Low Density 210 Lot Subdivision
Cost per Lot

| ITEM | MATERIAL | LABOR $^{\mathbf{1}}$ | TOTAL |
| :---: | :---: | :---: | :---: |
| Service $^{2}$ | $\$ 331.03$ | $\$ 248.42$ | $\$ 579.45$ |
| Primary | $\$ 304.40$ | $\$ 109.34$ | $\$ 413.74$ |
| Secondary | $\$ 79.99$ | $\$ 64.92$ | $\$ 144.91$ |
| Transformers | $\$ 378.83$ | $\$ 86.18$ | $\$ 465.01$ |
| Pri. and Sec. Trenching | $\$ 0.00$ | $\$ 319.74$ | $\$ 319.74$ |
| Service Trenching | $\$ 0.00$ | $\$ 318.88$ | $\$ 318.88$ |
| Subtotal | $\$ 1,094.25$ | $\$ 1,147.48$ | $\$ 2,241.73$ |
| Stores Handling ${ }^{3}$ | $\$ 133.72$ | $\$ 0.00$ | $\$ 133.72$ |
| Subtotal | $\$ 1,227.97$ | $\$ 1,147.48$ | $\$ 2,375.45$ |
| Engineering |  | $\$ 65.66$ | $\$ 65.66$ |
| TOTAL | $\mathbf{\$ 1 , 2 2 7 . 9 7}$ | $\mathbf{\$ 1 , 2 1 3 . 1 4}$ | $\$ 2,441.11$ |

[^1]


Single Occupancy High Density 176 Lot Subdivision
Individually Metered
Cost per Lot

| ITEM | OVERHEAD | UNDERGROUND | DIFFERENTIAL |
| :---: | :---: | :---: | :---: |
| Labor | \$570.46 | \$1,015.10 | \$444.64 |
| Material | \$551.19 | \$866.33 | \$315.14 |
| TOTAL | \$1,121.65 | \$1,881.43 | \$759.78 |
| NPV Operational Cost Including Storm Restoration and Lost Pole Attachment Revenue | \$1,408.20 | \$583.66 | -\$824.54 |
| TOTAL <br> Including NPV Operational Cost | \$2,529.85 | \$2,465.09 | -\$64.76 |

## Single Occupancy High Density 176 Lot Subdivision Individually Metered <br> Cost per Lot

| ITEM | MATERIAL | LABOR $^{\mathbf{1}}$ | TOTAL |
| :---: | :---: | :---: | :---: |
| Service $^{2}$ | $\$ 142.24$ | $\$ 91.83$ | $\$ 234.07$ |
| Primary | $\$ 12.88$ | $\$ 35.17$ | $\$ 48.05$ |
| Secondary | $\$ 64.40$ | $\$ 106.36$ | $\$ 170.76$ |
| Initial Tree Trim |  |  | $\$ 0.00$ |
| Poles | $\$ 113.97$ | $\$ 205.55$ | $\$ 319.52$ |
| Transformers | $\$ 157.68$ | $\$ 70.27$ | $\$ 227.95$ |
| Subtotal | $\$ 491.17$ | $\$ 509.18$ | $\$ 1,000.35$ |
| Stores Handling ${ }^{3}$ | $\$ 60.02$ | $\$ 0.00$ | $\$ 60.02$ |
| Subtotal | $\$ 551.19$ | $\$ 509.18$ | $\$ 1,060.37$ |
| Engineering | $\$ 551.19$ | $\$ 61.28$ | $\$ 61.28$ |
| TOTAL |  | $\$ 1,121.65$ |  |

${ }^{1}$ Includes Administration, General, Energy Delivery Supervison, \& Transportation
2 Includes Meter
${ }^{3} 12.22 \%$ of all Material

COST PER SERVICE LATERAL UNDERGROUND MATERIAL AND LABOR

> Single Occupancy High Density 176 Lot Subdivision Individually Metered
> Cost per Lot

| ITEM | MATERIAL | LABOR $^{\mathbf{1}}$ | TOTAL |
| :---: | :---: | :---: | :---: |
| Service $^{2}$ | $\$ 288.33$ | $\$ 260.66$ | $\$ 548.99$ |
| Primary | $\$ 138.27$ | $\$ 61.14$ | $\$ 199.41$ |
| Secondary | $\$ 78.14$ | $\$ 70.32$ | $\$ 148.46$ |
| Transformers | $\$ 267.25$ | $\$ 68.77$ | $\$ 336.02$ |
| Pri. and Sec. Trenching |  | $\$ 175.02$ | $\$ 175.02$ |
| Service Trenching | $\$ 771.99$ | $\$ 953.82$ | $\$ 1,725.81$ |
| Subtotal | $\$ 94.34$ | $\$ 0.00$ | $\$ 94.34$ |
| Stores Handling ${ }^{3}$ | $\$ 866.33$ | $\$ 953.82$ | $\$ 1,820.15$ |
| Subtotal |  | $\$ 61.28$ | $\$ 61.28$ |
| Engineering | $\mathbf{\$ 8 6 6 . 3 3}$ | $\$ 1,015.10$ | $\$ \mathbf{1 , 8 8 1 . 4 3}$ |
| TOTAL |  |  | $\$ 317.91$ |

${ }^{1}$ Includes Administration, General, Energy Delivery Supervison, \& Transportation
2 Includes Meter
${ }^{3} 12.22 \%$ of all Material

Single Occupancy High Density 176 Lot Subdivision
Multi-Unit Meter Centers
Cost per Lot

| ITEM | OVERHEAD | UNDERGROUND | DIFFERENTIAL |
| :---: | :---: | :---: | :---: |
| Labor | NA | NA | NA |
| Material | NA | NA | NA |
| TOTAL | NA | NA | NA |

Tampa Electric's URD policy does not include "per lot" charges for multi-unit meter centers. These installations are covered in Tariff Section 5 Subsection 3.4.4.

Single Occupancy High Density 176 Lot Subdivision
Multi-Unit Meter Centers
Cost per Lot

| ITEM | MATERIAL | LABOR $^{\mathbf{1}}$ | TOTAL |
| :---: | :---: | :---: | :---: |
| Service $^{2}$ |  |  | $\$ 0.00$ |
| Primary |  |  | $\$ 0.00$ |
| Secondary |  |  | $\$ 0.00$ |
| Initial Tree Trim |  |  | $\$ 0.00$ |
| Poles |  |  | $\$ 0.00$ |
| Transformers | $\$ 0.00$ |  | $\$ 0.00$ |
| Subtotal |  |  | $\$ 0.00$ |
| Stores Handling ${ }^{3}$ | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| Subtotal |  |  | $\$ 0.00$ |
| Engineering | $\mathbf{\$ 0 . 0 0}$ | $\$ 0.00$ | $\$ 0.00$ |
| TOTAL |  |  | $\mathbf{\$ 0 . 0 0}$ |

${ }^{1}$ Includes Administration, General \& Transportation
${ }^{2}$ Includes Meter
${ }^{3}$ 12.22\% of all Material

Tampa Electric's URD policy does not include "per lot" charges for multi-unit meter centers. These installations are covered in Tariff Section 5 Subsection 3.4.4.

Single Occupancy High Density 176 Lot Subdivision
Multi-Unit Meter Centers
Cost per Lot

| ITEM | MATERIAL | LABOR $^{\mathbf{1}}$ | TOTAL |
| :---: | :---: | :---: | :---: |
| Service $^{2}$ |  |  | $\$ 0.00$ |
| Primary |  |  | $\$ 0.00$ |
| Secondary |  |  | $\$ 0.00$ |
| Transformers |  |  | $\$ 0.00$ |
| Pri. and Sec. Trenching |  | $\$ 0.00$ | $\$ 0.00$ |
| Service Trenching |  |  | $\$ 0.00$ |
| Subtotal | $\$ 0.00$ |  | $\$ 0.00$ |
| Stores Handling ${ }^{3}$ |  | $\$ 0.00$ |  |
| Subtotal | $\$ 0.00$ |  | $\$ 0.00$ |
| Engineering | $\mathbf{\$ 0 . 0 0}$ | $\$ 0.00$ | $\$ 0.00$ |
| TOTAL |  |  | $\mathbf{\$ 0 . 0 0}$ |

${ }^{1}$ Includes Administration, General \& Transportation
2 Includes Meter
${ }^{3} 12.22 \%$ of all Material

Tampa Electric's URD policy does not include "per lot" charges for multi-unit meter centers. These installations are covered in Tariff Section 5 Subsection 3.4.4.



## AVERAGE UNDERGROUND FEEDER COSTS

| Underground | Overhead | Difference |
| :--- | ---: | ---: |
| $\$ /$ Ft... | $\$ / \mathrm{Ft} \ldots$ | $\$ / \mathrm{Ft} \ldots$ |

With Favorable Trenching \$/Ft... $\qquad$ \$/Ft... $\qquad$

Additional Trenching Cost*
(Difficult Trenching)
\$/Ft... $\qquad$ \$/Ft...

* Difficult trenching charges include underground cost of cable-in-conduit and rock trench adder.

Note: Above costs reflect adjustment of \$ $\qquad$ for overhead estimates and \$ $\qquad$ for underground estimates.

Feeder cost are not included in Tampa Electric "per lot" charges. Feeder installation policy addressed in Tampa Electric's Tariff Section 5 Subsection 3.4.1.1.

# ACTUAL OPERATIONAL DISTRIBUTION EXPENSES IN 2020 

For Overhead and Underground

## OVERHEAD UNDERGROUND

Operational Expense - Distribution
\$63,394,096 \$33,194,939

JOINT TRENCHING WITH OTHER UTILITIES In RESIDENTIAL DISTRIBUTION

## 2011-2020 ADDITIONS

|  |  | Total | Total |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Amount | Amount |  |
|  |  | Work |  | Due From | Due To

[^2]JOINT TRENCHING WITH OTHER UTILITIES In RESIDENTIAL DISTRIBUTION
(continued)

| Year | Footage <br> Feet | Amount Due From <br> Other Utility | Amount Due To <br> Other Utility |
| :---: | :---: | :---: | :---: |
| Total For 2011 | 0 | $\$ 0.00$ | $\$ 0.00$ |
| Total For 2012 | 0 | $\$ 0.00$ | $\$ 0.00$ |
| Total For 2013 | 0 | $\$ 0.00$ | $\$ 0.00$ |
| Total For 2014 | 0 | $\$ 0.00$ | $\$ 0.00$ |
| Total For 2015 | 0 | $\$ 0.00$ | $\$ 0.00$ |
| Total For 2016 | 0 | $\$ 0.00$ | $\$ 0.00$ |
| Total For 2017 | 0 | $\$ 0.00$ | $\$ 0.00$ |
| Total For 2018 | 0 | $\$ 0.00$ | $\$ 0.00$ |
| Total For 2019 | 0 | $\$ 0.00$ | $\$ 0.00$ |
| Total For 2020 | 0 | $\$ 0.00$ | $\$ 0.00$ |
|  |  |  | $\$ 0.00$ |


| Underground Costs (per lot) |  |  |  |  | With overheads filed in rate case |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ITEM | MATERIAL |  | LABOR |  | total |  | EXPLANATION OF \% CHANGE |
|  | cost | \% CHANGE | COST | \% CHANGE | cost | \% CHANGE |  |
| SERVICE | 331.03 | 64.92\% | 248.42 | 46.79\% | 579.45 | 56.63\% | Underground material up, contractor rates up |
| PRIMARY | 304.40 | 30.81\% | 109.34 | 51.40\% | 413.74 | 35.68\% | Underground material up, Cable labor re-evaluation caused labor increase |
| SECONDARY | 79.99 | 84.78\% | 64.92 | 28.28\% | 144.91 | 54.32\% | Underground material up, Cable labor re-evaluation caused labor increase |
| TRANSFORMERS | 378.83 | 9.14\% | 86.18 | 10.13\% | 465.01 | 9.32\% | Underground material up, TEC \& Contractor overhead down |
| TRENCHING |  |  |  |  |  |  |  |
| PRIMARY \& SECONDARY |  |  | 319.74 | -12.14\% | 319.74 | -12.14\% | Contractor rates down |
| SERVICES |  |  | 318.88 | -7.16\% | 318.88 | -7.16\% | Contractor rates down |
| SUB-TOTAL | 1,094.25 | 32.82\% | 1,147.48 | 6.48\% | 2,241.73 | 17.89\% |  |
| STORES HANDLING | 133.72 | 16.11\% |  |  | 133.72 | 16.11\% | Higher material costs produces higher handling costs |
| SUB-TOTAL | 1,227.97 | 30.77\% | 1,147.48 | 6.48\% | 2,375.45 | 17.79\% |  |
| ENGINEERING |  |  | 65.66 | 0.00\% | 65.66 | 0.00\% |  |
| TOTAL | 1,227.97 | 30.77\% | 1,213.14 | 6.10\% | 2,441.11 | 17.23\% |  |
|  |  |  |  |  | 1,254.37 | Net Presen Restoratio | t Value of the Life Cycle Operational Cost Including Storm n and Lost Pole Attachment Revenue |
| Total with NPV Factor |  |  |  |  | 3,695.48 | Total Inclu | ding NPV of Operational Cost |

## Overhead Costs (per lot)

| ITEM | MATERIAL |  | LABOR |  | TOTAL |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :--- |
|  | COST | \% CHANGE | COST | \% CHANGE | COST | \% CHANGE | EXPLANATION OF \% CHANGE |

## Differential Costs (per lot)

|  | MATERIAL |  | LABOR |  | TOTAL |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| ITEM | COST | \% CHANGE | COST | \% CHANGE | COST | \% CHANGE |
| Differential (per lot) | 519.03 | $62.19 \%$ | 493.55 | $4.25 \%$ | $1,012.58$ | $27.62 \%$ |
| NPV amount |  |  |  |  | -642.29 |  |
| Differential ${ }^{1}$ (per lot) | 0.00 |  | 0.00 |  |  | 370.29 |
| 1 |  |  | $-175.42 \%$ |  |  |  |

${ }^{1}$ Includes NPV of Operational Cost


| Line \# | A Work Type/WR \# | B ${ }_{\text {B }}^{\text {Description }}$ |  | Material |  | $\begin{gathered} F \\ (G+H+1) \end{gathered}$ <br> Total Labor | G <br> Base Labor |  | $\begin{gathered} \text { I } \\ \text { (G K K } \times \text { CLF) } \\ \text { Contract Labor } \\ \text { Overheads } \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { TEC } \\ \text { Work \% } \\ \hline \hline \end{gathered}$ | Contractor Work \% | Vehicle | $\begin{gathered} \text { M } \\ \text { (D } \times \text { MHR) } \\ \text { Material } \\ \text { Handling } \\ \hline \end{gathered}$ | $\begin{gathered} \mathrm{N} \\ (\mathrm{C}+\mathrm{E}) \\ \text { Total } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Transformers |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 924920 | Install \& Ground Transformers | 89,275.93 | \$79,554.38 | 12,917.76 | 11,552.89 | 6,726.81 | 4,286.32 | 539.76 | 60\% | 40\% | \$1,364.87 | 9,721.55 | 102,193.69 |
| 3 | Contractor | Prepare Pad Site |  | - | 5,179.75 | 5,179.75 | 4,314.30 | - | 865.45 | 0\% | 100\% | - | - | 5,179.75 |
| 4 |  |  | 89,275.93 | 79,554.38 | 18,097.51 | 16,732.64 | 11,041.11 | 4,286.32 | 1,405.21 |  |  | 1,364.87 | 9,721.55 | 107,373.44 |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | Primary |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | 924957 | Primary Line - OH-UG Takeoffs | 1,615.06 | \$1,439.19 | 1,910.80 | 1,708.90 | 995.03 | 634.03 | 79.84 | 60\% | 40\% | \$201.89 | 175.87 | 3,525.85 |
| 8 | 925017 | Primary Conduit (Material Only) | 25,221.49 | \$22,475.04 |  | - |  | - |  |  |  | - | 2,746.45 | 25,221.49 |
| 9 | 925022 | Primary Cable | 44,899.79 | \$40,010.51 | 21,050.29 | 18,826.15 | 10,961.75 | 6,984.83 | 879.57 | 60\% | 40\% | \$2,224.14 | 4,889.28 | 65,950.08 |
| 10 |  |  | 71,736.34 | 63,924.74 | 22,961.08 | 20,535.05 | 11,956.78 | 7,618.86 | 959.41 |  |  | 2,426.03 | 7,811.60 | 94,697.43 |
| 11 | Secondary |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | 925024 | Secondary Cable | 11,440.67 | \$10,194.86 | 13,633.22 | 12,192.76 | 7,099.38 | 4,523.72 | 569.65 | 60\% | 40\% | \$1,440.46 | 1,245.81 | 25,073.90 |
| 13 | 925026 | Secondary Conduit (Material Only) | 7,409.08 | \$6,602.28 | - |  | - | - | - |  |  | - | 806.80 | 7,409.08 |
| 14 |  |  | 18,849.75 | 16,797.14 | 13,633.22 | 12,192.76 | 7,099.38 | 4,523.72 | 569.65 |  |  | 1,440.46 | 2,052.61 | 32,482.97 |
| 15 | Service |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 | 925028 | Service Cable | 26,226.15 | \$23,370.30 | 48,611.12 | 48,611.12 | 40,489.02 | - | 8,122.10 | 0\% | 100\% | - | 2,855.85 | 74,837.27 |
| 17 | 925029 | Set Meters | 21,181.30 | \$18,874.80 | 3,556.32 | 3,180.56 | 1,851.92 | 1,180.04 | 148.60 | 60\% | 40\% | \$375.75 | 2,306.50 | 24,737.62 |
| 18 | 925030 | Service Conduit Material | 30,604.71 | \$27,272.06 |  |  | - | - | - |  |  | - | 3,332.65 | 30,604.71 |
| 19 |  |  | 78,012.16 | 69,517.16 | 52,167.43 | 51,791.68 | 42,340.94 | 1,180.04 | 8,270.70 |  |  | 375.75 | 8,495.00 | 130,179.59 |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 | Trenching |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 | Contractor | Primary Trenching | - | - | 45,216.01 | 45,216.01 | 37,661.18 | - | 7,554.83 | 0\% | 100\% | - | - | 45,216.01 |
| 23 | Contractor | Secondary Trenching | - | - | 5,475.70 | 5,475.70 | 4,560.80 | - | 914.90 | 0\% | 100\% | - | - | 5,475.70 |
| 24 | TEC Inspection for | for Primary | . | - | 16,452.69 | 15,594.97 | - | - | - | 100\% | 0\% | 857.72 | - | 16,452.69 |
| 25 |  |  | - | - | 67,144.40 | 66,286.68 | 42,221.98 | - | 8,469.73 |  |  | 857.72 | - | 67,144.40 |
| 26 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27 | Contractor | Svc Trenching Pri. Prop | - | - | 39,974.94 | 39,974.94 | 33,295.80 | - | 6,679.14 | 0\% | 100\% | - | - | 39,974.94 |
| 28 | Contractor | Svc Trenching Rts-of-Wy | - | - | 17,238.59 | 17,238.59 | 14,358.31 | - | 2,880.28 | 0\% | 100\% | - | - | 17,238.59 |
| 29 | TEC Inspection | for Service | - | - | 9,750.62 | 9,242.42 | - | - | - | 100\% | 0\% | 508.20 | - | 9,750.62 |
| 30 |  |  | - | - | 66,964.14 | 66,455.94 | 47,654.11 | - | 9,559.41 |  |  | 508.20 | - | 66,964.14 |
| 31 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 34 | Totals (Sum of lines 4 | 4, 10, 14, 19, 25, 30, and 32) | \$ 257,874.18 | \$ 229,793.42 | \$ 254,756.18 | 247,783.15 | \$ 162,314.30 | \$ 17,608.95 | 29,234.11 |  |  | 6,973.04 | \$ 28,080.76 | \$ 512,630.36 |
| 35 | Cost per Lot | (line $34 / 210$ lots) | \$ 1,227.97 |  | \$ 1,213.12 |  |  |  |  |  |  |  |  | \$ $2,441.10$ |


| Adjustment Factors |  |  |  |  |
| :--- | :--- | :--- | :---: | :---: |
| TEC Operations Labor Overhead Factor | $\mathrm{TLF}=$ | 1.062 |  |  |
| Contractor Labor Overhead Factor | $\mathrm{CLF}=$ | 0.2006 |  |  |
| Current year material handling charge rate | MHR $=$ | 0.1222 |  |  |



Please modify the low density construction drawing legend as shown below.
UG Material List - 1501-2500 sq ft same trench 210 lot low density
1250 Total Connected KVA
1272.2 Total initial peak demand KVA

625 kVA Transformers
837.5 kVA Transformers

1650 kVA Transformers
075 kVA Transformers
14003 Trench Feet of 1/0 AL Primary Cable
1803 Existing trench feet of 1/0 AL Primary Cable
0 Trench Feet of $2 / 0$ AL Secondary Cable
0 Existing trench feet of 2/0 AL Secondary Cable
1597 Trench Feet of 4/0 AL Secondary Cable
384 Existing trench feet of 4/0 AL Secondary Cable
0 Trench Feet of 500 MCM AL Secondary Cable
0 Existing trench feet of 500 MCM AL Secondary Cable
9233 Trench Feet of 2/0 AL Service Cable
5064 Existing trench feet of 2/0 AL Service Cable
1265 Trench Feet of 4/0 AL Service Cable
1741 Existing trench feet of 4/0 AL Service Cable
0 Load Break Cabinet
Notes:

1. 1501-2500 SF Homes
2. 3.5 Ton AC Units
3. 40 ' Service run from property corner to meter location
4. Voltage drop less than or equal to 12.0 volts
5. Voltage flicker less than or equal to 12.0 volts

## UG CU Totals (Material and Labor) - $\mathbf{2 0 0 0}$ sq ft - $\mathbf{2 1 0}$ lot low density

Links allow this worksheet to summarize the material and CU entries from the ParkhurstPole worksheet through the BentTreePole worksheet. The totals are broken down into material construction units (CUs) for WorkPro work requests and labor inputs for the Contractor Labor worksheet.

Station All Stations - This information is used to create Work Requests to obtain costs.

| $<===$ | Blue shading indicates fields to be updated. In WorkPro search for each |
| ---: | :--- |
|  | Work Request Number shown in the blue areas. Then copy each work |
|  | request which will create a new work request number to be entered. |

Transfer the values from Qty and CU columns highlighted in yellow to the new
WorkPro Work Requests to obtain new costs
Those costs are then entered into the LDdifferentialMonth-Year.xls workbook to calculate the Low Density Differential cost.

## Work Request

Number
924920
Transformers - Cost for: Material only, TEC labor \& overhead, vehicle

| Qty CU | Definition | Total Con | ected |
| :---: | :---: | :---: | :---: |
| 0 pku51a3n | 25 kva , 6 tap 250mcm | 0 |  |
| 6 pku51c3n | 25 kva , 8 tap 250 mcm | 150 | 150 |
| 0 pku51a4n | 37.5 kva, 6 tap 250 mcm | 0 | 150 |
| 1 pku51b4n | 37.5 kva, 6 tap 500 mcm | 37.5 | 187.5 |
| 0 pku51c4n | 37.5 kva, 8 tap 250 mcm | 0 | 187.5 |
| 7 pku51d4n | 37.5 kva , 8 tap 500 mcm | 262.5 | 450 |
| 0 pku51a5n | 50 kva , 6 tap 250mcm | 0 | 450 |
| 0 pku51b5n | $50 \mathrm{kva}, 6$ tap 500 mcm | 0 | 450 |
| 0 pku51c5n | $50 \mathrm{kva}, 8$ tap 250 mcm | 0 | 450 |
| 16 pku51d5n | $50 \mathrm{kva}, 8$ tap 500 mcm | 800 | 1250 |
| 0 pku51a6n | $75 \mathrm{kva}, 6$ tap 250 mcm | 0 | 1250 |
| 0 pku51b6n | $75 \mathrm{kva}, 6$ tap 500 mcm | 0 | 1250 |
| 0 pku51c6n | $75 \mathrm{kva}, 8$ tap 250 mcm | 0 | 1250 |
| 0 pku51d6n | $75 \mathrm{kva}, 8 \mathrm{tap} 500 \mathrm{mcm}$ | 0 | 1250 |
| 1 bushcover_arrester | open position on loop tx used as radial |  | 1250 |

1 bushcover_arrester open position on loop tx used as radial
1250
1 bushdummy_arresteınormal open tx in loop
2 bushinsert arrester at adjacent tx to normal open in a loop
33 grdmeg1/2 meggar ground, drive rods, 1 location, $1 / 2^{\prime \prime}$ rods

Work Request
Number
924957

|  | Qty Primary - Cost for: Material only, TEC labor \& overhead, vehicle |
| :--- | :--- |
| Qty | Definition |
| 4 PKE601WF1B | TEC material \& labor to frame terminal pole CO \& LA |
| 4 grdmeg103 $1 / 2$ | Fuse |
| meggar ground, drive rods, 1 location, $1 / 2^{\text {" rods }}$ |  |

Primary Trenching - Labor Only Done by contractors
Qty
CU Definition
14003 Trenching feet required for 2" primary conduit
1803 Existing trench feet used for 2" primary conduit
14003 Install Pulling Tape (blow in tape for pull - trench feet used to determine contractor cost)

## Work Request

Number
925017
Primary Conduit - Cost for Material only
Material used by contractors to install the conduit system
Qty CU Definition
40 COND2G
Conduit, galvanized 2", 10' with coupling, for up terminal pole TEC \# 2004389
16156 COND2_SCHA
16506 MULE TAPE
Pulling tape - actual length - does not need any 5\% adder TEC \# 2007414
88 ELL2G90 2" elbow 90 galv 9.5" radius TEC \# 2004395
1 ELL2G45 2" elbow 45 galv 9.5" radius TEC \# 2004394
178 COUP2P Coupling, 2" PVC (2 per elbow) TEC \# 2004507
33 GLUECONDF
3 HH1PHPRI
2"\& 3" pvc 1 qt for 500' fast dry
$1 ø$ splice box ( $30^{\prime \prime} \times 48^{\prime \prime} \times 18$ "), UG GR\&S 6-21

## Work Request

Number
925022

## Primary Cable - Cost for: Material only, TEC labor \& overhead, vehicle

Qty CU Definition

| 4 PKU16WF | pothead, 38' 1c 1/0AL cable, 20' pvc, ground conn, wood pole | 152 |
| :--- | :--- | :--- |
| 61 PKU11F | safebreak, $5^{\prime} 1 \mathrm{c} 1 / 0 \mathrm{AL}$ cable, ground conn | 305 |

0 PKU31P3 switch cubicle(lbc) 1ph, 200a deadfront, 3 position w/pad, grnd
0 PKU31P4 switch cubicle(lbc) 1ph, 200a deadfront, 4 position w/pad, grnd 0 FAULT1PA fault indicator, 1 ph $1 / 0-4 / 0$ above grade, 400a
15806 CA1/0CN1CAL_SOL cable, 1/0AL concentric neutral 15kV, includes labor 15806
0 WIU1F labor to pull ug cable in conduit
Our check! -Work request material 1/0AL concentric neutral 15 kV cable total should be $==>\quad 17060.9$

## Secondary Trenching - Labor Only - Done By Contractors

Used to determine contractor labor cost on the Contractor Labor worksheet
Qty
CU Definition
0 Trenching feet required for 2 " secondary conduit
0 Existing trench feet used for 2" secondary conduit
0 Trenching feet required for 3 " secondary conduit used for $2 / 0$ service cable
0 Existing trench feet used for 3 " secondary conduit used for $2 / 0$ service cable
0 Trenching feet required for 3 " secondary conduit used for $4 / 0$ service cable
320 Existing trench feet used for 3 " secondary conduit used for $4 / 0$ service cable
1597 Trenching feet required for 4 " secondary conduit used for $4 / 0$ service cable
64 Existing trench feet used for 4 " secondary conduit used for $4 / 0$ service cable
0 Trenching feet required for 4 " secondary conduit used for 500 service cable
0 Existing trench feet used for 4 " secondary conduit used for 500 service cable
1597 Install Pulling Tape (blow in tape for pull - trench feet used to determine contractor cost)
Work Request
Number

925024
Secondary Cable \& Hand Holes - Cost for: Material only, TEC labor \& overhead, vehi
Qty CU Definition

0 wiu3sb $\quad$ 2c $2 / 01 \mathrm{c} 1$ neutral, 600 v - added $5 \%$ here $\quad$ This CU adds $5 \%$ and we want it to.
2171 CA4/0INS3CAL
0 wiu3sn 2c $4 / 0$ 1c $2 / 0$ neutral, 600 v includes labor - added $5 \%$ This CU adds $5 \%$ and we want it to.

0 insbus350/4
0 insbus350/6
0 insbus500/4
69 insbus500/6
0 insbus500/8
0 wiu1f
23 svhottx
23 svhothh
0 hhsec 2c 500 1c 350 neutral, 600 v - added $5 \%$ here This CU adds $5 \%$ and we want it to.
crab 4 position up to 350 mcm
crab 6 position up to 350 mcm
crab 4 position up to 500 mcm
crab 6 position up to 500 mcm
crab 8 position up to 500 mcm
labor to pull ug cable in conduit
energize ug secondary in transformer
energize ug secondary in hand hole
secondary h/h 12 "x20", 3 or $42 / 0$ or $4 / 0 \mathrm{svc} \mathrm{w} / 2 / 0$ or $4 / 0 \mathrm{sec}$
23 HH LARGE PEDEST secondary h/h 14"x18" large pedestal, 5 to $72 / 0$ or $4 / 0 \mathrm{svc} \mathrm{w} / 4 / 0$ or 500 sec (any time 500 used)

## Work Request

Number
925026
Secondary Conduit - Cost for Material Only
Material used by contractors to install the conduit system
Qty
CU

## Definition

0 COND2_SCHA 2 " conduit sched A bell end TEC \# 2004488
340 COND3_SCHA $3^{\prime \prime}$ conduit sched A bell end TEC \# 2004517
1871 COND4_PVC_SCHA 4" conduit sched A bell end TEC \# 2004529
2326 MULE TAPE Pulling tape, plus adding 5\% extra here TEC \# 2007414
0 ELL2P90 2" elbow 90 PVC 9.5" radius TEC \# 2004511
0 ELL2P45 2" elbow 45 PVC 9.5" radius TEC \# 2004510
4 ELL3P90 3 " elbow 90 PVC 13" radius TEC \# 2004524
0 ELL3P45 3 " elbow 45 PVC 13" radius TEC \# 2004523
42 ELL4P90 4" elbow 90 PVC 16" radius TEC \# 2004538
0 ELL4G45 4" elbow 45 galv 16" radius TEC \# 2004427
0 COUP2P Coupling, 2" PVC (2 per elbow) TEC \# 2004507
8 COUP3P Coupling, 3" PVC (2 per elbow) TEC \# 2004521
84 COUP4P Coupling, 4" PVC (2 per elbow) TEC \# 2004535
1 GLUECONDF 2"\& 3" pvc 1 qt for 500' fast dry
8 GLUECONDM 4"\&6" pvc 1 qt for 250 medium dry


TAMPA ELEETRIE

## Contact Name:

Tampa Electric

Estimate Summary
Design Number 1
Distribution Services Transformers 2000 Sq Ft

Printed Date: 3/10/2021
District: CSA
WR No. 924920
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: URD filing for 1501-2500 sq ft low density
WR Description: LDUG 2000 sq ft TRANSFORMERS

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 79,554.38$ | $\$ 0.00$ | $\$ 79,554.38$ |
| OVERHEAD: | $\$ 11,002.38$ | $\$ 0.00$ | $\$ 11,002.38$ |
|  | $\$ 90,556.76$ | $\$ 0.00$ | $\$ 90,556.76$ |
| LABOR HOURS: | 152.8 | 0 | 152.8 |
| LABOR COST: | $\$ 6,726.81$ | $\$ 0.00$ | $\$ 6,726.81$ |
| OVERHEAD: | $\$ 8,913.02$ | $\$ 0.00$ | $\$ 8,913.02$ |
|  | $\$ 15,639.83$ | $\$ 0.00$ | $\$ 15,639.83$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 106,196.59$ | $\$ 0.00$ | $\$ 106,196.59$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 106,196.59$ |  | $\$ 0.00$ | $\$ 106,196.59$ |

# Work Request Material Summary <br> ***Includes Truck Stock*** 

## Design Number 1

| Material Number Description |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 2 | 2003816 | ARRESTER, UD, 10KV PARKING L/A, 8.40 KVR | \$144.06 | \$288.12 | Y |
| 2 | 2003815 | ARRESTER, URD, 10KV ELBOW L/A, 8.40 KVRM | \$63.66 | \$127.32 | Y |
| 4 | 2003817 | ARRESTER, URD, 10KV, BUSHING L/A, 8.40KV | \$192.51 | \$770.04 | Y |
| 30 | 2077906 | CLAMP, GROUND ROD, F/U/W 1/2"ROD | \$1.80 | \$54.00 | N |
| 60 | 2078000 | CLAMP,GND,TRANSFORMER,\#10 SOL-\#1 STR CU | \$2.31 | \$138.60 | N |
| 4 | 2077931 | CONNECTOR, VICE CU \#2 STR | \$2.38 | \$9.52 | N |
| 90 | 2077939 | COUPLER, GROUND ROD, F/U/W 1/2"ROD | \$4.78 | \$430.20 | N |
| 30 | 2001315 | PAD, CONCRETE 40" $\times 45$ " $\times 4$ " $25-50 \mathrm{KVA}$ T | \$103.25 | \$3,097.50 | N |
| 0 | 2001316 | PAD, CONCRETE 44" $\times 52$ " $\times 4$ " 75-250KVA T | \$115.55 | \$0.00 | N |
| 30 | 2007395 | PADLOCK, RED BRASS BODY 1/4" BRASS SHACK | \$22.97 | \$689.10 | N |
| 30 | 2007489 | REPELLENT, FIRE ANT GRANULE 4 OZ BIFENTH | \$2.77 | \$83.10 | N |
| 120 | 2077980 | ROD,GROUND,CU BONDED, 1/2"X10',THREADLESS | \$13.72 | \$1,646.40 | N |
| 60 | 2004031 | STUD, GALVANIZED, 11 THREAD PER INCH ALL | \$2.47 | \$148.20 | N |
| 90 | 2004904 | TERMINAL, SLIP FIT AL 5/8 IN 8-POS \#2-50 | \$17.94 | \$1,614.60 | N |
| 0 | 2004948 | TERMINAL, SLIP FIT ALUMINUM STUD TYPE, 6 | \$7.54 | \$0.00 | N |
| 0 | 2004954 | TERMINAL, SLIP FIT ALUMINUM STUD TYPE, 6 | \$16.58 | \$0.00 | N |
| 0 | 2004950 | TERMINAL, SLIP FIT ALUMINUM STUD TYPE, 8 | \$8.28 | \$0.00 | N |
| 6 | 2001518 | TX,PM,LP,1P,25 kVA,240/120,FR3,SS | \$2,001.00 | \$12,006.00 | Y |
| 8 | 2001519 | TX,PM,LP,1P,37.5 kVA,240/120,FR3,SS | \$2,108.00 | \$16,864.00 | Y |
| 16 | 2001520 | TX,PM,LP,1P,50 kVA,240/120,FR3,SS | \$2,592.00 | \$41,472.00 | Y |
| 0 | 2001521 | TX,PM,LP,1P,75 kVA,240/120,FR3,SS | \$3,044.00 | \$0.00 | Y |
| 180 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | \$0.63 | \$113.40 | N |
| 6 | 2078011 | WIRE, COPPER, TIE, \#6 SOLID SOFT DRAWN | \$0.38 | \$2.28 | N |
|  |  |  | Total | \$79,554.38 |  |

TAMPA ELEETRIC
Contact Name:

Estimate Summary
Design Number 1
Distribution Services
Term Poles - low density 2000 sq ft

Printed Date: 3/10/2021
District: CSA
WR No. 924957
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Low density URD filing - 2000 sq ft homes
WR Description: LDUG 2000 sq ft TAKEOFFS

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 1,439.19$ | $\$ 0.00$ | $\$ 1,439.19$ |
| OVERHEAD: | $\$ 199.05$ | $\$ 0.00$ | $\$ 199.05$ |
|  | $\$ 1,638.24$ | $\$ 0.00$ | $\$ 1,638.24$ |
| LABOR HOURS: | 22.62 | 0 | 22.62 |
| LABOR COST: | $\$ 995.03$ | $\$ 0.00$ | $\$ 995.03$ |
| OVERHEAD: | $\$ 1,318.42$ | $\$ 0.00$ | $\$ 1,318.42$ |
|  | $\$ 2,313.45$ | $\$ 0.00$ | $\$ 2,313.45$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 3,951.69$ | $\$ 0.00$ | $\$ 3,951.69$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 3,951.69$ |  | $\$ 0.00$ | $\$ 3,951.69$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

# Work Request Material Summary <br> ***Includes Truck Stock*** 

## Design Number 1

| Material Number Descriptio |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 4 | 2003651 | ARRESTER, LIGHTNING DISTRIBUTION CLASS 8 | \$41.28 | \$165.12 | Y |
| 4 | 2077754 | BOLT, MACHINE 5/8" X 10", GALV. FULL | \$1.04 | \$4.16 | N |
| 4 | 2131366 | BRACKET, FG, 1 PH, 1 POS, 18" | \$30.03 | \$120.12 | N |
| 4 | 2077906 | CLAMP, GROUND ROD, F/U/W 1/2"ROD | \$1.80 | \$7.20 | N |
| 4 | 2077911 | CLAMP, HOT LINE CU TO CU \#6 SOL- 2 STR T | \$5.73 | \$22.92 | N |
| 160 | 2078012 | CONDUCTOR, COPPERCLAD, 3 STR. \#9, DSA 30 | \$0.84 | \$134.40 | N |
| 12 | 2004187 | CONDUCTOR,BARE,\#2 CU,7-STR,SOFT-DRAWN | \$0.98 | \$11.76 | N |
| 4 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR 2/0 | \$0.66 | \$2.64 | N |
| 8 | 2077930 | CONNECTOR, VICE CU \#4 STR | \$1.91 | \$15.28 | N |
| 15 | 2077939 | COUPLER, GROUND ROD, F/U/W 1/2"ROD | \$4.78 | \$71.70 | N |
| 4 | 2003846 | CUTOUT, 15KV, 100A FUSE HLDR, 300A UNVRS | \$70.74 | \$282.96 | Y |
| 4 | 2077793 | FUSE LINK, 80A UNVRSL 100A CUTOUT 23" OA | \$6.67 | \$26.68 | N |
| 4 | 2077822 | KIT, ATTACHMENT, FOR ATTACHING "FLYING" | \$63.00 | \$252.00 | N |
| 8 | 2077965 | MOULDING, GROUND WIRE, PVC 1/2 IN X 8 FT | \$1.74 | \$13.92 | N |
| 16 | 2077980 | ROD,GROUND,CU BONDED,1/2"X10',THREADLESS | \$13.72 | \$219.52 | N |
| 4 | 2077789 | SCREW, LAG PILOT POINT $3 / 8 \times 3$ | \$0.27 | \$1.08 | N |
| 40 | 2077997 | STAPLE, SECURES 1/2" PVC MOULDING TO WOO | \$0.27 | \$10.80 | N |
| 4 | 2077828 | STIRRUP, AL BODY \& CU BAIL 1/0-397 | \$17.19 | \$68.76 | N |
| 4 | 2078006 | WASHER, FLAT, GALVANIZED, 2" $\times 2$ " $\times 1 / 8 "$ | \$0.24 | \$0.96 | N |
| 4 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | \$0.63 | \$2.65 | N |
| 12 | 2078011 | WIRE, COPPER, TIE, \#6 SOLID SOFT DRAWN | \$0.38 | \$4.56 | N |
|  |  |  | Total | \$1,439.19 |  |

TAMPA ELEETRIC
Contact Name:

Estimate Summary
Design Number 1
Distribution Services
Primary conduit 2000 Sq Ft

Printed Date: 3/10/2021
District: CSA
WR No. 925017
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Low density 2000 sq ft URD filing
WR Description: LDUG 2000 sq ft PRIMARY CONDUIT

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 22,475.04$ | $\$ 0.00$ | $\$ 22,475.04$ |
| OVERHEAD: | $\$ 3,108.30$ | $\$ 0.00$ | $\$ 3,108.30$ |
|  | $\$ 25,583.34$ | $\$ 0.00$ | $\$ 25,583.34$ |
| LABOR HOURS: | 223.84 | 0 | 223.84 |
| LABOR COST: | $\$ 9,853.36$ | $\$ 0.00$ | $\$ 9,853.36$ |
| OVERHEAD: | $\$ 13,055.70$ | $\$ 0.00$ | $\$ 13,055.70$ |
|  | $\$ 22,909.06$ | $\$ 0.00$ | $\$ 22,909.06$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 48,492.40$ | $\$ 0.00$ | $\$ 48,492.40$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 48,492.40$ |  | $\$ 0.00$ | $\$ 48,492.40$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

Work Request Material Summary
***Includes Truck Stock***
Design Number 1

Dist:CSA
WR No. 925017
Page 1 of 1

| Material Number |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 33 | 2007227 | CEMENT, PVC CLEAR FAST DRY QUART W/DAUBE | \$6.22 | \$205.26 | N |
| 40 | 2004389 | CONDUIT, GALVANIZED 2 IN 10 FT WITH COUP | \$6.78 | \$271.20 | Y |
| 16156 | 2004488 | CONDUIT, PVC 2 IN 20 FT BELL END | \$1.03 | \$16,640.68 | Y |
| 178 | 2004507 | COUPLING, PVC 2 IN SCH 40 TEMS 13.01 | \$0.60 | \$106.80 | N |
| 88 | 2004395 | ELBOW, 2" 90 DEGREE ,GALVANIZED, 24" MIN | \$34.29 | \$3,017.52 | N |
| 1 | 2004394 | ELBOW, GALV 2 INCH 45 DEG THD 15" RADIUS | \$26.25 | \$26.25 | N |
| 3 | 2004719 | HANDHOLE, SPLICING SINGLE PHASE PRIMARY | \$554.21 | \$1,662.63 | Y |
| 18157 | 2007414 | TAPE, PULLING, POLYSTER, RATED AT 1250\#, | \$0.03 | \$544.70 | N |
|  |  |  | Total | \$22,475.04 |  |

Contact Name:

Estimate Summary
Design Number 1
Distribution Services
Primary cable - 2000 Sq Ft

Printed Date: 3/11/2021
District: CSA
WR No. 925022
Date Sched: 4/1/21
Date Required: 4/21/21

Additional Information: URD Low Density 2000 PSC filing
WR Description: LDUG 2000 sq ft PRIMARY CABLE

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 40,010.51$ | $\$ 0.00$ | $\$ 40,010.51$ |
| OVERHEAD: | $\$ 5,533.47$ | $\$ 0.00$ | $\$ 5,533.47$ |
|  | $\$ 45,543.98$ | $\$ 0.00$ | $\$ 45,543.98$ |
| LABOR HOURS: | 249.02 | 0 | 249.02 |
| LABOR COST: | $\$ 10,961.75$ | $\$ 0.00$ | $\$ 10,961.75$ |
| OVERHEAD: | $\$ 14,524.30$ | $\$ 0.00$ | $\$ 14,524.30$ |
|  | $\$ 25,486.05$ | $\$ 0.00$ | $\$ 25,486.05$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 71,030.03$ | $\$ 0.00$ | $\$ 71,030.03$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 71,030.03$ |  | $\$ 0.00$ | $\$ 71,030.03$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

Work Request Material Summary
***Includes Truck Stock***

## Design Number 1

| Material Number |  | Description | Unit Price | Total Cost Asset? |  |
| ---: | ---: | :--- | ---: | ---: | ---: |
| INSTALL |  |  |  |  |  |
| 0 | 2004577 | ANCHOR, LEAD EXPANSION, MEDIUM DUTY, SIZ | $\$ 0.66$ | $\$ 0.00$ | N |
| 0 | 2003157 | BOLT, 1/2" - 13 X 1-1/2" 18-8 SS HEX HEA | $\$ 2.59$ | $\$ 0.00$ | N |
| 0 | 2003167 | BOLT, MACHINE GALV HEX HEAD 5/8 X 1-1/4" | $\$ 0.18$ | $\$ 0.00$ | N |
| 17554 | 2004343 | CABLE, ALUMINUM, 15KV, 1/C, 1/0 AWG SOLI | $\$ 2.08$ | $\$ 33,192.64$ | Y |
| 4 | 2004514 | CAP, CONDUIT 2" | $\$ 12.21$ | $\$ 48.84$ | N |
| 4 | 2004453 | CAP, END CABLE 600 V CABLE RANGE .940 - | $\$ 1.96$ | $\$ 7.84$ | N |
| 4 | 2003752 | CLAMP, CONDUIT GROUND 1-1/4 IN - 2 IN CO | $\$ 7.92$ | $\$ 31.68$ | N |
| 0 | 2077906 | CLAMP, GROUND ROD, F/U/W 1/2"ROD | $\$ 1.80$ | $\$ 0.00$ | N |
| 80 | 2004488 | CONDUIT, PVC 2 IN 20 FT BELL END | $\$ 1.03$ | $\$ 82.40$ | Y |
| 8 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR 2/0 | $\$ 0.66$ | $\$ 5.28$ | N |
| 0 | 2005009 | CONNECTOR, LDBRK 8.3/14.4KV 200A 3POS | $\$ 108.70$ | $\$ 0.00$ | N |
| 77 | 2077931 | CONNECTOR, VICE CU \#2 STR | $\$ 2.38$ | $\$ 183.26$ | N |
| 0 | 2077939 | COUPLER, GROUND ROD, F/U/W 1/2"ROD | $\$ 4.78$ | $\$ 0.00$ | N |
| 0 | 2004982 | ENCLOSURE, 200A AL SWITCH MOD/1 PH DUMMY | $\$ 1,122.04$ | $\$ 0.00$ | Y |
| 61 | 2004642 | KIT, SEALING, CABLE ACCESSORY, 1/0 - 4/0 | $\$ 9.46$ | $\$ 577.06$ | N |
| 0 | 2001315 | PAD, CONCRETE 40" X 45" X 4" 25-50KVA T | $\$ 103.25$ | $\$ 0.00$ | N |
| 0 | 2007394 | PADLOCK, GREEN, TESS, BRASS BODY, WR2 | $\$ 21.24$ | $\$ 0.00$ | N |
| 0 | 2007489 | REPELLENT, FIRE ANT GRANULE 4 OZ BIFENTH | $\$ 2.77$ | $\$ 0.00$ | N |
| 0 | 2077980 | ROD,GROUND,CU BONDED,1/2"X10',THREADLESS | $\$ 13.72$ | $\$ 0.00$ | N |
| 32 | 2004403 | STRAP, GALV 2 IN 2 HOLE | $\$ 0.28$ | $\$ 8.96$ | N |
| 61 | 2004883 | TERMINATOR, LOADBREAK 200 AMP, 1/0 SOL | $\$ 37.76$ | $\$ 2,303.36$ | Y |
| 4 | 2004634 | TERMINATOR, POTHEAD, 1/0 TO 4/0, STEM | $\$ 61.22$ | $\$ 244.88$ | Y |
| 0 | 2078005 | WASHER, FLAT, GALVANIZED, 2" X 2" X 1/8 | $\$ 0.23$ | $\$ 0.00$ | N |
| 0 | 2078006 | WASHER, FLAT, GALVANIZED, 2" X 2" X 1/8" | $\$ 0.24$ | $\$ 0.00$ | N |
| 8 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | $\$ 0.63$ | $\$ 5.04$ | N |

Contact Name:

Estimate Summary
Design Number 1
Distribution Services
Sec Cable and Handholes 2000 sq ft

Printed Date: 3/11/2021
District: CSA
WR No. 925024
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: URD low density 2000 homes - PSC filing
WR Description: LDUG 2000 sq ft SECONDARY CABLE

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 10,194.86$ | $\$ 0.00$ | $\$ 10,194.86$ |
| OVERHEAD: | $\$ 1,409.95$ | $\$ 0.00$ | $\$ 1,409.95$ |
|  | $\$ 11,604.81$ | $\$ 0.00$ | $\$ 11,604.81$ |
| LABOR HOURS: | 161.28 | 0 | 161.28 |
| LABOR COST: | $\$ 7,099.38$ | $\$ 0.00$ | $\$ 7,099.38$ |
| OVERHEAD: | $\$ 9,406.70$ | $\$ 0.00$ | $\$ 9,406.70$ |
|  | $\$ 16,506.08$ | $\$ 0.00$ | $\$ 16,506.08$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 28,110.89$ | $\$ 0.00$ | $\$ 28,110.89$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 28,110.89$ |  | $\$ 0.00$ | $\$ 28,110.89$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

# Work Request Material Summary 

***Includes Truck Stock***

## Design Number 1

Dist:CSA
WR No. 925024
Page 1 of 1

Description
Unit Price Total Cost Asset?

INSTALL

| 0 | 2004351 | CABLE, CONVERSE, AL, UG, 600V, 2/C, 2/0, |
| ---: | ---: | :--- |
| 2605 | 2004354 | CABLE, SWEETBRIAR, AL,UG,600V,2/C,4/0 AW |
| 0 | 2004356 | CABLE, XHHW-2,AL,UG,600V,2/C,500 MCM, 37 |
| 0 | 2005021 | CONNECTOR, 600V URD, 4 POSITION, CONDUCT |
| 0 | 2005022 | CONNECTOR, 600V URD, 6 POSITION, CONDUCT |
| 69 | 2005024 | CONNECTOR, 600V URD, 6 POSITION, CONDUCT |
| 0 | 2005025 | CONNECTOR, 600V, URD, 8 POSITION, CONDUC |
| 0 | 2005020 | CONNECTOR, URD 600 V 4 POSITION \#10-350M |
| 23 | 2000241 | DECAL,WARNING,NOTICE,CLEARANCE,10" X 7" |
| 23 | 2004714 | HANDHOLE, ABOVE GRADE, LARGE DOME |
| 23 | 2005212 | MARKER, CURB LEXAN .040 THICK, ROUND 2.5 |
| 23 | 2007395 | PADLOCK, RED BRASS BODY 1/4" BRASS SHACK |


| $\$ 1.01$ | $\$ 0.00$ | Y |
| ---: | ---: | ---: |
| $\$ 1.39$ | $\$ 3,621.23$ | Y |
| $\$ 4.33$ | $\$ 0.00$ | Y |
| $\$ 16.25$ | $\$ 0.00$ | N |
| $\$ 14.92$ | $\$ 0.00$ | N |
| $\$ 23.41$ | $\$ 1,615.29$ | N |
| $\$ 30.35$ | $\$ 0.00$ | N |
| $\$ 10.92$ | $\$ 0.00$ | N |
| $\$ 3.56$ | $\$ 81.88$ | N |
| $\$ 186.22$ | $\$ 4,283.06$ | N |
| $\$ 2.83$ | $\$ 65.09$ | N |
| $\$ 22.97$ | $\$ 528.31$ | N |
| Total | $\$ 10,194.86$ |  |

TAMPA ELEETRIC
Contact Name:

Estimate Summary
Design Number 1
Distribution Services
Secondary conduit-2000 sq ft

Printed Date: 3/10/2021
District: CSA
WR No. 925026
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: URD low density 2000 sq ft PSC filing
WR Description: LDUG 2000 sq ft SECONDARY CONDUIT

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 6,602.28$ | $\$ 0.00$ | $\$ 6,602.28$ |
| OVERHEAD: | $\$ 913.09$ | $\$ 0.00$ | $\$ 913.09$ |
|  | $\$ 7,515.37$ | $\$ 0.00$ | $\$ 7,515.37$ |
| LABOR HOURS: | 63.08 | 0 | 63.08 |
| LABOR COST: | $\$ 2,776.65$ | $\$ 0.00$ | $\$ 2,776.65$ |
| OVERHEAD: | $\$ 3,679.04$ | $\$ 0.00$ | $\$ 3,679.04$ |
|  | $\$ 6,455.69$ | $\$ 0.00$ | $\$ 6,455.69$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 13,971.06$ | $\$ 0.00$ | $\$ 13,971.06$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 13,971.06$ |  | $\$ 0.00$ | $\$ 13,971.06$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

# Work Request Material Summary 

***Includes Truck Stock***

## Design Number 1

| Material Number |  |  |  | Description | Unit Price |
| ---: | ---: | ---: | ---: | ---: | ---: | Total Cost Asset?

TAMPA ELEETRIC
Contact Name:

Estimate Summary
Design Number 1
Distribution Services
Service Cable-2000 sq ft

Printed Date: 3/11/2021
District: CSA
WR No. 925028
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Low density URD filing 2000 sq ft
WR Description: LDUG 2000 sq ft SERVICE CABLE

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 23,370.30$ | $\$ 0.00$ | $\$ 23,370.30$ |
| OVERHEAD: | $\$ 3,232.12$ | $\$ 0.00$ | $\$ 3,232.12$ |
|  | $\$ 26,602.42$ | $\$ 0.00$ | $\$ 26,602.42$ |
| LABOR HOURS: | 1.94 | 0 | 1.94 |
| LABOR COST: | $\$ 85.46$ | $\$ 0.00$ | $\$ 85.46$ |
| OVERHEAD: | $\$ 113.22$ | $\$ 0.00$ | $\$ 113.22$ |
|  | $\$ 198.68$ | $\$ 0.00$ | $\$ 198.68$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 26,801.10$ | $\$ 0.00$ | $\$ 26,801.10$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 26,801.10$ |  | $\$ 0.00$ | $\$ 26,801.10$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

# Work Request Material Summary 

***Includes Truck Stock***
Design Number 1
WR No. 925028
Page 1 of 1

| Material Number |  |  | Description | Unit Price | Total Cost Asset? |
| ---: | ---: | ---: | ---: | ---: | ---: |
| INSTALL |  |  |  |  |  |
| 17795 | 2004351 | CABLE, CONVERSE, AL, UG, $600 \mathrm{~V}, 2 / \mathrm{C}, 2 / 0$, | $\$ 1.01$ | $\$ 16,338.77$ | Y |
| 3883 | 2004354 | CABLE, SWEETBRIAR, AL, UG, $600 \mathrm{~V}, 2 / \mathrm{C}, 4 / \mathrm{AW}$ | $\$ 1.39$ | $\$ 4,498.04$ | Y |

Estimate Summary
Design Number 1
Distribution Services
Meter Labor- 2000 sq ft

Printed Date: 3/10/2021
District: CSA
WR No. 925029
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Low density URD filing 2000 sq ft homes
WR Description: LDUG 2000 sq ft METERS

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 42.07 | 0 | 42.07 |
| LABOR COST: | $\$ 1,851.92$ | $\$ 0.00$ | $\$ 1,851.92$ |
| OVERHEAD: | $\$ 2,453.80$ | $\$ 0.00$ | $\$ 2,453.80$ |
|  | $\$ 4,305.72$ | $\$ 0.00$ | $\$ 4,305.72$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 4,305.72$ | $\$ 0.00$ | $\$ 4,305.72$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ |
| SUBTOTAL: |  |  |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 4,305.72$ |  | $\$ 0.00$ | $\$ 4,305.72$ |

this form is not to be used for contribution in aid construction (CIAC).

TAMPA ELEETRIC
Contact Name:

Estimate Summary
Design Number 1
Distribution Services
Service Conduit- 2000 sq ft

Printed Date: 3/10/2021
District: CSA
WR No. 925030
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Low density URD filing for 2000 sq ft homes
WR Description: LDUG 2000 sq ft SERVICE CONDUIT

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 27,272.06$ | $\$ 0.00$ | $\$ 27,272.06$ |
| OVERHEAD: | $\$ 3,771.72$ | $\$ 0.00$ | $\$ 3,771.72$ |
|  | $\$ 31,043.78$ | $\$ 0.00$ | $\$ 31,043.78$ |
| LABOR HOURS: | 767.62 | 0 | 767.62 |
| LABOR COST: | $\$ 33,791.97$ | $\$ 0.00$ | $\$ 33,791.97$ |
| OVERHEAD: | $\$ 44,774.34$ | $\$ 0.00$ | $\$ 44,774.34$ |
|  | $\$ 78,566.31$ | $\$ 0.00$ | $\$ 78,566.31$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 109,610.09$ | $\$ 0.00$ | $\$ 109,610.09$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 109,610.09$ |  | $\$ 0.00$ |  |
| TOTALS: |  |  |  |  |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

# Work Request Material Summary <br> ***Includes Truck Stock*** 

## Design Number 1

| Material Number |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 23 | 2004492 | ADAPTER,COND PVC FMLE 2" SCH 40 SOCXFPT | \$0.57 | \$13.11 | N |
| 188 | 2004493 | ADAPTOR, 2" PVC, FEMALE SLIP TO MALE THR | \$0.40 | \$75.20 | N |
| 37 | 2007227 | CEMENT, PVC CLEAR FAST DRY QUART W/DAUBE | \$6.22 | \$230.14 | N |
| 23 | 2004409 | COND,SRVC RISER,TYPE IIPVC,40,2.5"X7' | \$12.00 | \$276.00 | N |
| 15237 | 2004488 | CONDUIT, PVC 2 IN 20 FT BELL END | \$1.03 | \$15,694.11 | Y |
| 2070 | 2004491 | CONDUIT, PVC 2 IN 250 FT ROLL FLEXIBLE | \$1.13 | \$2,339.10 | N |
| 23 | 2004518 | CONDUIT, PVC $3 \mathrm{IN} \times 250$ FT ROLL FLEXIBL | \$2.16 | \$49.68 | N |
| 3121 | 2004517 | CONDUIT, PVC P \& C 3 IN 20 FT | \$1.70 | \$5,305.70 | Y |
| 188 | 2004401 | CONDUIT, SERVICE RISER, PVC, 2" | \$4.92 | \$924.96 | N |
| 754 | 2004507 | COUPLING, PVC 2 IN SCH 40 TEMS 13.01 | \$0.60 | \$452.40 | N |
| 138 | 2004521 | COUPLING, PVC 3 IN SCH 40 TEMS 13.01 | \$2.95 | \$407.10 | N |
| 504 | 2004511 | ELBOW, CONDUIT PVC 2 IN SCH 4090 DEG 9- | \$1.26 | \$635.04 | N |
| 0 | 2004510 | ELBOW, PVC 2 IN 45 DEG 9-1/2 IN RAD SCH | \$0.94 | \$0.00 | N |
| 0 | 2004523 | ELBOW, PVC 3 IN 45 DEG 13 IN RAD SCH 40 | \$3.62 | \$0.00 | N |
| 69 | 2004524 | ELBOW, PVC 3 IN 90 DEG 13 IN RAD SCH 40 | \$4.52 | \$311.88 | N |
| 188 | 2004396 | NUT, LOCK GALV 2 IN | \$0.54 | \$101.52 | N |
| 23 | 2004408 | NUT, LOCK GALV 2-1/2 IN | \$1.06 | \$24.38 | N |
| 14391 | 2007414 | TAPE, PULLING, POLYSTER, RATED AT 1250\#, | \$0.03 | \$431.74 | N |
|  |  |  | Total | \$27,272.06 |  |




## Low Density - 210 Lots - Overhead Material List

This worksheet lists the totals for major materials to be listed on the associated work request print as requested by the PSC.

```
1225.0 Total Connected KVA
1258.9 Total peak demand KVA
    0 25 kVA Transformers
    4 37.5 kVA Transformers
    17 50 kVA Transformers
    3 75 kVA Transformers
10130 #2AAAC Primary
    65 Primary Poles
    0 2/0 AWG Triplex Secondary
8000 4/0 AWG Triplex Secondary
2135 #2AAAC Secondary Neutral
1515 2-2/0 & 1-1/0 AL Triplex Service Drop (considered secondary)
545 2-4/0 & 1-2/0 AL Triplex Service Drop (considered secondary)
35 Secondary Poles
9360 2-2/0 & 1-1/0 AL Triplex Service Drop
2-4/0 & 1-2/0 AL Triplex Service Drop
```



| Work Request \#2 | 925038 | - Primary |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#2 AAAC | 1 stspan | Add'1 | Fused cutout | Deadend \& tap | 2 way lateral | Fuse | unding |
| Assemblies $\Longrightarrow$ | WIOPA | WIOIF | WIO1A | PKP102WB3A | PKP101WA3A | PKP105WA4A | FLOH103 | GRDMEG1/2 |
| Total Quantities $=$ | 10130 | 19 | 43 | 2 | 7 | 2 | 2 | 5 |


| Work Request \#3 | 925039 | - Poles and Guys |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Should be $=$ | Pole haul | 18 tangent | 19 tangent | $1 \varnothing$ Deadend | 10 angle $<20$ | 18 angle $<20$ | 19 angle $>20$ | 18 angle $>20$ | $3{ }^{\circ}$ | Down guys | Pole hardware | Guy wire | Down guys |
| Assemblies $\Longrightarrow$ | POLE_HAUL | STP101_TAN_40C2 | STP101_TAN_45C2 | STP401_DE_40C2 | STP101_ANG_40C2 | STP101_ANG_45C2 | STP301_RC_40C2 | STP301_RC_45C2 | STP104_TAN_45C2 | PKG12W2H | PKG31W1H | GUYSTR3/8 | PKG11 W1H |
| Total Quantities $\Rightarrow$ | 65 | 12 | - | 11 | 20 | -1 | 17 | 1 | -2 - | 56 | 2 | 70 | 0 |


| Work Request \#4 | 925040 - Secondary - From Secondary\&Neutral worksheet |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $2 / 0$ | 4/0 | \#2 Neutral | 1 st span | Add' | 1st span | Add' | Eyebolt | Eyenut | DE+Bolt |  |
| Assemblies $\longrightarrow$ | wIO3SB | wiossc | wIOPA | WIOIF | wiola | WIOCF | wIoca | SEWIDEN | SEGIDEN | PKS11W | bleopen |
| Total Quantities $\Rightarrow$ | 0 | 8000 | 2135 | 9 | 2 | 33 | 20 | 4 | 12 | 30 | 12 |


| More of Work Request \#4 | - Secondary continued - From Secondary\&Neutral worksheet and SlackSecondary (service cable) \& Secondary Poles worksheet |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pole hardware | Guy wire |  | $35^{\prime}$ Class 4 | 35' Class 6 | $30^{\prime}$ Class 6 | Down guy |  |  |  |  |
| Assemblies $\Longrightarrow$ | PKG31W1H | GUYSTR3/8 | POLE_HAUL | STS11C | STSIIB | STS11A | PKGIIWIH | PKS21G | CA2/0TPX | CA4/OTPX | SVLABOR |
| Total Quantities $=$ | 16 | 1390 | 35 | 35 | 0 | 0 | 0 | 34 | 1515 | 545 | 34 |


| Work Request \#5 | 926547 | - Services |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Assemblies <br> Total Quantities $\Rightarrow$ | CA2/0TPX | 9360 | CA4/0TPX | SVLABOR |
| 0 |  |  |  |  |

TECP
TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Distribution Services
LDOH 2000 sq ft Transformers

Printed Date: 3/10/2021
District: CSA
WR No. 925037
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Used for Low Density 2000 sq ft 3.5 ton ac
WR Description: LDOH 2000 sq ft TRANSFORMERS

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 43,871.30$ | $\$ 0.00$ | $\$ 43,871.30$ |
| OVERHEAD: | $\$ 6,067.39$ | $\$ 0.00$ | $\$ 6,067.39$ |
|  | $\$ 49,938.69$ | $\$ 0.00$ | $\$ 49,938.69$ |
| LABOR HOURS: | 219.24 | 0 | 219.24 |
| LABOR COST: | $\$ 9,649.44$ | $\$ 0.00$ | $\$ 9,649.44$ |
| OVERHEAD: | $\$ 12,785.56$ | $\$ 0.00$ | $\$ 12,785.56$ |
|  | $\$ 22,435.00$ | $\$ 0.00$ | $\$ 22,435.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 72,373.69$ | $\$ 0.00$ | $\$ 72,373.69$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 72,373.69$ |  | $\$ 0.00$ | $\$ 72,373.69$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

## Design Number 1

## Dist:CSA

WR No. 925037
Page 1 of 1

| Material Number Description |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 24 | 2003646 | ARRESTER, DISTRIBUTION, 10KV, 8.4 KV MCOV | \$39.68 | \$952.32 | Y |
| 24 | 2077754 | BOLT, MACHINE 5/8" $\times 10$ ", GALV. FULL | \$1.04 | \$24.96 | N |
| 48 | 2077755 | BOLT,MACHINE,SQ HEAD,5/8"X12",ONE SQ NUT | \$1.16 | \$55.68 | N |
| 24 | 2003690 | BRACKET, CUTOUT, ARRESTER \& POTHEAD DWG | \$7.22 | \$173.28 | N |
| 24 | 2004660 | BRACKET,"L" $5-5 / 8$ "IN LENGTH FOR MTG CUTO | \$10.41 | \$249.84 | N |
| 312 | 2004197 | CABLE, HANDCOIL, COPPER, 600 V , 2/0 AWG, | \$2.32 | \$723.84 | N |
| 36 | 2004199 | CABLE, HANDCOIL, COPPER, 600 V , 4/0 AWG, | \$3.75 | \$135.00 | N |
| 24 | 2077906 | CLAMP, GROUND ROD, F/U/W 1/2"ROD | \$1.80 | \$43.20 | N |
| 24 | 2077911 | CLAMP, HOT LINE CU TO CU \#6 SOL- 2 STR T | \$5.73 | \$137.52 | N |
| 48 | 2078000 | CLAMP,GND,TRANSFORMER,\#10 SOL-\#1 STR CU | \$2.31 | \$110.88 | N |
| 960 | 2078012 | CONDUCTOR, COPPERCLAD, 3 STR. \#9, DSA 30 | \$0.84 | \$806.40 | N |
| 6 | 2003528 | CONNECTOR, 2-BOLT AL MAIN 336-500MCM TAP | \$25.78 | \$154.68 | N |
| 63 | 2077839 | CONNECTOR, COMPRESSION H-BLOCK ACSR 1/0- | \$0.53 | \$33.39 | N |
| 24 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR $2 / 0$ | \$0.66 | \$15.84 | N |
| 3 | 2077845 | CONNECTOR, COMPRESSION H-BLOCK ACSR 4/0 | \$0.68 | \$2.04 | N |
| 96 | 2077930 | CONNECTOR, VICE CU \#4 STR | \$1.91 | \$183.36 | N |
| 72 | 2077939 | COUPLER, GROUND ROD, F/U/W 1/2"ROD | \$4.78 | \$344.16 | N |
| 42 | 2003516 | COVER, SNAP-ON SQUEEZON CONNECTOR D DIE | \$0.39 | \$16.38 | N |
| 24 | 2003846 | CUTOUT, 15KV, 100A FUSE HLDR, 300A UNVRS | \$70.74 | \$1,697.76 | Y |
| 17 | 2077806 | FUSE LINK, 10A UNVRSL 100A CUTOUT 23" OA | \$3.91 | \$66.47 | N |
| 3 | 2077807 | FUSE LINK, 15A UNVRSL 100A CUTOUT 23" OA | \$3.93 | \$11.79 | N |
| 4 | 2077805 | FUSE LINK, 7A UNVRSL 100A CUTOUT 23" OAL | \$3.89 | \$15.56 | N |
| 48 | 2077965 | MOULDING, GROUND WIRE, PVC $1 / 2$ IN X 8 FT | \$1.74 | \$83.52 | N |
| 24 | 2007368 | PROTECTOR, WILD LIFE, SLIP-ON TYPE | \$5.35 | \$128.40 | N |
| 96 | 2077980 | ROD,GROUND,CU BONDED, 1/2"X10',THREADLESS | \$13.72 | \$1,317.12 | N |
| 24 | 2077767 | ROLLED BOLT, DOUBLE-ARMING, 5/8"X 16" | \$2.65 | \$63.60 | N |
| 24 | 2077789 | SCREW, LAG PILOT POINT $3 / 8 \times 3$ | \$0.27 | \$6.48 | N |
| 24 | 2077812 | SPACER, CABLED SECONDARY | \$6.79 | \$162.96 | N |
| 240 | 2077997 | STAPLE, SECURES 1/2" PVC MOULDING TO WOO | \$0.27 | \$64.80 | N |
| 24 | 2077826 | STIRRUP, AL BODY \& CU BAIL 2-4/0 | \$10.18 | \$244.32 | N |
| 4 | 2001368 | TX,OH,37.5 kVA,7.62/13.2Y,120/240,FR3 | \$1,253.83 | \$5,015.32 | Y |
| 17 | 2001369 | TX,OH,50 kVA,7.62/13.2Y,120/240,FR3 | \$1,463.60 | \$24,881.20 | Y |
| 3 | 2001370 | TX,OH,75 kVA,7.62/13.2Y,120/240,FR3 | \$1,924.56 | \$5,773.68 | Y |
| 120 | 2078006 | WASHER, FLAT, GALVANIZED, 2" $\times 2$ " $\times 1 / 8{ }^{\prime \prime}$ | \$0.24 | \$28.80 | N |
| 72 | 2078014 | WIRE, ALUMINUM, TIE, \#4 BARE ANNEALED | \$0.11 | \$7.92 | N |
| 76 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | \$0.63 | \$47.63 | N |
| 240 | 2078011 | WIRE, COPPER, TIE, \#6 SOLID SOFT DRAWN | \$0.38 | \$91.20 | N |
|  |  |  | Total | \$43,871.30 |  |

TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Distribution Services LDOH 2000 sq ft Primary

Printed Date: 3/10/2021
District: CSA
WR No. 925038
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Used for 2000 square foot design
WR Description: LDOH 2000 sq ft PRIMARY

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 3,368.38$ | $\$ 0.00$ | $\$ 3,368.38$ |
| OVERHEAD: | $\$ 465.86$ | $\$ 0.00$ | $\$ 465.86$ |
|  | $\$ 3,834.24$ | $\$ 0.00$ | $\$ 3,834.24$ |
| LABOR HOURS: | 117.08 | 0 | 117.08 |
| LABOR COST: | $\$ 5,153.24$ | $\$ 0.00$ | $\$ 5,153.24$ |
| OVERHEAD: | $\$ 6,828.03$ | $\$ 0.00$ | $\$ 6,828.03$ |
|  | $\$ 11,981.27$ | $\$ 0.00$ | $\$ 11,981.27$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 15,815.51$ | $\$ 0.00$ | $\$ 15,815.51$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 15,815.51$ |  | $\$ 0.00$ | $\$ 15,815.51$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

| Material Number Description |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 5 | 2003646 | ARRESTER, DISTRIBUTION, 10KV, 8.4KV MCOV | \$39.68 | \$198.40 | Y |
| 9 | 2077739 | BOLT, EYE, $5 / 8 \mathrm{IN} . \mathrm{X} 10 \mathrm{IN}$. , GALVANIZED | \$3.12 | \$28.08 | N |
| 7 | 2077754 | BOLT, MACHINE $5 / 8{ }^{\prime \prime} \times 100$, GALV. FULL | \$1.04 | \$7.28 | N |
| 2 | 2077780 | BOLT, SPOOL, 5/8" $\times 10$ ", GALV. SINGLE UP | \$4.16 | \$8.32 | N |
| 5 | 2003681 | BRACKET, "L", LIGHTNING ARRESTER 10 KV | \$7.95 | \$39.75 | N |
| 2 | 2003685 | BRACKET, FIBERGLASS STANDOFF VERTICAL16" | \$25.98 | \$51.96 | N |
| 2 | 2004660 | BRACKET, "L" $5-5 / 8{ }^{\text {"IN }}$ LENGTH FOR MTG CUTO | \$10.41 | \$20.82 | N |
| 18 | 2077818 | CLAMP, DEADEND ACSR OR AAC \#2-4/00R .30- | \$9.12 | \$164.16 | N |
| 5 | 2077906 | CLAMP, GROUND ROD, F/U/W 1/2"ROD | \$1.80 | \$9.00 | N |
| 16 | 2077911 | CLAMP, HOT LINE CU TO CU \#6 SOL- 2 STR T | \$5.73 | \$91.68 | N |
| 10637 | 2004331 | CONDUCTOR, BARE OVERHEAD, 2 AWG, AAAC, 7 | \$0.15 | \$1,595.48 | Y |
| 200 | 2078012 | CONDUCTOR, COPPERCLAD, 3 STR. \#9, DSA 30 | \$0.84 | \$168.00 | N |
| 22 | 2077838 | CONNECTOR, COMPRESSION H-BLOCK ACSR \#2-1 | \$0.41 | \$9.02 | N |
| 16 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR 2/0 | \$0.66 | \$10.56 | N |
| 10 | 2077930 | CONNECTOR, VICE CU \#4 STR | \$1.91 | \$19.10 | N |
| 15 | 2077939 | COUPLER, GROUND ROD, F/U/W 1/2"ROD | \$4.78 | \$71.70 | N |
| 2 | 2003846 | CUTOUT, 15KV, 100A FUSE HLDR, 300A UNVRS | \$70.74 | \$141.48 | Y |
| 4 | 2077765 | DOUBLE-ARMING, GALVANIZED 5/8 "X 12" | \$2.35 | \$9.40 | N |
| 2 | 2077794 | FUSE LINK, 103A UNVRSL 100A CUTOUT 23" O | \$24.29 | \$48.58 | N |
| 2 | 2077954 | INSULATOR, PIN TYPE, 10KV, ANSI CLASS 55 | \$3.75 | \$7.50 | N |
| 2 | 2077952 | INSULATOR, SPOOL, ANSI CLASS 53-3, TRANS | \$1.21 | \$2.42 | N |
| 9 | 2077959 | INSULATOR, SUSPENSION, POLYMER, 25 KV , AP | \$11.86 | \$106.74 | N |
| 10 | 2077965 | MOULDING, GROUND WIRE, PVC $1 / 2 \mathrm{IN} \times 8 \mathrm{FT}$ | \$1.74 | \$17.40 | N |
| 9 | 2077783 | NUT, EYE, STANDARD, 1-1/2" GALVANIZED FO | \$1.51 | \$13.59 | N |
| 20 | 2077980 | ROD,GROUND,CU BONDED,1/2"X10',THREADLESS | \$13.72 | \$274.40 | N |
| 7 | 2077789 | SCREW, LAG PILOT POINT $3 / 8 \times 3$ | \$0.27 | \$1.89 | N |
| 50 | 2077997 | STAPLE, SECURES 1/2" PVC MOULDING TO WOO | \$0.27 | \$13.50 | N |
| 2 | 2077828 | STIRRUP, AL BODY \& CU BAIL 1/0-397 | \$17.19 | \$34.38 | N |
| 14 | 2077826 | STIRRUP, AL BODY \& CU BAIL 2-4/0 | \$10.18 | \$142.52 | N |
| 2 | 2003613 | TIE, TOP, FORMED WIRE \#2 ACSR OR \#2 AAAC | \$2.87 | \$5.74 | N |
| 22 | 2078006 | WASHER, FLAT, GALVANIZED, 2 " $\times 2$ " $\times 1 / 8{ }^{\prime \prime}$ | \$0.24 | \$5.28 | N |
| 4 | 2078014 | WIRE, ALUMINUM, TIE, \#4 BARE ANNEALED | \$0.11 | \$0.44 | N |
| 67 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | \$0.63 | \$42.21 | N |
| 20 | 2078011 | WIRE, COPPER, TIE, \#6 SOLID SOFT DRAWN | \$0.38 | \$7.60 | N |
|  |  |  | Total | \$3,368.37 |  |

TAMPA ELEETRIC
Contact Name:

Estimate Summary
Design Number 1
Distribution Services LDOH 2000 sq ft - POLES

Printed Date: 3/10/2021
District: CSA
WR No. 925039
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Used for 2000 square foot design
WR Description: LDOH 2000 sq ft POLES

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 31,648.68$ | $\$ 0.00$ | $\$ 31,648.68$ |
| OVERHEAD: | $\$ 4,377.02$ | $\$ 0.00$ | $\$ 4,377.02$ |
|  | $\$ 36,025.70$ | $\$ 0.00$ | $\$ 36,025.70$ |
| LABOR HOURS: | 691.7 | 0 | 691.7 |
| LABOR COST: | $\$ 30,447.26$ | $\$ 0.00$ | $\$ 30,447.26$ |
| OVERHEAD: | $\$ 40,342.60$ | $\$ 0.00$ | $\$ 40,342.60$ |
|  | $\$ 70,789.86$ | $\$ 0.00$ | $\$ 70,789.86$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 106,815.56$ | $\$ 0.00$ | $\$ 106,815.56$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 106,815.56$ |  | $\$ 0.00$ | $\$ 106,815.56$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

| Material Number |  | Description |
| :---: | :---: | :---: |
| INSTALL |  |  |
| 56 | 2003632 | ANCHOR,SCRW GALV 10" WING 1-1/4" ROD 8" |
| 37 | 2077739 | BOLT, EYE, $5 / 8 \mathrm{IN} . \times 10 \mathrm{IN} ., \mathrm{GALVANIZED}$ |
| 114 | 2077764 | BOLT, MACHINE 3/4" $\times 12{ }^{\prime \prime}$, GALV |
| 68 | 2077754 | BOLT, MACHINE 5/8" $\times 10$ ", GALV. FULL |
| 40 | 2077753 | BOLT, MACHINE 5/8" $\times 8$ ", GALV. |
| 2 | 2077780 | BOLT, SPOOL, 5/8" X 10", GALV. SINGLE UP |
| 44 | 2077755 | BOLT,MACHINE,SQ HEAD,5/8"X12",ONE SQ NUT |
| 4 | 2003686 | BRACKET, FIBERGLASS STANDOFF VERTICAL24" |
| 18 | 2077818 | CLAMP, DEADEND ACSR OR AAC \#2-4/0OR .30- |
| 19 | 2003508 | CLAMP, SUSPENSION AL ANGLE RANGE . 50 TO |
| 40 | 2077924 | CLEVIS, STEEL LESS INSULATOR 5/8 IN PIN |
| 315 | 2078012 | CONDUCTOR, COPPERCLAD, 3 STR. \#9, DSA 30 |
| 60 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR 2/0 |
| 63 | 2077930 | CONNECTOR, VICE CU \#4 STR |
| 4 | 2077765 | DOUBLE-ARMING, GALVANIZED 5/8 "X 12" |
| 56 | 2003636 | EXTENSION ROD, ANCHOR 1-1/4 X 726 FT |
| 36 | 2077901 | FIBERGLASS RIDGE-PIN |
| 226 | 2077949 | GRIP,GUY,FORMED WIRE DEADEND,3/8"EHS |
| 37 | 2077862 | GUARD, LINE \#2 ACSR \& AAAC STR 6/1, 7 |
| 114 | 2077951 | HOOK, GUY |
| 40 | 2077954 | INSULATOR, PIN TYPE, 10KV, ANSI CLASS 55 |
| 2 | 2077952 | INSULATOR, SPOOL, ANSI CLASS 53-3, TRANS |
| 58 | 2077961 | INSULATOR, STRAIN FIBERGLASS 36 IN 15,00 |
| 37 | 2077959 | INSULATOR, SUSPENSION, POLYMER, 25KV, AP |
| 56 | 2077979 | MARKER, GUY WIRE PLASTIC 8' IN LENGTH CO |
| 60 | 2002857 | POLE, WOOD, 40FT CLASS 2, CCA TREATED |
| 5 | 2002858 | POLE, WOOD, 45 FT CLASS 2, CCA TREATED. |
| 31 | 2077767 | ROLLED BOLT, DOUBLE-ARMING, 5/8"X 16" |
| 114 | 2077790 | SCREW, LAG 1/2" $\times$ 4", GALV., TWIST DRIVE |
| 71 | 2077812 | SPACER, CABLED SECONDARY |
| 21 | 2003612 | TIE, PREFORMED SIDE TIE \#2 ACSR OR \#2 A |
| 19 | 2003613 | TIE, TOP, FORMED WIRE \#2 ACSR OR \#2 AAAC |
| 114 | 2078002 | WASHER, CURVED, MALLEABLE, 3" $\times$ 3" |
| 221 | 2078006 | WASHER, FLAT, GALVANIZED, 2 " $\times 2$ " $\times 1 / 8{ }^{\prime \prime}$ |
| 217 | 2078014 | WIRE, ALUMINUM, TIE, \#4 BARE ANNEALED |
| 4774 | 2005879 | WIRE,GUY,EHS STEEL,GALV,3/8",15.4K RBS |

Unit Price
Total Cost Asset?

| $\$ 48.15$ | $\$ 2,696.40$ | N |
| ---: | ---: | ---: |
| $\$ 3.12$ | $\$ 115.44$ | N |
| $\$ 2.41$ | $\$ 274.74$ | N |
| $\$ 1.04$ | $\$ 70.72$ | N |
| $\$ 1.05$ | $\$ 42.00$ | N |
| $\$ 4.16$ | $\$ 8.32$ | N |
| $\$ 1.16$ | $\$ 51.04$ | N |
| $\$ 48.88$ | $\$ 195.52$ | N |
| $\$ 9.12$ | $\$ 164.16$ | N |
| $\$ 13.95$ | $\$ 265.05$ | N |
| $\$ 9.38$ | $\$ 375.20$ | N |
| $\$ 0.84$ | $\$ 264.60$ | N |
| $\$ 0.66$ | $\$ 39.60$ | N |
| $\$ 1.91$ | $\$ 120.33$ | N |
| $\$ 2.35$ | $\$ 9.40$ | N |
| $\$ 50.54$ | $\$ 2,830.24$ | N |
| $\$ 28.87$ | $\$ 1,039.32$ | N |
| $\$ 2.27$ | $\$ 513.02$ | N |
| $\$ 1.95$ | $\$ 72.15$ | N |
| $\$ 2.73$ | $\$ 311.22$ | N |
| $\$ 3.75$ | $\$ 150.00$ | N |
| $\$ 1.21$ | $\$ 2.42$ | N |
| $\$ 14.73$ | $\$ 854.34$ | N |
| $\$ 11.86$ | $\$ 438.82$ | N |
| $\$ 4.43$ | $\$ 248.08$ | N |
| $\$ 272.68$ | $\$ 16,360.80$ | Y |
| $\$ 323.31$ | $\$ 1,616.55$ | Y |
| $\$ 2.65$ | $\$ 82.15$ | N |
| $\$ 0.47$ | $\$ 53.58$ | N |
| $\$ 6.79$ | $\$ 482.09$ | N |
| $\$ 2.64$ | $\$ 55.44$ | N |
| $\$ 2.87$ | $\$ 54.53$ | N |
| $\$ 1.22$ | $\$ 139.08$ | N |
| $\$ 0.24$ | $\$ 53.04$ | N |
| $\$ 0.11$ | $\$ 23.87$ | N |
| $\$ 0.33$ | $\$ 1,575.42$ | N |
| $\mathbf{T o t a l}$ | $\$ 31,648.68$ |  |
|  |  |  |

TAMPA ELEETRIC
Contact Name:

Estimate Summary
Design Number 1
Distribution Services LDOH 2000 sq ft Secondary

Printed Date: 3/10/2021
District: CSA
WR No. 925040
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Used for 2000 sq ft 3.5 TON AC design
WR Description: LDOH 2000 sq ft SECONDARY

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 25,452.75$ | $\$ 0.00$ | $\$ 25,452.75$ |
| OVERHEAD: | $\$ 3,520.12$ | $\$ 0.00$ | $\$ 3,520.12$ |
|  | $\$ 28,972.87$ | $\$ 0.00$ | $\$ 28,972.87$ |
| LABOR HOURS: | 397.97 | 0 | 397.97 |
| LABOR COST: | $\$ 17,519.72$ | $\$ 0.00$ | $\$ 17,519.72$ |
| OVERHEAD: | $\$ 23,213.62$ | $\$ 0.00$ | $\$ 23,213.62$ |
|  | $\$ 40,733.34$ | $\$ 0.00$ | $\$ 40,733.34$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 69,706.21$ | $\$ 0.00$ | $\$ 69,706.21$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 69,706.21$ |  | $\$ 0.00$ |  |
| TOTALS: |  |  |  |  |

this form is not to be used for contribution in aid construction (CIAC).

Work Request Material Summary
***Includes Truck Stock***
Design Number 1

| Material Number Description |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 8 | 2003632 | ANCHOR,SCRW GALV 10" WING 1-1/4" ROD 8" | \$48.15 | \$385.20 | N |
| 34 | 2077739 | BOLT, EYE, $5 / 8 \mathrm{IN} . \mathrm{X} 10 \mathrm{IN} ., \mathrm{GALVANIZED}$ | \$3.12 | \$106.08 | N |
| 24 | 2077764 | BOLT, MACHINE 3/4" X 12", GALV | \$2.41 | \$57.84 | N |
| 8 | 2077755 | BOLT,MACHINE,SQ HEAD,5/8"X12",ONE SQ NUT | \$1.16 | \$9.28 | N |
| 8400 | 2004339 | CABLE, OVERHEAD SECONDARY, TRIPLEX, 4/0 | \$1.72 | \$14,448.00 | Y |
| 1591 | 2004364 | CABLE, SERVICE DROP AL 2-2/0 \& 1-1/0 NEU | \$0.96 | \$1,527.17 | Y |
| 627 | 2004366 | CABLE, SERVICE DROP AL 2-4/0 \& 1-2/0 NEU | \$1.42 | \$890.06 | Y |
| 64 | 2077818 | CLAMP, DEADEND ACSR OR AAC \#2-4/00R .30- | \$9.12 | \$583.68 | N |
| 2242 | 2004331 | CONDUCTOR, BARE OVERHEAD, 2 AWG, AAAC, 7 | \$0.15 | \$336.27 | Y |
| 192 | 2077839 | CONNECTOR, COMPRESSION H-BLOCK ACSR 1/0- | \$0.53 | \$101.76 | N |
| 30 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR 2/0 | \$0.66 | \$19.80 | N |
| 30 | 2077931 | CONNECTOR, VICE CU \#2 STR | \$2.38 | \$71.40 | N |
| 128 | 2003516 | COVER, SNAP-ON SQUEEZON CONNECTOR D DIE | \$0.39 | \$49.92 | N |
| 8 | 2003636 | EXTENSION ROD, ANCHOR 1-1/4 X 726 FT | \$50.54 | \$404.32 | N |
| 32 | 2077949 | GRIP,GUY,FORMED WIRE DEADEND,3/8"EHS | \$2.27 | \$72.64 | N |
| 24 | 2077951 | HOOK, GUY | \$2.73 | \$65.52 | N |
| 16 | 2077961 | INSULATOR, STRAIN FIBERGLASS 36 IN 15,00 | \$14.73 | \$235.68 | N |
| 8 | 2077979 | MARKER, GUY WIRE PLASTIC $8^{\prime}$ ' IN LENGTH CO | \$4.43 | \$35.44 | N |
| 46 | 2077783 | NUT, EYE, STANDARD, 1-1/2" GALVANIZED FO | \$1.51 | \$69.46 | N |
| 0 | 2002836 | POLE, WOOD 30 FT CLASS 6 CCA TREATED NO | \$82.69 | \$0.00 | Y |
| 35 | 2002842 | POLE, WOOD, 35 FT , CLASS 4, CCA TREATED. | \$141.93 | \$4,967.55 | Y |
| 35 | 2077767 | ROLLED BOLT, DOUBLE-ARMING, 5/8"X 16" | \$2.65 | \$92.75 | N |
| 24 | 2077790 | SCREW, LAG 1/2" ${ }^{\text {4 }}$ ", GALV., TWIST DRIVE | \$0.47 | \$11.28 | N |
| 35 | 2077812 | SPACER, CABLED SECONDARY | \$6.79 | \$237.65 | N |
| 24 | 2078002 | WASHER, CURVED, MALLEABLE, 3" $\times 3$ " | \$1.22 | \$29.28 | N |
| 108 | 2078006 | WASHER, FLAT, GALVANIZED, 2" $\times 2$ " $\times 1 / 8{ }^{\prime \prime}$ | \$0.24 | \$25.92 | N |
| 105 | 2078014 | WIRE, ALUMINUM, TIE, \#4 BARE ANNEALED | \$0.11 | \$11.55 | N |
| 60 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | \$0.63 | \$37.80 | N |
| 1726 | 2005879 | WIRE,GUY,EHS STEEL,GALV,3/8",15.4K RBS | \$0.33 | \$569.58 | N |
|  |  |  | Total | \$25,452.75 |  |

TAMPA ELEETRIC
Contact Name:

Estimate Summary
Design Number 1
Distribution Services LDOH 2000 sq ft SERVICE

Printed Date: 3/10/2021
District: CSA
WR No. 926547
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Used for 2000 square foot design
WR Description: LDOH 2000 sq ft SERVICE

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 9,449.06$ | $\$ 0.00$ | $\$ 9,449.06$ |
| OVERHEAD: | $\$ 1,306.80$ | $\$ 0.00$ | $\$ 1,306.80$ |
|  | $\$ 10,755.86$ | $\$ 0.00$ | $\$ 10,755.86$ |
| LABOR HOURS: | 198.6 | 0 | 198.6 |
| LABOR COST: | $\$ 8,742.35$ | $\$ 0.00$ | $\$ 8,742.35$ |
| OVERHEAD: | $\$ 11,583.63$ | $\$ 0.00$ | $\$ 11,583.63$ |
|  | $\$ 20,325.98$ | $\$ 0.00$ | $\$ 20,325.98$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 31,081.84$ | $\$ 0.00$ | $\$ 31,081.84$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 31,081.84$ |  | $\$ 0.00$ | $\$ 31,081.84$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

Work Request Material Summary
***Includes Truck Stock***
Design Number 1

Description
Material Number
L

| 9828 | 2004364 | CABLE, SERVICE DROP AL 2-2/0 \& 1-1/0 NEU | $\$ 0.96$ | $\$ 9,434.88$ | $Y$ |
| ---: | ---: | :--- | ---: | ---: | ---: |
| 0 | 2004366 | CABLE, SERVICE DROP AL 2-4/0 \& 1-2/0 NEU | $\$ 1.42$ | $\$ 0.00$ | Y |
| 2 | 2003770 | CLAMP, MID SPAN ALUMINUM $1 / 4$ IN $-1 / 2$ IN | $\$ 7.09$ | $\$ 14.18$ | N |



## Differential Costs (per lot)

| ITEM | MATERIAL |  | LABOR |  | TOTAL |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | COST | \% CHANGE | COST | \% CHANGE | COST | \% CHANGE |
| Differential (per lot) | 315.14 | $74.92 \%$ | 444.64 | $7.15 \%$ | 759.78 | $27.66 \%$ |
| NPV amount |  |  |  |  | -824.54 |  |
| Differential ${ }^{\prime}$ (per lot) |  |  |  |  | -64.76 | $-90.55 \%$ |

[^3]


| Adjustment Factors |  |  |  |
| :--- | ---: | :--- | :---: |
| TEC Labor Overhead Factor (excludes engineering) | TLF $=$ | 1.062 |  |
| Contractor Labor Overhead Factor | CLF $=$ | 0.2006 |  |
| Current year material handling charge rate | MHR $=$ | 0.1222 |  |

High Density - 176 lot - Contractor Labor - Underground Estimate

1. Update the contractor labor rates on this page. The numbers to be updated are highlighted in blue.

1a. Hover over the red comment symbol in the corner of the cell. That refers to the source of the information.
The contractor labor rates come from the E.D. Field Construction Department - the Conduit Coordinators Mike Capparelli, Steve Furry, Jerry Manning, Bill Baxter.
2. Transfer the contractors costs to the HDdifferentialMonth-Year.xls file. The numbers are highlighted in yellow.

2a. Hover over the red comment symbol in the corner of the cell that refers to the destination of the contractor cost.
3. In 2006 TEC added pad site preparation cost, a contractor cost.


High Density - 176 Lots - Underground Material List
This worksheet lists the totals for major materials to be listed on the associated work request print as requested by the PSC.

750 Total Connected KVA<br>804 Total peak demand KVA<br>025 kVA Transformers<br>2037.5 kVA Transformers<br>050 kVA Transformers<br>075 kVA Transformers<br>5655 Trench Feet of 1/0 AL Primary Cable<br>0 Existing trench feet of $1 / 0$ AL Primary Cable<br>0 Trench Feet of $2 / 0$ AL Secondary Cable<br>0 Existing trench feet of 2/0 AL Secondary Cable<br>1301 Trench Feet of 4/0 AL Secondary Cable<br>200 Existing trench feet of 4/0 AL Secondary Cable<br>Trench Feet of 500 MCM AL Secondary Cable<br>0 Existing trench feet of 500 MCM AL Secondary Cable<br>9044 Trench Feet of 2/0 AL Service Cable<br>4464 Existing trench feet of 2/0 AL Service Cable<br>0 Trench Feet of 4/0 AL Service Cable<br>0 Existing trench feet of $4 / 0$ AL Service Cable<br>0 Load Break Cabinet

Notes:

1. 1250 SF Homes
2. 2.5 Ton AC Units
3. 40 ' Service run from property corner to meter location
4. Voltage drop less than or equal to 12.0 volts
5. Voltage flicker less than or equal to 12.0 volts

High Density - 176 Lots - Underground Material CU List
This worksheet summarizes the entries from the other worksheets (from PoleAveA through PoleOakHill) and provides the Contractor Labor worksheet with input totals to calculate contractor costs.

| Station | All Stations - This information is used to create Work Requests to obtain costs. Transfer the values from Qty and CU columns highlighted in yellow to the WorkPro Work Requests to obtain costs. Those costs are then entered into the HDdifferential.xls workbook to calculate the High Density Differential cost.$\square$ $<===$ Blue shading indicates fields to be updated. |  |  |
| :---: | :---: | :---: | :---: |
|  | Work Reques Number 925091 | Transformer Ma |  |
|  |  | 925091 |  |
| Qty | CU | Definition | Total Connected KVA |
|  | 0 pku51a3n | 25 kva, 6 tap 250mcm |  |
|  | 0 pku51c3n | 25 kva, 8 tap 250mcm | 0 |
|  | 0 pku51a4n | 37.5 kva, 6 tap 250mcm | 0 |
|  | 0 pku51b4n | 37.5 kva, 6 tap 500 mcm | 0 |
|  | 0 pku51c4n | 37.5 kva, 8 tap 250 mcm | 0 |
|  | pku51d4n | 37.5 kva, 8 tap 500mcm | 750 |
|  | 0 pku51a5n | $50 \mathrm{kva}, 6$ tap 250 mcm | 750 |
|  | 0 pku51b5n | $50 \mathrm{kva}, 6$ tap 500 mcm | 750 |
|  | 0 pku51c5n | $50 \mathrm{kva}, 8 \mathrm{tap} 250 \mathrm{mcm}$ | 750 |
|  | 0 pku51d5n | $50 \mathrm{kva}, 8 \mathrm{tap} 500 \mathrm{mcm}$ | 750 |
|  | 0 pku51a6n | 75 kva, 6 tap 250mcm | 750 |
|  | 0 pku51b6n | 75 kva, 6 tap 500mcm | 750 |
|  | 0 pku51c6n | $75 \mathrm{kva}, 8 \mathrm{tap} 250 \mathrm{mcm}$ | 750 |
|  | 0 pku51d6n | 75 kva, 8 tap 500mcm | 750 |
|  | 1 bushcover | Cover hot Tx bushing - at open position on loop tx, or at radial Tx Parking bushing at normal open tx in loop |  |
|  | 1 bushdummy |  |  |



| Work Request |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Number | Primary Cable |  |
| 925100 |  |  |  |
| Qty | CU | Definition |  |
|  | pku16wf | pothead, 38' 1c 1/0AL cable, 20' pvc, ground conn, wood pole | 76 |
|  | pku11f | safebreak, 5' 1c 1/0AL cable, ground conn | 200 |
|  | pku31p3 | switch cubicle(lbc) 1ph, 200a deadfront, 3 position w/pad, grnd |  |
|  | pku31p4 | switch cubicle(lbc) 1ph, 200a deadfront, 4 position w/pad, grnd |  |
|  | fault1pa | fault indicator, 1ph 1/0-4/0 above grade, 400a |  |
|  | CA1/0CN1CAL | cable, 1/0AL concentric neutral 15 kV includes labor - round up to | 6524.1 |
|  | wiu1f | labor to pull ug cable in conduit |  |


| Work Request |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Number |  | Primary Conduit - Material Only |  |  |
| 925098 |  | Material used by contractors to install the conduit system |  |  |
| Qty | CU | Definition |  |  |
| 20 | 5512000 | Conduit, galvanized 2", 10' with coupling, for up termina | pole |  |
| 5875 | 5522000 | 2 " conduit |  |  |
| 6095 | 5853530 | Pulling tape - actual length |  |  |
|  | 5512220 | 2" elbow 90 galv 9.5" radius |  |  |
|  | 5512210 | 2 " elbow 45 galv 9.5" radius |  |  |
|  | 5522180 | Coupling, 2" PVC (2 per elbow) |  |  |
|  | gluecondf | 2"\&3" pve 1 qt for 500' fast dry |  |  |
| Secondary Trenching - Labor Only - Done By Contractors |  |  |  |  |
| Used to determine contractor labor cost on the Contractor Labor worksheet |  |  |  |  |
| Qty | CU | Definition |  |  |
| 0 Trenching feet required for $2^{\prime \prime}$ secondary conduit |  |  |  |  |
| 0 Existing trench feet used for 2 " secondary conduit |  |  |  |  |
| 71 Trenching feet required for $3^{\prime \prime}$ secondary conduit |  |  |  |  |
| 200 Existing trench feet used for $3^{\prime \prime}$ secondary conduit |  |  |  |  |
| 1230 Trenching feet required for 4" secondary conduit |  |  |  |  |
| 0 Existing trench feet used for 4 " secondary conduit |  |  |  |  |
| 1501 Install Pulling Tape (blow in tape for pull - trench feet used to determine contractor cos |  |  |  |  |
| Number |  |  |  |  |
| 925103 |  | Secondary Cable \& Hand Holes |  |  |
| Qty | CU | Definition |  |  |
|  | wiu3sb | 2c 2/0 1c 1 neutral, 600 v - added 5\% here |  |  |
| 1691 | CA4/0INS3CAI | 2c 4/0 1c 2/0 neutral, 600v includes labor - added 5\% he | 2029.2 |  |
|  | wiu3sn | 2c 500 1c 350 neutral, 600v-added 5\% here |  |  |
|  | insbus350/4 | crab 4 position up to 350 mcm |  |  |
|  | insbus350/6 | crab 6 position up to 350 mcm |  |  |
|  | insbus500/4 | crab 4 position up to 500 mcm |  |  |
|  | insbus500/6 | crab 6 position up to 500 mcm |  |  |
|  | insbus500/8 | crab 8 position up to 500 mcm |  |  |
|  | wiu1f | labor to pull ug cable in conduit |  |  |
|  | svhottx | energize ug secondary in transformer |  |  |
|  | svhothh | energize ug secondary in hand hole |  |  |
|  | hhsec | secondary $\mathrm{h} / \mathrm{h} 12$ "x20", 3 or $42 / 0$ or $4 / 0 \mathrm{svc} \mathrm{w} / 2 / 0$ or $4 / 0$ |  |  |
| 22 HH LARGE PE secondary h/h 14"x18" large pedestal, 5 to $72 / 0$ or $4 / 0 \mathrm{svc} \mathrm{w} / 4 / 0$ or 500 sec (any time 500 u |  |  |  |  |


| Work Request |  |  |
| :---: | :---: | :---: |
| Number |  | Secondary Conduit - Material |
|  | 925104 | Material used by contractors to in |
| Qty | CU | Definition |
|  | 05522000 | 2 " conduit sched A bell end |
|  | 15523000 | 3 " conduit sched $A$ bell end |
| 1410 | 05524000 | $4 "$ conduit sched A bell end |
| 1901 | 15853530 | Pulling tape, plus adding 5\% extra here |
|  | 05522220 | 2" elbow 90 PVC 9.5" radius |
|  | 05522210 | 2" elbow 45 PVC 9.5" radius |
|  | 85523220 | 3" elbow 90 PVC 13" radius |
|  | 05523210 | 3" elbow 45 PVC 13" radius |
|  | 65524220 | $4{ }^{\prime \prime}$ elbow 90 PVC 16" radius |
|  | 05514300 | 4 " elbow 90 galv 30 " radius |
|  | 05514210 | 4" elbow 45 galv 16" radius |
|  | 05522180 | Coupling, 2" PVC (2 per elbow) |
|  | 65523180 | Coupling, 3" PVC (2 per elbow) |
|  | 25524180 | Coupling, 4" PVC (2 per elbow) |
|  | 1 gluecondf | 2"\&3" pve 1 qt for 500' fast dry |
|  | 6 gluecondm | 4"\& 6" pvc 1 qt for 250' medium dry |


|  | Work Requ | Set Meter |
| :---: | :---: | :---: |
|  | Number |  |
|  | 925108 |  |
| Qty | CU | Definition |
| 176 meterlabor |  |  |
|  | 1900006 | meter, kwh 30a 240v |

## Service Trenching - Labor Only - Done By Contractors

Used to determine contractor labor cost on the Contractor Labor worksheet
Qty CU
176 Number of $2 / 0$ services

5280 Trenching feet for 2 " service conduit on private property-service contractor 1760 Trenching feet for 10 ' stub of 2 " service conduit installed by primary contractor 2004 Trenching feet for 2 " service conduit installed by primary contractor 4464 Existing trench feet used for 2" service conduit installed by primary contractor 8228 Install Pulling Tape for 2" conduit (blow in tape for pull - Primary Contractor)

0 Trenching feet for $3^{\prime \prime}$ service conduit on private property-service contractor
0 Trenching feet for $10^{\prime}$ stub of 3 " service conduit installed by primary contractor
0 Trenching feet for 3 " service conduit installed by primary contractor
0 Existing trench feet used for 3 " service conduit installed by primary contractor
0 Install Pulling Tape for 3 " conduit (blow in tape for pull - Primary Contractor)

| 13508 |
| :--- |
| 1760 Work Request |
| 15268 |

## Service Cable Material Only

Material used by contractors to install the conduit system

| Qty CU | Definition |  |
| :--- | :--- | ---: |
| 15268 wiu3sb | 2c 2/0 \& 1c 1 neutral, 600 v service cable | 16031.4 |
| 0 wiu3sc | 2c $4 / 0 \& 1 c 2 / 0$ neutral, 600 v service cable | 0 |


| Work Request |  |  |
| :---: | :---: | :---: |
| 15268 | Number | Service Conduit Material Only |
|  | 925110 | Material used by contractors to install the conduit system |
| Qty | CU | Definition |
| 5280 Conduit for 2" service on private property-service contractor |  |  |
| 3520 Conduit for 10' stub of 2" service installed by primary contractor |  |  |
| 6468 Conduit for 2" service installed by primary contractor |  |  |
| 11748 Pulling Tape installed in 2" conduit by Primary Contractor) |  |  |
| 15268 | 5522000 | Total 2" conduit for work order quantity |
| 448 | 5522220 | 2" elbow 90 PVC 9.5" radius |
| 0 | 5522210 | 2" elbow 45 PVC 9.5" radius |
| 176 | 5512260 | 2" galvanized Lock Nut |
| 176 | 5522030 | 2" Flexible PVC conduit |
| 176 | 5522050 | 2" PVC Adapter, male thread/female slip |
| 176 | 5512370 | 2" PVC Service Riser |
| 896 | 5522180 | Coupling, 2" PVC (2 per elbow) |
| 0 Conduit for 3 " service on private property-service contractor |  |  |
| 0 Conduit for 10' stub of 3" service installed by primary contractor |  |  |
| 0 Conduit for 3 " service installed by primary contractor |  |  |
| 0 Pulling Tape installed in 3" conduit by Primary Contractor) |  |  |
| 05523000 |  | Total 3" conduit for work order quantity |
| 05523220 |  | 3" elbow 90 PVC 13" radius |
| 05523210 |  | 3" elbow 45 PVC 13" radius |
| 05512770 |  | 2-1/2" house riser |
| 05523220 |  | 3" elbow 90 PVC 13" radius at house riser |
| 05512670 |  | 2-1/2" galvanized Lock Nut Used by contractors to install conduit system |
| 05523030 |  | 3" Flexible PVC conduit |
| 05521000 |  | 2-1/2"PVC Adapter, male thread/female slip |
| 05523180 |  | Coupling, 3" PVC (2 per elbow) |
| 31 gluecondf |  | 2"\&3" pvc 1 qt for 500' fast dry |
| 11748 | 5853530 | Total Pulling Tape installed in conduit by Primary Contractor) |

TAMPA ELEETRIE
Contact Name:
Tampa Electric

# Estimate Summary 

Design Number 1
Distribution Services HDUG Transformers

Printed Date: 3/11/2021
District: CSA
WR No. 925091
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDUG 1250 sq ft TRANSFORMERS

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 45,652.25$ | $\$ 0.00$ | $\$ 45,652.25$ |
| OVERHEAD: | $\$ 6,313.70$ | $\$ 0.00$ | $\$ 6,313.70$ |
|  | $\$ 51,965.95$ | $\$ 0.00$ | $\$ 51,965.95$ |
| LABOR HOURS: | 69.84 | 0 | 69.84 |
| LABOR COST: | $\$ 3,073.59$ | $\$ 0.00$ | $\$ 3,073.59$ |
| OVERHEAD: | $\$ 4,072.50$ | $\$ 0.00$ | $\$ 4,072.50$ |
|  | $\$ 7,146.09$ | $\$ 0.00$ | $\$ 7,146.09$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 59,112.04$ | $\$ 0.00$ | $\$ 59,112.04$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: |  |  | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 59,112.04$ |  | $\$ 0.00$ | $\$ 59,112.04$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

# Work Request Material Summary 

***Includes Truck Stock***

## Design Number 1

| Material Number |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 1 | 2004816 | BUSHING, PARKING, 15KV, INSULATED | \$38.70 | \$38.70 | N |
| 20 | 2077906 | CLAMP, GROUND ROD, F/U/W 1/2"ROD | \$1.80 | \$36.00 | N |
| 40 | 2078000 | CLAMP,GND,TRANSFORMER,\#10 SOL-\#1 STR CU | \$2.31 | \$92.40 | N |
| 2 | 2077931 | CONNECTOR, VICE CU \#2 STR | \$2.38 | \$4.76 | N |
| 1 | 2004817 | COVER, BUSHING 15 KV PDMT EQUIP W/FLEXIB | \$25.11 | \$25.11 | N |
| 20 | 2001315 | PAD, CONCRETE 40" X 45" X 4" 25-50KVA T | \$103.25 | \$2,065.00 | N |
| 20 | 2007395 | PADLOCK, RED BRASS BODY 1/4" BRASS SHACK | \$22.97 | \$459.40 | N |
| 20 | 2007489 | REPELLENT, FIRE ANT GRANULE 4 OZ BIFENTH | \$2.77 | \$55.40 | N |
| 40 | 2004031 | STUD, GALVANIZED, 11 THREAD PER INCH ALL | \$2.47 | \$98.80 | N |
| 9 | 2004948 | TERMINAL, SLIP FIT ALUMINUM STUD TYPE, 6 | \$7.54 | \$67.86 | N |
| 6 | 2004954 | TERMINAL, SLIP FIT ALUMINUM STUD TYPE, 6 | \$16.58 | \$99.48 | N |
| 45 | 2004950 | TERMINAL, SLIP FIT ALUMINUM STUD TYPE, 8 | \$8.28 | \$372.60 | N |
| 20 | 2001519 | TX,PM,LP,1P, $37.5 \mathrm{kVA}, 240 / 120, F R 3, S S$ | \$2,108.00 | \$42,160.00 | Y |
| 120 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | \$0.63 | \$75.60 | N |
| 3 | 2078011 | WIRE, COPPER, TIE, \#6 SOLID SOFT DRAWN | \$0.38 | \$1.14 | N |
|  |  |  | Total | \$45,652.25 |  |

TAMPA ELEETRIC
Contact Name:

Estimate Summary
Design Number 1
Distribution Services HDUG GRD Transformers

Printed Date: 3/11/2021
District: CSA
WR No. 925095
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDUG 1250 sq ft GROUND TRANSFORMERS

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 1,384.40$ | $\$ 0.00$ | $\$ 1,384.40$ |
| OVERHEAD: | $\$ 191.46$ | $\$ 0.00$ | $\$ 191.46$ |
|  | $\$ 1,575.86$ | $\$ 0.00$ | $\$ 1,575.86$ |
| LABOR HOURS: | 32.5 | 0 | 32.5 |
| LABOR COST: | $\$ 1,430.74$ | $\$ 0.00$ | $\$ 1,430.74$ |
| OVERHEAD: | $\$ 1,895.73$ | $\$ 0.00$ | $\$ 1,895.73$ |
|  | $\$ 3,326.47$ | $\$ 0.00$ | $\$ 3,326.47$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 4,902.33$ | $\$ 0.00$ | $\$ 4,902.33$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 4,902.33$ |  | $\$ 0.00$ | $\$ 4,902.33$ |

Work Request Material Summary
***Includes Truck Stock***
Design Number 1

| Material Number |  |  |  |  |  |  |  |  | Description | Unit Price | Total Cost Asset? |
| :---: | ---: | :--- | ---: | ---: | ---: | :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |  |  |  |  |  |  |
| 60 | 2077939 | COUPLER, GROUND ROD, F/U/W 1/2"ROD | $\$ 4.78$ | $\$ 286.80$ | N |  |  |  |  |  |  |
| 80 | 2077980 | ROD,GROUND,CU BONDED,1/2"X10',THREADLESS | $\$ 13.72$ | $\$ 1,097.60$ | N |  |  |  |  |  |  |

TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Distribution Services HDUG FRAME OH Takeoff

Printed Date: 3/11/2021
District: CSA
WR No. 925096
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDUG 1250 sq ft TAKEOFFS

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 609.22$ | $\$ 0.00$ | $\$ 609.22$ |
| OVERHEAD: | $\$ 84.24$ | $\$ 0.00$ | $\$ 84.24$ |
|  | $\$ 693.46$ | $\$ 0.00$ | $\$ 693.46$ |
| LABOR HOURS: | 8.4 | 0 | 8.4 |
| LABOR COST: | $\$ 369.74$ | $\$ 0.00$ | $\$ 369.74$ |
| OVERHEAD: | $\$ 489.92$ | $\$ 0.00$ | $\$ 89.92$ |
|  | $\$ 859.66$ | $\$ 0.00$ | $\$ 859.66$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 1,553.12$ | $\$ 0.00$ | $\$ 1,553.12$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: |  |  | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |
| :---: | :---: | :---: | :---: |
| LABOR COST: | \$0.00 | \$0.00 | \$0.00 |
| OVERHEAD: | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 |
| VEHICLE: | \$0.00 | \$0.00 | \$0.00 |
| CONTRACTOR: | \$0.00 | \$0.00 | \$0.00 |
| ADDITIONAL ITEMS: | \$0.00 | \$0.00 | \$0.00 |
| SUBTOTAL: | \$0.00 | \$0.00 | \$0.00 |
| TOTALS: | \$1,553.12 | \$0.00 | \$1,553.12 |

# Work Request Material Summary <br> ***Includes Truck Stock*** 

## Design Number 1

| Material Number Description |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 2 | 2003651 | ARRESTER, LIGHTNING DISTRIBUTION CLASS 8 | \$41.28 | \$82.56 | Y |
| 2 | 2077754 | BOLT, MACHINE 5/8" $\times 10{ }^{\prime \prime}$, GALV. FULL | \$1.04 | \$2.08 | N |
| 2 | 2131366 | BRACKET, FG, 1 PH, 1 POS, 18" | \$30.03 | \$60.06 | N |
| 2 | 2077906 | CLAMP, GROUND ROD, F/U/W 1/2"ROD | \$1.80 | \$3.60 | N |
| 2 | 2077911 | CLAMP, HOT LINE CU TO CU \#6 SOL- 2 STR T | \$5.73 | \$11.46 | N |
| 80 | 2078012 | CONDUCTOR, COPPERCLAD, 3 STR. \#9, DSA 30 | \$0.84 | \$67.20 | N |
| 6 | 2004187 | CONDUCTOR,BARE,\#2 CU,7-STR,SOFT-DRAWN | \$0.98 | \$5.88 | N |
| 2 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR 2/0 | \$0.66 | \$1.32 | N |
| 4 | 2077930 | CONNECTOR, VICE CU \#4 STR | \$1.91 | \$7.64 | N |
| 0 | 2077939 | COUPLER, GROUND ROD, F/U/W 1/2"ROD | \$4.78 | \$0.00 | N |
| 2 | 2003846 | CUTOUT, 15KV, 100A FUSE HLDR, 300A UNVRS | \$70.74 | \$141.48 | Y |
| 2 | 2077794 | FUSE LINK, 103A UNVRSL 100A CUTOUT 23" O | \$24.29 | \$48.58 | N |
| 2 | 2077822 | KIT, ATTACHMENT, FOR ATTACHING "FLYING" | \$63.00 | \$126.00 | N |
| 4 | 2077965 | MOULDING, GROUND WIRE, PVC 1/2 IN X 8 FT | \$1.74 | \$6.96 | N |
| 0 | 2077980 | ROD,GROUND,CU BONDED,1/2"X10',THREADLESS | \$13.72 | \$0.00 | N |
| 2 | 2077789 | SCREW, LAG PILOT POINT $3 / 8 \times 3$ | \$0.27 | \$0.54 | N |
| 20 | 2077997 | STAPLE, SECURES 1/2" PVC MOULDING TO WOO | \$0.27 | \$5.40 | N |
| 2 | 2077828 | STIRRUP, AL BODY \& CU BAIL 1/0-397 | \$17.19 | \$34.38 | N |
| 2 | 2078006 | WASHER, FLAT, GALVANIZED, 2" $\times 2$ " $\times 1 / 8{ }^{\prime \prime}$ | \$0.24 | \$0.48 | N |
| 2 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | \$0.63 | \$1.32 | N |
| 6 | 2078011 | WIRE, COPPER, TIE, \#6 SOLID SOFT DRAWN | \$0.38 | \$2.28 | N |
|  |  |  | Total | \$609.22 |  |

TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Dist Svcs HDUG GRD takeoff POLE

Printed Date: 3/11/2021
District: CSA
WR No. 925097
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDUG 1250 sq ft GROUND TAKEOFFS

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :---: | :---: | :---: | :---: |
| MATERIAL: | \$138.44 | \$0.00 | \$138.44 |
| OVERHEAD: | \$19.15 | \$0.00 | \$19.15 |
|  | \$157.59 | \$0.00 | \$157.59 |
| LABOR HOURS: | 3.75 | 0 | 3.75 |
| LABOR COST: | \$165.26 | \$0.00 | \$165.26 |
| OVERHEAD: | \$218.97 | \$0.00 | \$218.97 |
|  | \$384.23 | \$0.00 | \$384.23 |
| VEHICLE: | \$0.00 | \$0.00 | \$0.00 |
| CONTRACTOR: | \$0.00 | \$0.00 | \$0.00 |
| ADDITIONAL ITEMS: | \$0.00 | \$0.00 | \$0.00 |
| SUBTOTAL: | \$541.82 | \$0.00 | \$541.82 |
| REMOVAL: |  |  |  |
| MATERIAL: | \$0.00 | \$0.00 | \$0.00 |
| OVERHEAD: | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | \$0.00 | \$0.00 | \$0.00 |
| OVERHEAD: | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 |
| VEHICLE: | \$0.00 | \$0.00 | \$0.00 |
| CONTRACTOR: | \$0.00 | \$0.00 | \$0.00 |
| ADDITIONAL ITEMS: | \$0.00 | \$0.00 | \$0.00 |
| SUBTOTAL: | \$0.00 | \$0.00 | \$0.00 |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 541.82$ |  | $\$ 0.00$ | $\$ 541.82$ |

Work Request Material Summary
***Includes Truck Stock***
Design Number 1
Page 1 of 1

| Material Number |  |  |  | Description | Unit Price | Total Cost Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |  |
|  | 6 | 2077939 | COUPLER, GROUND ROD, F/U/W 1/2"ROD | $\$ 4.78$ | $\$ 28.68$ | N |
| 8 | 2077980 | ROD,GROUND,CU BONDED,1/2"X10',THREADLESS | $\$ 13.72$ | $\$ 109.76$ | N |  |

TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Distribution Engineering HDUG Pri Conduit Material

Printed Date: 3/11/2021
District: CSA
WR No. 925098
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDUG 1250 sq ft PRIMARY CONDUIT

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 8,360.08$ | $\$ 0.00$ | $\$ 8,360.08$ |
| OVERHEAD: | $\$ 1,156.20$ | $\$ 0.00$ | $\$ 1,156.20$ |
|  | $\$ 9,516.28$ | $\$ 0.00$ | $\$ 9,516.28$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.05$ | $\$ 0.00$ | $\$ 0.05$ |
| OVERHEAD: | $\$ 0.07$ | $\$ 0.00$ | $\$ 0.07$ |
|  | $\$ 0.12$ | $\$ 0.00$ | $\$ 0.12$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 9,516.40$ | $\$ 0.00$ | $\$ 9,516.40$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 9,516.40$ |  | $\$ 0.00$ |  |
| TOTALS: |  |  |  |  |

Work Request Material Summary
***Includes Truck Stock***
Design Number 1

| Material Number Descriptio |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 12 | 2007227 | CEMENT, PVC CLEAR FAST DRY QUART W/DAUBE | \$6.22 | \$74.64 | N |
| 20 | 2004389 | CONDUIT, GALVANIZED 2 IN 10 FT WITH COUP | \$6.78 | \$135.60 | Y |
| 5935 | 2004488 | CONDUIT, PVC 2 IN 20 FT BELL END | \$1.03 | \$6,113.05 | Y |
| 108 | 2004507 | COUPLING, PVC 2 IN SCH 40 TEMS 13.01 | \$0.60 | \$64.80 | N |
| 46 | 2004395 | ELBOW, 2" 90 DEGREE ,GALVANIZED, 24" MIN | \$34.29 | \$1,577.34 | N |
| 8 | 2004394 | ELBOW, GALV 2 INCH 45 DEG THD 15" RADIUS | \$26.25 | \$210.00 | N |
| 6155 | 2007414 | TAPE, PULLING, POLYSTER, RATED AT 1250\#, | \$0.03 | \$184.65 | N |
|  |  |  | Total | \$8,360.08 |  |

TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Dist Svcs HDUG PRIMARY

Printed Date: 3/11/2021
District: CSA
WR No. 925100
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDUG 1250 sq ft PRIMARY CABLE

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 15,227.81$ | $\$ 0.00$ | $\$ 15,227.81$ |
| OVERHEAD: | $\$ 2,106.01$ | $\$ 0.00$ | $\$ 2,106.01$ |
|  | $\$ 17,333.82$ | $\$ 0.00$ | $\$ 17,333.82$ |
| LABOR HOURS: | 115.14 | 0 | 115.14 |
| LABOR COST: | $\$ 5,068.62$ | $\$ 0.00$ | $\$ 5,068.62$ |
| OVERHEAD: | $\$ 6,715.92$ | $\$ 0.00$ | $\$ 6,715.92$ |
|  | $\$ 11,784.54$ | $\$ 0.00$ | $\$ 11,784.54$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 29,118.36$ | $\$ 0.00$ | $\$ 29,118.36$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 29,118.36$ |  | $\$ 0.00$ | $\$ 29,118.36$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

# Work Request Material Summary 

***Includes Truck Stock***

## Design Number 1

| Material Number |  | Description | Unit Price | Total Cost Asset? |
| ---: | ---: | ---: | ---: | ---: |
| INSTALL |  |  |  |  |
| 6304 | 2004343 | CABLE, ALUMINUM, 15KV, 1/C, 1/0 AWG SOLI | $\$ 2.08$ | $\$ 13,112.53$ |
| 2 | 2004514 | CAP, CONDUIT 2" | Y |  |
| 2 | 2004453 | CAP, END CABLE 600 V CABLE RANGE .940 - | $\$ 12.21$ | $\$ 24.42$ |
| 2 | 2003752 | CLAMP, CONDUIT GROUND 1-1/4 IN - 2 IN CO | N |  |
| 0 | 2004488 | CONDUIT, PVC 2 IN 20 FT BELL END | $\$ 1.96$ | $\$ 3.92$ |
| 2 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR 2/0 | N |  |
| 44 | 2077931 | CONNECTOR, VICE CU \#2 STR | $\$ 7.92$ | $\$ 15.84$ |
| 40 | 2004642 | KIT, SEALING, CABLE ACCESSORY, 1/0 - 4/0 | $\$ 0.66$ | $\$ 0.00$ |
| 8 | 2004403 | STRAP, GALV 2 IN 2 HOLE | $\$ 1.32$ | N |
| 40 | 2004883 | TERMINATOR, LOADBREAK 200 AMP, 1/0 SOL | $\$ 2.38$ | $\$ 104.72$ |
| 2 | 2004633 | TERMINATOR, POTHEAD 15KV OUTDOOR 1/0 JCN | N |  |
| 4 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | $\$ 9.46$ | $\$ 378.40$ |
|  |  |  | $\$ 0.28$ | $\$ 2.24$ |
| N | N |  |  |  |

Estimate Summary
Design Number 1
Dist Svcs HDUG SECONDARY

Printed Date: 3/11/2021
District: CSA
WR No. 925103
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDUG 1250 sq ft SECONDARY CABLE

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 8,598.95$ | $\$ 0.00$ | $\$ 8,598.95$ |
| OVERHEAD: | $\$ 1,189.23$ | $\$ 0.00$ | $\$ 1,189.23$ |
|  | $\$ 9,788.18$ | $\$ 0.00$ | $\$ 9,788.18$ |
| LABOR HOURS: | 146.42 | 0 | 146.42 |
| LABOR COST: | $\$ 6,445.28$ | $\$ 0.00$ | $\$ 6,445.28$ |
| OVERHEAD: | $\$ 8,540.02$ | $\$ 0.00$ | $\$ 8,540.02$ |
|  | $\$ 14,985.30$ | $\$ 0.00$ | $\$ 14,985.30$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 24,773.48$ | $\$ 0.00$ | $\$ 24,773.48$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 24,773.48$ |  | $\$ 0.00$ | $\$ 24,773.48$ |

# Work Request Material Summary 

***Includes Truck Stock***
Design Number 1

Dist:CSA
WR No. 925103
Page 1 of 1

| Material Number |  |  |  | Description |
| ---: | ---: | ---: | ---: | ---: |
| INSTALL |  |  | Unit Price | Total Cost Asset? |
| 2029 | 2004354 | CABLE, SWEETBRIAR, AL,UG,600V,2/C,4/0 AW |  |  |
| 45 | 2005022 | CONNECTOR, 600V URD, 6 POSITION, CONDUCT | $\$ 1.39$ | $\$ 2,820.59$ |
| 12 | 2005025 | CONNECTOR, 600V, URD, 8 POSITION, CONDUC | Y |  |
| 22 | 2000241 | DECAL,WARNING,NOTICE,CLEARANCE,10" X7" | $\$ 30.35$ | $\$ 364.20$ |
| 22 | 2004714 | HANDHOLE, ABOVE GRADE, LARGE DOME | N |  |
| 22 | 2005212 | MARKER, CURB LEXAN .040 THICK, ROUND 2.5 | $\$ 3.56$ | $\$ 78.32$ |
| 22 | 2007395 | PADLOCK, RED BRASS BODY 1/4" BRASS SHACK | N |  |
|  |  |  | $\$ 186.22$ | $\$ 4,096.84$ |
| N |  |  |  |  |

TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Dist Svcs HDUG SEC CONDUIT

Printed Date: 3/11/2021
District: CSA
WR No. 925104
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDUG 1250 sq ft SECONDARY CONDUIT

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 5,153.37$ | $\$ 0.00$ | $\$ 5,153.37$ |
| OVERHEAD: | $\$ 712.71$ | $\$ 0.00$ | $\$ 712.71$ |
|  | $\$ 5,866.08$ | $\$ 0.00$ | $\$ 5,866.08$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.03$ | $\$ 0.00$ | $\$ 0.03$ |
| OVERHEAD: | $\$ 0.05$ | $\$ 0.00$ | $\$ 0.05$ |
|  | $\$ 0.08$ | $\$ 0.00$ | $\$ 0.08$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 5,866.16$ | $\$ 0.00$ | $\$ 5,866.16$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 5,866.16$ |  | $\$ 0.00$ | $\$ 5,866.16$ |

Work Request Material Summary
***Includes Truck Stock***

## Design Number 1

Dist:CSA
WR No. 925104
Page 1 of 1

## INSTALL

| 1 | 2007227 | CEMENT, PVC CLEAR FAST DRY QUART W/DAUBE | $\$ 6.22$ | $\$ 6.22$ | N |
| ---: | ---: | :--- | ---: | ---: | :---: |
| 6 | 2007228 | CEMENT, PVC GRAY MEDIUM DRY QUART W/DAUB | $\$ 7.27$ | $\$ 43.62$ | N |
| 291 | 2004517 | CONDUIT, PVC P \& C 3 IN 20 FT | $\$ 1.70$ | $\$ 494.70$ | Y |
| 1410 | 2004529 | CONDUIT, PVC, 4" X 20', DB-60-TC-6 | $\$ 2.78$ | $\$ 3,919.80$ | Y |
| 16 | 2004521 | COUPLING, PVC 3 IN SCH 40 TEMS 13.01 | $\$ 2.95$ | $\$ 47.20$ | N |
| 72 | 2004535 | COUPLING, PVC 4 IN SCH 40 TEMS 13.01 | $\$ 4.28$ | $\$ 308.16$ | N |
| 8 | 2004524 | ELBOW, PVC 3 IN 90 DEG 13 IN RAD SCH 40 | $\$ 4.52$ | $\$ 36.16$ | N |
| 36 | 2004538 | ELBOW, PVC 4", 90 DEG., 16" RADIUS, SCHE | $\$ 6.68$ | $\$ 240.48$ | N |
| 1901 | 2007414 | TAPE, PULLING, POLYSTER, RATED AT 1250\#, | $\$ 0.03$ | $\$ 57.03$ | N |

TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Dist Svcs HDUG SERVICE CABLE

Printed Date: 3/11/2021
District: CSA
WR No. 925106
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDUG 1250 sq ft SERVICE CABLE

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :---: | :---: | :---: | :---: |
| MATERIAL: | \$16,257.47 | \$0.00 | \$16,257.47 |
| OVERHEAD: | \$2,248.40 | \$0.00 | \$2,248.40 |
|  | \$18,505.87 | \$0.00 | \$18,505.87 |
| LABOR HOURS: | 1.53 | 0 | 1.53 |
| LABOR COST: | \$67.48 | \$0.00 | \$67.48 |
| OVERHEAD: | \$89.41 | \$0.00 | \$89.41 |
|  | \$156.89 | \$0.00 | \$156.89 |
| VEHICLE: | \$0.00 | \$0.00 | \$0.00 |
| CONTRACTOR: | \$0.00 | \$0.00 | \$0.00 |
| ADDITIONAL ITEMS: | \$0.00 | \$0.00 | \$0.00 |
| SUBTOTAL: | \$18,662.76 | \$0.00 | \$18,662.76 |
| REMOVAL: |  |  |  |
| MATERIAL: | \$0.00 | \$0.00 | \$0.00 |
| OVERHEAD: | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | \$0.00 | \$0.00 | \$0.00 |
| OVERHEAD: | \$0.00 | \$0.00 | \$0.00 |
|  | \$0.00 | \$0.00 | \$0.00 |
| VEHICLE: | \$0.00 | \$0.00 | \$0.00 |
| CONTRACTOR: | \$0.00 | \$0.00 | \$0.00 |
| ADDITIONAL ITEMS: | \$0.00 | \$0.00 | \$0.00 |
| SUBTOTAL: | \$0.00 | \$0.00 | \$0.00 |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
| TOTALS: | $\$ 18,662.76$ |  | $\$ 0.00$ | $\$ 18,662.76$ |

TAMPA ELEETRIE

Work Request Material Summary
***Includes Truck Stock***
Design Number 1

Description

CABLE, CONVERSE, AL, UG, 600V, 2/C, 2/0,

Dist: CSA
WR No. 925106
Page 1 of 1

## INSTALL

160972004351 CABLE, CONVERSE, AL, UG, 600V, 2/C, 2/0, $\quad$| $\$ 1.01$ | $\$ 16,257.47$ |
| :---: | :---: |
| Total | $\$ 16,257.47$ |

TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Dist Svcs HDUG SET METERS

Printed Date: 3/11/2021
District: CSA
WR No. 925108
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDUG 1250 sq ft METERS

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 35.27 | 0 | 35.27 |
| LABOR COST: | $\$ 1,552.59$ | $\$ 0.00$ | $\$ 1,552.59$ |
| OVERHEAD: | $\$ 2,057.18$ | $\$ 0.00$ | $\$ 2,057.18$ |
|  | $\$ 3,609.77$ | $\$ 0.00$ | $\$ 3,609.77$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 3,609.77$ | $\$ 0.00$ | $\$ 3,609.77$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: |  |  | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 3,609.77$ |  | $\$ 0.00$ |  |
| TOTALS: |  |  |  |  |

TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Dist Svcs
HDUG SERVICE CONDUIT

Printed Date: 3/11/2021
District: CSA
WR No. 925110
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDUG 1250 sq ft SERVICE CONDUIT

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 18,669.34$ | $\$ 0.00$ | $\$ 18,669.34$ |
| OVERHEAD: | $\$ 2,581.97$ | $\$ 0.00$ | $\$ 2,581.97$ |
|  | $\$ 21,251.31$ | $\$ 0.00$ | $\$ 21,251.31$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.13$ | $\$ 0.00$ | $\$ 0.13$ |
| OVERHEAD: | $\$ 0.19$ | $\$ 0.00$ | $\$ 0.19$ |
|  | $\$ 0.32$ | $\$ 0.00$ | $\$ 0.32$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 21,251.63$ | $\$ 0.00$ | $\$ 21,251.63$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 21,251.63$ |  | $\$ 0.00$ | $\$ 21,251.63$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

Work Request Material Summary
***Includes Truck Stock***

## Design Number 1

Dist:CSA
WR No. 925110
Page 1 of 1

| Material Number Description |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 176 | 2004493 | ADAPTOR, 2" PVC, FEMALE SLIP TO MALE THR | \$0.40 | \$70.40 | N |
| 31 | 2007227 | CEMENT, PVC CLEAR FAST DRY QUART W/DAUBE | \$6.22 | \$192.82 | N |
| 15330 | 2004488 | CONDUIT, PVC 2 IN 20 FT BELL END | \$1.03 | \$15,789.90 | Y |
| 176 | 2004491 | CONDUIT, PVC 2 IN 250 FT ROLL FLEXIBLE | \$1.13 | \$198.88 | N |
| 176 | 2004401 | CONDUIT, SERVICE RISER, PVC, 2" | \$4.92 | \$865.92 | N |
| 896 | 2004507 | COUPLING, PVC 2 IN SCH 40 TEMS 13.01 | \$0.60 | \$537.60 | N |
| 448 | 2004511 | ELBOW, CONDUIT PVC 2 IN SCH 4090 DEG 9- | \$1.26 | \$564.48 | N |
| 176 | 2004396 | NUT, LOCK GALV 2 IN | \$0.54 | \$95.04 | N |
| 11810 | 2007414 | TAPE, PULLING, POLYSTER, RATED AT 1250\#, | \$0.03 | \$354.30 | N |
|  |  |  | Total | \$18,669.34 |  |



OH Construction Cost Data Summary
High Density (176-Lot) OH Subdivision Costs

| Line \# | $\underbrace{\text { Work Type/WR \# }}_{\text {A }}$ | B Description | $\begin{gathered} C \\ (D+M) \\ \text { Material and } \\ \text { Handling } \\ \hline \hline \end{gathered}$ | D Material | $\begin{gathered} E \\ (F+L) \\ \text { Total Labor } \\ \text { Plus Vehicles } \\ \hline \hline \end{gathered}$ | $\begin{gathered} \mathrm{F} \\ (\mathrm{G}+\mathrm{H}+\mathrm{I}) \\ \text { Total Labor } \end{gathered}$ | G <br> Base <br> Labor | $\begin{gathered} \mathrm{H} \\ (\mathrm{G} \times \mathrm{J} \times \mathrm{TLF}) \\ \text { Operations Labor } \\ \text { Overheads } \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { I } \\ \text { (G×K×CLF) } \\ \text { Contract Labor } \\ \text { Overheads } \\ \hline \hline \end{gathered}$ | J <br> TEC <br> Work \% | K <br> Contractor Work \% | L Vehicle | M <br> (D $\times$ MHR) <br> Material <br> Handling | $\begin{gathered} \mathrm{N} \\ (\mathrm{C}+\mathrm{E}) \\ \text { Total } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Transformers |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 925111 | Install \& Ground Transformers | 31,143.07 | 27,751.80 | 12,366.93 | 11,060.26 | 6,439.97 | 4,103.55 | 516.74 | 60\% | 40\% | \$1,306.67 | 3,391.27 | 43,510.00 |
| 4 | Primary |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | 925112 | Install Primary Line | 2,544.16 | 2,267.12 | 6,190.06 | 5,536.03 | 3,223.42 | 2,053.96 | 258.65 | 60\% | 40\% | \$654.03 | 277.04 | 8,734.22 |
| 6 |  | includes Grounding Primary Takeoffs |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | Poles |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | 925113 | Install Poles and Guy Stubs | 22,510.66 | 20,059.40 | 36,177.05 | 32,354.65 | 18,838.88 | 12,004.13 | 1,511.63 | 60\% | 40\% | \$3,822.41 | 2,451.26 | 58,687.71 |
| 9 |  | Includes Haul Poles Out |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | Secondary |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | 925114 | Install Secondary Cable | 12,719.79 | 11,334.69 | 18,719.51 | 16,741.64 | 9,748.02 | 6,211.44 | 782.18 | 60\% | 40\% | \$1,977.87 | 1,385.10 | 31,439.30 |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | Services |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | 927142 | Install Service Cable | 10,342.22 | 9,216.02 | 12,847.44 | 11,490.00 | 6,690.19 | 4,262.99 | 536.82 | 60\% | 40\% | \$1,357.44 | 1,126.20 | 23,189.66 |
| 15 | 927163 | Install Meters | 17,751.95 | \$15,818.88 | 3,314.51 | 2,666.48 | 1,552.59 | 989.31 | 124.58 | 60\% | 40\% | 648.03 | 1,933.07 | 21,066.46 |
| 16 |  |  | 28,094.16 | 25,034.90 | 16,161.95 | 14,156.48 | 8,242.78 | 5,252.30 | 661.40 |  |  | 2,005.47 | 3,059.26 | 44,256.11 |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $18$ | Engineering | Design/Inspection/Coordination | - | - | 10,785.62 |  | - | - | - | 100\% | 0\% |  | - | 10,785.62 |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 | Tree Trim |  | - | - | - | - | - | - | - |  |  | - | - | - |
| 21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 | Totals (Sum of lines 2 | , $5,8,11,16,18$, and 20) | 97,011.84 | 86,447.91 | 100,401.14 | 79,849.06 | 46,493.07 | 29,625.38 | 3,730.60 |  |  | 9,766.45 | 10,563.93 | 197,412.98 |
| 23 | Cost "Per Lot" (Line 3 | (176 lots) | 551.20 |  | 570.46 |  |  |  |  |  |  |  |  | 1,121.66 |


| Adjustment Factors |  |  |
| :--- | ---: | :--- |
| TEC Labor Overhead Factor (excludes engineering) | TLF $=$ | 1.062 |
| Contractor Labor Overhead Factor | CLF $=$ | 0.2006 |
| Current year material handling charge rate | MHR $=$ | 0.1222 |

High Density - 176 Lots - Overhead Material List
This worksheet lists the totals for major materials to be listed on the associated work request print as requested by the PSC.

737.5 Total Connected KVA<br>800 Total peak demand KVA<br>225 kVA Transformers<br>537.5 kVA Transformers<br>750 kVA Transformers<br>275 kVA Transformers<br>0100 kVA Transformers<br>6165 \#2AAAC Primary<br>44 Primary Poles<br>5155 2/0 AWG Triplex Secondary<br>0 4/0 AWG Triplex Secondary<br>225 \#2AAAC Secondary Neutral<br>965 2-2/0 \& 1-1/0 AL Triplex Service Drop (considered secondary)<br>0 2-4/0 \& 1-2/0 AL Triplex Service Drop (considered secondary)<br>19 Secondary Poles<br>8960 2-2/0 \& 1-1/0 AL Triplex Service Drop<br>0 2-4/0 \& 1-2/0 AL Triplex Service Drop

## Summary of assemblies (CU's) for High Density Overhead Design - March 2018

| Work Request \#1 | 925111 - Transformers (enter these Construction Units into WorkPro) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 25 KVA | 37.5 KVA | 50 KVA | 75 KVA | 100 KVA | Stirup | Spacer | Grounding |
| Assemblies $=$ | PKT11 W3F | PKT11W4F | PKT11 ${ }^{\text {SF }}$ | PKT11 W6F | PKT11W7F | ALSTRP1/0 | SEWC | GRDMEG1/2 |
| Total Quantities $\Rightarrow$ | 2 | 5 | 7 | 2 | 0 | 16 | 16 | 16 |


| Work Request \#2 | 925112 | - Primary |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#2 AAAC | ${ }^{1 s t s p a n}$ | Additional | ${ }^{1 \text { st span }}$ | Additional | Fused cutouts | DE \& TAP | Fuses | Grounding |
| Assemblies $=$ | WIOPA | WIO2F | W102A | WIOIF | wiola | PKP208WB3A | PKP101WA3A | FLOH103 | GRDMEG1/2 |
| Total Quantities $\Rightarrow$ | 6165 | 1 | 7 | 3 | 32 | 1 | 4 | 2 | 3 |


| Work Request \#3 | 925113 | Poles and Guys |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Should be $=$ | Pole haul | 28 Deadend | $2 \varnothing$ tangent | $2 \oplus$ Corner | 19 Deadend | 10 angle $<20$ | 19 angle $<20$ | $1 ¢$ Tangent | 10 angle $>20$ | 30 | Down guys | Pole hardware | Guy wire |
| Assemblies $\longrightarrow$ | POLE_haUL | STP402_DE_40C2 | STP103_TAN_40C2 | STP302_RC_40C2 | STP401_DE_40C2 | STP101_ANG_40C2 | STP101_ANG_45C2 | STP101_TAN_40C2 | STP301_RC_40C2 | STP104E4B | PKG12W2H | PKG31W1H | GUYSTR3/8 |
| Total Quantities $\Rightarrow$ | 44 | 1 | 6 | 1 | 4 | -5 - | -2 | 13 | 11 | 1 | 29 | 4 | 340 |


| Work Request \#4 | 925114 - Secondary - From Secondary\&Neutral worksheet |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 35' CL 4 | 0 | 2/0 | 4/0 | \#2 Neutral | Labor | Labor | Eyebolt | Eyenut | DE+Bolt |  | Pole hardware | Guy wire |
| Assemblies $\Longrightarrow$ | STS11C | POLE_HAUL | WIO3SB | wIO3SC | C2AAAC | WIOCF | WIOCA | SEWIDEN | SEGIDEN | PKSIIW | CABLEOPEN | PKG31W1H | GUYSTR3/8 |
| Total Quantities $\Rightarrow$ | 0 | 0 | 5155 | 0 | 225 | 6 | 37 | 2 | 2 | 8 | 14 | 8 | 565 |


| More of Work Request \#4 |  | - Secondary continued - From Secondary\&Neutral worksheet and SlackSecondary (service cable) \& Secondary Poles worksheet |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 35' Class 4 | Deadend | Clamp | 2/0 triplex | 4/0 triplex | 0 | Down guys | Pole hardware | Guy wire |
| Assemblies $\Longrightarrow$ | POLE_HAUL | STS11C | PKS21G | CLMIDSPAN | CA2/0TPX | CA4//TPX | SVLAbOR | PKG11W1H | PKG31W1H | GUYSTR3/8 |
| Total Quantities $\Rightarrow$ | 19 | 19 | 35 | 3 | 965 | 0 | 19 | 1 | 2 | 50 |


| Work Request \#5 | 927142 | - Services |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 2/0 triplex | 4/0 triplex | Clamp |  |
| Assemblies | CA2/0TPX | CA4/0TPX | CLMIDSPAN | SVLABOR |
| Quantities | 8960 | 0 | 26 | 0 |


| Work Request \#5 | 927163 |
| :--- | :--- |
| - Set Meter |  |
| Assemblies |  |
| Quantities | METERLABOR <br> 176 |

TAMPA ELEETRIE
Contact Name:
Tampa Electric

Estimate Summary
Design Number 1
Distribution Services HDOH TRANSFORMER

Printed Date: 3/11/2021
District: CSA
WR No. 925111
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDOH 1250 sq ft TRANSFORMERS

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 27,751.80$ | $\$ 0.00$ | $\$ 27,751.80$ |
| OVERHEAD: | $\$ 3,838.05$ | $\$ 0.00$ | $\$ 3,838.05$ |
|  | $\$ 31,589.85$ | $\$ 0.00$ | $\$ 31,589.85$ |
| LABOR HOURS: | 146.26 | 0 | 146.26 |
| LABOR COST: | $\$ 6,439.97$ | $\$ 0.00$ | $\$ 6,439.97$ |
| OVERHEAD: | $\$ 8,532.90$ | $\$ 0.00$ | $\$ 8,532.90$ |
|  | $\$ 14,972.87$ | $\$ 0.00$ | $\$ 14,972.87$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 46,562.72$ | $\$ 0.00$ | $\$ 46,562.72$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 46,562.72$ |  | $\$ 0.00$ | $\$ 46,562.72$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

| Material Number Description |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 16 | 2003646 | ARRESTER, DISTRIBUTION, 10KV, 8.4 KV MCOV | \$39.68 | \$634.88 | Y |
| 14 | 2077754 | BOLT, MACHINE 5/8" $\times 10 \mathrm{Cl}$, GALV. FULL | \$1.04 | \$14.56 | N |
| 32 | 2077755 | BOLT,MACHINE,SQ HEAD,5/8"X12",ONE SQ NUT | \$1.16 | \$37.12 | N |
| 16 | 2003690 | BRACKET, CUTOUT, ARRESTER \& POTHEAD DWG | \$7.22 | \$115.52 | N |
| 16 | 2004660 | BRACKET,"L" $5-5 / 8$ "IN LENGTH FOR MTG CUTO | \$10.41 | \$166.56 | N |
| 208 | 2004197 | CABLE, HANDCOIL, COPPER, $600 \mathrm{~V}, 2 / 0$ AWG, | \$2.32 | \$482.56 | N |
| 24 | 2004199 | CABLE, HANDCOIL, COPPER, $600 \mathrm{~V}, 4 / 0$ AWG, | \$3.75 | \$90.00 | N |
| 16 | 2077906 | CLAMP, GROUND ROD, F/U/W 1/2"ROD | \$1.80 | \$28.80 | N |
| 16 | 2077911 | CLAMP, HOT LINE CU TO CU \#6 SOL- 2 STR T | \$5.73 | \$91.68 | N |
| 32 | 2078000 | CLAMP,GND,TRANSFORMER,\#10 SOL-\#1 STR CU | \$2.31 | \$73.92 | N |
| 640 | 2078012 | CONDUCTOR, COPPERCLAD, 3 STR. \#9, DSA 30 | \$0.84 | \$537.60 | N |
| 4 | 2003528 | CONNECTOR, 2-BOLT AL MAIN 336-500MCM TAP | \$25.78 | \$103.12 | N |
| 42 | 2077839 | CONNECTOR, COMPRESSION H-BLOCK ACSR 1/0- | \$0.53 | \$22.26 | N |
| 16 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR 2/0 | \$0.66 | \$10.56 | N |
| 2 | 2077845 | CONNECTOR, COMPRESSION H-BLOCK ACSR 4/0 | \$0.68 | \$1.36 | N |
| 64 | 2077930 | CONNECTOR, VICE CU \#4 STR | \$1.91 | \$122.24 | N |
| 48 | 2077939 | COUPLER, GROUND ROD, F/U/W 1/2"ROD | \$4.78 | \$229.44 | N |
| 24 | 2003516 | COVER, SNAP-ON SQUEEZON CONNECTOR D DIE | \$0.39 | \$9.36 | N |
| 16 | 2003846 | CUTOUT, 15KV, 100A FUSE HLDR, 300A UNVRS | \$70.74 | \$1,131.84 | Y |
| 7 | 2077806 | FUSE LINK, 10A UNVRSL 100A CUTOUT 23" OA | \$3.91 | \$27.37 | N |
| 2 | 2077807 | FUSE LINK, 15A UNVRSL 100A CUTOUT 23" OA | \$3.93 | \$7.86 | N |
| 2 | 2077804 | FUSE LINK, 5A UNVRSL 100A CUTOUT 23" OAL | \$3.90 | \$7.80 | N |
| 5 | 2077805 | FUSE LINK, 7A UNVRSL 100A CUTOUT 23" OAL | \$3.89 | \$19.45 | N |
| 32 | 2077965 | MOULDING, GROUND WIRE, PVC $1 / 2$ IN X 8 FT | \$1.74 | \$55.68 | N |
| 16 | 2007368 | PROTECTOR, WILD LIFE, SLIP-ON TYPE | \$5.35 | \$85.60 | N |
| 64 | 2077980 | ROD,GROUND,CU BONDED, 1/2"X10',THREADLESS | \$13.72 | \$878.08 | N |
| 16 | 2077767 | ROLLED BOLT, DOUBLE-ARMING, 5/8"X 16" | \$2.65 | \$42.40 | N |
| 16 | 2077789 | SCREW, LAG PILOT POINT $3 / 8 \times 3$ | \$0.27 | \$4.32 | N |
| 16 | 2077812 | SPACER, CABLED SECONDARY | \$6.79 | \$108.64 | N |
| 140 | 2077997 | STAPLE, SECURES 1/2" PVC MOULDING TO WOO | \$0.27 | \$37.80 | N |
| 2 | 2001367 | TX,OH, 25 kVA,7.62/13.2Y,120/240,FR3 | \$1,046.46 | \$2,092.92 | Y |
| 5 | 2001368 | TX,OH, $37.5 \mathrm{kVA}, 7.62 / 13.2 \mathrm{Y}, 120 / 240, \mathrm{FR} 3$ | \$1,253.83 | \$6,269.15 | Y |
| 7 | 2001369 | TX,OH,50 kVA,7.62/13.2Y,120/240,FR3 | \$1,463.60 | \$10,245.20 | Y |
| 2 | 2001370 | TX,OH, 75 kVA,7.62/13.2Y,120/240,FR3 | \$1,924.56 | \$3,849.12 | Y |
| 80 | 2078006 | WASHER, FLAT, GALVANIZED, 2" $\times 2$ " X 1/8" | \$0.24 | \$19.20 | N |
| 48 | 2078014 | WIRE, ALUMINUM, TIE, \#4 BARE ANNEALED | \$0.11 | \$5.28 | N |
| 50 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | \$0.63 | \$31.75 | N |
| 160 | 2078011 | WIRE, COPPER, TIE, \#6 SOLID SOFT DRAWN | \$0.38 | \$60.80 | N |
|  |  |  | Total | \$27,751.80 |  |

Estimate Summary
Design Number 1
Distribution Services HDOH PRIMARY

Printed Date: 3/11/2021
District: CSA
WR No. 925112
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDOH 1250 sq ft PRIMARY

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 2,267.12$ | $\$ 0.00$ | $\$ 2,267.12$ |
| OVERHEAD: | $\$ 313.55$ | $\$ 0.00$ | $\$ 313.55$ |
|  | $\$ 2,580.67$ | $\$ 0.00$ | $\$ 2,580.67$ |
| LABOR HOURS: | 73.22 | 0 | 73.22 |
| LABOR COST: | $\$ 3,223.42$ | $\$ 0.00$ | $\$ 3,223.42$ |
| OVERHEAD: | $\$ 4,271.04$ | $\$ 0.00$ | $\$ 4,271.04$ |
|  | $\$ 7,494.46$ | $\$ 0.00$ | $\$ 7,494.46$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\underline{0.00}$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 10,075.13$ | $\$ 0.00$ | $\$ 10,075.13$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
| TOTALS: | $\$ 10,075.13$ |  | $\$ 0.00$ | $\$ 10,075.13$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

| Material Number Description |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 3 | 2003646 | ARRESTER, DISTRIBUTION, 10KV, 8.4 KV MCOV | \$39.68 | \$119.04 | Y |
| 2 | 2077738 | BOLT, 5/8" ${ }^{\text {P }} 8$ " EYE GALV RTS 12,400 LBS | \$2.99 | \$5.98 | N |
| 4 | 2077739 | BOLT, EYE, $5 / 8 \mathrm{IN}$. X 10 IN. , GALVANIZED | \$3.12 | \$12.48 | N |
| 2 | 2077744 | BOLT, MACHINE $1 / 2 \mathrm{INCH} \times 7 \mathrm{INCH}$ | \$0.92 | \$1.84 | N |
| 4 | 2077754 | BOLT, MACHINE 5/8" ${ }^{\text {X }} 10$ ", GALV. FULL | \$1.04 | \$4.16 | N |
| 1 | 2077756 | BOLT,MACHINE,SQ HEAD, $5 / 8$ "X14",ONE SQ NUT | \$1.29 | \$1.29 | N |
| 3 | 2003681 | BRACKET, "L", LIGHTNING ARRESTER 10 KV | \$7.95 | \$23.85 | N |
| 2 | 2004660 | BRACKET,"L" 5-5/8"IN LENGTH FOR MTG CUTO | \$10.41 | \$20.82 | N |
| 8 | 2077818 | CLAMP, DEADEND ACSR OR AAC \#2-4/00R .30- | \$9.12 | \$72.96 | N |
| 3 | 2077906 | CLAMP, GROUND ROD, F/U/W 1/2"ROD | \$1.80 | \$5.40 | N |
| 9 | 2077911 | CLAMP, HOT LINE CU TO CU \#6 SOL- 2 STR T | \$5.73 | \$51.57 | N |
| 3 | 2077813 | CLAMP, SLACK SPAN DEADEND \#2 ACSR - $2 / 0$ | \$10.09 | \$30.27 | N |
| 6473 | 2004331 | CONDUCTOR, BARE OVERHEAD, 2 AWG, AAAC, 7 | \$0.15 | \$971.00 | Y |
| 120 | 2078012 | CONDUCTOR, COPPERCLAD, 3 STR. \#9, DSA 30 | \$0.84 | \$100.80 | N |
| 11 | 2077838 | CONNECTOR, COMPRESSION H-BLOCK ACSR \#2-1 | \$0.41 | \$4.51 | N |
| 7 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR 2/0 | \$0.66 | \$4.62 | N |
| 6 | 2077930 | CONNECTOR, VICE CU \#4 STR | \$1.91 | \$11.46 | N |
| 9 | 2077939 | COUPLER, GROUND ROD, F/U/W 1/2"ROD | \$4.78 | \$43.02 | N |
| 1 | 2002955 | CROSSARM, 5' DEADEND COMPOSITE | \$116.70 | \$116.70 | N |
| 2 | 2003846 | CUTOUT, 15KV, 100A FUSE HLDR, 300A UNVRS | \$70.74 | \$141.48 | Y |
| 2 | 2077794 | FUSE LINK, 103A UNVRSL 100A CUTOUT 23" O | \$24.29 | \$48.58 | N |
| 1 | 2077954 | INSULATOR, PIN TYPE, 10KV, ANSI CLASS 55 | \$3.75 | \$3.75 | N |
| 2 | 2003882 | INSULATOR, POLYMER VERTICAL LINE POST 25 | \$50.80 | \$101.60 | N |
| 4 | 2077959 | INSULATOR, SUSPENSION, POLYMER, 25KV, AP | \$11.86 | \$47.44 | N |
| 6 | 2077965 | MOULDING, GROUND WIRE, PVC $1 / 2$ IN X 8 FT | \$1.74 | \$10.44 | N |
| 5 | 2077783 | NUT, EYE, STANDARD, 1-1/2" GALVANIZED Fo | \$1.51 | \$7.55 | N |
| 1 | 2077971 | PIN, CROSSARM 5/8" $\times 6$-1/2" BOLT, 1" LEA | \$5.16 | \$5.16 | N |
| 12 | 2077980 | ROD,GROUND,CU BONDED,1/2"X10',THREADLESS | \$13.72 | \$164.64 | N |
| 3 | 2077789 | SCREW, LAG PILOT POINT 3/8 $\times 3$ | \$0.27 | \$0.81 | N |
| 30 | 2077997 | STAPLE, SECURES 1/2" PVC MOULDING TO WOO | \$0.27 | \$8.10 | N |
| 2 | 2077828 | STIRRUP, AL BODY \& CU BAIL 1/0-397 | \$17.19 | \$34.38 | N |
| 7 | 2077826 | STIRRUP, AL BODY \& CU BAIL 2-4/0 | \$10.18 | \$71.26 | N |
| 2 | 2004029 | STUD-LINEPOST INSULATOR 3/4"X5/8 7"BOLT | \$4.09 | \$8.18 | N |
| 1 | 9999999 | USED AS A STOCK NUMBER PLACEHOLDER | \$0.00 | \$0.00 | N |
| 4 | 2078005 | WASHER, FLAT, GALVANIZED, 2 " $\times 2$ " $\times 1 / 8$ | \$0.23 | \$0.92 | N |
| 13 | 2078006 | WASHER, FLAT, GALVANIZED, $2^{\prime \prime} \times 2$ " $\times 1 / 8^{\prime \prime}$ | \$0.24 | \$3.12 | N |
| 2 | 2008135 | WASHER, LOCK T316SS 1/2 IN | \$0.18 | \$0.36 | N |
| 3 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | \$0.63 | \$1.89 | N |
| 15 | 2078011 | WIRE, COPPER, TIE, \#6 SOLID SOFT DRAWN | \$0.38 | \$5.70 | N |
|  |  |  | Total | \$2,267.12 |  |

Design Number 1
Distribution Services HDOH POLES

Printed Date: 3/11/2021
District: CSA
WR No. 925113
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDOH 1250 sq ft POLES

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 20,059.40$ | $\$ 0.00$ | $\$ 20,059.40$ |
| OVERHEAD: | $\$ 2,774.22$ | $\$ 0.00$ | $\$ 2,774.22$ |
|  | $\$ 22,833.62$ | $\$ 0.00$ | $\$ 22,833.62$ |
| LABOR HOURS: | 427.97 | 0 | 427.97 |
| LABOR COST: | $\$ 18,838.88$ | $\$ 0.00$ | $\$ 18,838.88$ |
| OVERHEAD: | $\$ 24,961.48$ | $\$ 0.00$ | $\$ 24,961.48$ |
|  | $\$ 43,800.36$ | $\$ 0.00$ | $\$ 43,800.36$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 66,633.98$ | $\$ 0.00$ | $\$ 66,633.98$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 66,633.98$ |  | $\$ 0.00$ | $\$ 66,633.98$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

| Material Number Description |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 29 | 2003632 | ANCHOR,SCRW GALV 10" WING 1-1/4" ROD 8" | \$48.15 | \$1,396.35 | N |
| 20 | 2077739 | BOLT, EYE, $5 / 8 \mathrm{IN} . \mathrm{X} 10 \mathrm{IN} ., \mathrm{GALVANIZED}$ | \$3.12 | \$62.40 | N |
| 62 | 2077764 | BOLT, MACHINE 3/4" X 12", GALV | \$2.41 | \$149.42 | N |
| 40 | 2077754 | BOLT, MACHINE 5/8" $\times 10^{\prime \prime}$, GALV. FULL | \$1.04 | \$41.60 | N |
| 19 | 2077753 | BOLT, MACHINE 5/8" $\times$ 8", GALV. | \$1.05 | \$19.95 | N |
| 1 | 2077780 | BOLT, SPOOL, 5/8" $\times 10$ ", GALV. SINGLE UP | \$4.16 | \$4.16 | N |
| 45 | 2077755 | BOLT,MACHINE,SQ HEAD,5/8"X12",ONE SQ NUT | \$1.16 | \$52.20 | N |
| 8 | 2003686 | BRACKET, FIBERGLASS STANDOFF VERTICAL24" | \$48.88 | \$391.04 | N |
| 7 | 2077818 | CLAMP, DEADEND ACSR OR AAC \#2-4/00R .30- | \$9.12 | \$63.84 | N |
| 13 | 2003508 | CLAMP, SUSPENSION ALANGLE RANGE . 50 TO | \$13.95 | \$181.35 | N |
| 19 | 2077924 | CLEVIS, STEEL LESS INSULATOR $5 / 8 \mathrm{IN}$ PIN | \$9.38 | \$178.22 | N |
| 105 | 2078012 | CONDUCTOR, COPPERCLAD, 3 STR. \#9, DSA 30 | \$0.84 | \$88.20 | N |
| 25 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR $2 / 0$ | \$0.66 | \$16.50 | N |
| 21 | 2077930 | CONNECTOR, VICE CU \#4 STR | \$1.91 | \$40.11 | N |
| 2 | 2077765 | DOUBLE-ARMING, GALVANIZED 5/8 "X 12" | \$2.35 | \$4.70 | N |
| 29 | 2003636 | EXTENSION ROD, ANCHOR 1-1/4 X 726 FT | \$50.54 | \$1,465.66 | N |
| 27 | 2077901 | FIBERGLASS RIDGE-PIN | \$28.87 | \$779.49 | N |
| 120 | 2077949 | GRIP,GUY,FORMED WIRE DEADEND,3/8"EHS | \$2.27 | \$272.40 | N |
| 22 | 2077862 | GUARD, LINE \#2 ACSR \& AAAC STR 6/1, 7 | \$1.95 | \$42.90 | N |
| 3 | 2077863 | GUARD, LINE 2/0 ACSR \& AAAC STR 6/1, 7 | \$2.68 | \$8.04 | N |
| 62 | 2077951 | HOOK, GUY | \$2.73 | \$169.26 | N |
| 35 | 2077954 | INSULATOR, PIN TYPE, 10KV, ANSI CLASS 55 | \$3.75 | \$131.25 | N |
| 1 | 2077952 | INSULATOR, SPOOL, ANSI CLASS 53-3, TRANS | \$1.21 | \$1.21 | N |
| 33 | 2077961 | INSULATOR, STRAIN FIBERGLASS 36 IN 15,00 | \$14.73 | \$486.09 | N |
| 19 | 2077959 | INSULATOR, SUSPENSION, POLYMER, 25KV, AP | \$11.86 | \$225.34 | N |
| 29 | 2077979 | MARKER, GUY WIRE PLASTIC 8' IN LENGTH CO | \$4.43 | \$128.47 | N |
| 42 | 2002857 | POLE, WOOD, 40FT CLASS 2, CCA TREATED | \$272.68 | \$11,452.56 | Y |
| 2 | 2002858 | POLE, WOOD, 45 FT CLASS 2, CCA TREATED. | \$323.31 | \$646.62 | Y |
| 23 | 2077767 | ROLLED BOLT, DOUBLE-ARMING, 5/8"X 16" | \$2.65 | \$60.95 | $N$ |
| 62 | 2077790 | SCREW, LAG 1/2" X 4", GALV., TWIST DRIVE | \$0.47 | \$29.14 | N |
| 48 | 2077812 | SPACER, CABLED SECONDARY | \$6.79 | \$325.92 | N |
| 7 | 2003612 | TIE, PREFORMED SIDE TIE \#2 ACSR OR \#2 A | \$2.64 | \$18.48 | N |
| 28 | 2003613 | TIE, TOP, FORMED WIRE \#2 ACSR OR \#2 AAAC | \$2.87 | \$80.36 | N |
| 62 | 2078002 | WASHER, CURVED, MALLEABLE, ${ }^{\prime \prime} \times$ X ${ }^{\prime \prime}$ | \$1.22 | \$75.64 | N |
| 156 | 2078006 | WASHER, FLAT, GALVANIZED, 2" $\times 2$ " $\times 1 / 8{ }^{\prime \prime}$ | \$0.24 | \$37.44 | N |
| 146 | 2078014 | WIRE, ALUMINUM, TIE, \#4 BARE ANNEALED | \$0.11 | \$16.06 | N |
| 2776 | 2005879 | WIRE,GUY,EHS STEEL,GALV,3/8",15.4K RBS | \$0.33 | \$916.08 | N |
|  |  |  | Total | \$20,059.40 |  |

TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Dist Eng
HDOH SECONDARY

Printed Date: 3/11/2021
District: CSA
WR No. 925114
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDOH 1250 sq ft SECONDARY

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 11,334.69$ | $\$ 0.00$ | $\$ 11,334.69$ |
| OVERHEAD: | $\$ 1,567.60$ | $\$ 0.00$ | $\$ 1,567.60$ |
|  | $\$ 12,902.29$ | $\$ 0.00$ | $\$ 12,902.29$ |
| LABOR HOURS: | 221.46 | 0 | 221.46 |
| LABOR COST: | $\$ 9,748.02$ | $\$ 0.00$ | $\$ 9,748.02$ |
| OVERHEAD: | $\$ 12,916.13$ | $\$ 0.00$ | $\$ 12,916.13$ |
|  | $\$ 22,664.15$ | $\$ 0.00$ | $\$ 22,664.15$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 35,566.44$ | $\$ 0.00$ | $\$ 35,566.44$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: |  | $\$ 0.00$ |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 35,566.44$ |  | $\$ 0.00$ | $\$ 35,566.44$ |

Work Request Material Summary
***Includes Truck Stock***

## Design Number 1

Dist:CSA
WR No. 925114
Page 1 of 1

| Material Number Description |  |  | Unit Price | Total Cost | Asset? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| INSTALL |  |  |  |  |  |
| 1 | 2003632 | ANCHOR,SCRW GALV 10" WING 1-1/4" ROD 8" | \$48.15 | \$48.15 | N |
| 10 | 2077739 | BOLT, EYE, $5 / 8 \mathrm{IN} . \mathrm{X} 10 \mathrm{IN}$. , GALVANIZED | \$3.12 | \$31.20 | N |
| 11 | 2077764 | BOLT, MACHINE 3/4" $\times 12{ }^{\prime \prime}$, GALV | \$2.41 | \$26.51 | N |
| 1 | 2077755 | BOLT,MACHINE,SQ HEAD,5/8"X12",ONE SQ NUT | \$1.16 | \$1.16 | N |
| 5413 | 2004338 | CABLE, OVERHEAD SECONDARY, TRIPLEX, $2 / 0$ | \$1.15 | \$6,224.72 | Y |
| 1013 | 2004364 | CABLE, SERVICE DROP AL 2-2/0 \& 1-1/0 NEU | \$0.96 | \$972.77 | Y |
| 43 | 2077818 | CLAMP, DEADEND ACSR OR AAC \#2-4/00R .30- | \$9.12 | \$392.16 | N |
| 3 | 2003770 | CLAMP, MID SPAN ALUMINUM $1 / 4 \mathrm{IN}-1 / 2 \mathrm{IN}$ | \$7.09 | \$21.27 | N |
| 236 | 2004331 | CONDUCTOR, BARE OVERHEAD, 2 AWG, AAAC, 7 | \$0.15 | \$35.45 | Y |
| 129 | 2077839 | CONNECTOR, COMPRESSION H-BLOCK ACSR 1/0- | \$0.53 | \$68.37 | N |
| 8 | 2077837 | CONNECTOR, COMPRESSION H-BLOCK ACSR 2/0 | \$0.66 | \$5.28 | N |
| 8 | 2077931 | CONNECTOR, VICE CU \#2 STR | \$2.38 | \$19.04 | N |
| 86 | 2003516 | COVER, SNAP-ON SQUEEZON CONNECTOR D DIE | \$0.39 | \$33.54 | N |
| 1 | 2003636 | EXTENSION ROD, ANCHOR 1-1/4 X 726 FT | \$50.54 | \$50.54 | N |
| 12 | 2077949 | GRIP,GUY,FORMED WIRE DEADEND,3/8"EHS | \$2.27 | \$27.24 | N |
| 11 | 2077951 | HOOK, GUY | \$2.73 | \$30.03 | N |
| 10 | 2077961 | INSULATOR, STRAIN FIBERGLASS 36 IN 15,00 | \$14.73 | \$147.30 | N |
| 1 | 2077979 | MARKER, GUY WIRE PLASTIC $8^{\prime}$ IN LENGTH CO | \$4.43 | \$4.43 | N |
| 37 | 2077783 | NUT, EYE, STANDARD, 1-1/2" GALVANIZED FO | \$1.51 | \$55.87 | N |
| 19 | 2002842 | POLE, WOOD, 35 FT , CLASS 4, CCA TREATED. | \$141.93 | \$2,696.67 | Y |
| 19 | 2077767 | ROLLED BOLT, DOUBLE-ARMING, 5/8"X 16" | \$2.65 | \$50.35 | N |
| 11 | 2077790 | SCREW, LAG 1/2" $\times 4$ ", GALV., TWIST DRIVE | \$0.47 | \$5.17 | N |
| 19 | 2077812 | SPACER, CABLED SECONDARY | \$6.79 | \$129.01 | N |
| 11 | 2078002 | WASHER, CURVED, MALLEABLE, 3" $\times 3$ " | \$1.22 | \$13.42 | N |
| 50 | 2078006 | WASHER, FLAT, GALVANIZED, 2 " $\times 2$ " $\times 1 / 8{ }^{\prime \prime}$ | \$0.24 | \$12.00 | N |
| 57 | 2078014 | WIRE, ALUMINUM, TIE, \#4 BARE ANNEALED | \$0.11 | \$6.27 | N |
| 16 | 2004184 | WIRE, COPPER, BARE, \#4 SOFT DRAWN 7 STR | \$0.63 | \$10.08 | N |
| 657 | 2005879 | WIRE,GUY,EHS STEEL,GALV,3/8",15.4K RBS | \$0.33 | \$216.81 | N |
|  |  |  | Total | \$11,334.69 |  |

TAMPA ELEETRIE
Contact Name:

Estimate Summary
Design Number 1
Distribution Services HDOH SERVICE

Printed Date: 3/11/2021
District: CSA
WR No. 927142
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDOH 1250 sq ft SERVICE

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 9,216.02$ | $\$ 0.00$ | $\$ 9,216.02$ |
| OVERHEAD: | $\$ 1,274.57$ | $\$ 0.00$ | $\$ 1,274.57$ |
|  | $\$ 10,490.59$ | $\$ 0.00$ | $\$ 10,490.59$ |
| LABOR HOURS: | 151.98 | 0 | 151.98 |
| LABOR COST: | $\$ 6,690.19$ | $\$ 0.00$ | $\$ 6,690.19$ |
| OVERHEAD: | $\$ 8,864.50$ | $\$ 0.00$ | $\$ 8,864.50$ |
|  | $\$ 15,554.69$ | $\$ 0.00$ | $\$ 15,554.69$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 26,045.28$ | $\$ 0.00$ | $\$ 26,045.28$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 26,045.28$ |  | $\$ 0.00$ | $\$ 26,045.28$ |

THIS FORM IS NOT TO BE USED FOR CONTRIBUTION IN AID CONSTRUCTION (CIAC).

Work Request Material Summary
***Includes Truck Stock***
Design Number 1
WR No. 927142
Page 1 of 1

| Material Number |  |  |  | Description |
| ---: | ---: | ---: | ---: | ---: |
| INSTALL |  |  | Unit Price | Total Cost Asset? |
| 9408 | 2004364 | CABLE, SERVICE DROP AL 2-2/0 \& 1-1/0 NEU | $\$ 0.96$ | $\$ 9,031.68$ |
| 0 | 2004366 | CABLE, SERVICE DROP AL 2-4/0 \& 1-2/0 NEU | $\$ 1.42$ | $\$ 0.00$ |
| 26 | 2003770 | CLAMP, MID SPAN ALUMINUM 1/4 IN - 1/2 IN | $\$ 7.09$ | $\$ 184.34$ |
|  |  |  | Total | $\$ 9,216.02$ |

TAMPA ELEETRIC
Contact Name:

Estimate Summary
Design Number 1
Dist Sves HDOH METERS

Printed Date: 3/11/2021
District: CSA
WR No. 927163
Date Sched: 4/1/21
Date Required: 4/1/21

Additional Information: Full PSC Filing 10/2010
WR Description: HDOH 1250 sq ft METERS

| INSTALLATION: | Capital | Oper./Maint. | Total |
| :--- | :--- | :--- | :--- |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 35.27 | 0 | 35.27 |
| LABOR COST: | $\$ 1,552.59$ | $\$ 0.00$ | $\$ 1,552.59$ |
| OVERHEAD: | $\$ 2,057.18$ | $\$ 0.00$ | $\$ 2,057.18$ |
|  | $\$ 3,609.77$ | $\$ 0.00$ | $\$ 3,609.77$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 3,609.77$ | $\$ 0.00$ | $\$ 3,609.77$ |
| REMOVAL: |  |  |  |
| MATERIAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| LABOR HOURS: | 0 | 0 | 0 |
| LABOR COST: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ |
| SUBTOTAL: |  |  |  |

## TRANSFER:

| LABOR HOURS: | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| LABOR COST: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| OVERHEAD: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
|  | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| VEHICLE: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| CONTRACTOR: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| ADDITIONAL ITEMS: | $\$ 0.00$ |  | $\$ 0.00$ | $\$ 0.00$ |
| SUBTOTAL: | $\$ 0.00$ | $\$ 0.00$ | $\$ 0.00$ |  |
|  | $\$ 3,609.77$ |  | $\$ 0.00$ |  |
| TOTALS: |  |  |  |  |

## Differential costs for single phase (1ø) services from an overhead source

## OVERHEAD SERVICE

OH Service Cable - Material Per Foot Cost
This cost includes all service clamps, connectors and connector covers required. The per foot cost is a material only number

|  |  |  |  | (Material Handling) |  | OH Service <br> Material Cost |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Action | Description | Material |  | Overhead |  | Per Foot |
| install | 76' - 1ø-2/0 AWG Triplex | \$92.14 | + | \$11.26 | = \$103.40 $~ 76=$ | \$1.36 |
| install | 76' - 1ø-4/0 AWG Triplex | \$140.93 | + | \$17.22 | = \$158.15 $~ 76$ = | \$2.08 |

Fixed Cost = TEC labor plus Contractor labor cost to install the service cable, includes labor plus overheads and vehicle plus the Net Present Value of Operation Cost with Storm Cost.
OH Service - Net Present Value of Operation Cost with Storm Cost \$106.81
abor cost to install 2/0 triplex service cable \$151.14

Labor cost to install 4/0 triplex service cable \$151.92

## OH SERVICE CABLE - Cost Table

OH Description 1ø-2/0 AWG Triplex
1ø-4/0 AWG Triplex
$\$ 151.14$

|  | Installation Cost <br> Fixed |  |
| :--- | :---: | :---: |
| $\$ 106.81+\$ 151.14=$ | $\$ 257.95$ | Per Foot |
| $\$ 106.81+\$ 151.92=$ | $\$ 258.73$ | $\$ 2.08$ |

OH Service - Poles
This is the cost to haul a service pole to the site and install an overhead service pole.

| Action | Description | $\underline{\text { Total }}$ |
| :---: | :---: | :---: |
| install | Accessible 35' wood pole | $\$ 801.36$ |
|  | Average cost to install a service pole | $\$ 801.36$ |

## UNDERGROUND SERVICE

UG Service from an OH Source - Per Foot Cost
This is the material cost of the conduit and cable in the trench, plus the contractor labor to dig the trench and install the conduit and cable in the trench, plus the cost of the TEC inspector.

|  |  |
| :--- | :--- |
|  |  |
| Action <br> install <br> install | Description <br> 1ø |
|  | $1 \varnothing-4 / 0$ AWG Triplex |


| UG Cable <br> Material <br> Cost |
| :--- |
| Per Foot |
| $\$ 1.19$ |
| $\$ 1.56$ |


| UG Conduit <br> Material <br> Cost | Teco <br> Inspection <br> Labor |  |
| :---: | :---: | :---: |
| + | $\frac{\$ 1.45}{}$ | + |
| + | $\$ 2.36$ | + |

UG Cable Machine Trench Total Cost Per Foot

## UG SERVICE CABLE TO METER FROM OH SOURCE - Fixed Cost

This is the cost for the material down the pole and the material at the house riser to the meter can, plus the contractor cost to install the conduit,
cable and make the connection on the pole, plus the Net Present Value of Operation Cost with Storm Cost.
UG Service - Net Present Value of Operation Cost with Storm Cost

| Action |
| :--- |
| install <br> install |

1ø-2/0 $\frac{\text { Description }}{\text { AWG Tpx-2" conduit }}$
$\frac{\text { Material }}{\$ 93.50}$

| \$83.87 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Material |  |  |  |  |  | Total |
| Handling) |  | Contractor |  | NPV |  | Fixed |
| Overhead |  | Labor |  | OC + SC |  | Cost |
| \$11.42 | + | \$87.62 | + | \$83.87 | = | \$276.41 |
| \$19.58 | + | \$87.62 | + | \$83.87 | = | \$351.28 |

UG Service Cable from an OH Source - Cost Table
UG Service Cable from an OH
Source to a meter can Cable \& Conduit With Machine Trench 1ø-2/0 AWG Triplex
1ø-4/0 AWG Triplex

| Fixed | Installation Cost <br> Per Foot |
| :---: | :---: |
| $\$ 276.41$ | $\$ 12.98$ |
| $\$ 351.28$ | $\$ 14.26$ |

[^4]Service

| Installation Cost |  | Differential Cost |  |
| :---: | :---: | :---: | :---: |
| Fixed | Per Foot | Fixed | Per Foot |
| \$257.95 | \$1.36 | \$18.46 | \$11.62 |
| 258.7 | 2.0 | \$92.54 | \$12.18 |

## Differential costs for single phase (1ø) services from an overhead source

# Fixed 

Charge
$\$ 18.46$
$\$ 92.54$
$\$ 78200$ ) $\$ 12.184 / 0$ AWG, 100 ft or less, machine trench, /ft (differential) - a service 100' or less is one that would not have a service pole if it was overhead
(\$708.82) $\$ 1.621 \varnothing 2 / 0$ AWG, greater than 100 ft , machine trench, /ft (differential) - a service greater than 100 ' is one that would require a service pole if it was overhead
(\$708.82) $\$ 12.18 \quad 1 \varnothing 4 / 0$ AWG, greater than 100 ft , machine trench, /ft (differential) - a service greater than 100 is one that would require a service pole if it was overhead

## Conversion Cost - Conversions of single phase (1ø) OH Services to UG Services

The "Conversion Cost" is the sum of: 1) the cost to remove whatever overhead facilities exist;
2) the cost of the remaining book value for those overhead facilities.

After paying the cost to remove and the book value, the Customer essentially becomes a new Customer and is charged the differential cost for his new underground service. The OH Service Cable Removal Cost and the Handy Whitman depreciation tables below are used to calculate the Conversion Cost. The total cost for a customer to convert his overhead service to underground service is the applicable Differential Cost for the new underground service plus the conversion cost.

1) the cost to remove whatever overhead facilities exist

| Action | Average length service | Total Removal Cost | System <br> \% | System <br> Average <br> Cost |
| :---: | :---: | :---: | :---: | :---: |
| remove | 1ø-\#2 AWG Triplex | \$87.60 | 10\% | \$8.76 |
| remove | 1ø-2/0 AWG Triplex | \$87.60 | 70\% | \$61.32 |
| remove | 1ø-4/0 AWG Triplex | \$87.60 | 20\% | \$17.52 |
|  | System Average cost to remove average length $1 \varnothing$ service |  |  | \$87.60 |
|  |  | Total |  | System |
|  |  | Removal | System | Average |
| Action | Service length with a service pole | Cost | \% | Cost |
| remove | 1ø-\#2 AWG Triplex | \$147.57 | 10\% | \$14.76 |
| remove | 1ø-2/0 AWG Triplex | \$147.57 | 70\% | \$103.30 |
| remove | 1ø-4/0 AWG Triplex | \$147.57 | 20\% | \$29.51 |
| remove | $30^{\prime}$ wood pole, drive hook | \$303.06 | 50\% | \$151.53 |
| remove | 35 ' wood pole, drive hook | \$313.38 | 50\% | \$156.69 |
|  | System Average cost to remove average long 1ø service with service pole |  |  | \$455.79 |

2) the cost of the remaining book value for those overhead facilities.

Book Value Assumptions:

| 1. Average depreciation | 0.036 |
| :--- | ---: |
| 2. Age of pole \& service, yrs. | 11 |
| 3. Handy Whitman Ratio, total dist.plant, 2007/2017 | 0.74 |

Book Value $=($ System Value Today $) \times($ Handy Whitman Ratio $) \times(1-($ Std Dep. $\times$ Age $))$


Tariff Sheet No. 5.516 (3.7.2)

|  |  | Current <br> Deposit |  | CPI-U |  |  | Proposed Deposit |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
| Density Class |  | 2018 |  | 2018 | 2019 | 2020 |  | 2021 |
| Urban commercial or residential (\$/mile) | \$ |  | 9,896 | 2.40\% | 1.80\% | 0.80\% | \$ | 10,391 |
| Rural commercial or residential (\$/mile) | \$ |  | 5,657 | 2.40\% | 1.80\% | 0.80\% | \$ | 5,940 |
| Per Lot Subdivisions (\$/lot) | \$ |  | 47 | 2.40\% | 1.80\% | 0.80\% | \$ | 49 |


| $\frac{\text { Table I }}{\text { OPERATING COSTS }}$ |
| :--- |


|  |  | 2018 Actual \$ | 2019 Actual \$ | 2020 Actual \$ | 3-Yr Average \$ | $\begin{gathered} \mathrm{OH} \\ \text { Ratio } \end{gathered}$ | $\begin{gathered} \text { UG } \\ \text { Ratio } \end{gathered}$ | 3-Yr Average Allocated Overhead \$ | 3-Yr Average Allocated Underground \$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Overhead - Blanket Account | New SAP/Funding project |  |  |  |  |  |  |  |  |
| D-CRR-Voltage-OH (NEW) | CRR-02630, CRR-02879 | \$173,845 | \$236,000 | \$263,090 | \$224,312 | 100.0\% | 0.0\% | \$224,312 | \$0 |
| PRE - Dist Line - Fault Indicators | PRE-05080 | \$5,602 | \$6,977 | \$13,005 | \$8,528 | 100.0\% | 0.0\% | \$8,528 | \$0 |
| Distr - Maint - Corrective - OH Line | CRR-02682, CRR-03641, PRE-04820 | \$9,965,721 | \$11,118,166 | \$10,246,537 | \$10,443,475 | 100.0\% | 0.0\% | \$10,443,475 | \$0 |
| Distribution - Maint - OH System Improvements |  | \$0 | \$0 | \$0 | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| Distribution - Maint - Mgmt \& Coordination |  | \$0 | \$0 | \$0 | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| Distr - Maint - Preventative - OH Line | PRE-02805, PRE-02627 | \$6,761,430 | \$9,140,424 | \$6,448,231 | \$7,450,028 | 100.0\% | 0.0\% | \$7,450,028 | \$0 |
| Distr - Maint - Trouble - OH Storm | CRR-02625, CRR-07052 | \$2,215,981 | \$7,584,782 | \$687,761 | \$3,496,175 | 100.0\% | 0.0\% | \$3,496,175 | \$0 |
| Distr - Maint - Pole Inspect \& Change-Outs | PRE-02624 | \$15,267,786 | \$19,949,764 | \$11,097,693 | \$15,438,414 | 100.0\% | 0.0\% | \$15,438,414 | \$0 |
| Distr - Maint - Damage Replacement - OH Line | CRR-02629, CRR-07072 | \$1,689,413 | \$2,037,373 | \$2,655,044 | \$2,127,277 | 100.0\% | 0.0\% | \$2,127,277 | \$0 |
| CRR - Dist Line - Reclosers / Trip-savers | CRR-12716 | \$229,616 | \$240,114 | \$512,584 | \$327,438 | 100.0\% | 0.0\% | \$327,438 | \$0 |
| Distr - Maint - Capacitors | PRE-02631, CRR-02628 | \$435,897 | \$131,914 | \$298,534 | \$288,782 | 100.0\% | 0.0\% | \$288,782 | \$0 |
| Distr - Maint - Trouble - Non-Storm |  | \$0 | \$0 | \$0 | \$0 | 0.0\% | 0.0\% | \$0 | \$0 |
| Distr - Maint - Tree Trimming - Planned |  | \$0 | \$0 | \$0 | \$0 | 0.0\% | 0.0\% | \$0 | \$0 |
| Distr - Env - Train/Permit/nspect/Audit/Protect |  | \$0 | \$0 | \$0 | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| Distr - Maint - Tree Trimming - Unplanned |  | \$0 | \$0 | \$0 | \$0 | 0.0\% | 0.0\% | \$0 | \$0 |
| Distr - Maint - Pole Reinforcements | PRE-03670 | \$467,400 | \$401,509 | \$434,229 | \$434,379 | 100.0\% | 0.0\% | \$434,379 | \$0 |
| Distr - Maint - Pole CLAs \& Change-Outs | PRE-03640 | \$254,663 | \$84,313 | \$67,705 | \$135,560 | 100.0\% | 0.0\% | \$135,560 | \$0 |
| Distr - Maint - Infrared Thermography |  | \$0 | \$0 | \$0 | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| Distr - Maint - Services - OH Line | CRR-02680 | \$774,551 | \$892,002 | \$966,573 | \$877,709 | 0.0\% | 0.0\% | \$0 | \$0 |
|  |  | \$38,241,906 | \$51,823,336 | \$33,690,986 | \$41,252,076 |  |  |  |  |
| Underground - Blanket Account |  |  |  |  |  |  |  |  |  |
| D-CRR-Voltage-UG | CRR-03814 | \$7,589 | \$10,670 | \$23,632 | \$13,964 | 0.0\% | 100.0\% | \$0 | \$13,964 |
| D-PRE-Transformers-UG | PRE-03623 | \$3,504,752 | \$1,551,277 | \$2,084,383 | \$2,380,137 | 0.0\% | 100.0\% | \$0 | \$2,380,137 |
| Distr - Maint - Corrective - UG Line | CRR-02644, CRR-03642 | \$13,068,396 | 10,753,405 | \$10,427,986 | \$11,416,595 | 0.0\% | 100.0\% | \$0 | \$11,416,595 |
| Distribution - Maint - UG System Improvements |  | \$0 | 0 | \$0 | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| Distribution - Maint - Mgmt \& Coordination |  | \$0 | 0 | \$0 | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| Distr - Maint - Preventative - UG Line | PRE-02809, PRE-02646 | \$1,084,178 | \$3,983,848 | \$9,506,194 | \$4,858,073 | 0.0\% | 100.0\% | \$0 | \$4,858,073 |
| Distr - Maint - Network Corrective | CRR-02636 | \$77,136 | \$250,177 | \$33,100 | \$120,138 | 0.0\% | 100.0\% | \$0 | \$120,138 |
| Distr - Maint - Network Preventative | PRE-04357 | \$762,566 | \$1,290,770 | \$25,243 | \$692,860 | 0.0\% | 100.0\% | \$0 | \$692,860 |
| Distr - Maint - Capacitors - UG | CRR-02651, PRE-03813 | \$12,430 | \$396 | \$53,629 | \$22,152 | 0.0\% | 100.0\% | \$0 | \$22,152 |
| Distr - Maint - UG Cable Rplcmnt - Planned | CRR-02649 | \$3,724,487 | \$3,944,431 | \$2,906,062 | \$3,524,993 | 0.0\% | 100.0\% | \$0 | \$3,524,993 |
| Distr - Maint - Trouble - UG Storm | CRR-02645 | \$838,010 | \$629,674 | \$265,878 | \$577,854 | 0.0\% | 100.0\% | \$0 | \$577,854 |
| Distr - Maint - Damage Replacement - UG Line | CRR-02652 | \$586,171 | \$1,105,493 | \$1,211,387 | \$967,684 | 0.0\% | 100.0\% | \$0 | \$967,684 |
| Distr - Maint - UG Cable Rplcmnt - Unplanned |  | \$0 | \$0 | \$0 | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| Distr - Maint - Services - UG Line | CRR-02679 | \$1,089,934 | \$895,524 | \$812,991 | \$932,817 | 0.0\% | 0.0\% | \$0 | \$0 |
|  |  | \$24,755,648 | \$24,415,665 | \$27,350,485 | \$25,507,266 |  |  |  |  |
| Overhead - O\&M Account |  |  |  |  |  |  |  |  |  |
| D-CRR-Voltage-OH (NEW) | CRR-02630, CRR-02879 | \$38,513 | \$61,979 | \$45,644 | \$48,712 | 100.0\% | 0.0\% | \$48,712 | \$0 |
| Distr - Maint - Corrective - OH Line | CRR-02858, CRR-02682 | \$5,989,559 | \$6,759,090 | \$7,002,950 | \$6,583,866 | 100.0\% | 0.0\% | \$6,583,866 | \$0 |
| Distribution - Maint - OH System Improvements |  | \$0 | \$0 | \$0 | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| Distribution - Maint - Mgmt \& Coordination |  | \$0 | \$0 | \$0 | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| Distr - Maint - Preventative - OH Line | PRE-02627, PRE-02867, PRE-02868 | \$98,503 | \$176,940 | \$124,407 | \$133,283 | 100.0\% | 0.0\% | \$133,283 | \$0 |
| Distr - Maint - Trouble - OH Storm | CRR-02625, CRR-02877 | \$1,308,631 | \$1,221,253 | \$593,755 | \$1,041,213 | 100.0\% | 0.0\% | \$1,041,213 | \$0 |
| Distr - Maint - Pole Inspect \& Change-Outs | PRE-04039, PRE-02859 | \$1,929,160 | \$1,959,009 | \$904,908 | \$1,597,692 | 100.0\% | 0.0\% | \$1,597,692 | \$0 |
| Distr - Maint - Damage Replacement - OH Line | CRR-02861, CRR-02629 | \$178,520 | \$257,726 | \$184,081 | \$206,775 | 100.0\% | 0.0\% | \$206,775 | \$0 |
| Distr - Maint - Capacitors | CRR-02628, CRR-02857 | \$190,258 | \$149,581 | \$29,990 | \$123,276 | 100.0\% | 0.0\% | \$123,276 | \$0 |
| Distr - Maint - Trouble - Non-Storm | CRR-02876 | \$2,387,796 | \$2,807,237 | \$2,814,800 | \$2,669,944 | 0.0\% | 0.0\% | \$0 | \$0 |
| CRR - Dist Line - Storms - OH - Restoration | CRR-10852 | \$0 | \$13,636 | \$0 | \$4,545 | 0.0\% | 0.0\% | \$0 | \$0 |
| CRR - Dist Line - Reclosers / Trip-savers | CRR-12716 | \$7 | \$6,425 | \$137 | \$2,190 | 0.0\% | 0.0\% | \$0 | \$0 |
| Distr - Maint - Tree Trimming - Planned | PRE-04067 | \$10,316,539 | \$13,767,350 | \$16,990,720 | \$13,691,536 | 0.0\% | 0.0\% | \$0 | \$0 |
| Distr - Env - Train/Permit/Inspect/Audit/Protect | OPS-04740, PRE-04060 | \$21,039 | \$13,489 | \$26,923 | \$20,484 | 100.0\% | 0.0\% | \$20,484 | \$0 |
| Distr - Maint - Tree Trimming - Unplanned | CRR-03621 | \$1,562,584 | \$2,222,800 | \$2,026,699 | \$1,937,361 | 0.0\% | 0.0\% | \$0 | \$0 |
| Distr - Maint - Pole Reinforcements |  | \$0 | \$0 | \$0 | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| Distr - Maint - Pole CLAs \& Change-Outs | PRE-04062 | \$0 | \$0 | \$0 | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| Distr - Maint - Infrared Thermography |  | \$0 | \$0 | \$0 | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| Distr - Maint - Services - OH Line | Subtotal ${ }^{\text {CRR-02680, CRR-02871 }}$ | \$786,519 | \$808,204 | \$839,741 | \$811,488 | 0.0\% | 0.0\% | \$0 | \$0 |
|  |  | \$24,807,628 | \$30,224,718 | \$31,584,755 | \$28,872,367 |  |  |  |  |
| Underground - O\&M Account |  |  |  |  |  |  |  |  |  |
| D-PRE-Transformers-UG | PRE-03623 | \$3,479 | \$0 | \$0 | \$1,160 | 0.0\% | 100.0\% | \$0 | \$1,160 |
| Distr - Maint - Corrective - UG Line | CRR-02860, CRR-02644 | \$1,548,934 | 1,449,637 | \$1,710,255 | \$1,569,609 | 0.0\% | 100.0\% | \$0 | \$1,569,609 |
| Distribution - Maint - UG System Improvements |  | \$0 | \$0 | \$0 | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| Distribution - Maint - Mgmt \& Coordination |  | \$0 | \$0 | \$0 | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| Distr - Maint - Preventative - UG Line | PRE-02869, PRE-02809, PRE-02646, PRE-02870 | \$306,486 | \$300,272 | \$220,874 | \$275,877 | 0.0\% | 100.0\% | \$0 | \$275,877 |
| Distr - Maint - Network Corrective | CRR-02636, CRR-02863 | \$20,524 | \$7,379 | \$5,573 | \$11,159 | 0.0\% | 100.0\% | \$0 | \$11,159 |
| Distr - Maint - Network Preventative | PRE-02864 | \$513,913 | \$635,686 | \$660,604 | \$603,401 | 0.0\% | 100.0\% | \$0 | \$603,401 |
| Distr - Locate Facilities | PRE-04063 | \$760,468 | \$912,001 | \$948,183 | \$873,551 | 0.0\% | 100.0\% | \$0 | \$873,551 |
| Distr - Maint - UG Cable Rplcmnt - Planned | CRR-03635, CRR-02649 | \$127,829 | \$71,431 | \$23,766 | \$74,342 | 0.0\% | 100.0\% | \$0 | \$74,342 |
| Distr - Maint - Trouble - UG Storm | CRR-02878 | \$120,874 | \$29,492 | \$19,316 | \$56,561 | 0.0\% | 100.0\% | \$0 | \$56,561 |
| D-CRR-Capacitors-UG | CRR-02651 | \$0 | \$773 | \$0 | \$258 | 0.0\% | 100.0\% | \$0 | \$258 |
| D-CRR-Storms-UG | CRR-02645 | \$0 | \$0 | \$0 | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| Distr - Maint - Damage Replacement - UG Line | CRR-02862, CRR-02652 | \$103,901 | \$173,424 | \$174,701 | \$150,675 | 0.0\% | 100.0\% | \$0 | \$150,675 |
| Distr - Maint - UG Cable Rplcmnt - Unplanned |  | \$0 | \$0 | \$0 | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| Distr - Maint - Services - UG Line | CRR-02679, CRR-02872 | \$423,145 | \$654,095 | \$712,258 | \$596,499 | 0.0\% | 0.0\% | \$0 | \$0 |
| Subtotal |  |  | \$4,234,190 | \$4,475,530 | \$4,213,091 |  |  |  |  |

## Table II

## PRIMARY VOLTAGE SYSTEM

Distribution - Maint - Trouble Calls - Non-storm
Blanket
O\&M
Operating Cost Total from Table I
Distr - Maint - Tree Trimming - Planned
Blanket
O\&M
Distr - Maint - Tree Trimming - Unplanned
Blanket
O\&M

Annual Estimated Storm Costs
Storm Damage Annual Accrual
Percent for Distribution Lines \& Substations
Percent for Substations
Percent for Distribution Lines
Storm Cost Distribution Lines

Pole Attachment Revenue
Distr - Maint - Services - OH Line
Blanket
O\&M
Distr - Maint - Services - UG Line
Blanket

## Table III SERVICE CONDUCTOR

Table IV
ALLOCATION FACTORS

| \$774,551 | \$892,002 | \$966,573 | \$877,709 | 100.0\% | 0.0\% | \$877,709 | \$0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$786,519 | \$808,204 | \$839,741 | \$811,488 | 100.0\% | 0.0\% | \$811,488 | \$0 |
| \$1,089,934 | \$895,524 | \$812,991 | \$932,817 | 0.0\% | 100.0\% | \$0 | \$932,817 |
| \$423,145 | \$654,095 | \$712,258 | \$596,499 | 0.0\% | 100.0\% | \$0 | \$596,499 |


| 2018 Actual \$ | 2019 Actual \$ | 2020 Actual \$ | 3-Yr Average \$ | OH <br> Ratio | UG <br> Ratio | Allocated Overhead \$ | Allocated Underground \$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$0 | \$0 | \$0 | \$0 | 77.7\% | 22.3\% | \$0 | \$0 |
| \$2,387,796 | \$2,807,237 | \$2,814,800 | \$2,669,944 | 77.7\% | 22.3\% | \$2,074,547 | \$595,398 |
| (A) 3 Yr Avg Annual Operational Cost |  |  |  |  |  | \$50,129,670 | \$28,191,041 |
|  |  |  |  |  |  | \$52,204,216 | \$28,786,439 |
|  |  |  |  | OH | UG | Allocated Overhead | Allocated Underground |
| 2018 Actual \$ | 2019 Actual \$ | 2020 Actual \$ | $3-\mathrm{Yr}$ Average \$ | Ratio | Ratio | \$ | \$ |
| \$0 | \$0 | \$0 | \$0 | 96.1\% | 3.9\% | \$0 | \$0 |
| \$10,316,539 | \$13,767,350 | \$16,990,720 | \$13,691,536 | 96.1\% | 3.9\% | \$13,157,894 | \$533,642 |
| \$0 | \$0 | \$0 | \$0 | 96.1\% | 3.9\% | \$0 | \$0 |
| \$1,562,584 | \$2,222,800 | \$2,026,699 | \$1,937,361 | 96.1\% | 3.9\% | \$1,861,851 | \$75,511 |

(B) 3 Yr Avg Annual Line Clearance Cost $\quad \$ 15,019,745 \quad \$ 609,153$

| $\$ 27,000,000$ | $\$ 27,000,000$ | $\$ 27,000,000$ | $\$ 27,000,000$ | $96.0 \%$ | $4.0 \%$ | $\$ 25,920,000$ | $\$ 1,080,000$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  | (C) Estimated Annual Storm Cost | $\$ 25,920,000$ | $\$ 1,080,000$ |  |  |


| $\$ 4,429,688$ | $\$ 4,495,861$ | $\$ 4,591,960$ | $\$ 4,505,836$ | $100.0 \%$ | $0.0 \%$ | $\$ 4,505,836$ | $\$ 0$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | (D) 2010 | Annual Pole Attachment Revenue | $\$ 4,505,836$ | $\$ 0$ |  |  |

(A) 3 Yr Avg Annual Operational Cost $\$ \mathbf{\$ 1 , 6 8 9 , 1 9 7} \mathbf{\$ 1 , 5 2 9 , 3 1 6}$
$\begin{array}{rr}418,770 & 96.1 \% \\ 16,322 & 3.9 \%\end{array}$

|  | 2020 | 2020 <br> 2020 |
| ---: | :---: | ---: |
| Overhead | Underground |  |
| Entire System | System | System |
| 9,810 | 8,018 | 1,792 |
| 166.49 | 158.36 | 202.88 |
| $1,633,267$ | $1,269,730$ | 363,561 |
|  | $77.7 \%$ | $22.3 \%$ |

No of Services (Based on Metered Accounts)
246,960
284,735

Table V (A)
NET PRESENT VALUE LIFECYCLE COST CALCULATION
(Primary Voltage System - Installation of Facilities In Subdivisions)

Assumptions:

| Inflation Rate | $0.80 \%$ |
| :--- | :---: |
| Discount Rate | $6.70 \%$ |
| Book Life | 35 Yrs |
| Pole Attach Revenue Increase | $2.1 \%$ |


| Overhead System |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Yr | (A) <br> 3 Yr Avg Annual Operational Cost (\$) | $\begin{gathered} \frac{(\mathrm{D})}{3 \mathrm{Yr} \text { Avg }} \\ \text { Annual Pole } \\ \hline \text { Attachment } \\ \text { Revenue (\$) } \\ \hline \end{gathered}$ | $\frac{(\mathrm{A})+(\mathrm{D})}{\frac{3 \mathrm{Yr} \text { Avg }}{\text { Innual }}}$Operational$\frac{\text { Oost Incl Lost }}{\text { Cos. }}$Attachment <br> Revenue(\$) |  | $\frac{\begin{array}{c} (C) \\ \text { Estimated } \end{array}}{\text { Annual Storm }} \text { Cost (\$) }$ | $\frac{(\mathrm{A})+(\mathrm{B})+(\mathrm{C})+(\mathrm{D})}{\mathrm{NPV} \text { Incl Storm }}$ |  | $\frac{\begin{array}{c} (\mathrm{A})+(\mathrm{B})+(\mathrm{D}) \\ \mathrm{NPV} \text { Excl Storm } \end{array}}{(\$)}$ | $\begin{gathered} (C) \\ \text { NPV Storm Only } \\ \hline \end{gathered}$ |
| 1 | 52,204,216 | \$ (4,505,836) | \$ 47,698,380 | \$ | \$ 25,920,000 | \$ | 73,618,380 | \$47,698,380 | \$25,920,000 |
| 2 | 52,621,850 | $(4,602,149)$ | \$ 48,019,701 |  | 26,127,360 | \$ | 69,491,154 | \$45,004,406 | \$24,486,748 |
| 3 | 53,042,825 | $(4,700,520)$ | \$ 48,342,305 |  | 26,336,379 | \$ | 65,594,559 | \$42,461,812 | \$23,132,748 |
| 4 | 53,467,168 | $(4,800,993)$ | \$ 48,666,174 |  | 26,547,070 | \$ | 61,915,739 | \$40,062,122 | \$21,853,617 |
| 5 | 53,894,905 | $(4,903,615)$ | \$ 48,991,290 |  | 26,759,446 | \$ | 58,442,554 | \$37,797,337 | \$20,645,217 |
| 6 | 54,326,064 | $(5,008,429)$ | \$ 49,317,635 |  | 26,973,522 | \$ | 55,163,537 | \$35,659,902 | \$19,503,635 |
| 7 | 54,760,673 | $(5,115,484)$ | \$ 49,645,188 |  | 27,189,310 | \$ | 52,067,862 | \$33,642,685 | \$18,425,177 |
| 8 | 55,198,758 | $(5,224,828)$ | \$ 49,973,930 |  | 27,406,825 | \$ | 49,145,304 | \$31,738,951 | \$17,406,353 |
| 9 | 55,640,348 | $(5,336,509)$ | \$ 50,303,839 |  | 27,626,079 | \$ | 46,386,208 | \$29,942,343 | \$16,443,865 |
| 10 | 56,085,471 | $(5,450,577)$ | \$ 50,634,894 |  | 27,847,088 | \$ | 43,781,455 | \$28,246,857 | \$15,534,598 |
| 11 | 56,534,155 | $(5,567,083)$ | \$ 50,967,072 |  | 28,069,865 | \$ | 41,322,435 | \$26,646,826 | \$14,675,609 |
| 12 | 56,986,428 | $(5,686,079)$ | \$ 51,300,349 |  | 28,294,424 | \$ | 39,001,017 | \$25,136,899 | \$13,864,118 |
| 13 | 57,442,319 | $(5,807,619)$ | \$ 51,634,700 |  | 28,520,779 | \$ | 36,809,522 | \$23,712,024 | \$13,097,498 |
| 14 | 57,901,858 | $(5,931,757)$ | \$ 51,970,101 |  | 28,748,945 | \$ | 34,740,700 | \$22,367,431 | \$12,373,269 |
| 15 | 58,365,073 | $(6,058,548)$ | \$ 52,306,525 | 16,792,293 | 28,978,937 | \$ | 39,561,126 | \$27,872,039 | \$11,689,087 |
| 16 | 58,831,993 | $(6,188,050)$ | \$ 52,643,944 | 16,926,631 | 29,210,768 | \$ | 37,342,951 | \$26,300,215 | \$11,042,736 |
| 17 | 59,302,649 | $(6,320,319)$ | \$ 52,982,330 | 17,062,044 | 29,444,454 | \$ | 35,248,741 | \$24,816,615 | \$10,432,125 |
| 18 | 59,777,071 | $(6,455,416)$ | \$ 53,321,654 | 17,198,540 | 29,680,010 | \$ | 33,271,584 | \$23,416,305 | \$9,855,279 |
| 19 | 60,255,287 | $(6,593,401)$ | \$ 53,661,887 | 17,336,129 | 29,917,450 | \$ | 31,404,955 | \$22,094,626 | \$9,310,329 |
| 20 | 60,737,329 | $(6,734,335)$ | \$ 54,002,995 | 17,474,818 | 30,156,790 | \$ | 29,642,691 | \$20,847,179 | \$8,795,512 |
| 21 | 61,223,228 | $(6,878,281)$ | \$ 54,344,947 | 17,614,616 | 30,398,044 | \$ | 27,978,971 | \$19,669,808 | \$8,309,162 |
| 22 | 61,713,014 | $(7,025,304)$ | \$ 54,687,710 | 17,755,533 | 30,641,228 | \$ | 26,408,300 | \$18,558,594 | \$7,849,706 |
| 23 | 62,206,718 | $(7,175,470)$ | \$ 55,031,248 | 17,897,578 | 30,886,358 | \$ | 24,925,487 | \$17,509,833 | \$7,415,654 |
| 24 | 62,704,372 | $(7,328,846)$ | \$ 55,375,526 | 18,040,758 | 31,133,449 | \$ | 23,525,631 | \$16,520,027 | \$7,005,604 |
| 25 | 63,206,007 | $(7,485,500)$ | \$ 55,720,507 | 18,185,084 | 31,382,517 | \$ | 22,204,104 | \$15,585,876 | \$6,618,228 |
| 26 | 63,711,655 | $(7,645,502)$ | \$ 56,066,152 | 18,330,565 | 31,633,577 | \$ | 20,956,535 | \$14,704,264 | \$6,252,271 |
| 27 | 64,221,348 | $(7,808,925)$ | \$ 56,412,423 | 18,477,209 | 31,886,645 | \$ | 19,778,797 | \$13,872,246 | \$5,906,551 |
| 28 | 64,735,119 | $(7,975,841)$ | \$ 56,759,278 | 18,625,027 | 32,141,739 | \$ | 18,666,992 | \$13,087,045 | \$5,579,947 |
| 29 | 65,253,000 | $(8,146,324)$ | \$ 57,106,675 | 18,774,027 | 32,398,872 | \$ | 17,617,440 | \$12,346,038 | \$5,271,402 |
| 30 | 65,775,024 | $(8,320,452)$ | \$ 57,454,572 | 18,924,220 | 32,658,063 | \$ | 16,626,665 | \$11,646,746 | \$4,979,919 |
| 31 | 66,301,224 | $(8,498,302)$ | \$ 57,802,922 | 19,075,613 | 32,919,328 | \$ | 15,691,386 | \$10,986,833 | \$4,704,553 |
| 32 | 66,831,634 | $(8,679,953)$ | \$ 58,151,681 | 19,228,218 | 33,182,683 | \$ | 14,808,503 | \$10,364,090 | \$4,444,414 |
| 33 | 67,366,287 | $(8,865,487)$ | \$ 58,500,800 | 19,382,044 | 33,448,144 | \$ | 13,975,091 | \$9,776,432 | \$4,198,659 |
| 34 | 67,905,217 | $(9,054,987)$ | \$ 58,850,230 | 19,537,100 | 33,715,729 | \$ | 13,188,385 | \$9,221,892 | \$3,966,493 |
| 35 | 68,448,459 | $(9,248,537)$ | \$ 59,199,922 | 19,693,397 | 33,985,455 | \$ | 12,445,777 | \$8,698,612 | \$3,747,165 |
|  |  |  |  |  | SUM |  | 222,750,539 | \$ 818,013,292 | \$ 404,737,247 |

NPV $=($ Annual Cost $) /(1+(\text { Discount Rate } / 100))^{\wedge}($ Year -1$)$

Table V (B)
NET PRESENT VALUE LIFECYCLE COST CALCULATION (Primary Voltage System - Installation of Facilities In Subdivisions)

Assumptions:

| Inflation Rate | $0.80 \%$ |
| :--- | :---: |
| Discount Rate | $6.70 \%$ |
| Book Life | 35 Yrs |
| Pole Attach Revenue Increase | $2.1 \%$ |



Table VI (A)
NET PRESENT VALUE LIFECYCLE COST CALCULATION
(Services)

Assumptions:

| Inflation Rate | $0.80 \%$ |
| :--- | :---: |
| Discount Rate | $6.70 \%$ |
| Book Life | 35 Yrs |
| Pole Attach Revenue Increase | $2.1 \%$ |


| Overhead System |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Yr | (A) <br> 3 Yr Avg Annual Operational Cost (\$) | $\begin{gathered} \text { (D) } \\ \frac{3 \mathrm{Yr} \text { Avg }}{} \\ \text { Annual Pole } \\ \hline \text { Attachment } \\ \text { Revenue(\$) } \end{gathered}$ | $\frac{(\mathrm{A})+(\mathrm{D})}{}$ <br> $\frac{3 \mathrm{Yr} \mathrm{Avg}}{\text { Annual }}$ <br> Operational <br> Cost Incl LostAttachment <br> Revenue(\$) |  |  |  | $\frac{+(\mathrm{B})+(\mathrm{C})+(\mathrm{D})}{\frac{\mathrm{V} \text { Incl Storm }}{(\$)}}$ | $\frac{\begin{array}{c} (\mathrm{A})+(\mathrm{B})+(\mathrm{D}) \\ \mathrm{NPV} \text { Excl Storm } \end{array}}{(\$)}$ | $\begin{aligned} & \frac{(\mathrm{C})}{\mathrm{NPV} \text { Storm }} \\ & \text { Only (\$) } \end{aligned}$ |
| 1 | \$ 1,689,197 | , | \$ 1,689,197 | \$ | \$ | \$ | 1,689,197 | \$1,689,197 | \$0 |
| 2 | 1,702,710 | - | \$ 1,702,710 | - |  | \$ | 1,595,792 | \$1,595,792 | \$0 |
| 3 | 1,716,332 | - | \$ 1,716,332 | - | - | \$ | 1,507,552 | \$1,507,552 | \$0 |
| 4 | 1,730,062 | - | \$ 1,730,062 | - | - | \$ | 1,424,192 | \$1,424,192 | \$0 |
| 5 | 1,743,903 | - | \$ 1,743,903 | - | - | \$ | 1,345,441 | \$1,345,441 | \$0 |
| 6 | 1,757,854 | - | \$ 1,757,854 | - | - | \$ | 1,271,044 | \$1,271,044 | \$0 |
| 7 | 1,771,917 | - | \$ 1,771,917 | - | - | \$ | 1,200,762 | \$1,200,762 | \$0 |
| 8 | 1,786,092 | - | \$ 1,786,092 | - | - | \$ | 1,134,365 | \$1,134,365 | \$0 |
| 9 | 1,800,381 | - | \$ 1,800,381 | - | - | \$ | 1,071,640 | \$1,071,640 | \$0 |
| 10 | 1,814,784 | - | \$ 1,814,784 | - | - | \$ | 1,012,384 | \$1,012,384 | \$0 |
| 11 | 1,829,302 | - | \$ 1,829,302 | - | - | \$ | 956,404 | \$956,404 | \$0 |
| 12 | 1,843,937 | - | \$ 1,843,937 | - | - | \$ | 903,519 | \$903,519 | \$0 |
| 13 | 1,858,688 | - | \$ 1,858,688 | - | - | \$ | 853,559 | \$853,559 | \$0 |
| 14 | 1,873,558 | - | \$ 1,873,558 | - | - | \$ | 806,361 | \$806,361 | \$0 |
| 15 | 1,888,546 | - | \$ 1,888,546 | - | - | \$ | 761,773 | \$761,773 | \$0 |
| 16 | 1,903,655 | - | \$ 1,903,655 | - | - | \$ | 719,651 | \$719,651 | \$0 |
| 17 | 1,918,884 | - | \$ 1,918,884 | - | - | \$ | 679,858 | \$679,858 | \$0 |
| 18 | 1,934,235 | - | \$ 1,934,235 | - | - | \$ | 642,265 | \$642,265 | \$0 |
| 19 | 1,949,709 | - | \$ 1,949,709 | - | - | \$ | 606,751 | \$606,751 | \$0 |
| 20 | 1,965,307 | - | \$ 1,965,307 | - | - | \$ | 573,200 | \$573,200 | \$0 |
| 21 | 1,981,029 | - | \$ 1,981,029 | - | - | \$ | 541,505 | \$541,505 | \$0 |
| 22 | 1,996,877 | - | \$ 1,996,877 | - | - | \$ | 511,562 | \$511,562 | \$0 |
| 23 | 2,012,852 | - | \$ 2,012,852 | - | - | \$ | 483,275 | \$483,275 | \$0 |
| 24 | 2,028,955 | - | \$ 2,028,955 | - | - | \$ | 456,553 | \$456,553 | \$0 |
| 25 | 2,045,187 | - | \$ 2,045,187 | - | - | \$ | 431,307 | \$431,307 | \$0 |
| 26 | 2,061,548 | - | \$ 2,061,548 | - | - | \$ | 407,458 | \$407,458 | \$0 |
| 27 | 2,078,041 | - | \$ 2,078,041 | - | - | \$ | 384,928 | \$384,928 | \$0 |
| 28 | 2,094,665 | - | \$ 2,094,665 | - | - | \$ | 363,643 | \$363,643 | \$0 |
| 29 | 2,111,422 | - | \$ 2,111,422 | - | - | \$ | 343,535 | \$343,535 | \$0 |
| 30 | 2,128,314 | - | \$ 2,128,314 | - | - | \$ | 324,539 | \$324,539 | \$0 |
| 31 | 2,145,340 | - | \$ 2,145,340 | - | - | \$ | 306,594 | \$306,594 | \$0 |
| 32 | 2,162,503 | - | \$ 2,162,503 | - | - | \$ | 289,641 | \$289,641 | \$0 |
| 33 | 2,179,803 | - | \$ 2,179,803 | - | - | \$ | 273,625 | \$273,625 | \$0 |
| 34 | 2,197,241 | - | \$ 2,197,241 | - | - | \$ | 258,495 | \$258,495 | \$0 |
| 35 | 2,214,819 | - | \$ 2,214,819 | - | - | \$ | 244,201 | \$244,201 | \$0 |
|  |  |  |  |  | SUM | \$ | 26,376,573 | \$ 26,376,573 | \$ - |

NPV $=($ Annual Cost $) /(1+(\text { Discount Rate } / 100))^{\wedge}($ Year -1)

Table VI (B)
NET PRESENT VALUE LIFECYCLE COST CALCULATION
(Services)

Assumptions:

| Inflation Rate | $0.80 \%$ |
| :--- | :---: |
| Discount Rate | $6.70 \%$ |
| Book Life | 35 Yrs |
| Pole Attach Revenue Increase | $2.1 \%$ |



Table VII
Net Present Value of Operational Costs
Per Mile \& Per Service Calculations

Primary Voltage | System |
| ---: |
| NPV Life Cycle Cost |
| System Miles OH |

NPV Life Cycle Cost / Mile

Services | NPV Life Cycle Cost |
| ---: |
| Number of Services |

NPV Life Cycle Cost / Service

| Overhead |  |  |
| ---: | ---: | ---: |
| Incl Storm | Excl Storm | Storm Only |
| $\$ 1,222,750,539$ | $\$ 818,013,292$ | $\$ 404,737,247$ |
| 6,246 | 6,246 | 6,246 |
| $\$ 195,765.38$ | $\$ 130,965.94$ | $\$ 64,799.43$ |
|  |  |  |
| Incl Storm | Excl Storm | Storm Only |
| $\$ 26,376,573$ | $\$ 26,376,573$ | $\$ 0$ |
| 246,960 | 246,960 | 246,960 |
| $\$ 106.81$ | $\$ 106.81$ | $\$ 0.00$ |

Underground
Primary Voltage System
NPV Life Cycle Cost
System Miles OH
NPV Life Cycle Cost / Mile

| Incl Storm | Excl Storm | Storm Only |
| ---: | :---: | ---: |
| $\$ 469,823,841$ | $\$ 452,959,789$ | $\$ 16,864,052$ |
| 5,715 | 5,715 | 5,715 |
| $\$ 82,208.90$ | $\$ 79,258.06$ | $\$ 2,950.84$ |
|  |  |  |
| Incl Storm | Excl Storm | Storm Only |
| $\$ 23,880,057$ | $\$ 23,880,057$ | $\$ 0$ |
| 284,735 | 284,735 | 284,735 |
| $\$ 83.87$ | $\$ 83.87$ | $\$ 0.00$ |


| Differential  <br> Incl Storm Excl Storm | Storm Only <br> $-\$ 113,556.48$ | $-\$ 51,707.88$ |
| :---: | :---: | :---: |
| $-\$ 61,848.59$ |  |  |

Table VIII
Net Present Value of Operational Costs
Per Lot Calculations

| Low Density Subdivision |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Overhead |  |  |  |  |
| Number of Lots | Miles of Line | Incl Storm \$/Lot | Excl Storm \$ L Lot | Storm Only \$/ Lot |
| 210 | 1.92 | \$1,789.85 | \$1,197.40 | \$592.45 |
| NA | NA | \$106.81 | \$106.81 | \$0.00 |
|  |  | \$1,896.66 | \$1,304.21 | \$592.45 |
| Underground |  |  |  |  |
| 210 | 2.99 | \$1,170.50 | \$1,128.48 | \$42.01 |
| NA | NA | \$83.87 | \$83.87 | \$0.00 |
|  |  | \$1,254.37 | \$1,212.35 | \$42.01 |
|  | Differential | -\$642.29 | -\$91.86 | -\$550.44 |


|  | High Density Subdivision |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of Lots | Overhead |  |  |  |
|  |  |  | Incl Storm | Excl Storm | Storm Only |
| Primary Voltage System ${ }^{1}$ |  | 1.17 | \$1,301.39 | \$870.63 | \$430.77 |
| Services | NA | NA | \$106.81 | \$106.81 | \$0.00 |
| Primary \& Service |  |  | \$1,408.20 | \$977.44 | \$430.77 |
|  | Underground |  |  |  |  |
| Primary Voltage System ${ }^{1}$ |  | 1.07 | \$499.79 | \$481.85 | \$17.94 |
| Services | NA | NA | \$83.87 | \$83.87 | \$0.00 |
| Primary \& Service |  |  | \$583.66 | \$565.72 | \$17.94 |
| Primary \& Service |  | Differential | -\$824.54 | -\$411.72 | -\$412.83 |

[^5]Table IX
2020 O\&M - FORM 13

|  |  | 2020 Actual \$ | OH <br> Ratio | UG <br> Ratio | 2020 Allocated Overhead \$ | 2020 Allocated Underground \$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Overhead - Blanket Account |  |  |  |  |  |  |
| 0 D-CRR-Voltage-OH (NEW) |  | \$263,090 | 100.0\% | 0.0\% | \$263,090 | \$0 |
| 0 PRE - Dist Line - Fault Indicators |  | \$13,005 | 100.0\% | 0.0\% | \$13,005 | \$0 |
| 51 Distr - Maint - Corrective - OH Line |  | \$10,246,537 | 100.0\% | 0.0\% | \$10,246,537 | \$0 |
| 49 Distribution - Maint - OH System Improvements |  | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| 164 Distribution - Maint - Mgmt \& Coordination |  | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| 53 Distr - Maint - Preventative - OH Line |  | \$6,448,231 | 100.0\% | 0.0\% | \$6,448,231 | \$0 |
| 57 Distr - Maint - Trouble - OH Storm |  | \$687,761 | 100.0\% | 0.0\% | \$687,761 | \$0 |
| 59 Distr - Maint - Pole Inspect \& Change-Outs |  | \$11,097,693 | 100.0\% | 0.0\% | \$11,097,693 | \$0 |
| 60 Distr - Maint - Damage Replacement - OH Line |  | \$2,655,044 | 100.0\% | 0.0\% | \$2,655,044 | \$0 |
| 61 Distr - Maint - Capacitors |  | \$298,534 | 100.0\% | 0.0\% | \$298,534 | \$0 |
| 65 Distr - Maint - Trouble - Non-Storm |  | \$0 | 0.0\% | 0.0\% | \$0 | \$0 |
| 67 Distr - Maint - Tree Trimming - Planned |  | \$0 | 0.0\% | 0.0\% | \$0 | \$0 |
| 162 Distr - Env - Train/Permit/Inspect/Audit/Protect |  | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| 197 Distr - Maint - Tree Trimming - Unplanned |  | \$0 | 0.0\% | 0.0\% | \$0 | \$0 |
| 199 Distr - Maint - Pole Reinforcements |  | \$434,229 | 100.0\% | 0.0\% | \$434,229 | \$0 |
| 202 Distr - Maint - Pole CLAs \& Change-Outs |  | \$67,705 | 100.0\% | 0.0\% | \$67,705 | \$0 |
| NEW Distr - Maint - Infrared Thermography |  | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| 204 Distr - Maint - Services - OH Line |  | \$966,573 | 0.0\% | 0.0\% | \$0 | \$0 |
|  | Subtotal | \$33,178,402 |  |  |  |  |
| Underground - Blanket Account |  |  |  |  |  |  |
| 0 D-CRR-Voltage-UG |  | \$23,632 | 0.0\% | 100.0\% | \$0 | \$23,632 |
| 0 D-PRE-Transformers-UG |  | \$2,084,383 | 0.0\% | 100.0\% | \$0 | \$2,084,383 |
| 52 Distr - Maint - Corrective - UG Line |  | \$10,427,986 | 0.0\% | 100.0\% | \$0 | \$10,427,986 |
| 50 Distribution - Maint - UG System Improvements |  | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| 164 Distribution - Maint - Mgmt \& Coordination |  | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| 54 Distr - Maint - Preventative - UG Line |  | \$9,506,194 | 0.0\% | 100.0\% | \$0 | \$9,506,194 |
| 55 Distr - Maint - Network Corrective |  | \$33,100 | 0.0\% | 100.0\% | \$0 | \$33,100 |
| 56 Distr - Maint - Network Preventative |  | \$25,243 | 0.0\% | 100.0\% | \$0 | \$25,243 |
| 0 Distr - Maint - Capacitors - UG |  | \$53,629 | 0.0\% | 100.0\% | \$0 | \$53,629 |
| 194 Distr - Maint - UG Cable Rplcmnt - Planned |  | \$2,906,062 | 0.0\% | 100.0\% | \$0 | \$2,906,062 |
| 195 Distr - Maint - Trouble - UG Storm |  | \$265,878 | 0.0\% | 100.0\% | \$0 | \$265,878 |
| 196 Distr - Maint - Damage Replacement - UG Line |  | \$1,211,387 | 0.0\% | 100.0\% | \$0 | \$1,211,387 |
| 201 Distr - Maint - UG Cable Rplcmnt - Unplanned |  | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| 205 Distr - Maint - Services - UG Line |  | \$812,991 | 0.0\% | 0.0\% | \$0 | \$0 |
|  | Subtotal | \$27,350,485 |  |  |  |  |
| Overhead - O\&M Account |  |  |  |  |  |  |
| 0 D-CRR-Voltage-OH (NEW) |  | \$45,644 | 100.0\% | 0.0\% | \$45,644 | \$0 |
| 51 Distr - Maint - Corrective - OH Line |  | \$7,002,950 | 100.0\% | 0.0\% | \$7,002,950 | \$0 |
| 49 Distribution - Maint - OH System Improvements |  | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| 164 Distribution - Maint - Mgmt \& Coordination |  | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| 53 Distr - Maint - Preventative - OH Line |  | \$124,407 | 100.0\% | 0.0\% | \$124,407 | \$0 |
| 57 Distr - Maint - Trouble - OH Storm |  | \$593,755 | 100.0\% | 0.0\% | \$593,755 | \$0 |
| 59 Distr - Maint - Pole Inspect \& Change-Outs |  | \$904,908 | 100.0\% | 0.0\% | \$904,908 | \$0 |
| 60 Distr - Maint - Damage Replacement - OH Line |  | \$184,081 | 100.0\% | 0.0\% | \$184,081 | \$0 |
| 61 Distr - Maint - Capacitors |  | \$29,990 | 100.0\% | 0.0\% | \$29,990 | \$0 |
| 65 Distr - Maint - Trouble - Non-Storm |  | \$2,814,800 | 0.0\% | 0.0\% | \$0 | \$0 |
| CRR - Dist Line - Storms - OH - Restoration |  | \$0 | 0.0\% | 0.0\% | \$0 | \$0 |
| 67 Distr - Maint - Tree Trimming - Planned |  | \$16,990,720 | 0.0\% | 0.0\% | \$0 | \$0 |
| 162 Distr - Env - Train/Permit/Inspect/Audit/Protect |  | \$26,923 | 100.0\% | 0.0\% | \$26,923 | \$0 |
| 197 Distr - Maint - Tree Trimming - Unplanned |  | \$2,026,699 | 0.0\% | 0.0\% | \$0 | \$0 |
| 199 Distr - Maint - Pole Reinforcements |  | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| 202 Distr - Maint - Pole CLAs \& Change-Outs |  | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| NEW Distr - Maint - Infrared Thermography |  | \$0 | 100.0\% | 0.0\% | \$0 | \$0 |
| 204 Distr - Maint - Services - OH Line |  | \$839,741 | 0.0\% | 0.0\% | \$0 | \$0 |
|  | Subtotal | \$31,584,618 |  |  |  |  |
| Underground - O\&M Account |  |  |  |  |  |  |
| 0 D-PRE-Transformers-UG |  | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| 52 Distr - Maint - Corrective - UG Line |  | \$1,710,255 | 0.0\% | 100.0\% | \$0 | \$1,710,255 |
| 50 Distribution - Maint - UG System Improvements |  | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| 164 Distribution - Maint - Mgmt \& Coordination |  | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| 54 Distr - Maint - Preventative - UG Line |  | \$220,874 | 0.0\% | 100.0\% | \$0 | \$220,874 |
| 55 Distr - Maint - Network Corrective |  | \$5,573 | 0.0\% | 100.0\% | \$0 | \$5,573 |
| 56 Distr - Maint - Network Preventative |  | \$660,604 | 0.0\% | 100.0\% | \$0 | \$660,604 |
| 127 Distr - Locate Facilities |  | \$948,183 | 0.0\% | 100.0\% | \$0 | \$948,183 |
| 194 Distr - Maint - UG Cable Rplcmnt - Planned |  | \$23,766 | 0.0\% | 100.0\% | \$0 | \$23,766 |
| 195 Distr - Maint - Trouble - UG Storm |  | \$19,316 | 0.0\% | 100.0\% | \$0 | \$19,316 |
| 196 D-CRR-Capacitors-UG |  | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| 201 D-CRR-Storms-UG |  | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| 205 Distr - Maint - Damage Replacement - UG Line |  | \$174,701 | 0.0\% | 100.0\% | \$0 | \$174,701 |
| 0 Distr - Maint - UG Cable Rplcmnt - Unplanned |  | \$0 | 0.0\% | 100.0\% | \$0 | \$0 |
| 0 Distr - Maint - Services - UG Line |  | \$712,258 | 0.0\% | 0.0\% | \$0 | \$0 |
|  | Subtotal | \$4,475,530 |  |  |  |  |
|  |  |  |  |  | \$41,124,487 | \$30,300,766 |

Distribution - Maint - Trouble Calls - Non-storm Blanket

| $\$ 0$ | $77.7 \%$ | $22.3 \%$ |
| ---: | ---: | ---: |

$\$ 0$

| Distr - Maint - Tree Trimming - Planned |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Blanket | \$0 | 96.1\% | 3.9\% | \$0 | \$0 |
| O\&M | \$16,990,720 | 96.1\% | 3.9\% | \$16,328,489 | \$662,231 |
| Distr - Maint - Tree Trimming - Unplanned |  |  |  |  |  |
| Blanket | \$0 | 96.1\% | 3.9\% | \$0 | \$0 |
| O\&M | \$2,026,699 | 96.1\% | 3.9\% | \$1,947,706 | \$78,993 |
| Distr - Maint - Services - OH Line |  |  |  |  |  |
| Blanket | \$966,573 | 100.0\% | 0.0\% | \$966,573 | \$0 |
| O\&M | \$839,741 | 100.0\% | 0.0\% | \$839,741 | \$0 |
| Distr - Maint - Services - UG Line |  |  |  |  |  |
| Blanket | \$812,991 | 0.0\% | 100.0\% | \$0 | \$812,991 |
| O\&M | \$712,258 | 0.0\% | 100.0\% | \$0 | \$712,258 |

## ENERGY DELIVERY

 "2021" ADDER STUDYProvided by ED Business Planning

Toolkit

|  | Distribution CIAC |
| :---: | :---: |
| Total Corporate Accounting FRINGE Rates per Activity A\&G (for PSTEW) | 72.62\% |
| Other "Operating Labor" related adders: <br> Non-Productive Time* <br> Energy Delivery (Supervisory/Administrative) <br> Energy Delivery Engineering <br> Small Tools * | $\begin{array}{r} 13.00 \% \\ 15.18 \% \\ 0.00 \% \\ 5.39 \% \\ \hline \end{array}$ |
| TOTAL Other "Labor" related Adders | 33.58\% |
| TOTAL Fully Loaded "Labor" adders | 106.20\% |
| Fleet* as a \% of Labor (rate of settled labor w/ fringe) <br> Fleet* as a \% of Labor (rate excluding 37\% fringe) | $\begin{aligned} & \text { 14.81\% } \\ & \text { 20.29\% } \end{aligned}$ |
| "Material" related adders: <br> Stores Carrying Cost (ED Stores Clearing) * <br> Stores Carrying Cost (WH Space, Taxes, Insurance \& Obsolete Mat) <br> Stores Carrying Cost (Cost of Money - PDR only) <br> Self Help * | $\begin{aligned} & 4.30 \% \\ & 4.83 \% \\ & 0.00 \% \\ & 3.09 \% \end{aligned}$ |
| TOTAL "Material" related Adders | 12.22\% |
| Other "Contractor" related adders: <br> Energy Delivery (Supervisory/Administrative/Engineering) | 20.06\% |
| TOTAL Fully Loaded "Contractor" adders | 20.06\% |

* When determining final bill true up or calculating pay-after invoice using actual results, exclude these items, which will already be included in actuals


[^0]:    ${ }^{1}$ Includes Administration, General, Energy Delivery Supervison, \& Transportation
    ${ }^{2}$ Includes Meter
    ${ }^{3} 12.22 \%$ of all Material

[^1]:    ${ }^{1}$ Includes Administration, General, Energy Delivery Supervison, \& Transportation
    ${ }^{2}$ Includes Meter
    ${ }^{3} 12.22 \%$ of all Material

[^2]:    Tampa Electric did not engage in joint trenching during calendar year 2020.

[^3]:    Includes NPV of Operational Cost

[^4]:    OH Service Equivalent Description 10-2/0 AWG Triplex
    1ø-4/0 AWG Triplex

[^5]:    Note

    1. Formula $=($ NPV Life Cycle Cost $/$ Mile $) \times($ Miles of Line) $/$ (Number of Lots)
