



Dianne M. Triplett
ASSOCIATE GENERAL COUNSEL

March 30, 2017

VIA ELECTRONIC FILING

Ms. Carlotta Stauffer, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: *Duke Energy Florida, LLC's Petition for Approval of Revised Underground Residential Distribution Tariff Sheets*

Dear Ms. Stauffer:

On behalf of Duke Energy Florida, LLC ("DEF") and pursuant to rule 25-6.078, F.A.C., please find enclosed for filing:

DEF's Petition for Approval of Revised Underground Residential Distribution Tariff Sheets which includes:

- Exhibit A-Tariff Sheets-Clean;
- Exhibit B-Tariff Sheets-Legislative
- Exhibit C- Development of Updated Costs
- Exhibit D- Summary of Changes

Thank you for your assistance in this matter. Please feel free to call me at (727) 820-4692 should you have any questions concerning this filing.

Respectfully,

s/ Dianne M. Triplett

Dianne M. Triplett
Associate General Counsel

DMT/mw
Enclosures

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Petition of Duke Energy Florida, LLC
For Approval of Revised Underground Residential
Distribution Tariffs

Docket No. _____

Submitted for Filing: March 30, 2017

**PETITION FOR APPROVAL OF REVISED
UNDERGROUND RESIDENTIAL DISTRIBUTION TARIFFS**

Duke Energy Florida, LLC (“DEF” or the “Company”), pursuant to the requirements of Rule 25-6.078, Florida Administrative Code (F.A.C.), hereby requests that the Florida Public Service Commission (the “Commission” or “FPSC”) approve DEF’s Revised Underground Residential Distribution tariff sheets, as hereby amended, contained in the attached Exhibit A. The tariff sheets comprise DEF’s Underground Residential Distribution (“URD”) Policy established pursuant to Rule 25-6.078, F.A.C. and as set forth in Part XI of the Company’s Rules and Regulations Governing Electric Service.

As required by Rule 25-6.078, F.A.C., the revisions contained in the tariff sheets consists of updated URD charges based on the differential between the cost of overhead and underground facilities. Exhibit B provides the revised and amended tariff sheets in legislative format, showing the revisions to the currently effective tariff sheets. In support of its petition, DEF states as follows:

1. DEF is a public utility subject to the regulatory jurisdiction of the Commission pursuant to Chapter 366, Florida Statutes (F.S.).

2. All notices, pleadings, and correspondence required to be served on the petitioner should be directed to:

Dianne M. Triplett
299 1st Avenue North
St. Petersburg, FL 33701
(727) 820-4692
Dianne.triplett@duke-energy.com

Matthew R. Bernier
106 East College Avenue, Suite 800
Tallahassee, FL 32301
(850) 521-1428
Matthew.Bernier@duke-energy.com

3. Rule 25-6.078(3), F.A.C., requires DEF to file on or before October 15 of each year with the Commission Clerk Form PSC/ECO 13-E, Schedule 1, using current material and labor costs. If the cost differential as calculated in Schedule 1 varies from the Commission-approved differential by plus or minus 10 percent or more, the utility shall file a written policy and supporting data and analyses as prescribed in subsections (1), (4) and (5) of this rule on or before April 1 of the following year; however, each utility shall file a written policy and supporting data and analyses at least once every 3 years. Consistent with the ten percent plus or minus filing requirement, DEF filed revised URD tariff sheets on April 1, 2014 and approved by Order No. PSC-14-0396-TRF-EI.

4. The updated URD charges shown on the revised tariff sheets contained in Exhibit A have been calculated in accordance with the provisions of Rule 25-6.078, F.A.C. Exhibit C includes schedules from Form PSC/ECR 13E, *Overhead/Underground Residential Differential Cost Data*, which provides the underlying data and analyses supporting DEF's proposed URD charges, as specified in Rule 25-6.078, F.A.C.

5. The proposed URD charges for typical subdivision lots are contained in subsection 11.03(2)(a) of DEF's tariff rules and regulations and are provided in Exhibits A and B. A summary of the main reasons for the changes from the current URD charges are provided in Exhibit D.

6. The revisions to sections 11.03, 11.04 and 11.05 addressed above, affect three of the seven tariff sheets in Part XI, the URD section of the Company's Rules and Regulations Governing Electric Service, i.e., Sheets 4.113, 4.114, and 4.115. Also affected is Section 12.05 of the Company's tariff, i.e., Sheet 4.122.

WHEREFORE, Duke Energy Florida, LLC respectfully requests the Commission grant the petition and approve the revised and amended URD tariff sheets contained in Exhibit A hereto.

Respectfully submitted this 30th day of March, 2017.

s/Dianne M. Triplett

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REVISED URD TARIFF SHEETS

Nos. 4.113, 4.114, 4.115, and 4.122

(Clean Copy)



(2) Contribution by Applicant:

(a) Schedule of Charges:

Company standard design underground residential distribution 120/240 volt single-phase service (see also Part 11.03(7)):

To subdivisions with a density of 1.0 or more but less than six (6) dwelling units per acre.....\$694.00 per dwelling unit

To subdivisions with a density of six (6) or more dwelling units per acre\$403.00 per dwelling unit

To subdivisions with a density of six (6) or more dwelling units per acre taking service at ganged meter pedestals\$158.00 per dwelling unit

To multi-occupancy buildings.....See Part 11.06(2)

(b) The above costs are based upon arrangements that will permit serving the local underground distribution system within the subdivision from overhead feeder mains. If feeder mains within the subdivision are deemed necessary by the Company to provide and/or maintain adequate service and are required by the Applicant or a governmental agency to be installed underground, the Applicant shall pay the Company the average differential cost between such underground feeder mains within the subdivision and equivalent overhead feeder mains as follows:

Three-phase primary main or feeder charge per trench-foot within subdivision:

(U.G. - Underground, O.H. - Overhead)

#1/0 AWG U.G. vs. #1/0 AWG O.H..... \$3.02per foot

500 MCM U.G. vs. 336 MCM O.H..... \$11.54per foot

1000 MCM U.G. vs. 795 MCM O.H..... \$12.55per foot

The above costs are based on underground feeder construction using the direct burial method. If conduit is required, the following additional charge(s) will apply:

2 inch conduit\$2.06per foot

4 inch conduit\$3.40per foot

6 inch conduit\$5.06per foot

Cable pulling – single phase.....\$1.76per foot

Cable pulling – 3 phase small wire\$1.76per foot

Cable pulling – 3 phase feeder.....\$2.63per foot

The above costs do not require the use of pad-mounted switchgear(s), terminal pole(s), pull boxes or feeder splices. If such facilities are required, a differential cost for same will be determined by the Company on an individual basis and added to charges determined above.

(c) Credits (not to exceed the "average differential costs" stated above) will be allowed where, by mutual agreement, the Applicant provides trenching and backfilling for the use of the Company's facilities in lieu of a portion of the cash payment described above. These credits, based on the Company's design drawings, are:

Primary and/or Secondary Systems,
 for each Foot of Trench.....\$2.81

Service Laterals,
 for each Foot of Trench.....\$2.81

(Continued on Next Page)



(3) Point of Delivery:

The point of delivery shall be determined by the Company and will be on the front half of the side of the building that is nearest the point at which the underground secondary electric supply is available to the property. The Company will not install a service on the opposite side of the building where the underground secondary electric supply is available to the property. The point of delivery will only be allowed on the rear of the building by special exception. The Applicant shall pay the estimated full cost of service lateral length required in excess of that which would have been needed to reach the Company's designated point of service.

(4) Location of Meter and Socket:

The Applicant shall install a meter socket at the point designated by the Company in accordance with the Company's specifications. Every effort shall be made to locate the meter socket in unobstructed areas in order that the meter can be read without going through fences, etc.

(5) Development of Subdivisions:

The above charges are based on reasonably full use of the land being developed. Where the Company is required to construct underground electric facilities through a section or sections of the subdivision or development where service will not be required for at least two (2) years, the Company may require a deposit from the Applicant before construction is commenced. This deposit, to guarantee performance, will be based on the estimated total cost of such facilities rather than the differential cost. The amount of the deposit, without interest, in excess of any charges for underground service will be returned to the Applicant on a prorata basis at quarterly intervals on the basis of installations to new customers. Any portion of such deposit remaining unrefunded, after five (5) years from the date the Company is first ready to render service from the extension, will be retained by the company.

(6) Relocation or Removal of Existing Facilities:

If the Company is required to relocate or remove existing overhead and/or underground distribution facilities in the implementation of these Rules, all costs thereof shall be borne exclusively by the Applicant. These costs shall include costs of relocation or removal, the in-place value (less salvage) of the facilities so removed, and any additional costs due to existing landscaping, pavement or unusual conditions.

(7) Other Provisions:

If soil compaction is required by the Applicant at locations where Company trenching is done, an additional charge may be added to the charges set forth in this tariff. The charge will be estimated based on the Applicant's compaction specifications.

11.04 UNDERGROUND SERVICE LATERALS FROM OVERHEAD ELECTRIC DISTRIBUTION SYSTEMS.

(1) New Underground Service Laterals:

When requested by the Applicant, the Company will install underground service laterals from overhead systems to newly constructed residential buildings containing less than five (5) separate dwelling units.

(2) Contribution by Applicant:

- (a) The Applicant shall pay the Company the following average differential cost between an overhead service and an underground service lateral:

For Service Lateral up to 80 feet \$439.00
 For each foot over 80 feet up to 300 feet\$ 0.0 per foot

Service laterals in excess of 300 feet shall be based on a specific cost estimate.

- (b) Credits will be allowed where, by mutual agreement, the Applicant provides trenching and backfilling in accordance with the Company specifications and for the use of the Company facilities, in lieu of a portion of the cash payment described above. These credits, based on the Company's design drawings, are as follows:

For each Foot of Trench\$ 2.81

The provisions of Paragraphs 11.03(3) and 11.03(4) are also applicable.

(Continued on Next Page)



11.05 UNDERGROUND SERVICE LATERALS REPLACING EXISTING RESIDENTIAL OVERHEAD SERVICES:

Applicability:

When requested by the Applicant, the Company will install underground service laterals from existing overhead lines as replacements for existing overhead services to existing residential buildings containing less than five (5) separate dwelling units.

Rearrangement of Service Entrance:

The Applicant shall be responsible for any necessary rearranging of his existing electric service entrance facilities to accommodate the proposed underground service lateral in accordance with the Company's specifications.

Trenching:

The Applicant shall also provide, at no cost to the Company, a suitable trench and perform the backfilling and any landscaping, pavement, or other suitable repairs. If the Applicant requests the Company to supply the trench or remove any additional equipment other than the Service Lateral, the charge to the Applicant for this work shall be based on a specific cost estimate.

Contribution by Applicant:

The charge excluding trenching costs shall be as follows:

For Service Lateral\$815.00 per service

11.06 UNDERGROUND DISTRIBUTION FACILITIES TO MULTIPLE-OCCUPANCY RESIDENTIAL BUILDINGS:

(1) Availability:

Underground electric distribution facilities may be installed within the tract of land upon which multiple-occupancy residential buildings containing five (5) or more separate dwelling units will be constructed.

(2) Contribution by Applicant:

There will be no contribution from the Applicant so long as the Company is free to construct the extension in the most economical manner, and reasonably full use is made of the tract of land upon which the multiple-occupancy buildings will be constructed. Other conditions will require a contribution from the Applicant.

(3) Responsibility of Applicant:

- (a) Furnish details and specifications of the proposed building or complex of buildings. The Company will use these in the design of the electric distribution facilities required to render service.
- (b) Where the Company determines that transformers are to be located inside the building, the Applicant shall provide:
 - i. The vault or vaults necessary for the transformers and the associated equipment, including the ventilation equipment.
 - ii. The necessary raceways or conduit for the Company's supply cables from the vault or vaults to a suitable point five (5) feet outside the building in accordance with the Company's plans and specifications.
 - iii. Conduits underneath all buildings when required for the Company's supply cables. Such conduits shall extend five (5) feet beyond the edge of the buildings for joining to the Company's facilities.
 - iv. The service entrance conductors and raceways from the Applicant's service equipment to the designated point of delivery within the vault.

(Continued on Next Page)

12.05 CONSTRUCTION CONTRACT:**(1) GENERAL:**

Upon acceptance by the Applicant of the binding cost estimate, the Applicant shall execute a contract with the Company to perform the construction of the underground distribution facilities. The contract shall specify the type and character of system to be provided; establish the Facility Charge to be paid by Applicant prior to commencement of construction; specify details of construction to be performed by Applicant, if any; and address any other pertinent terms and conditions including those described in Part (4) below.

(2) FACILITY CHARGE:

Charge = Remaining net book value of existing overhead facilities to be removed;

- plus, removal cost of existing overhead facilities;
- minus, salvage value of existing overhead facilities;
- plus, estimated construction cost of underground facilities including underground service laterals to residential customers meters or point of delivery for general service customers;
- minus, estimated construction cost of overhead facilities including overhead service drops to customers' meters;
- minus, qualifying binding cost estimate fee.

plus/minus, the net present value of the lifecycle operational costs differential including storm restoration.

3) CONSTRUCTION BY APPLICANT:

If agreed upon by both the Applicant and the Company, the Applicant may construct or install portions of the underground system as long as such work meets the Company's engineering and construction standards. The Company will own and maintain the completed distribution facilities upon accepting the system as operational. The type of system provided will be determined by the Company's standards.

Any facilities provided by the Applicant will be inspected by Company inspectors prior to acceptance. Any deficiencies discovered as a result of these inspections will be corrected by the Applicant at his sole expense, including the costs incurred by performing the inspections. Corrections must be made in a timely manner by the Applicant, otherwise the Company will undertake the correction and bill the Applicant for all costs of such correction. These costs shall be additional to the original binding estimate.

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REVISED URD TARIFF SHEETS

Nos. 4.113, 4.114, 4.115, and 4.122

(Legislative Format)



(2) Contribution by Applicant:

(a) Schedule of Charges:

Company standard design underground residential distribution 120/240 volt single-phase service (see also Part 11.03(7)):

To subdivisions with a density of 1.0 or more but less than six (6) dwelling units per acre.....\$~~768~~~~694~~.00 per dwelling unit

To subdivisions with a density of six (6) or more dwelling units per acre\$~~459~~~~403~~.00 per dwelling unit

To subdivisions with a density of six (6) or more dwelling units per acre taking service at ganged meter pedestals\$~~244~~~~158~~.00 per dwelling unit

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(b) The above costs are based upon arrangements that will permit serving the local underground distribution system within the subdivision from overhead feeder mains. If feeder mains within the subdivision are deemed necessary by the Company to provide and/or maintain adequate service and are required by the Applicant or a governmental agency to be installed underground, the Applicant shall pay the Company the average differential cost between such underground feeder mains within the subdivision and equivalent overhead feeder mains as follows:

Three-phase primary main or feeder charge per trench-foot within subdivision:

(U.G. - Underground, O.H. - Overhead)

#1/0 AWG U.G. vs. #1/0 AWG O.H..... \$~~2~~~~493~~~~02~~per foot

500 MCM U.G. vs. 336 MCM O.H..... \$11.~~47~~~~54~~per foot

1000 MCM U.G. vs. 795 MCM O.H..... \$12.~~08~~~~55~~per foot

The above costs are based on underground feeder construction using the direct burial method. If conduit is required, the following additional charge(s) will apply:

2 inch conduit\$~~4~~~~792~~~~06~~per foot

4 inch conduit\$~~5~~~~253~~~~40~~per foot

6 inch conduit\$~~7~~~~185~~~~06~~per foot

Cable pulling – single phase.....\$~~1~~~~971~~~~76~~per foot

Cable pulling – 3 phase small wire\$~~1~~~~971~~~~76~~per foot

Cable pulling – 3 phase feeder.....\$~~2~~~~962~~~~63~~per foot

The above costs do not require the use of pad-mounted switchgear(s), terminal pole(s), pull boxes or feeder splices. If such facilities are required, a differential cost for same will be determined by the Company on an individual basis and added to charges determined above.

(c) Credits (not to exceed the "average differential costs" stated above) will be allowed where, by mutual agreement, the Applicant provides trenching and backfilling for the use of the Company's facilities in lieu of a portion of the cash payment described above. These credits, based on the Company's design drawings, are:

Primary and/or Secondary Systems,
for each Foot of Trench.....\$~~3~~~~682~~~~81~~

Service Laterals,
for each Foot of Trench.....\$~~3~~~~682~~~~81~~

(Continued on Next Page)



(3) Point of Delivery:

The point of delivery shall be determined by the Company and will be on the front half of the side of the building that is nearest the point at which the underground secondary electric supply is available to the property. The Company will not install a service on the opposite side of the building where the underground secondary electric supply is available to the property. The point of delivery will only be allowed on the rear of the building by special exception. The Applicant shall pay the estimated full cost of service lateral length required in excess of that which would have been needed to reach the Company's designated point of service.

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(6) Relocation or Removal of Existing Facilities:

If the Company is required to relocate or remove existing overhead and/or underground distribution facilities in the implementation of these Rules, all costs thereof shall be borne exclusively by the Applicant. These costs shall include costs of relocation or removal, the in-place value (less salvage) of the facilities so removed, and any additional costs due to existing landscaping, pavement or unusual conditions.

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(1) New Underground Service Laterals:

When requested by the Applicant, the Company will install underground service laterals from overhead systems to newly constructed residential buildings containing less than five (5) separate dwelling units.

(2) Contribution by Applicant:

- (a) The Applicant shall pay the Company the following average differential cost between an overhead service and an underground service lateral:

For Service Lateral up to 80 feet \$~~465439~~.00

For each foot over 80 feet up to 300 feet\$ 0.0 per foot

Service laterals in excess of 300 feet shall be based on a specific cost estimate.

- (b) Credits will be allowed where, by mutual agreement, the Applicant provides trenching and backfilling in accordance with the Company specifications and for the use of the Company facilities, in lieu of a portion of the cash payment described above. These credits, based on the Company's design drawings, are as follows:

For each Foot of Trench\$ ~~3-682.81~~

The provisions of Paragraphs 11.03(3) and 11.03(4) are also applicable.

(Continued on Next Page)



11.05 UNDERGROUND SERVICE LATERALS REPLACING EXISTING RESIDENTIAL OVERHEAD SERVICES:

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Trenching:

The Applicant shall also provide, at no cost to the Company, a suitable trench and perform the backfilling and any landscaping, pavement, or other suitable repairs. If the Applicant requests the Company to supply the trench or remove any additional equipment other than the Service Lateral, the charge to the Applicant for this work shall be based on a specific cost estimate.

Contribution by Applicant:

The charge excluding trenching costs shall be as follows:

For Service Lateral\$607815.00 per service

11.06 UNDERGROUND DISTRIBUTION FACILITIES TO MULTIPLE-OCCUPANCY RESIDENTIAL BUILDINGS:

(1) Availability:

Underground electric distribution facilities may be installed within the tract of land upon which multiple-occupancy residential buildings containing five (5) or more separate dwelling units will be constructed.

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There will be no contribution from the Applicant so long as the Company is free to construct the extension in the most economical manner, and reasonably full use is made of the tract of land upon which the multiple-occupancy buildings will be constructed. Other conditions will require a contribution from the Applicant.

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(2) FACILITY CHARGE:

Charge = Remaining net book value of existing overhead facilities to be removed;

plus, removal cost of existing overhead facilities;

minus, salvage value of existing overhead facilities;

plus, estimated construction cost of underground facilities including underground service laterals to residential customers meters or point of delivery for general service customers;

minus, estimated construction cost of overhead facilities including overhead service drops to customers' meters;

minus, qualifying binding cost estimate fee.

~~Plus/minus, \$247 per mile, (or \$0.05 per foot) of the existing overhead facilities. This represents~~ the net present value of the lifecycle operational costs differential including storm restoration.

3) CONSTRUCTION BY APPLICANT:

If agreed upon by both the Applicant and the Company, the Applicant may construct or install portions of the underground system as long as such work meets the Company's engineering and construction standards. The Company will own and maintain the completed distribution facilities upon accepting the system as operational. The type of system provided will be determined by the Company's standards.

Any facilities provided by the Applicant will be inspected by Company inspectors prior to acceptance. Any deficiencies discovered as a result of these inspections will be corrected by the Applicant at his sole expense, including the costs incurred by performing the inspections. Corrections must be made in a timely manner by the Applicant, otherwise the Company will undertake the correction and bill the Applicant for all costs of such correction. These costs shall be additional to the original binding estimate.

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DEVELOPMENT OF UPDATED COSTS

**Schedules from Form PSC/ECR 13E
And Detailed Cost Support**

**DUKE ENERGY FLORIDA
OVERHEAD/UNDERGROUND RESIDENTIAL COST ESTIMATE**

OVERHEAD vs. UNDERGROUND SUMMARY SHEET

SCHEDULE NO. 1

**LOW DENSITY 210 LOT SUBDIVISION
COST PER SERVICE LATERALS**

3/3/2017

ITEM	OVERHEAD	UNDERGROUND	DIFFERENTIAL
Labor	656	884	228
Material	413	593	180
SUB TOTAL	1,069	1,477	408
NPV of Life Cycle Operational Cost Including Storm Restoration and Pole Attachment Revenue			286
Total Including NPV of Life Cycle Cost			694

**DUKE ENERGY FLORIDA
OVERHEAD/UNDERGROUND RESIDENTIAL COST DATA**

COST PER SERVICE LATERAL OVERHEAD MATERIAL AND LABOR

SCHEDULE NO. 2

LOW DENSITY 210 LOT SUBDIVISION

ITEM	MATERIAL	LABOR	TOTAL
Service(2)	46.70	108.80	155.50
Primary	35.23	145.05	180.28
Secondary	53.43	52.89	106.32
Initial Tree Trim	0.00	0.00	0.00
Poles	56.88	85.23	142.11
Transformers	155.94	7.46	163.40
Sub-Total(1)	348.18	399.43	747.61
Stores Handling(3)	64.44	0.00	64.44
Sub-Total	412.62	399.43	812.05
Engineering(4)	0.00	55.52	55.52
Supervision (5)	0.00	115.28	115.28
Fleet (6)	0.00	85.52	85.52
TOTAL	412.62	655.75	1,068.37

1-Includes Sales Tax.

2-Meters not included - overhead and underground cost is the same.

3-Stores - Benchstock, Corporate Stores and Local Stores - 19.71% of material

4-Design and Project Management - 13.90% of labor

5-Management and supervision - 28.86% of labor

6 - Fleet - 21.41% of labor

**DUKE ENERGY FLORIDA
OVERHEAD/UNDERGROUND RESIDENTIAL COST DATA**

COST PER SERVICE LATERAL UNDERGROUND MATERIAL AND LABOR

SCHEDULE NO. 3

LOW DENSITY 210 LOT SUBDIVISION

ITEM	MATERIAL	LABOR	TOTAL
Service (2)	50.91	96.89	147.80
Primary	126.18	95.06	221.24
Secondary	131.70	75.96	207.66
Transformers	191.77	7.61	199.38
TRENCHING:			
Prim. & Secondary	0.00	145.05	145.05
Service	0.00	117.61	117.61
Sub-Total(1)	500.56	538.18	1,038.74
Stores Handling(3)	92.64	0.00	92.64
Sub-Total	593.20	538.18	1,131.38
Engineering(4)	0.00	74.81	74.81
Supervision (5)	0.00	155.32	155.32
Fleet (6)	0.00	115.22	115.22
TOTAL	593.20	883.53	1,476.73

1-Includes Sales Tax.

2-Meters not included - overhead and underground cost is the same.

3-Stores - Benchstock, Corporate Stores and Local Stores - 19.71% of material

4-Design and Project Management - 13.90% of labor

5-Management and supervision - 28.86% of labor

6 - Fleet - 21.41% of labor

**DUKE ENERGY FLORIDA
OVERHEAD/UNDERGROUND RESIDENTIAL COST ESTIMATE**

OVERHEAD vs. UNDERGROUND SUMMARY SHEET

SCHEDULE NO. 5

**HIGH DENSITY 176 LOT SUBDIVISION
COMPANY OWNED SERVICE LATERALS
COST PER SERVICE LATERAL**

Revised 3/3/2017

ITEM	OVERHEAD	UNDERGROUND	DIFFERENTIAL
Labor	536	740	204
Material	329	441	112
SUB TOTAL	865	1181	316
NPV of Life Cycle Operational Cost Including Storm Restoration and Pole Attachment Revenue			87
Total Including NPV of Life Cycle Cost			403

**DUKE ENERGY FLORIDA
OVERHEAD/UNDERGROUND RESIDENTIAL COST DATA**

COST PER SERVICE LATERAL OVERHEAD MATERIAL AND LABOR

SCHEDULE NO. 6

**HIGH DENSITY 176 LOT SUBDIVISION
COMPANY OWNED SERVICE LATERALS**

ITEM	MATERIAL	LABOR	TOTAL
Service(2)	33.48	114.21	147.69
Primary	19.90	72.16	92.06
Secondary	40.18	57.54	97.72
Initial Tree Trim	0.00	0.00	0.00
Poles	47.80	76.27	124.07
Transformers	136.12	6.26	142.38
Sub-Total(1)	277.48	326.44	603.92
Stores Handling(3)	51.35	0.00	51.35
Sub-Total	328.83	326.44	655.27
Engineering (4)	0.00	45.38	45.38
Supervision (5)	0.00	94.21	94.21
Fleet (6)	0.00	69.89	69.89
TOTAL	328.83	535.92	864.75

1-Includes Sales Tax.

2-Meters not included - overhead and underground cost is the same.

3-Stores - Benchstock, Corporate Stores and Local Stores - 19.71% of material

4-Design and Project Management - 13.90% of labor:

5-Management and supervision - 28.86% of labor

6 - Fleet - 21.41% of labor

**DUKE ENERGY FLORIDA
OVERHEAD/UNDERGROUND RESIDENTIAL COST DATA**

COST PER SERVICE LATERAL UNDERGROUND MATERIAL AND LABOR

SCHEDULE NO. 7

**HIGH DENSITY 176 LOT SUBDIVISION
COMPANY OWNED SERVICE LATERALS**

ITEM	MATERIAL	LABOR	TOTAL
Service (2)	46.92	96.65	143.57
Primary	67.44	88.37	155.81
Secondary	80.96	55.25	136.21
Transformers	176.62	6.71	183.33
TRENCHING:			
Prim. & Secondary	0.00	85.96	85.96
Service	0.00	117.61	117.61
Sub-Total	371.94	450.55	822.49
Stores Handling(3)	68.83	0.00	68.83
Sub-Total	440.77	450.55	891.32
Engineering (4)	0.00	62.63	62.63
Supervision (5)	0.00	130.03	130.03
Fleet (6)	0.00	96.46	96.46
TOTAL	440.77	739.67	1,180.44

1-Includes Sales Tax.

2-Meters not included - overhead and underground cost is the same.

3-Stores - Benchstock, Corporate Stores and Local Stores - 19.71% of material

4-Design and Project Management - 13.90% of labor:

5-Management and supervision - 28.86% of labor

6 - Fleet - 21.41% of labor

**DUKE ENERGY FLORIDA
OVERHEAD/UNDERGROUND RESIDENTIAL COST ESTIMATE**

OVERHEAD vs. UNDERGROUND SUMMARY SHEET

SCHEDULE NO. 8

**HIGH DENSITY 176 LOT SUBDIVISION
GANGED METERS
COST PER SERVICE**

Revised 3/3/2017

ITEM	OVERHEAD	UNDERGROUND	DIFFERENTIAL
Labor	324	370	46
Material	285	316	31
SUB TOTAL	609	686	77
NPV of Life Cycle Operational Cost Including Storm Restoration and Pole Attachment Revenue			81
Total Including NPV of Life Cycle Cost			158

**DUKE ENERGY FLORIDA
OVERHEAD/UNDERGROUND RESIDENTIAL COST DATA**

COST PER SERVICE OVERHEAD MATERIAL AND LABOR

SCHEDULE NO. 9

**HIGH DENSITY 176 LOT SUBDIVISION
GANGED METERS**

ITEM	MATERIAL	LABOR	TOTAL
Service(2)	20.19	21.28	41.47
Primary	22.96	72.71	95.67
Secondary	28.80	47.57	76.37
Initial Tree Trim	0.00	0.00	0.00
Poles	35.23	50.85	86.08
Transformers	132.93	5.04	137.97
Sub-Total(1)	240.11	197.45	437.56
Stores Handling(3)	44.44	0.00	44.44
Sub-Total	284.55	197.45	482.00
Engineering(4)	0.00	27.44	27.44
Supervision (5)	0.00	56.98	56.98
Fleet (6)	0.00	42.27	42.27
TOTAL	284.55	324.14	608.69

1-Includes Sales Tax.

2-Meters not included - meter cost is the same for overhead and underground

3-19.71% of total material cost is comprised of 10.0% local stores, 0% corporate stores, 9.71% benchstock materials:

4-Design and Project Management - 13.90% of labor:

5-Management and supervision - 28.86% of labor

6 - Fleet - 21.41% of labor

**DUKE ENERGY FLORIDA
OVERHEAD/UNDERGROUND RESIDENTIAL COST DATA**

COST PER SERVICE UNDERGROUND MATERIAL AND LABOR

SCHEDULE NO. 10

**HIGH DENSITY 176 LOT SUBDIVISION
GANGED METERS**

ITEM	MATERIAL	LABOR	TOTAL
Service (2)	62.20	49.68	111.88
Primary	54.94	65.39	120.33
Secondary			0.00
Transformers	149.63	5.53	155.16
TRENCHING:			
Prim. & Secondary	0.00	42.24	42.24
Service	0.00	62.47	62.47
Sub-Total (1)	266.77	225.31	492.08
Stores Handling(3)	49.37	0.00	49.37
Sub-Total	316.14	225.31	541.45
Engineering(4)	0.00	31.32	31.32
Supervision (5)	0.00	65.02	65.02
Fleet (6)	0.00	48.24	48.24
TOTAL	316.14	369.89	686.03

1-Includes Sales Tax.

2-Meters not included - meter cost is the same for overhead and underground

3-19.71% of total material cost is comprised of 10.0% local stores, 0% corporate stores, 9.71% benchstock materials:

4-Design and Project Management - 13.90% of labor:

5-Management and supervision - 28.86% of labor

6 - Fleet - 21.41% of labor

Duke Energy Florida
Actuals for 5 Year Period of 2012-2016
Summary of NPV Life Cycle Costs per mile for Overhead and Underground Distribution
Including Storm Costs and Pole Attachment Revenues

	Including Storm	Excluding Storm	Storm
5 year average OH Unit Costs in 2016 Dollars - Annual	\$ 5,750	\$ 5,098	\$ 652
5 year average UG Unit Costs in 2016 Dollars - Annual	\$ 5,502	\$ 5,320	\$ 182
Differential in 2016 Dollars - OH more (less) than UG	\$ 248	\$ (222)	\$ 470

NPV of 34 Year Life Cycle

Overhead	\$ 104,020	\$92,225	\$11,795
Underground	\$ 99,534	\$96,241	\$3,292
Differential - OH more (less) than UG	\$ 4,486	\$ (4,016)	\$ 8,503

NPV Life Cycle Costs - Per Lot Differentials

	OHD	UG			
Low Density					
Feet of Line	9,625	13,250			
Miles of Line	1.82	2.51			
Number of Lots	210	210			
Per Lot - OHD			\$ 903	\$ 801	\$ 102
Per Lot - UG			\$ 1,189	\$ 1,150	\$ 39
Per Lot - Differential			\$ 286	\$ 350	\$ (63)
High Density-IND					
Feet of Line	4,621	5,645			
Miles of Line	0.88	1.07			
Number of Lots	176	176			
Per Lot - OHD			\$ 517	\$ 459	\$ 59
Per Lot - UG			\$ 605	\$ 585	\$ 20
Per Lot - Differential			\$ 87	\$ 126	\$ (39)
High Density-GNG					
Feet of Line	3,435	4,347			
Miles of Line	0.65	0.82			
Number of Lots	176	176			
Per Lot - OHD			\$ 385	\$ 341	\$ 44
Per Lot - UG			\$ 466	\$ 450	\$ 15
Per Lot - Differential			\$ 81	\$ 109	\$ (28)

**DUKE ENERGY FLORIDA
OVERHEAD / UNDERGROUND RESIDENTIAL COST DATA**

AVERAGE UNDERGROUND FEEDER COSTS

**SCHEDULE NO. 12
3/6/2017**

1/0 Al. Underground Cable

	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$34,165.20	\$12,128.42	\$46,293.62
Fleet - 21.41% of labor		\$2,596.69	\$2,596.69
Subtotal			\$48,890.31
Engineering and Supervision			\$5,186.11
Total			\$54,076.42

1/0 AAAC Overhead Conductor

	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$9,040.35	\$20,463.68	\$29,504.03
Fleet - 21.41% of labor	\$0.00	\$4,381.28	\$4,381.28
Subtotal			\$33,885.31
Engineering and Supervision			\$8,750.27
Total			\$42,635.58
NPV Life Cycle Cost	\$0.85		

$$\begin{aligned} \text{Differential} &= (54,076.42 - 42,635.58) / 5280 \text{ plus NPV} \\ &= \boxed{\$3.02} / \text{ft.} \end{aligned}$$



Detailed Cost Estimate

WR Nbr: 1453901

WR Revision: 12

3 PHASE OVERHEAD DESIGN - SMALL CABLE

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$2,844.45
FLEET - PEF	\$4,381.28
MANAGEMENT & SUPV - PEF	\$5,905.82
	<hr/>
	\$13,131.55

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
GROUNDING								
GAR1F	8054318	I	12	\$0.00	\$192.46	\$192.46	3.6	REVENUE
GOWE6F	8054318	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
GRODFRF	8054318	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
MISC								
KSTC10ALF	8054318	I	12	\$0.00	\$128.30	\$128.30	2.4	REVENUE
OH ARRESTOR								
ARROH10F	8054318	I	12	\$0.00	\$320.76	\$320.76	6.0	REVENUE
OH MISC								
BKTLA18FGF	8054318	I	12	\$0.00	\$192.46	\$192.46	3.6	REVENUE
HTIEN6CSDF	8054318	I	12	\$0.00	\$128.30	\$128.30	2.4	REVENUE
IHPTT35F	8054318	I	63	\$0.00	\$2,020.79	\$2,020.79	37.8	REVENUE
ISGAINGRID55F	8054318	I	51	\$0.00	\$545.29	\$545.29	10.2	REVENUE
ISPLF	8054318	I	17	\$0.00	\$90.88	\$90.88	1.7	REVENUE
ISSTUDBOLT5812F	8054318	I	63	\$0.00	\$673.60	\$673.60	12.6	REVENUE
NEUSPTIE10ALF	8054318	I	25	\$0.00	\$267.30	\$267.30	5.0	REVENUE
NSATTACHTANF	8054318	I	17	\$0.00	\$4.54	\$4.54	.1	REVENUE
NSSB12F	8054318	I	17	\$0.00	\$90.88	\$90.88	1.7	REVENUE
STIEF10ALF	8054318	I	51	\$0.00	\$545.29	\$545.29	10.2	REVENUE
WGPTPERCHDETSMF	8054318	I	5	\$114.35	\$5.35	\$119.70	.1	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	8054318	I	17	\$0.00	\$636.17	\$636.17	11.9	REVENUE
WOP10AAACF	8054318	I	21120	\$4,845.98	\$11,290.75	\$16,136.73	211.2	REVENUE
OH RECLOSER								
RCRISERN2CUF	8054318	I	12	\$0.00	\$641.52	\$641.52	12.0	REVENUE
POLE								
OHLTLABSETUPF	8054318	I	17	\$0.00	\$636.17	\$636.17	11.9	REVENUE
P454F	8054318	I	17	\$4,080.02	\$1,817.64	\$5,897.66	34.0	REVENUE
Subtotal:				<hr/>	<hr/>	<hr/>	<hr/>	
				\$9,040.35	\$20,463.68	\$29,504.03	382.8	

Total Construction Cost \$42,635.58

Total CIAC \$0.00



Detailed Cost Estimate

WR Nbr: 1453901
WR Revision: 12

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Capital Construction Cost	\$42,635.57	100.00%
	<u>\$42,635.57</u>	



Detailed Cost Estimate

WR Nbr: 1453901

WR Revision: 13

3 PHASE UNDERGROUND DESIGN - SMALL CABLE

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$1,685.85
FLEET - PEF	\$2,596.69
MANAGEMENT & SUPV - PEF	\$3,500.26
	<u>\$7,782.80</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
UGLABPRISPITF	8054321	I	5	\$0.00	\$427.68	\$427.68	8.0	REVENUE
GROUNDING								
GUAR1F	8054321	I	12	\$0.00	\$192.46	\$192.46	3.6	REVENUE
GURODFRF	8054321	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
TRENCH AND BORE								
TBTR38F	8054321	I	5280	\$0.00	\$9,028.80	\$9,028.80	158.4	REVENUE
UG MISC								
SPPRI1010SF	8054321	I	15	\$0.00	\$641.52	\$641.52	12.0	REVENUE
UG PRIMARY COND								
CABTRBPSF	8054321	I	5280	\$0.00	\$282.27	\$282.27	5.3	REVENUE
UGLABSETUPF	8054321	I	5	\$0.00	\$53.46	\$53.46	1.0	REVENUE
WUP10ALXJ153CF	8054321	I	5300	\$34,165.20	\$1,416.69	\$35,581.89	26.5	REVENUE
Subtotal:				<u>\$34,165.20</u>	<u>\$12,128.42</u>	<u>\$46,293.62</u>	<u>216.4</u>	

Total Construction Cost \$54,076.42

Total CIAC \$0.00

Capital Construction Cost	\$54,076.41	100.00%
	<u>\$54,076.41</u>	

**DUKE ENERGY FLORIDA
OVERHEAD / UNDERGROUND RESIDENTIAL COST DATA**

AVERAGE UNDERGROUND FEEDER COSTS

SCHEDULE NO. 12

500 MCM Al. Underground Cable

	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$77,254.11	\$16,373.14	\$93,627.25
Fleet - 21.41% of labor	\$0.00	\$3,505.49	\$3,505.49
Subtotal			\$97,132.74
Engineering and Supervision			\$7,001.16
Total			\$104,133.90

336 MCM AAAC Overhead Conductor

	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$11,739.50	\$21,898.57	\$33,638.07
Fleet - 21.41% of labor	\$0.00	\$4,688.48	\$4,688.48
Subtotal			\$38,326.55
Engineering and Supervision			\$9,363.82
Total			\$47,690.37

NPV Life Cycle Cost \$0.85

$$\begin{aligned} \text{Differential} &= (104,133.90 - 47,690.37) / 5280 \text{ plus NPV} \\ &= \boxed{\$11.54} / \text{ft.} \end{aligned}$$



Detailed Cost Estimate

WR Nbr: 1453901

WR Revision: 10

3 PHASE OVERHEAD DESIGN - MEDIUM CABLE

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$3,043.90
FLEET - PEF	\$4,688.48
MANAGEMENT & SUPV - PEF	\$6,319.92
	<u>\$14,052.30</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
GROUNDING								
GAR1F	8054318	I	12	\$0.00	\$192.46	\$192.46	3.6	REVENUE
GOWE6F	8054318	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
GRODFRF	8054318	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
MISC								
KWS33F	8054318	I	12	\$0.00	\$64.15	\$64.15	1.2	REVENUE
OH ARRESTOR								
ARROH10F	8054318	I	12	\$0.00	\$320.76	\$320.76	6.0	REVENUE
OH MISC								
BKTLA18FGF	8054318	I	12	\$0.00	\$192.46	\$192.46	3.6	REVENUE
HTIEN6CSDF	8054318	I	12	\$0.00	\$128.30	\$128.30	2.4	REVENUE
IHPTT35F	8054318	I	75	\$0.00	\$2,405.70	\$2,405.70	45.0	REVENUE
ISGAINGRID55F	8054318	I	63	\$0.00	\$673.60	\$673.60	12.6	REVENUE
ISPLF	8054318	I	21	\$0.00	\$112.27	\$112.27	2.1	REVENUE
ISSTUDBOLT5812F	8054318	I	75	\$0.00	\$801.90	\$801.90	15.0	REVENUE
NEUSPTIE10ALF	8054318	I	21	\$0.00	\$224.53	\$224.53	4.2	REVENUE
NSATTACHTANF	8054318	I	21	\$0.00	\$5.61	\$5.61	.1	REVENUE
NSSB12F	8054318	I	21	\$0.00	\$112.27	\$112.27	2.1	REVENUE
STIEF338ALF	8054318	I	63	\$0.00	\$673.60	\$673.60	12.6	REVENUE
WGPTPERCHDETSMF	8054318	I	6	\$137.22	\$6.42	\$143.64	.1	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	8054318	I	21	\$0.00	\$785.86	\$785.86	14.7	REVENUE
WOP10AAACF	8054318	I	5280	\$1,211.49	\$2,822.69	\$4,034.18	52.8	REVENUE
WOP336AACF	8054318	I	15840	\$5,350.77	\$8,468.06	\$13,818.83	158.4	REVENUE
OH RECLOSER								
RCRISERN2CUF	8054318	I	12	\$0.00	\$641.52	\$641.52	12.0	REVENUE
POLE								
OHTLABSETUPF	8054318	I	21	\$0.00	\$785.86	\$785.86	14.7	REVENUE
P454F	8054318	I	21	\$5,040.02	\$2,245.32	\$7,285.34	42.0	REVENUE
Subtotal:				<u>\$11,739.50</u>	<u>\$21,898.57</u>	<u>\$33,638.07</u>	<u>409.8</u>	

Total Construction Cost \$47,690.37

Total CIAC \$0.00



Detailed Cost Estimate

WR Nbr: 1453901
WR Revision: 10

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Capital Construction Cost	\$47,690.35	100.00%
	<u>\$47,690.35</u>	



Detailed Cost Estimate

WR Nbr: 1453901

WR Revision: 11

3 PHASE UNDERGROUND DESIGN - MEDIUM CABLE

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$2,275.87
FLEET - PEF	\$3,505.49
MANAGEMENT & SUPV - PEF	\$4,725.29
	<u>\$10,506.65</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
UGLABPRISPITF	8054321	I	5	\$0.00	\$427.68	\$427.68	8.0	REVENUE
GROUNDING								
GUAR1F	8054321	I	12	\$0.00	\$192.46	\$192.46	3.6	REVENUE
GURODFRF	8054321	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
TRENCH AND BORE								
TBTR36F	8054321	I	5280	\$0.00	\$9,028.80	\$9,028.80	158.4	REVENUE
UG MISC								
SPPRI500500F	8054321	I	15	\$3,012.19	\$641.52	\$3,653.71	12.0	REVENUE
UG PRIMARY COND								
CABTRBPLF	8054321	I	5280	\$0.00	\$1,693.81	\$1,693.81	31.7	REVENUE
UGLABSETUPF	8054321	I	5	\$0.00	\$53.46	\$53.46	1.0	REVENUE
WUP500ALXLC15F	8054321	I	15900	\$74,241.92	\$4,250.07	\$78,491.99	79.5	REVENUE
Subtotal:				<u>\$77,254.11</u>	<u>\$16,373.14</u>	<u>\$93,627.25</u>	<u>295.8</u>	

Total Construction Cost \$104,133.90

Total CIAC \$0.00

Capital Construction Cost	\$104,133.88	100.00%
	<u>\$104,133.88</u>	

**DUKE ENERGY FLORIDA
OVERHEAD / UNDERGROUND RESIDENTIAL COST DATA**

AVERAGE UNDERGROUND FEEDER COSTS

SCHEDULE NO. 12

1000 MCM Al. Underground Cable

	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$103,090.61	\$16,373.14	\$119,463.75
Fleet - 21.41% of labor	\$0.00	\$3,505.49	\$3,505.49
Subtotal			\$122,969.24
Engineering and Supervision			\$7,001.16
Total			\$129,970.40

795 MCM AAAC Overhead Conductor

	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$29,541.95	\$23,547.25	\$53,089.20
Fleet - 21.41% of labor	\$0.00	\$5,041.47	\$5,041.47
Subtotal			\$58,130.67
Engineering and Supervision			\$10,068.81
Total			\$68,199.48

NPV Life Cycle Cost \$0.85

Differential = (129,970.40 - 68199.48) / 5280 plus NPV

= \$12.55 /ft.



Detailed Cost Estimate

WR Nbr: 1453901

WR Revision: 8

3 PHASE OVERHEAD DESIGN - LARGE CABLE

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$3,273.07
FLEET - PEF	\$5,041.47
MANAGEMENT & SUPV - PEF	\$6,795.74
	<u>\$15,110.28</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
GROUNDING								
GAR1F	8054318	I	12	\$0.00	\$192.46	\$192.46	3.6	REVENUE
GOWE6F	8054318	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
GRODFRF	8054318	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
MISC								
KSTB79ALF	8054318	I	12	\$0.00	\$128.30	\$128.30	2.4	REVENUE
OH ARRESTOR								
ARROH10F	8054318	I	12	\$0.00	\$320.76	\$320.76	6.0	REVENUE
OH MISC								
BKTLA18FGF	8054318	I	12	\$0.00	\$192.46	\$192.46	3.6	REVENUE
HTIEN6CSDF	8054318	I	12	\$0.00	\$128.30	\$128.30	2.4	REVENUE
IHPTT35F	8054318	I	87	\$0.00	\$2,790.61	\$2,790.61	52.2	REVENUE
ISGAINGRID55F	8054318	I	75	\$0.00	\$801.90	\$801.90	15.0	REVENUE
ISPLF	8054318	I	25	\$0.00	\$133.65	\$133.65	2.5	REVENUE
ISSTUDBOLT5812F	8054318	I	87	\$0.00	\$930.20	\$930.20	17.4	REVENUE
NEUSPTIE10ALF	8054318	I	25	\$0.00	\$267.30	\$267.30	5.0	REVENUE
NSATTACHTANF	8054318	I	25	\$0.00	\$6.68	\$6.68	.1	REVENUE
NSSB12F	8054318	I	25	\$0.00	\$133.65	\$133.65	2.5	REVENUE
STIEF795ALF	8054318	I	75	\$0.00	\$801.90	\$801.90	15.0	REVENUE
WGPTPERCHDETSMF	8054318	I	7	\$160.08	\$7.48	\$167.56	.1	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	8054318	I	25	\$0.00	\$935.55	\$935.55	17.5	REVENUE
WOP10AAACF	8054318	I	5280	\$1,211.49	\$2,822.69	\$4,034.18	52.8	REVENUE
WOP795AACF	8054318	I	15840	\$22,170.36	\$8,468.06	\$30,638.42	158.4	REVENUE
OH RECLOSER								
RCRISERN2CUF	8054318	I	12	\$0.00	\$641.52	\$641.52	12.0	REVENUE
POLE								
OHTLABSETUPF	8054318	I	25	\$0.00	\$935.55	\$935.55	17.5	REVENUE
P454F	8054318	I	25	\$6,000.02	\$2,673.00	\$8,673.02	50.0	REVENUE
Subtotal:				<u>\$29,541.85</u>	<u>\$23,547.25</u>	<u>\$53,089.20</u>	<u>440.5</u>	

Total Construction Cost

\$68,199.47

Total CIAC

\$0.00



Detailed Cost Estimate

WR Nbr: 1453901
WR Revision: 8

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Capital Construction Cost	\$68,199.49	100.00%
	<u>\$68,199.49</u>	



Detailed Cost Estimate

WR Nbr: 1453901

WR Revision: 9

3 PHASE UNDERGROUND DESIGN - LARGE CABLE

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer #:
WR Owner: ROBERT E MCCABE

Scheduled Start Date:

Requested Completion Date: 12/31/2017

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$2,275.87
FLEET - PEF	\$3,505.49
MANAGEMENT & SUPV - PEF	\$4,725.29
	<u>\$10,506.65</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
UGLABPRISPITF	8054321	I	5	\$.00	\$427.68	\$427.68	8.0	REVENUE
GROUNDING								
GUAR1F	8054321	I	12	\$.00	\$192.46	\$192.46	3.6	REVENUE
GURODFRF	8054321	I	4	\$.00	\$85.54	\$85.54	1.6	REVENUE
TRENCH AND BORE								
TBTR36F	8054321	I	5280	\$.00	\$9,028.80	\$9,028.80	158.4	REVENUE
UG MISC								
SPPRI1K1KF	8054321	I	15	\$4,587.82	\$641.52	\$5,229.34	12.0	REVENUE
UG PRIMARY COND								
CABTRBPLF	8054321	I	5280	\$.00	\$1,693.61	\$1,693.61	31.7	REVENUE
UGLABSETUPF	8054321	I	5	\$.00	\$53.46	\$53.46	1.0	REVENUE
WUP1000ALXLC15F	8054321	I	15900	\$98,502.79	\$4,250.07	\$102,752.86	79.5	REVENUE
Subtotal:				<u>\$103,090.61</u>	<u>\$16,373.14</u>	<u>\$119,463.75</u>	<u>295.8</u>	

Total Construction Cost \$129,970.40

Total CIAC \$0.00

Capital Construction Cost	\$129,970.39	100.00%
	<u>\$129,970.39</u>	

SCHEDULE 40 CONDUIT

date 3/6/2017

Fixed Cost from computer study			
2" conduit	labor	material	total
	\$ 836.10	\$ 688.35	\$ 1,524.45
subtotal			\$ 1,524.45
fleet			\$ 179.01
engineering supervision			\$ 357.52
stores loading (Included in materials)			\$ -
total			\$ 2,060.98
total = 1000' conduit with 6 bends, no trenching			
		cost per foot	\$ 2.06

Fixed Cost from computer study			
4" conduit	labor	material	total
	\$ 888.00	\$ 1,937.58	\$ 2,825.58
subtotal			\$ 2,825.58
fleet			\$ 190.12
engineering supervision			\$ 379.71
stores loading (Included in materials)			\$ -
total			\$ 3,395.41
total = 1000' conduit with 6 bends, no trenching			
		cost per foot	\$ 3.40

Fixed Cost from computer study			
6" conduit	labor	material	total
	\$ 888.00	\$ 3,601.09	\$ 4,489.09
subtotal			\$ 4,489.09
fleet			\$ 190.12
engineering supervision			\$ 379.71
stores loading (Included in materials)			\$ -
total			\$ 5,058.92
total = 1000' conduit with 6 bends, no trenching			
		cost per foot	\$ 5.06



Detailed Cost Estimate

WR Nbr: 1453901

WR Revision: 1

2 INCH CONDUIT COST

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$116.22
FLEET - PEF	\$179.01
MANAGEMENT & SUPV - PEF	\$241.30
	<u>\$536.53</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
BD40PVC903620F	UNKNOWN	I	6	\$.00	\$34.20	\$34.20	.6	REVENUE
CND40PVC20F	UNKNOWN	I	1000	\$688.35	\$267.30	\$955.65	5.0	REVENUE
CNDSTRDMF	UNKNOWN	I	1000	\$.00	\$534.60	\$534.60	10.0	REVENUE
Subtotal:				<u>\$688.35</u>	<u>\$836.10</u>	<u>\$1,524.45</u>	<u>15.6</u>	
Total Construction Cost						\$2,060.98		

Total CIAC

Capital Construction Cost	<u>\$2,060.97</u>	100.00%
	<u>\$2,060.97</u>	



Detailed Cost Estimate

WR Nbr: 1453901
WR Revision: 2

4 INCH CONDUIT COST

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$123.43
FLEET - PEF	\$190.12
MANAGEMENT & SUPV - PEF	\$256.28
	<u>\$569.83</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
BD40PVC903640F	2921147	I	6	\$0.00	\$68.40	\$68.40	1.2	REVENUE
CND40PVC40F	2921147	I	1000	\$1,937.58	\$285.00	\$2,222.58	5.0	REVENUE
CNDSTRDLF	2921147	I	1000	\$0.00	\$534.60	\$534.60	10.0	REVENUE
Subtotal:				<u>\$1,937.58</u>	<u>\$888.00</u>	<u>\$2,825.58</u>	<u>16.2</u>	
Total Construction Cost						\$3,395.41		
Total CIAC						\$0.00		

Capital Construction Cost	<u>\$3,395.41</u>	100.00%
	<u>\$3,395.41</u>	



Detailed Cost Estimate

WR Nbr: 1453901

WR Revision: 3

6 INCH CONDUIT COST

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer #:

Scheduled Start Date:

WR Owner: ROBERT E MCCABE

Requested Completion Date: 12/31/2017

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$123.43
FLEET - PEF	\$190.12
MANAGEMENT & SUPV - PEF	\$256.28
	<u>\$569.83</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
8D40PVC903660F	2921147	I	6	\$0.00	\$68.40	\$68.40	1.2	REVENUE
CND40PVC60F	2921147	I	1000	\$3,601.09	\$285.00	\$3,886.09	5.0	REVENUE
CNDSTRDMF	2921147	I	1000	\$0.00	\$534.60	\$534.60	10.0	REVENUE
Subtotal:				<u>\$3,601.09</u>	<u>\$888.00</u>	<u>\$4,489.09</u>	<u>16.2</u>	
Total Construction Cost						\$5,058.92		
Total CIAC						\$5,058.92		

Capital Construction Cost	<u>\$5,058.92</u>	100.00%
	<u>\$5,058.92</u>	

CABLE PULLING

date 3/6/2017

Fixed Cost from computer study			
Single Phase	labor	material	total
	\$ 106.92	\$ -	\$ 106.92
subtotal			\$ 106.92
fleet			\$ 22.89
engineering supervision			\$ 45.72
stores loading (Included in materials)			\$ -
total			\$ 175.53
total = 100' cable pull in clean, capped conduit w pull string			
cost per foot			\$ 1.76

Fixed Cost from computer study			
3 phase small wire	labor	material	total
	\$ 106.92	\$ -	\$ 106.92
subtotal			\$ 106.92
fleet			\$ 22.89
engineering supervision			\$ 45.72
stores loading (Included in materials)			\$ -
total			\$ 175.53
total = 100' cable pull in clean, capped conduit w pull string			
cost per foot			\$ 1.76

Fixed Cost from computer study			
3 phase feeder	labor	material	total
	\$ 160.38	\$ -	\$ 160.38
subtotal			\$ 160.38
fleet			\$ 34.34
engineering supervision			\$ 68.58
stores loading (Included in materials)			\$ -
total			\$ 263.30
total = 100' cable pull in clean, capped conduit w pull string			
cost per foot			\$ 2.63



Detailed Cost Estimate

WR Nbr: 1453901

WR Revision: 4

CABLE PULLING - SINGLE PHASE

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$14.86
FLEET - PEF	\$22.89
MANAGEMENT & SUPV - PEF	\$30.86
	<u>\$68.61</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
UG PRIMARY COND								
CABNCND1PLE500F	2921147	I	100	\$0.00	\$106.92	\$106.92	2.0	REVENUE
Subtotal:				<u>\$0.00</u>	<u>\$106.92</u>	<u>\$106.92</u>	<u>2.0</u>	
Total Construction Cost						\$175.53		

Total CIAC

Capital Construction Cost	<u>\$175.53</u>	100.00%
	<u>\$175.53</u>	



Detailed Cost Estimate

WR Nbr: 1453901
WR Revision: 5

CABLE PULLING - 3 PHASE - SMALL CABLE

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$14.86
FLEET - PEF	\$22.89
MANAGEMENT & SUPV - PEF	\$30.86
	<u>\$68.61</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
UG PRIMARY COND								
CABNCND3PLE500F	2921147	I	100	\$0.00	\$106.92	\$106.92	2.0	REVENUE
Subtotal:				<u>\$0.00</u>	<u>\$106.92</u>	<u>\$106.92</u>	<u>2.0</u>	
Total Construction Cost						\$175.53		
Total CIAC						\$0.00		

Capital Construction Cost	<u>\$175.53</u>	100.00%
	<u>\$175.53</u>	



Detailed Cost Estimate

WR Nbr: 1453901

WR Revision: 6

CABLE PULLING - 3 PHASE - LARGE CABLE

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$22.29
FLEET - PEF	\$34.34
MANAGEMENT & SUPV - PEF	\$46.29
	<u>\$102.92</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
UG PRIMARY COND								
CABNCND3PGE750F	2921147	I	100	\$0.00	\$160.38	\$160.38	3.0	REVENUE
Subtotal:				<u>\$0.00</u>	<u>\$160.38</u>	<u>\$160.38</u>	<u>3.0</u>	
Total Construction Cost						\$263.30		
Total CIAC						\$0.00		

Capital Construction Cost	<u>\$263.30</u>	100.00%
	<u>\$263.30</u>	

TRENCH CREDIT

date 3/6/2017

Fixed Cost from computer study			
Trench	labor	material	total
	\$ 1,710.00	\$ -	\$ 1,710.00
subtotal			\$ 1,710.00
fleet			\$ 366.11
engineering supervision			\$ 731.20
stores loading (Included in materials)			\$ -
total			\$ 2,807.31
total = 1000' machine trench with backfill			
		cost per foot	\$ 2.81



Detailed Cost Estimate

WR Nbr: 1453901
WR Revision: 7

TRENCH CREDIT CALCULATION

Operating District: ST PETERSBURG

Customer Name: 11.03(2B) 2017 LONG FILING -
CONDUIT TRENCHING AND
DIFFERENT
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.03(2B) 2017 LONG FILING - CONDUIT TRENCHING AND DIFFERENT

Item	Total
DESIGN AND PROJ MGT PEF	\$237.69
FLEET - PEF	\$366.11
MANAGEMENT & SUPV - PEF	\$493.51
	<u>\$1,097.31</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
TRENCH AND BORE								
TBTR36F	2921146	I	1000	\$00	\$1,710.00	\$1,710.00	30.0	REVENUE
Subtotal:				<u>\$00</u>	<u>\$1,710.00</u>	<u>\$1,710.00</u>	<u>30.0</u>	
Total Construction Cost						\$2,807.31		
Total CIAC						\$2,807.31		
Capital Construction Cost				<u>\$2,807.31</u>	100.00%			
				<u>\$2,807.31</u>				

**DUKE ENERGY FLORIDA
UNDERGROUND SERVICE LATERALS FROM
OVERHEAD ELECTRIC DISTRIBUTION SYSTEMS
2/27/2017**

Underground Fixed Costs:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$167.44	\$343.49	\$510.93
Fleet		\$73.54	\$73.54
Engineering and Supervision		\$146.87	\$146.87
Total			\$731.34

Underground Excess Costs:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$472.40	\$440.89	\$913.29
Fleet		\$94.39	\$94.39
Engineering and Supervision		\$188.52	\$188.52
Total (for additional 220 ft)			\$1,196.20

Overhead Fixed Costs:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$86.36	\$125.10	\$211.46
Fleet		\$26.79	\$26.79
Engineering and Supervision		\$53.50	\$53.50
Total			\$291.75

Overhead Excess Costs:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$545.85	\$618.72	\$1,164.57
Fleet		\$132.47	\$132.47
Engineering and Supervision		\$264.56	\$264.56
Total (for additional 220 ft)			\$1,561.60

DIFFERENTIAL

Fixed Underground	\$731.00
Fixed Overhead	\$292.00
Difference	<u>\$439.00</u>

Excess Underground	\$1,196.20	Excess
Excess Overhead	\$1,561.60	Cost per foot:
Difference	<u>(\$365.40)</u>	-1.66

Proposed Tariff Charge	\$0.00	\$0.00
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Detailed Cost Estimate

WR Nbr: 1449129

UNDERGROUND SERVICE FROM OVERHEAD SOURCE
TEN DIFFERENT UNDERGROUND INSTALLATION SCENARIOS

WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH
Customer Address: SOU
299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

Item	Total
DESIGN AND PROJ MGT PEF	\$477.44
FLEET - PEF	\$735.39
MANAGEMENT & SUPV - PEF	\$991.28
	<u>\$2,204.11</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC40F	UNKNOWN	I	1	\$13.24	\$58.81	\$72.05	1.1	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
MISC								
KP4W40F	UNKNOWN	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE
KP4W40F	UNKNOWN	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE



Detailed Cost Estimate

WR Nbr: 1449129
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH
Customer Address: SOU
299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPW3W40F	UNKNOWN	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE	
KUGEQMPXSECF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
KUGEQMPXSECF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
KUGEQMPXSECF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
KUGEQMPXSECF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
OH PRIMARY COND									
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$44.91	\$44.91	.8	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$44.91	\$44.91	.8	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$44.91	\$44.91	.8	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$44.91	\$44.91	.8	REVENUE	
STRUCTURE									
PEDLABAGF	UNKNOWN	I	1	\$0.00	\$21.38	\$21.38	.4	REVENUE	
PEDLABAGF	UNKNOWN	I	1	\$0.00	\$21.38	\$21.38	.4	REVENUE	
PEDLABAGF	UNKNOWN	I	1	\$0.00	\$21.38	\$21.38	.4	REVENUE	
PEDUR9X14PF	UNKNOWN	I	1	\$70.04	\$21.38	\$91.42	.4	REVENUE	
PEDUR9X14PF	UNKNOWN	I	1	\$70.04	\$25.66	\$95.70	.5	REVENUE	
PEDUR9X14PF	UNKNOWN	I	1	\$70.04	\$21.38	\$91.42	.4	REVENUE	
UG PRIMARY COND									
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UGLABSETUPF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UGLABSETUPF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UG SEC COND									



Detailed Cost Estimate

WR Nbr: 1449129

WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH
 Customer Address: SOU
 299 N 1ST AVE
 ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

UGSVCDBMF	UNKNOWN	I	1	\$0.00	\$160.38	\$160.38	3.0	REVENUE
UGSVCDBMF	UNKNOWN	I	1	\$0.00	\$160.38	\$160.38	3.0	REVENUE
UGSVCDBMF	UNKNOWN	I	1	\$0.00	\$160.38	\$160.38	3.0	REVENUE
UGSVCDBMF	UNKNOWN	I	1	\$0.00	\$160.38	\$160.38	3.0	REVENUE
UGSVCDBSF	UNKNOWN	I	1	\$0.00	\$117.61	\$117.61	2.2	REVENUE
UGSVCDBSF	UNKNOWN	I	1	\$0.00	\$117.61	\$117.61	2.2	REVENUE
UGSVCDBSF	UNKNOWN	I	1	\$0.00	\$117.61	\$117.61	2.2	REVENUE
UGSVCDBSF	UNKNOWN	I	1	\$0.00	\$117.61	\$117.61	2.2	REVENUE
UGSVCDBSF	UNKNOWN	I	1	\$0.00	\$117.61	\$117.61	2.2	REVENUE
UGSVCDBSF	UNKNOWN	I	1	\$0.00	\$117.61	\$117.61	2.2	REVENUE
WUR20TPXF	UNKNOWN	I	35	\$35.07	\$9.36	\$44.43	.2	REVENUE
WUR40TPXF	UNKNOWN	I	35	\$56.57	\$9.36	\$65.93	.2	REVENUE
WUS20TPXF	UNKNOWN	I	125	\$125.24	\$33.41	\$158.65	.6	REVENUE
WUS20TPXF	UNKNOWN	I	55	\$55.11	\$14.70	\$69.81	.3	REVENUE
WUS20TPXF	UNKNOWN	I	120	\$120.23	\$32.08	\$152.31	.6	REVENUE
WUS20TPXF	UNKNOWN	I	80	\$80.15	\$21.38	\$101.53	.4	REVENUE
WUS350TPXF	UNKNOWN	I	120	\$284.98	\$32.08	\$317.06	.6	REVENUE
WUS40TPXF	UNKNOWN	I	120	\$199.15	\$38.49	\$237.64	.7	REVENUE
WUS40TPXF	UNKNOWN	I	35	\$62.45	\$11.23	\$73.68	.2	REVENUE
WUS40TPXF	UNKNOWN	I	75	\$178.90	\$24.06	\$202.96	.5	REVENUE
WUS40TPXF	UNKNOWN	I	75	\$121.52	\$24.06	\$145.58	.5	REVENUE
WUS40TPXF	UNKNOWN	I	80	\$131.64	\$25.66	\$157.30	.5	REVENUE
Subtotal:				<u>\$1,674.37</u>	<u>\$3,434.87</u>	<u>\$5,109.24</u>	<u>64.3</u>	

Total Construction Cost

\$7,313.33

Total CIAC

\$0.00

Capital Construction Cost	<u>\$7,313.29</u>	100.00%
	<u>\$7,313.29</u>	



Detailed Cost Estimate

WR Nbr: 1449129

WR Revision: 2

UNDERGROUND SERVICE FROM OVERHEAD SOURCE
TEN DIFFERENT OVERHEAD SERVICE INSTALLATION SCENARIOS

Operating District: ST PETERSBURG

Customer Name: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

Item	Total
DESIGN AND PROJ MGT PEF	\$173.90
FLEET - PEF	\$267.86
MANAGEMENT & SUPV - PEF	\$361.06
	<u>\$802.82</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
OH MISC								
SDEMASTCLMPSMF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMSPNCLMPF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMSPNCLMPF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMSPNCLMPF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMSPNCLMPF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMSPNCLMPF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMSPNCLMPF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMSPNCLMPF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMSPNCLMPF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMSPNCLMPF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMSPNCLMPF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SERCLMP10ALF	2921142	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP10ALF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SERCLMP10ALF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SERCLMP10ALF	2921142	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP10ALF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SERCLMP10ALF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SERCLMP40ALF	2921142	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP40ALF	2921142	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP40ALF	2921142	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP40ALF	2921142	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SERCLMP40ALF	2921142	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP40ALF	2921142	I	1	\$0.00	\$12.83	\$12.83	.2	REVENUE



Detailed Cost Estimate

WR Nbr: 1449129
WR Revision: 2

Operating District: ST PETERSBURG

Customer Name: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH
Customer Address: SOU
299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

SERCLMP40ALF	2921142	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	2921142	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	2921142	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OHBTLABSETUPF	2921142	I	1	\$0.00	\$44.91	\$44.91	.8	REVENUE
OHBTLABSETUPF	2921142	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	2921142	I	1	\$0.00	\$44.91	\$44.91	.8	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	2921142	I	1	\$0.00	\$44.91	\$44.91	.8	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	2921142	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OH SEC COND								
OHSVCMF	2921142	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCMF	2921142	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCMF	2921142	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCMF	2921142	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCMF	2921142	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCMF	2921142	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCSF	2921142	I	1	\$0.00	\$0.03	\$0.03	.0	REVENUE
OHSVCSF	2921142	I	1	\$0.00	\$0.03	\$0.03	.0	REVENUE
OHSVCSF	2921142	I	1	\$0.00	\$0.03	\$0.03	.0	REVENUE
OHSVCSF	2921142	I	1	\$0.00	\$0.03	\$0.03	.0	REVENUE
WOS10AACTPXF	2921142	I	80	\$63.84	\$2.57	\$66.41	.1	REVENUE
WOS10AACTPXF	2921142	I	40	\$31.92	\$1.07	\$32.99	.0	REVENUE
WOS10AACTPXF	2921142	I	40	\$31.92	\$1.28	\$33.20	.0	REVENUE
WOS10AACTPXF	2921142	I	80	\$63.84	\$2.14	\$65.98	.0	REVENUE
WOS40AACAEPTXF	2921142	I	40	\$67.20	\$1.07	\$68.27	.0	REVENUE
WOS40AACAEPTXF	2921142	I	80	\$134.41	\$2.14	\$136.55	.0	REVENUE
WOS40AACAEPTXF	2921142	I	60	\$100.81	\$1.60	\$102.41	.0	REVENUE
WOS40AACAEPTXF	2921142	I	80	\$134.41	\$2.57	\$136.98	.1	REVENUE
WOS40AACAEPTXF	2921142	I	80	\$134.41	\$2.14	\$136.55	.0	REVENUE
WOS40AACAEPTXF	2921142	I	60	\$100.81	\$1.60	\$102.41	.0	REVENUE
Subtotal:				\$863.57	\$1,251.01	\$2,114.58	23.4	

Total Construction Cost

\$2,917.44

Total CIAC

\$0.00



Detailed Cost Estimate

WR Nbr: 1449129
WR Revision: 2

Operating District: ST PETERSBURG

Customer Name: 11.04 2017 LONG FILING - NEW
UNDERGROUND SERVICE FROM OH
SOU
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

Capital Construction Cost	<u>\$2,917.43</u>	100.00%
	\$2,917.43	



Detailed Cost Estimate

WR Nbr: 1449129

UNDERGROUND SERVICE - 80' TO 300'
TEN DIFFERENT UNDERGROUND INSTALLATION SCENARIOS

WR Revision: 3

Operating District: ST PETERSBURG

Customer Name: 11.04 2017 LONG FILING - NEW
UNDERGROUND SERVICE FROM OH
SQU
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

Item	Total
DESIGN AND PROJ MGT PEF	\$612.83
FLEET - PEF	\$943.94
MANAGEMENT & SUPV - PEF	\$1,272.40
	<u>\$2,829.17</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
TRENCH AND BORE								
TBTR36F	8054204	I	220	\$0.00	\$376.20	\$376.20	6.6	REVENUE
TBTR36F	8054209	I	220	\$0.00	\$376.20	\$376.20	6.6	REVENUE
TBTR36F	8054199	I	220	\$0.00	\$376.20	\$376.20	6.6	REVENUE
TBTR36F	8054201	I	220	\$0.00	\$376.20	\$376.20	6.6	REVENUE
TBTR36F	8054206	I	220	\$0.00	\$376.20	\$376.20	6.6	REVENUE
TBTR36F	8054202	I	220	\$0.00	\$376.20	\$376.20	6.6	REVENUE
TBTR36F	8054207	I	220	\$0.00	\$376.20	\$376.20	6.6	REVENUE
TBTR36F	8054208	I	220	\$0.00	\$376.20	\$376.20	6.6	REVENUE
TBTR36F	8054203	I	220	\$0.00	\$376.20	\$376.20	6.6	REVENUE
TBTR36F	8054205	I	220	\$0.00	\$376.20	\$376.20	6.6	REVENUE
UG PRIMARY COND								
CABTRDMF	8054203	I	220	\$0.00	\$5.88	\$5.88	.1	REVENUE
CABTRDMF	8054204	I	220	\$0.00	\$5.88	\$5.88	.1	REVENUE
CABTRDMF	8054205	I	220	\$0.00	\$5.88	\$5.88	.1	REVENUE
CABTRDMF	8054206	I	220	\$0.00	\$5.88	\$5.88	.1	REVENUE
CABTRDMF	8054209	I	220	\$0.00	\$5.88	\$5.88	.1	REVENUE
CABTRDMF	8054202	I	220	\$0.00	\$5.88	\$5.88	.1	REVENUE
CABTRDMF	8054207	I	220	\$0.00	\$5.88	\$5.88	.1	REVENUE
CABTRDMF	8054201	I	220	\$0.00	\$5.88	\$5.88	.1	REVENUE
CABTRDMF	8054208	I	220	\$0.00	\$5.88	\$5.88	.1	REVENUE
CABTRDMF	8054199	I	220	\$0.00	\$5.88	\$5.88	.1	REVENUE
UG SEC COND								
WUS350TPXF	8054208	I	220	\$522.46	\$58.81	\$581.27	1.1	REVENUE
WUS350TPXF	8054203	I	220	\$522.46	\$58.81	\$581.27	1.1	REVENUE
WUS350TPXF	8054206	I	220	\$522.46	\$58.81	\$581.27	1.1	REVENUE
WUS350TPXF	8054199	I	220	\$522.46	\$58.81	\$581.27	1.1	REVENUE
WUS350TPXF	8054204	I	220	\$522.46	\$58.81	\$581.27	1.1	REVENUE
WUS350TPXF	8054209	I	220	\$522.46	\$58.81	\$581.27	1.1	REVENUE
WUS350TPXF	8054207	I	220	\$522.46	\$58.81	\$581.27	1.1	REVENUE
WUS40TPXF	8054202	I	220	\$355.60	\$58.81	\$414.41	1.1	REVENUE
WUS40TPXF	8054205	I	220	\$355.60	\$58.81	\$414.41	1.1	REVENUE
WUS40TPXF	8054201	I	220	\$355.60	\$58.81	\$414.41	1.1	REVENUE



Detailed Cost Estimate

WR Nbr: 1449129
WR Revision: 3

Operating District: ST PETERSBURG

Customer Name: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH
Customer Address: SOU
299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

Subtotal:	<u>\$4,724.02</u>	<u>\$4,408.90</u>	<u>\$9,132.92</u>	<u>78.1</u>
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Total Construction Cost \$11,962.03

Total CIAC \$0.00

Capital Construction Cost	\$11,962.02	100.00%
	<u>\$11,962.02</u>	



Detailed Cost Estimate

OVERHEAD SERVICE - 80' TO 300'
TEN DIFFERENT OVERHEAD INSTALLATION SCENARIOS

WR Nbr: 1449129

WR Revision: 5

Operating District: ST PETERSBURG

Customer Name: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH
SQU
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

Item	Total
DESIGN AND PROJ MGT PEF	\$860.02
FLEET - PEF	\$1,324.68
MANAGEMENT & SUPV - PEF	\$1,785.62
	\$3,970.32

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
OH MISC								
NEUMESCLMP10ALF	8054195	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE
NEUMESCLMP10ALF	8054191	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE
NEUMESCLMP10ALF	8054177	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
NEUMESCLMP10ALF	8054192	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE
NEUMESCLMP10ALF	8054187	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
NEUMESCLMP10ALF	8054194	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
NEUMESCLMP10ALF	8054193	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE
NEUMESCLMP10ALF	8054189	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE
NEUMESCLMP10ALF	8054190	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
NEUMESCLMP10ALF	8054188	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE
NSATTACHTANF	8054195	I	3	\$0.00	\$0.80	\$0.80	.0	REVENUE
NSATTACHTANF	8054189	I	3	\$0.00	\$0.80	\$0.80	.0	REVENUE
NSATTACHTANF	8054177	I	2	\$0.00	\$0.53	\$0.53	.0	REVENUE
NSATTACHTANF	8054193	I	3	\$0.00	\$0.80	\$0.80	.0	REVENUE
NSATTACHTANF	8054191	I	3	\$0.00	\$0.80	\$0.80	.0	REVENUE
NSATTACHTANF	8054187	I	2	\$0.00	\$0.53	\$0.53	.0	REVENUE
NSATTACHTANF	8054192	I	3	\$0.00	\$0.80	\$0.80	.0	REVENUE
NSATTACHTANF	8054190	I	3	\$0.00	\$0.80	\$0.80	.0	REVENUE
NSATTACHTANF	8054194	I	2	\$0.00	\$0.53	\$0.53	.0	REVENUE
NSATTACHTANF	8054188	I	3	\$0.00	\$0.80	\$0.80	.0	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	8054189	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
OHBTLABSETUPF	8054193	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
OHBTLABSETUPF	8054195	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
OHBTLABSETUPF	8054194	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	8054177	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	8054191	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
OHBTLABSETUPF	8054192	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
OHBTLABSETUPF	8054190	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	8054188	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
OHBTLABSETUPF	8054187	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OH SEC COND								



Detailed Cost Estimate

WR Nbr: 1449129

WR Revision: 5

Operating District: ST PETERSBURG

Customer Name: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH
SOU
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.04 2017 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

WOC10AACAEPTXF	8054177	I	220	\$246.51	\$117.61	\$364.12	2.2	REVENUE
WOC10AACAEPTXF	8054190	I	220	\$246.51	\$117.61	\$364.12	2.2	REVENUE
WOC10AACAEPTXF	8054194	I	220	\$246.51	\$117.61	\$364.12	2.2	REVENUE
WOC10AACAEPTXF	8054187	I	220	\$246.51	\$117.61	\$364.12	2.2	REVENUE
WOC40AACAEPTXF	8054195	I	220	\$369.62	\$117.61	\$487.23	2.2	REVENUE
WOC40AACAEPTXF	8054188	I	220	\$369.62	\$117.61	\$487.23	2.2	REVENUE
WOC40AACAEPTXF	8054191	I	220	\$369.62	\$117.61	\$487.23	2.2	REVENUE
WOC40AACAEPTXF	8054189	I	220	\$369.62	\$117.61	\$487.23	2.2	REVENUE
WOC40AACAEPTXF	8054193	I	220	\$369.62	\$117.61	\$487.23	2.2	REVENUE
WOC40AACAEPTXF	8054192	I	220	\$369.62	\$117.61	\$487.23	2.2	REVENUE
POLE								
OHLTLABSETUPF	8054188	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
OHLTLABSETUPF	8054193	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
OHLTLABSETUPF	8054192	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
OHLTLABSETUPF	8054195	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
OHLTLABSETUPF	8054189	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
OHLTLABSETUPF	8054177	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHLTLABSETUPF	8054187	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHLTLABSETUPF	8054190	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHLTLABSETUPF	8054194	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHLTLABSETUPF	8054191	I	3	\$0.00	\$112.27	\$112.27	2.1	REVENUE
P306F	8054195	I	3	\$260.16	\$320.76	\$580.92	6.0	REVENUE
P306F	8054177	I	2	\$173.44	\$213.84	\$387.28	4.0	REVENUE
P306F	8054193	I	3	\$260.16	\$320.76	\$580.92	6.0	REVENUE
P306F	8054192	I	3	\$260.16	\$320.76	\$580.92	6.0	REVENUE
P306F	8054190	I	2	\$173.44	\$213.84	\$387.28	4.0	REVENUE
P306F	8054194	I	2	\$173.44	\$213.84	\$387.28	4.0	REVENUE
P306F	8054189	I	3	\$260.16	\$320.76	\$580.92	6.0	REVENUE
P306F	8054188	I	3	\$260.16	\$320.76	\$580.92	6.0	REVENUE
P306F	8054187	I	2	\$173.44	\$213.84	\$387.28	4.0	REVENUE
P306F	8054191	I	3	\$260.16	\$320.76	\$580.92	6.0	REVENUE
Subtotal:				<u>\$5,458.48</u>	<u>\$6,187.17</u>	<u>\$11,845.65</u>	<u>115.8</u>	

Total Construction Cost

\$15,615.94

Total CIAC

\$0.00

Capital Construction Cost	\$15,615.94	100.00%
	<u>\$15,615.94</u>	

DUKE ENERGY FLORIDA
UNDERGROUND SERVICE LATERALS REPLACING
EXISTING OVERHEAD SERVICE LATERALS
2/27/2017

Average cost to install new underground service:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$144.87	\$242.96	\$387.83
Fleet		\$52.02	\$52.02
Engineering and Supervision		\$103.89	\$103.89
Total			\$543.74

Cost to remove existing overhead service:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$0.00	\$94.98	\$94.98
Fleet		\$20.34	\$20.34
Engineering and Supervision		\$40.62	\$40.62
Total			\$155.94

Undepreciated value of the existing overhead service drop:

Cost to install new overhead service:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$62.92	\$143.52	\$206.44
Fleet		\$30.73	\$30.73
Engineering and Supervision		\$61.37	\$61.37
Total			\$298.54

Remaining undepreciated value = (Ave remaining life / Ave service life) * (OH Service cost)
 Remaining undepreciated value = 15 34 298.54 \$131.71

Salvage value of overhead service = (Salvage rate) * (Ave remaining life) * (OH Service Cost)
 Salvage value of overhead service = -0.0039 15 298.54 (\$17.46)

DIFFERENTIAL

Underground cost	\$544.00
Cost to remove overhead	\$156.00
Remaining undepreciated value	\$132.00
Salvage value	(\$17.00)
Total	<u><u>\$815.00</u></u>



Detailed Cost Estimate

WR Nbr: 1448712

WR Revision: 3

UNDERGROUND SERVICE REPLACING EXISTING OVERHEAD SERVICE TEN VARIOUS UNDERGROUND INSTALLATION SCENARIOS

Operating District: ST PETERSBURG

Customer Name: 11.05 2017 LONG FILING - UG
REPLACING EXISTING OH

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

Item	Total
DESIGN AND PROJ MGT PEF	\$337.70
FLEET - PEF	\$520.16
MANAGEMENT & SUPV - PEF	\$701.15
	<hr/> <hr/>
	\$1,559.01

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CABGRP2X250F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC20F	UNKNOWN	I	1	\$0.00	\$58.81	\$58.81	1.1	REVENUE
CBRIS40PVC40F	UNKNOWN	I	1	\$13.24	\$58.81	\$72.05	1.1	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
MISC								
KP4W40F	UNKNOWN	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE
KP4W40F	UNKNOWN	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE



Detailed Cost Estimate

WR Nbr: 1448712
WR Revision: 3

Operating District: ST PETERSBURG

Customer Name: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPRISMPXSECF	UNKNOWN	I	1	\$0.00	\$13.37	\$13.37	.3	REVENUE	
KPW3W40F	UNKNOWN	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE	
KUGEQMPXSECF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
KUGEQMPXSECF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
KUGEQMPXSECF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
OH MISC									
PLABNA1PHAF	UNKNOWN	I	1	\$0.00	\$160.38	\$160.38	3.0	REVENUE	
PLABNA1PHAF	UNKNOWN	I	1	\$0.00	\$160.38	\$160.38	3.0	REVENUE	
OH PRIMARY COND									
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE	
STRUCTURE									
PEDLABAGF	UNKNOWN	I	1	\$0.00	\$21.38	\$21.38	.4	REVENUE	
PEDLABAGF	UNKNOWN	I	1	\$0.00	\$21.38	\$21.38	.4	REVENUE	
PEDLABAGF	UNKNOWN	I	1	\$0.00	\$21.38	\$21.38	.4	REVENUE	
PEDUR9X14PF	UNKNOWN	I	1	\$70.04	\$21.38	\$91.42	.4	REVENUE	
PEDUR9X14PF	UNKNOWN	I	1	\$70.04	\$21.38	\$91.42	.4	REVENUE	
PEDUR9X14PF	UNKNOWN	I	1	\$70.04	\$21.38	\$91.42	.4	REVENUE	
UG PRIMARY COND									
CABTRDMF	UNKNOWN	I	90	\$0.00	\$2.41	\$2.41	.1	REVENUE	
CABTRDMF	UNKNOWN	I	35	\$0.00	\$0.94	\$0.94	.0	REVENUE	
CABTRDMF	UNKNOWN	I	90	\$0.00	\$2.41	\$2.41	.1	REVENUE	
CABTRDMF	UNKNOWN	I	50	\$0.00	\$1.34	\$1.34	.0	REVENUE	
CABTRDMF	UNKNOWN	I	90	\$0.00	\$2.41	\$2.41	.1	REVENUE	
CABTRDMF	UNKNOWN	I	50	\$0.00	\$1.34	\$1.34	.0	REVENUE	
CABTRDMF	UNKNOWN	I	50	\$0.00	\$1.34	\$1.34	.0	REVENUE	
CABTRDMF	UNKNOWN	I	35	\$0.00	\$0.94	\$0.94	.0	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE	



Detailed Cost Estimate

WR Nbr: 1448712
WR Revision: 3

Operating District: ST PETERSBURG

Customer Name: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

UGLABSETUPF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
UGLABSETUPF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
UGLABSETUPF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
UGLABSETUPF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
UGLABSETUPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
UG SEC COND								
UGSVCCNSF	UNKNOWN	I	1	\$0.00	\$133.65	\$133.65	2.5	REVENUE
WUR20TPXF	UNKNOWN	I	35	\$35.07	\$9.36	\$44.43	.2	REVENUE
WUR40TPXF	UNKNOWN	I	35	\$56.57	\$9.36	\$65.93	.2	REVENUE
WUS20TPXF	UNKNOWN	I	120	\$120.23	\$32.08	\$152.31	.6	REVENUE
WUS20TPXF	UNKNOWN	I	120	\$120.23	\$32.08	\$152.31	.6	REVENUE
WUS20TPXF	UNKNOWN	I	35	\$35.07	\$9.36	\$44.43	.2	REVENUE
WUS20TPXF	UNKNOWN	I	80	\$80.15	\$21.38	\$101.53	.4	REVENUE
WUS350TPXF	UNKNOWN	I	120	\$284.98	\$32.08	\$317.06	.6	REVENUE
WUS40TPXF	UNKNOWN	I	80	\$129.31	\$21.38	\$150.69	.4	REVENUE
WUS40TPXF	UNKNOWN	I	35	\$56.57	\$9.36	\$65.93	.2	REVENUE
WUS40TPXF	UNKNOWN	I	35	\$56.57	\$9.36	\$65.93	.2	REVENUE
WUS40TPXF	UNKNOWN	I	75	\$121.23	\$20.05	\$141.28	.4	REVENUE
WUS40TPXF	UNKNOWN	I	80	\$129.31	\$21.38	\$150.69	.4	REVENUE
Subtotal:				<u>\$1,448.65</u>	<u>\$2,429.58</u>	<u>\$3,878.23</u>	<u>45.5</u>	

Total Construction Cost

\$5,437.21

Total CIAC

\$0.00

Capital Construction Cost	<u>\$5,437.14</u>	100.00%
	<u>\$5,437.14</u>	



Detailed Cost Estimate

WR Nbr: 1448712

WR Revision: 5

UNDERGROUND SERVICE REPLACING OVERHEAD SERVICE COST TO INSTALL TEN OVERHEAD SERVICES

Operating District: ST PETERSBURG

Customer Name: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

Item	Total
DESIGN AND PROJ MGT PEF	\$199.50
FLEET - PEF	\$307.29
MANAGEMENT & SUPV - PEF	\$414.21
	<hr/>
	\$921.00

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
OH MISC								
PLABNA1PHAF	UNKNOWN	I	1	\$0.00	\$160.38	\$160.38	3.0	REVENUE
PLABNA1PHAF	UNKNOWN	I	1	\$0.00	\$160.38	\$160.38	3.0	REVENUE
SDEMASTCLMPSMF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SDEMASTCLMPSMF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
SERCLMP10ALF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP10ALF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP10ALF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP10ALF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP10ALF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP10ALF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP10ALF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP10ALF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP10ALF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SERCLMP10ALF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	UNKNOWN	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	UNKNOWN	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	UNKNOWN	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	UNKNOWN	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	UNKNOWN	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	UNKNOWN	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	UNKNOWN	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	UNKNOWN	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OHBTLABSETUPF	UNKNOWN	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE



Detailed Cost Estimate

WR Nbr: 1448712
WR Revision: 5

Operating District: ST PETERSBURG

Customer Name: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

OHBTLABSETUPF	UNKNOWN	I	2	\$0.00	\$74.84	\$74.84	1.4	REVENUE
OH SEC COND								
OHSVCMF	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCMF	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCMF	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCMF	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCMF	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCMF	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
OHSVCSF	UNKNOWN	I	1	\$0.00	\$0.03	\$0.03	.0	REVENUE
OHSVCSF	UNKNOWN	I	1	\$0.00	\$0.03	\$0.03	.0	REVENUE
OHSVCSF	UNKNOWN	I	1	\$0.00	\$0.03	\$0.03	.0	REVENUE
OHSVCSF	UNKNOWN	I	1	\$0.00	\$0.03	\$0.03	.0	REVENUE
WOS10AACTPXF	UNKNOWN	I	80	\$63.84	\$2.14	\$65.98	.0	REVENUE
WOS10AACTPXF	UNKNOWN	I	80	\$63.84	\$2.14	\$65.98	.0	REVENUE
WOS10AACTPXF	UNKNOWN	I	40	\$31.92	\$1.07	\$32.99	.0	REVENUE
WOS10AACTPXF	UNKNOWN	I	20	\$15.96	\$0.53	\$16.49	.0	REVENUE
WOS40AACARTPXF	UNKNOWN	I	20	\$33.60	\$0.53	\$34.13	.0	REVENUE
WOS40AACARTPXF	UNKNOWN	I	40	\$67.20	\$1.07	\$68.27	.0	REVENUE
WOS40AACARTPXF	UNKNOWN	I	40	\$67.20	\$1.07	\$68.27	.0	REVENUE
WOS40AACARTPXF	UNKNOWN	I	80	\$134.41	\$2.14	\$136.55	.0	REVENUE
WOS40AACARTPXF	UNKNOWN	I	60	\$100.81	\$1.60	\$102.41	.0	REVENUE
WOS40AACARTPXF	UNKNOWN	I	30	\$50.40	\$0.80	\$51.20	.0	REVENUE
Subtotal:				<u>\$629.18</u>	<u>\$1,435.17</u>	<u>\$2,064.35</u>	<u>26.9</u>	

Total Construction Cost

\$2,985.43

Total CIAC

\$0.00

Capital Construction Cost	\$2,985.41	100.00%
	<u>\$2,985.41</u>	



Detailed Cost Estimate

WR Nbr: 1448712

UNDERGROUND SERVICE REPLACING EXISTING OVERHEAD SERVICE
 COST TO REMOVE TEN DIFFERENT OVERHEAD SERVICES

WR Revision: 6

Operating District: ST PETERSBURG

Customer Name: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

Item	Total
DESIGN AND PROJ MGT PEF	\$132.04
FLEET - PEF	\$203.37
MANAGEMENT & SUPV - PEF	\$274.14
	<u>\$609.55</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
OH MISC								
PLABNA1PHAF	UNKNOWN	I	1	\$0.00	\$160.38	\$160.38	3.0	REVENUE
PLABNA1PHAF	UNKNOWN	I	1	\$0.00	\$160.38	\$160.38	3.0	REVENUE
SDEMASTCLMPSPF	UNKNOWN	R	1	\$0.00	\$7.48	\$7.48	.1	REVENUE
SDEMASTCLMPSPF	UNKNOWN	R	1	\$0.00	\$7.48	\$7.48	.1	REVENUE
SDEMASTCLMPSPF	UNKNOWN	R	1	\$0.00	\$7.48	\$7.48	.1	REVENUE
SDEMASTCLMPSPF	UNKNOWN	R	1	\$0.00	\$7.48	\$7.48	.1	REVENUE
SDEMASTCLMPSPF	UNKNOWN	R	1	\$0.00	\$7.48	\$7.48	.1	REVENUE
SDEMASTCLMPSPF	UNKNOWN	R	1	\$0.00	\$7.48	\$7.48	.1	REVENUE
SDEMASTCLMPSPF	UNKNOWN	R	1	\$0.00	\$7.48	\$7.48	.1	REVENUE
SDEMASTCLMPSPF	UNKNOWN	R	1	\$0.00	\$7.48	\$7.48	.1	REVENUE
SDEMASTCLMPSPF	UNKNOWN	R	1	\$0.00	\$7.48	\$7.48	.1	REVENUE
SDEMASTCLMPSPF	UNKNOWN	R	1	\$0.00	\$7.48	\$7.48	.1	REVENUE
SERCLMP10ALF	UNKNOWN	R	2	\$0.00	\$14.97	\$14.97	.3	REVENUE
SERCLMP10ALF	UNKNOWN	R	2	\$0.00	\$14.97	\$14.97	.3	REVENUE
SERCLMP10ALF	UNKNOWN	R	2	\$0.00	\$14.97	\$14.97	.3	REVENUE
SERCLMP10ALF	UNKNOWN	R	2	\$0.00	\$14.97	\$14.97	.3	REVENUE
SERCLMP10ALF	UNKNOWN	R	2	\$0.00	\$14.97	\$14.97	.3	REVENUE
SERCLMP10ALF	UNKNOWN	R	2	\$0.00	\$14.97	\$14.97	.3	REVENUE
SERCLMP10ALF	UNKNOWN	R	2	\$0.00	\$14.97	\$14.97	.3	REVENUE
SERCLMP10ALF	UNKNOWN	R	2	\$0.00	\$14.97	\$14.97	.3	REVENUE
SERCLMP10ALF	UNKNOWN	R	2	\$0.00	\$14.97	\$14.97	.3	REVENUE
SERCLMP10ALF	UNKNOWN	R	2	\$0.00	\$14.97	\$14.97	.3	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE



Detailed Cost Estimate

WR Nbr: 1448712
WR Revision: 6

Operating District: ST PETERSBURG

Customer Name: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 11.05 2017 LONG FILING - UG REPLACING EXISTING OH

OHBTLABSETUPF	UNKNOWN	I	1	\$0.00	\$37.42	\$37.42	.7	REVENUE
OH SEC COND								
OHSVCMF	UNKNOWN	S	1	\$0.00	\$3.74	\$3.74	.1	REVENUE
OHSVCMF	UNKNOWN	S	1	\$0.00	\$3.74	\$3.74	.1	REVENUE
OHSVCMF	UNKNOWN	S	1	\$0.00	\$3.74	\$3.74	.1	REVENUE
OHSVCMF	UNKNOWN	S	1	\$0.00	\$3.74	\$3.74	.1	REVENUE
OHSVCMF	UNKNOWN	S	1	\$0.00	\$3.74	\$3.74	.1	REVENUE
OHSVCMF	UNKNOWN	S	1	\$0.00	\$3.74	\$3.74	.1	REVENUE
OHSVCSF	UNKNOWN	S	1	\$0.00	\$0.02	\$0.02	.0	REVENUE
OHSVCSF	UNKNOWN	S	1	\$0.00	\$0.02	\$0.02	.0	REVENUE
OHSVCSF	UNKNOWN	S	1	\$0.00	\$0.02	\$0.02	.0	REVENUE
OHSVCSF	UNKNOWN	S	1	\$0.00	\$0.02	\$0.02	.0	REVENUE
WOS10AACTPXF	UNKNOWN	R	80	\$0.00	\$1.28	\$1.28	.0	REVENUE
WOS10AACTPXF	UNKNOWN	R	80	\$0.00	\$1.28	\$1.28	.0	REVENUE
WOS10AACTPXF	UNKNOWN	R	20	\$0.00	\$0.32	\$0.32	.0	REVENUE
WOS10AACTPXF	UNKNOWN	R	40	\$0.00	\$0.64	\$0.64	.0	REVENUE
WOS40AACAEPTPXF	UNKNOWN	R	30	\$0.00	\$0.48	\$0.48	.0	REVENUE
WOS40AACAEPTPXF	UNKNOWN	R	40	\$0.00	\$0.64	\$0.64	.0	REVENUE
WOS40AACAEPTPXF	UNKNOWN	R	60	\$0.00	\$0.96	\$0.96	.0	REVENUE
WOS40AACAEPTPXF	UNKNOWN	R	80	\$0.00	\$1.28	\$1.28	.0	REVENUE
WOS40AACAEPTPXF	UNKNOWN	R	40	\$0.00	\$0.64	\$0.64	.0	REVENUE
WOS40AACAEPTPXF	UNKNOWN	R	20	\$0.00	\$0.32	\$0.32	.0	REVENUE
Subtotal:				<u>\$0.00</u>	<u>\$949.82</u>	<u>\$949.82</u>	<u>17.8</u>	

Total Construction Cost

\$1,559.43

Total CIAC

\$0.00

Capital Construction Cost	<u>\$1,559.43</u>	100.00%
	<u>\$1,559.43</u>	

210 Lot Subdivision Overhead (Low Density) WR # 1449870 rev 2

Item	Material	Per Lot	Labor	Per Lot	Total	Total Average/per lot
Service	\$ 9,806.57	\$ 46.70	\$ 22,848.83	\$ 108.80	\$ 32,655.40	\$ 155.50
Primary	\$ 7,397.60	\$ 35.23	\$ 30,459.90	\$ 145.05	\$ 37,857.50	\$ 180.27
Secondary	\$ 11,219.94	\$ 53.43	\$ 11,107.92	\$ 52.89	\$ 22,327.86	\$ 106.32
Transformers	\$ 32,746.56	\$ 155.94	\$ 1,566.38	\$ 7.46	\$ 34,312.94	\$ 163.39
Poles	\$ 11,944.36	\$ 56.88	\$ 17,898.41	\$ 85.23	\$ 29,842.77	\$ 142.11
Store Handling	\$ 13,531.43	\$ 64.44		\$ -	\$ 13,531.43	\$ 64.44
Engineering	\$ -	\$ -	\$ 11,659.52	\$ 55.52	\$ 11,659.52	\$ 55.52
Supervision	\$ -	\$ -	\$ 24,208.18	\$ 115.28	\$ 24,208.18	\$ 115.28
Fleet	\$ -	\$ -	\$ 17,959.02	\$ 85.52	\$ 17,959.02	\$ 85.52
Totals	\$ 86,646.46	\$ 412.60	\$ 137,708.16	\$ 655.75	\$ 224,354.62	\$ 1,068.36

***Actual Material Cost \$85,888.68 \$ 408.99**

revised 3/1/2017



Detailed Cost Estimate

WR Nbr: 1449870
WR Revision: 2

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 210 LOT
SUBDIVISION - OH DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD rate filing - 210 lot subdivision - OH design

Item	Total
DESIGN AND PROJ MGT PEF	\$11,659.52
FLEET - PEF	\$17,959.02
MANAGEMENT & SUPV - PEF	\$24,208.18
	<u>\$53,826.72</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
FUSE								
FUSE15CO100F	UNKNOWN	I	12	\$0.00	\$256.61	\$256.61	4.8	REVENUE
FUSE27CO100F	UNKNOWN	I	1	\$0.00	\$21.38	\$21.38	.4	REVENUE
TFUSE15CO100F	UNKNOWN	I	22	\$0.00	\$470.45	\$470.45	8.8	REVENUE
TFUSE27CO100F	UNKNOWN	I	3	\$0.00	\$64.15	\$64.15	1.2	REVENUE
GROUNDING								
GAR1F	UNKNOWN	I	102	\$0.00	\$1,635.88	\$1,635.88	30.6	REVENUE
GOWE6F	UNKNOWN	I	34	\$0.00	\$1,272.35	\$1,272.35	23.8	REVENUE
GRODFRF	UNKNOWN	I	34	\$0.00	\$727.06	\$727.06	13.6	REVENUE
GUY								
ANPI83353EF	UNKNOWN	I	1	\$24.33	\$48.11	\$72.44	.9	REVENUE
ANRS101283EF	UNKNOWN	I	44	\$2,111.18	\$705.67	\$2,816.85	13.2	REVENUE
ANRS81553EF	UNKNOWN	I	3	\$94.29	\$48.11	\$142.40	.9	REVENUE
ANRS81553EF	UNKNOWN	I	2	\$62.86	\$32.08	\$94.94	.6	REVENUE
FBGL120F	UNKNOWN	I	6	\$0.00	\$19.25	\$19.25	.4	REVENUE
FBGL78F	UNKNOWN	I	55	\$0.00	\$176.42	\$176.42	3.3	REVENUE
GUYD516F	UNKNOWN	I	2	\$0.00	\$85.54	\$85.54	1.6	REVENUE
GUYD516F	UNKNOWN	I	106	\$0.00	\$4,533.41	\$4,533.41	84.8	REVENUE
GUY516F	UNKNOWN	I	1	\$0.00	\$16.04	\$16.04	.3	REVENUE
MISC								
KH10N2ALF	UNKNOWN	I	22	\$0.00	\$235.22	\$235.22	4.4	REVENUE
KHLC7933F	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
OH ARRESTOR								
ARROH10F	UNKNOWN	I	9	\$0.00	\$240.57	\$240.57	4.5	REVENUE
OH MISC								
BKTCO18FGF	UNKNOWN	I	38	\$0.00	\$609.44	\$609.44	11.4	REVENUE
BKTLA18FGF	UNKNOWN	I	9	\$0.00	\$144.34	\$144.34	2.7	REVENUE
BKTPTPF	UNKNOWN	I	65	\$701.41	\$694.98	\$1,396.39	13.0	REVENUE
DECLMP10AAACF	UNKNOWN	I	48	\$0.00	\$513.22	\$513.22	9.6	REVENUE
DECLMP10AAACF	UNKNOWN	I	134	\$0.00	\$1,432.73	\$1,432.73	26.8	REVENUE
IDES35PF	UNKNOWN	I	48	\$0.00	\$1,539.65	\$1,539.65	28.8	REVENUE
IHPCLTG45PF	UNKNOWN	I	6	\$543.89	\$192.46	\$736.35	3.6	REVENUE
IHPTT25F	UNKNOWN	I	59	\$0.00	\$1,892.48	\$1,892.48	35.4	REVENUE
IHPTT35F	UNKNOWN	I	6	\$0.00	\$192.46	\$192.46	3.6	REVENUE



Detailed Cost Estimate

WR Nbr: 1449870
WR Revision: 2

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 210 LOT
SUBDIVISION - OH DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD rate filing - 210 lot subdivision - OH design

ISEYEBOLT5810F	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
ISEYEBOLT5812F	UNKNOWN	I	115	\$0.00	\$1,229.58	\$1,229.58	23.0	REVENUE
ISEYEBOLT5812F	UNKNOWN	I	42	\$0.00	\$449.06	\$449.06	8.4	REVENUE
ISEYENUT58F	UNKNOWN	I	6	\$0.00	\$32.08	\$32.08	.6	REVENUE
ISEYENUT58F	UNKNOWN	I	71	\$0.00	\$379.57	\$379.57	7.1	REVENUE
ISGAINGRID55F	UNKNOWN	I	6	\$0.00	\$64.15	\$64.15	1.2	REVENUE
ISHUNTCLIPF	UNKNOWN	I	11	\$0.00	\$58.81	\$58.81	1.1	REVENUE
ISPLF	UNKNOWN	I	5	\$0.00	\$26.73	\$26.73	.5	REVENUE
ISSTUDBOLT5812F	UNKNOWN	I	6	\$0.00	\$64.15	\$64.15	1.2	REVENUE
MIDSPANAPF	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
NEUMESCLMP10ALF	UNKNOWN	I	15	\$0.00	\$160.38	\$160.38	3.0	REVENUE
NEUSPTIE10ALF	UNKNOWN	I	5	\$0.00	\$53.46	\$53.46	1.0	REVENUE
NSATTACHDEF	UNKNOWN	I	186	\$0.00	\$49.72	\$49.72	.9	REVENUE
NSATTACHANF	UNKNOWN	I	20	\$0.00	\$5.35	\$5.35	.1	REVENUE
NSSB12F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
NSSCF	UNKNOWN	I	4	\$0.00	\$21.38	\$21.38	.4	REVENUE
SDEMASTCLMP5MF	UNKNOWN	I	210	\$0.00	\$2,245.32	\$2,245.32	42.0	REVENUE
SDEMSPNCLMPF	UNKNOWN	I	55	\$0.00	\$588.06	\$588.06	11.0	REVENUE
SDEMSPNCLMPF	UNKNOWN	I	124	\$0.00	\$1,325.81	\$1,325.81	24.8	REVENUE
SDEMSPNCLMPF	UNKNOWN	I	6	\$0.00	\$64.15	\$64.15	1.2	REVENUE
SERCLMP10ALF	UNKNOWN	I	18	\$0.00	\$192.46	\$192.46	3.6	REVENUE
SERCLMP10ALF	UNKNOWN	I	27	\$0.00	\$288.68	\$288.68	5.4	REVENUE
SERCLMP40ALF	UNKNOWN	I	17	\$0.00	\$181.76	\$181.76	3.4	REVENUE
SERCLMPN2ALF	UNKNOWN	I	72	\$0.00	\$769.82	\$769.82	14.4	REVENUE
SERCLMPN4ALF	UNKNOWN	I	196	\$0.00	\$2,095.63	\$2,095.63	39.2	REVENUE
STIEF10ALF	UNKNOWN	I	32	\$0.00	\$342.14	\$342.14	6.4	REVENUE
TRCLAMP10AAACF	UNKNOWN	I	3	\$87.74	\$32.08	\$119.82	.6	REVENUE
TTIEF10ALF	UNKNOWN	I	30	\$0.00	\$320.76	\$320.76	6.0	REVENUE
WGCOTOPCOVERF	UNKNOWN	I	8	\$216.03	\$8.55	\$224.58	.2	REVENUE
WGTPERCHDETSMF	UNKNOWN	I	20	\$457.39	\$21.38	\$478.77	.4	REVENUE
OH PRIMARY COND								
JUMP10ALF	UNKNOWN	I	15	\$27.26	\$400.95	\$428.21	7.5	REVENUE
JUMP10ALF	UNKNOWN	I	1	\$1.82	\$26.73	\$28.55	.5	REVENUE
OHBTLABSETUPF	UNKNOWN	I	79	\$0.00	\$2,956.34	\$2,956.34	55.3	REVENUE
OHBTLABSETUPF	UNKNOWN	I	420	\$0.00	\$15,717.24	\$15,717.24	294.0	REVENUE
OHBTLABSETUPF	UNKNOWN	I	50	\$0.00	\$1,871.10	\$1,871.10	35.0	REVENUE
WOP10AAACF	UNKNOWN	I	15025	\$3,447.48	\$8,032.37	\$11,479.85	150.3	REVENUE
OH RECLOSER								
RCRISERN2CUF	UNKNOWN	I	13	\$0.00	\$694.98	\$694.98	13.0	REVENUE
OH SEC COND								
OHSVCMF	UNKNOWN	I	9	\$0.00	\$48.11	\$48.11	.9	REVENUE
OHSVCSF	UNKNOWN	I	201	\$0.00	\$5.37	\$5.37	.1	REVENUE



Detailed Cost Estimate

WR Nbr: 1449870
WR Revision: 2

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 210 LOT SUBDIVISION - OH DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD rate filing - 210 lot subdivision - OH design

WOC10AACAEPTXPF	UNKNOWN	I	2580	\$2,890.84	\$1,379.27	\$4,270.11	25.8	REVENUE
WOC40AACAEPTXPF	UNKNOWN	I	6155	\$10,340.91	\$3,290.46	\$13,631.37	61.6	REVENUE
WOS10AACAEPTXPF	UNKNOWN	I	2880	\$3,226.98	\$76.98	\$3,303.96	1.4	REVENUE
WOS40AACAEPTXPF	UNKNOWN	I	720	\$1,209.66	\$19.25	\$1,228.91	.4	REVENUE
WOSN2AACTXPF	UNKNOWN	I	13200	\$7,184.84	\$352.84	\$7,537.68	6.6	REVENUE
OH TRANSFORMER								
TFO100DT312CF	UNKNOWN	I	1	\$2,837.20	\$64.15	\$2,901.35	1.2	REVENUE
TFO25SM12CF	UNKNOWN	I	1	\$803.94	\$58.81	\$862.75	1.1	REVENUE
TFO50DT312CF	UNKNOWN	I	2	\$3,051.20	\$117.61	\$3,168.81	2.2	REVENUE
TFO50DT312CF	UNKNOWN	I	1	\$1,525.60	\$58.81	\$1,584.41	1.1	REVENUE
TFO50SM12CF	UNKNOWN	I	15	\$18,750.38	\$882.09	\$19,632.47	16.5	REVENUE
TFO75DTM12CF	UNKNOWN	I	6	\$11,838.65	\$384.91	\$12,223.56	7.2	REVENUE
TOAMAF	UNKNOWN	I	18	\$0.00	\$96.23	\$96.23	1.8	REVENUE
TOAMALGF	UNKNOWN	I	7	\$0.00	\$37.42	\$37.42	.7	REVENUE
TOAPLPRIIRISERSF	UNKNOWN	I	25	\$0.00	\$120.29	\$120.29	2.3	REVENUE
TOASL10AWSTEMF	UNKNOWN	I	3	\$0.00	\$14.43	\$14.43	.3	REVENUE
TOASL40AWSTEMF	UNKNOWN	I	51	\$179.20	\$245.38	\$424.58	4.6	REVENUE
TOASL500AWLUGF	UNKNOWN	I	21	\$876.49	\$101.04	\$977.53	1.9	REVENUE
POLE								
OHLTLABSETUPF	UNKNOWN	I	50	\$0.00	\$1,871.10	\$1,871.10	35.0	REVENUE
OHLTLABSETUPF	UNKNOWN	I	74	\$0.00	\$2,769.23	\$2,769.23	51.8	REVENUE
P306F	UNKNOWN	I	2	\$173.44	\$213.84	\$387.28	4.0	REVENUE
P306F	UNKNOWN	I	50	\$4,335.94	\$5,346.00	\$9,681.94	100.0	REVENUE
P355F	UNKNOWN	I	63	\$8,015.64	\$6,735.96	\$14,751.60	126.0	REVENUE
P405F	UNKNOWN	I	9	\$1,629.89	\$962.28	\$2,592.17	18.0	REVENUE
Subtotal:				<u>\$86,646.48</u>	<u>\$83,881.45</u>	<u>\$170,527.93</u>	<u>1,569.1</u>	

Total Construction Cost

\$224,354.63

Total CIAC

\$0.00

Capital Construction Cost	\$224,354.62	100.00%
	<u>\$224,354.62</u>	

PSC FILING PROJECT
 TYPICAL SINGLE FAMILY
 LOW DENSITY
 LESS THAN 6 DWELLING UNITS PER ACRE
 OVERHEAD DESIGN- 210 LOTS

LEGEND

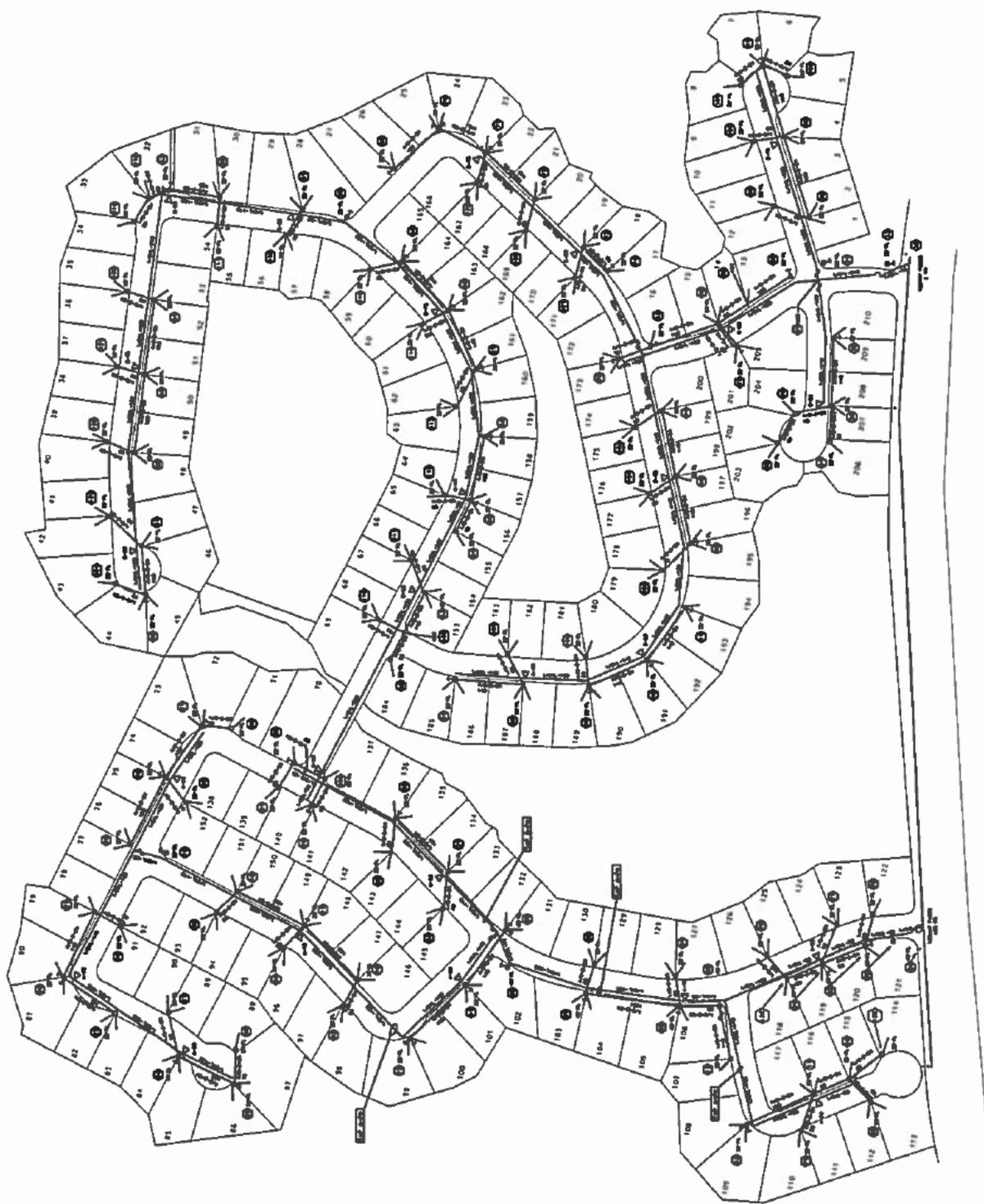
- OVERHEAD POLE
- ⤴ POLE DETAIL
- ▽ POLE SUPPORT INSURANCE
- ⊥ GROUND ROD AND ANCHOR
- WITH LOCATION NUMBER
- LOCAL SERVICE PRIMARY CONNECTION
- LOCAL SERVICE SECONDARY CONNECTION
- LOCAL SERVICE DROPS

NOTE DESIGN REQUIREMENTS:

- 120V AC, 15-20 AMP & 1-20 AMP POLE MOUNTED
- 120V AC, 15-20 AMP & 1-20 AMP POLE MOUNTED
- 120V AC, 15-20 AMP & 1-20 AMP POLE MOUNTED
- 120V AC, 15-20 AMP & 1-20 AMP POLE MOUNTED
- 120V AC, 15-20 AMP & 1-20 AMP POLE MOUNTED
- 120V AC, 15-20 AMP & 1-20 AMP POLE MOUNTED

DI SERVICE SCHEDULE

- 1. 120V AC, 15-20 AMP & 1-20 AMP POLE MOUNTED
- 2. 120V AC, 15-20 AMP & 1-20 AMP POLE MOUNTED
- 3. 120V AC, 15-20 AMP & 1-20 AMP POLE MOUNTED
- 4. 120V AC, 15-20 AMP & 1-20 AMP POLE MOUNTED
- 5. 120V AC, 15-20 AMP & 1-20 AMP POLE MOUNTED



210 Lot Subdivision Underground (Low Density) WR #1449872 rev 3

Item	Material	Per Lot	Labor	Per Lot	Total	Total Average/per lot
Service	\$ 10,690.94	\$ 50.91	\$ 20,346.74	\$ 96.89	\$ 31,037.68	\$ 147.80
Primary	\$ 26,496.89	\$ 126.18	\$ 19,962.66	\$ 95.06	\$ 46,459.55	\$ 221.24
Secondary	\$ 27,656.37	\$ 131.70	\$ 15,951.26	\$ 75.96	\$ 43,607.63	\$ 207.66
Transformers	\$ 40,271.37	\$ 191.77	\$ 1,598.45	\$ 7.61	\$ 41,869.82	\$ 199.38
Trenching						
Primary & Secondary	\$ -	\$ -	\$ 30,460.23	\$ 145.05	\$ 30,460.23	\$ 145.05
Service	\$ -	\$ -	\$ 24,698.52	\$ 117.61	\$ 24,698.52	\$ 117.61
Poles						
Store Handling	\$ 19,453.78	\$ 92.64	\$ -	\$ -	\$ 19,453.78	\$ 92.64
Engineering	\$ -	\$ -	\$ 15,709.48	\$ 74.81	\$ 15,709.48	\$ 74.81
Supervision	\$ -	\$ -	\$ 32,616.95	\$ 155.32	\$ 32,616.95	\$ 155.32
Fleet	\$ -	\$ -	\$ 24,197.12	\$ 115.22	\$ 24,197.12	\$ 115.22
Totals	\$ 124,569.35	\$ 593.19	\$ 185,541.41	\$ 883.53	\$ 310,110.76	\$ 1,476.72
*Actual Material Cost	\$ 105,684.26	\$ 503.26				

revised 3/1/2017



Detailed Cost Estimate

WR Nbr: 1449872
WR Revision: 3

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 210 LOT SUBDIVISION - UG DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 210 LOT SUBDIVISION - UG DESIGN

Item	Total
DESIGN AND PROJ MGT PEF	\$15,709.48
FLEET - PEF	\$24,197.12
MANAGEMENT & SUPV - PEF	\$32,616.95
	\$72,523.55

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
BD40PVC903620F	UNKNOWN	I	46	\$0.00	\$262.20	\$262.20	4.6	REVENUE
CABGRP1X125F	UNKNOWN	I	4	\$0.00	\$21.38	\$21.38	.4	REVENUE
CBRIS40PVC20F	UNKNOWN	I	208	\$0.00	\$12,231.65	\$12,231.65	228.8	REVENUE
CBRIS40PVC25F	UNKNOWN	I	2	\$0.00	\$117.61	\$117.61	2.2	REVENUE
CDCAP20F	UNKNOWN	I	92	\$0.00	\$157.32	\$157.32	2.8	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
FUSE								
FUSE15CO100F	UNKNOWN	I	3	\$0.00	\$64.15	\$64.15	1.2	REVENUE
FUSE27CO100F	UNKNOWN	I	1	\$0.00	\$21.38	\$21.38	.4	REVENUE
GROUNDING								
GAR1F	UNKNOWN	I	12	\$0.00	\$192.46	\$192.46	3.6	REVENUE
GOWE6F	UNKNOWN	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
GRODFRF	UNKNOWN	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
GUAR1F	UNKNOWN	I	27	\$0.00	\$433.03	\$433.03	8.1	REVENUE
GUP1E4F	UNKNOWN	I	23	\$0.00	\$860.71	\$860.71	16.1	REVENUE
GURODFRF	UNKNOWN	I	23	\$0.00	\$491.83	\$491.83	9.2	REVENUE
MISC								
KHLC40N6F	UNKNOWN	I	4	\$0.00	\$42.77	\$42.77	.8	REVENUE
KP4H35N10F	UNKNOWN	I	21	\$94.67	\$224.53	\$319.20	4.2	REVENUE
KP4W40F	UNKNOWN	I	261	\$0.00	\$2,790.61	\$2,790.61	52.2	REVENUE
KP6H35N10F	UNKNOWN	I	12	\$94.20	\$128.30	\$222.50	2.4	REVENUE
KSTC10ALF	UNKNOWN	I	4	\$0.00	\$42.77	\$42.77	.8	REVENUE
KUGEQMPXSECF	UNKNOWN	I	196	\$0.00	\$2,095.63	\$2,095.63	39.2	REVENUE
KUGEQMPXSECF	UNKNOWN	I	210	\$0.00	\$2,245.32	\$2,245.32	42.0	REVENUE
KXS586WF	UNKNOWN	I	42	\$0.00	\$449.06	\$449.06	8.4	REVENUE
KXS588W35N10F	UNKNOWN	I	6	\$316.84	\$64.15	\$380.99	1.2	REVENUE
KXS588W40F	UNKNOWN	I	6	\$0.00	\$64.15	\$64.15	1.2	REVENUE
KXS588W50F	UNKNOWN	I	15	\$0.00	\$160.38	\$160.38	3.0	REVENUE
OH MISC								
BKTCO18FGF	UNKNOWN	I	4	\$0.00	\$64.15	\$64.15	1.2	REVENUE
HTIEN6CSDF	UNKNOWN	I	6	\$0.00	\$64.15	\$64.15	1.2	REVENUE
IHPTT15F	UNKNOWN	I	6	\$0.00	\$192.46	\$192.46	3.6	REVENUE
ISSTUBOLT5812F	UNKNOWN	I	6	\$0.00	\$64.15	\$64.15	1.2	REVENUE



Detailed Cost Estimate

WR Nbr: 1449872
WR Revision: 3

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 210 LOT
SUBDIVISION - UG DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 210 LOT SUBDIVISION - UG DESIGN

WGCOTOPCOVERF	UNKNOWN	I	1	\$27.00	\$1.07	\$28.07	.0	REVENUE
WGPTPERCHDETSMF	UNKNOWN	I	1	\$22.87	\$1.07	\$23.94	.0	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	UNKNOWN	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
POLE								
OHTLABSETUPF	UNKNOWN	I	23	\$0.00	\$860.71	\$860.71	16.1	REVENUE
STRUCTURE								
PAD1P40X45CF	UNKNOWN	I	23	\$1,893.28	\$2,828.03	\$4,721.31	52.9	REVENUE
PEDLABAGF	UNKNOWN	I	98	\$0.00	\$2,095.63	\$2,095.63	39.2	REVENUE
PEDUR9X14PF	UNKNOWN	I	98	\$6,863.94	\$2,095.63	\$8,959.57	39.2	REVENUE
TRENCH AND BORE								
TBTR36F	UNKNOWN	I	4563	\$0.00	\$7,802.73	\$7,802.73	136.9	REVENUE
TBTR36F	UNKNOWN	I	13250	\$0.00	\$22,657.50	\$22,657.50	397.5	REVENUE
UG ARRESTOR								
ARREL10F	UNKNOWN	I	4	\$304.16	\$106.92	\$411.08	2.0	REVENUE
ARUGTP10F	UNKNOWN	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
UG ELBOW								
EB10AL2LB15F	UNKNOWN	I	46	\$1,770.84	\$3,196.91	\$4,967.75	59.8	REVENUE
UG MISC								
TRM10AL215KITF	UNKNOWN	I	4	\$0.00	\$213.84	\$213.84	4.0	REVENUE
UG PRIMARY COND								
CABTRDMF	UNKNOWN	I	16105	\$0.00	\$430.49	\$430.49	8.1	REVENUE
CABTRDMF	UNKNOWN	I	13726	\$0.00	\$366.90	\$366.90	6.9	REVENUE
FDTHR152WF	UNKNOWN	I	2	\$0.00	\$9.62	\$9.62	.2	REVENUE
UGLABSETUPF	UNKNOWN	I	98	\$0.00	\$1,047.82	\$1,047.82	19.6	REVENUE
UGLABSETUPF	UNKNOWN	I	23	\$0.00	\$245.92	\$245.92	4.6	REVENUE
UGLABSETUPF	UNKNOWN	I	210	\$0.00	\$2,245.32	\$2,245.32	42.0	REVENUE
WUP10ALXJ15F	UNKNOWN	I	13726	\$27,382.52	\$3,668.96	\$31,051.48	68.6	REVENUE
UG SEC COND								
UGSVCDBSF	UNKNOWN	I	210	\$0.00	\$24,698.52	\$24,698.52	462.0	REVENUE
WUR20TPXF	UNKNOWN	I	3925	\$3,932.58	\$1,049.15	\$4,981.73	19.6	REVENUE
WUR350TPXF	UNKNOWN	I	2354	\$5,590.29	\$629.22	\$6,219.51	11.8	REVENUE
WUR40TPXF	UNKNOWN	I	9826	\$15,882.22	\$2,626.49	\$18,508.71	49.1	REVENUE
WUS20TPXF	UNKNOWN	I	9900	\$9,919.11	\$2,646.27	\$12,565.38	49.5	REVENUE
WUS350TPXF	UNKNOWN	I	110	\$261.23	\$29.40	\$290.63	.6	REVENUE
WUS40TPXF	UNKNOWN	I	1540	\$2,489.17	\$411.64	\$2,900.81	7.7	REVENUE
UG TRANSFORMER								
TU50DL3121CF	UNKNOWN	I	1	\$2,149.53	\$69.50	\$2,219.03	1.3	REVENUE
TU50DL4121CF	UNKNOWN	I	12	\$22,580.34	\$833.98	\$23,414.32	15.6	REVENUE
TU75DL3121CF	UNKNOWN	I	1	\$2,455.07	\$69.50	\$2,524.57	1.3	REVENUE
TU75DL4121CF	UNKNOWN	I	9	\$20,539.46	\$625.48	\$21,164.94	11.7	REVENUE
TUAMUA1PDFLF	UNKNOWN	I	23	\$0.00	\$5,287.19	\$5,287.19	98.9	REVENUE
Subtotal:				\$124,569.32	\$113,017.86	\$237,587.18	2,078.2	



Detailed Cost Estimate

WR Nbr: 1449872
WR Revision: 3

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 210 LOT
SUBDIVISION - UG DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 210 LOT SUBDIVISION - UG DESIGN

Total Construction Cost \$310,110.74

Total CIAC \$310,110.74

Capital Construction Cost	\$310,110.77	100.00%
	<u>\$310,110.77</u>	

176 Lot Subdivision Overhead (High Density - Single Service) WR #1451310 rev 1

Item	Material	Per Lot	Labor	Per Lot	Total	Total Average/per lot
Service	\$ 5,892.37	\$ 33.48	\$ 20,101.39	\$ 114.21	\$ 25,993.76	\$ 147.69
Primary	\$ 3,502.15	\$ 19.90	\$ 12,699.96	\$ 72.16	\$ 16,202.11	\$ 92.06
Secondary	\$ 7,070.94	\$ 40.18	\$ 10,127.20	\$ 57.54	\$ 17,198.14	\$ 97.72
Transformers	\$ 23,956.54	\$ 136.12	\$ 1,101.28	\$ 6.26	\$ 25,057.82	\$ 142.37
Poles	\$ 8,412.15	\$ 47.80	\$ 13,423.81	\$ 76.27	\$ 21,835.96	\$ 124.07
Store Handling	\$ 9,037.76	\$ 51.35		\$ -	\$ 9,037.76	\$ 51.35
Engineering	\$ -	\$ -	\$ 7,986.05	\$ 45.38	\$ 7,986.05	\$ 45.38
Supervision	\$ -	\$ -	\$ 16,581.12	\$ 94.21	\$ 16,581.12	\$ 94.21
Fleet	\$ -	\$ -	\$ 12,300.82	\$ 69.89	\$ 12,300.82	\$ 69.89
Totals	\$ 57,871.91	\$ 328.82	\$ 94,321.63	\$ 535.92	\$ 152,193.54	\$ 864.74

***Actual Material Cost \$55,471.94 \$ 315.18**

revised 3/2/2017



Detailed Cost Estimate

WR Nbr: 1451310
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - OH DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - OH DESIGN

Item	Total
DESIGN AND PROJ MGT PEF	\$7,986.05
FLEET - PEF	\$12,300.82
MANAGEMENT & SUPV - PEF	\$16,581.12
	\$36,867.99

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
FUSE								
FUSE15CO100F	UNKNOWN	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
FUSE27CO100F	UNKNOWN	I	2	\$0.00	\$42.77	\$42.77	.8	REVENUE
TFUSE15CO100F	UNKNOWN	I	18	\$0.00	\$384.91	\$384.91	7.2	REVENUE
GROUNDING								
GAR1F	UNKNOWN	I	54	\$0.00	\$866.05	\$866.05	16.2	REVENUE
GOWE6F	UNKNOWN	I	18	\$0.00	\$673.60	\$673.60	12.6	REVENUE
GRODFRF	UNKNOWN	I	18	\$0.00	\$384.91	\$384.91	7.2	REVENUE
GUY								
ANPI83353EF	UNKNOWN	I	9	\$218.94	\$433.03	\$651.97	8.1	REVENUE
ANRS101283EF	UNKNOWN	I	17	\$815.68	\$272.65	\$1,088.33	5.1	REVENUE
FBGL78F	UNKNOWN	I	17	\$0.00	\$54.53	\$54.53	1.0	REVENUE
FBGL78F	UNKNOWN	I	2	\$0.00	\$6.42	\$6.42	.1	REVENUE
GUYD516F	UNKNOWN	I	34	\$0.00	\$1,454.11	\$1,454.11	27.2	REVENUE
GUYD516F	UNKNOWN	I	9	\$0.00	\$384.91	\$384.91	7.2	REVENUE
MISC								
KH10N2ALF	UNKNOWN	I	15	\$0.00	\$160.38	\$160.38	3.0	REVENUE
OH MISC								
BKTCO18FGF	UNKNOWN	I	24	\$0.00	\$384.91	\$384.91	7.2	REVENUE
BKTPTPF	UNKNOWN	I	38	\$410.06	\$406.30	\$816.36	7.6	REVENUE
DECLMP10AAACF	UNKNOWN	I	128	\$0.00	\$1,368.58	\$1,368.58	25.6	REVENUE
DECLMP10AAACF	UNKNOWN	I	11	\$0.00	\$117.61	\$117.61	2.2	REVENUE
IDES25PF	UNKNOWN	I	11	\$0.00	\$352.84	\$352.84	6.6	REVENUE
IHPTT25F	UNKNOWN	I	34	\$0.00	\$1,090.58	\$1,090.58	20.4	REVENUE
ISEYEBOLT5810F	UNKNOWN	I	1	\$0.00	\$10.69	\$10.69	.2	REVENUE
ISEYEBOLT5812F	UNKNOWN	I	10	\$0.00	\$106.92	\$106.92	2.0	REVENUE
ISEYEBOLT5812F	UNKNOWN	I	95	\$0.00	\$1,015.74	\$1,015.74	19.0	REVENUE
ISEYENUT58F	UNKNOWN	I	1	\$0.00	\$5.35	\$5.35	.1	REVENUE
ISEYENUT58F	UNKNOWN	I	46	\$0.00	\$245.92	\$245.92	4.6	REVENUE
ISEYENUT58F	UNKNOWN	I	35	\$0.00	\$187.11	\$187.11	3.5	REVENUE
ISPLF	UNKNOWN	I	3	\$0.00	\$16.04	\$16.04	.3	REVENUE
IVPCLT45PF	UNKNOWN	I	4	\$245.98	\$128.30	\$374.28	2.4	REVENUE
NEUMESCLMP10ALF	UNKNOWN	I	8	\$0.00	\$85.54	\$85.54	1.6	REVENUE
NEUSPTIE10ALF	UNKNOWN	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE



Detailed Cost Estimate

WR Nbr: 1451310
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - OH DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - OH DESIGN

NSATTACHDEF	UNKNOWN	I	130	\$0.00	\$34.75	\$34.75	.7	REVENUE
NSATTACHTANF	UNKNOWN	I	11	\$0.00	\$2.94	\$2.94	.1	REVENUE
NSSB12F	UNKNOWN	I	3	\$0.00	\$16.04	\$16.04	.3	REVENUE
SDEMASTCLMPMSMF	UNKNOWN	I	176	\$0.00	\$1,881.79	\$1,881.79	35.2	REVENUE
SDEMSPNCLMPF	UNKNOWN	I	78	\$0.00	\$833.98	\$833.98	15.6	REVENUE
SDEMSPNCLMPF	UNKNOWN	I	31	\$0.00	\$331.45	\$331.45	6.2	REVENUE
SERCLMP10ALF	UNKNOWN	I	31	\$0.00	\$331.45	\$331.45	6.2	REVENUE
SERCLMPN2ALF	UNKNOWN	I	246	\$0.00	\$2,630.23	\$2,630.23	49.2	REVENUE
SERCLMPN4ALF	UNKNOWN	I	106	\$0.00	\$1,133.35	\$1,133.35	21.2	REVENUE
STIEF10ALF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
TTIEF10ALF	UNKNOWN	I	36	\$0.00	\$384.91	\$384.91	7.2	REVENUE
WGCOTOPCOVERF	UNKNOWN	I	7	\$189.03	\$7.48	\$196.51	.1	REVENUE
WGTPPERCHDETSMF	UNKNOWN	I	13	\$297.30	\$13.90	\$311.20	.3	REVENUE
OH PRIMARY COND								
JUMP10ALF	UNKNOWN	I	10	\$18.17	\$267.30	\$285.47	5.0	REVENUE
OHBTLABSETUPF	UNKNOWN	I	47	\$0.00	\$1,758.83	\$1,758.83	32.9	REVENUE
OHBTLABSETUPF	UNKNOWN	I	46	\$0.00	\$1,721.41	\$1,721.41	32.2	REVENUE
OHBTLABSETUPF	UNKNOWN	I	352	\$0.00	\$13,172.54	\$13,172.54	246.4	REVENUE
WOP10AAACF	UNKNOWN	I	4696	\$1,077.50	\$2,510.48	\$3,587.98	47.0	REVENUE
WOP10AAACF	UNKNOWN	I	2036	\$467.16	\$1,088.45	\$1,555.61	20.4	REVENUE
OH RECLOSER								
RCRISERN2CUF	UNKNOWN	I	6	\$0.00	\$320.76	\$320.76	6.0	REVENUE
OH SEC COND								
OHSVCSF	UNKNOWN	I	176	\$0.00	\$4.70	\$4.70	.1	REVENUE
WOC10AACARTPX	UNKNOWN	I	3500	\$3,921.68	\$1,871.10	\$5,792.78	35.0	REVENUE
WOC40AACARTPX	UNKNOWN	I	2245	\$3,771.78	\$1,200.18	\$4,971.96	22.5	REVENUE
WOS10AACARTPX	UNKNOWN	I	4920	\$5,512.76	\$131.51	\$5,644.27	2.5	REVENUE
WOSN2AACTPX	UNKNOWN	I	2120	\$1,470.11	\$56.67	\$1,526.78	1.1	REVENUE
OH TRANSFORMER								
TFO25SM12CF	UNKNOWN	I	1	\$803.94	\$58.81	\$862.75	1.1	REVENUE
TFO50DT312CF	UNKNOWN	I	2	\$3,051.20	\$117.61	\$3,168.81	2.2	REVENUE
TFO50SM12CF	UNKNOWN	I	7	\$8,750.18	\$411.64	\$9,161.82	7.7	REVENUE
TFO75DTM12CF	UNKNOWN	I	8	\$15,784.86	\$513.22	\$16,298.08	9.6	REVENUE
TOAMAF	UNKNOWN	I	10	\$0.00	\$53.46	\$53.46	1.0	REVENUE
TOAMALGF	UNKNOWN	I	8	\$0.00	\$42.77	\$42.77	.8	REVENUE
TOAPLPRIIRISERSF	UNKNOWN	I	18	\$0.00	\$86.61	\$86.61	1.6	REVENUE
TOASL10AWSTEMF	UNKNOWN	I	3	\$0.00	\$14.43	\$14.43	.3	REVENUE
TOASL40AWSTEMF	UNKNOWN	I	27	\$94.87	\$129.91	\$224.78	2.4	REVENUE
TOASL500AWLUGF	UNKNOWN	I	24	\$1,001.70	\$115.47	\$1,117.17	2.2	REVENUE
POLE								
OHLTLABSETUPF	UNKNOWN	I	47	\$0.00	\$1,758.83	\$1,758.83	32.9	REVENUE
OHLTLABSETUPF	UNKNOWN	I	46	\$0.00	\$1,721.41	\$1,721.41	32.2	REVENUE



Detailed Cost Estimate

WR Nbr: 1451310
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - OH DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - OH DESIGN

P306F	UNKNOWN	I	46	\$3,989.07	\$4,918.32	\$8,907.39	92.0	REVENUE
P355F	UNKNOWN	I	47	\$5,979.92	\$5,025.24	\$11,005.16	94.0	REVENUE
Subtotal:				<u>\$57,871.89</u>	<u>\$57,453.63</u>	<u>\$115,325.52</u>	<u>1,074.7</u>	

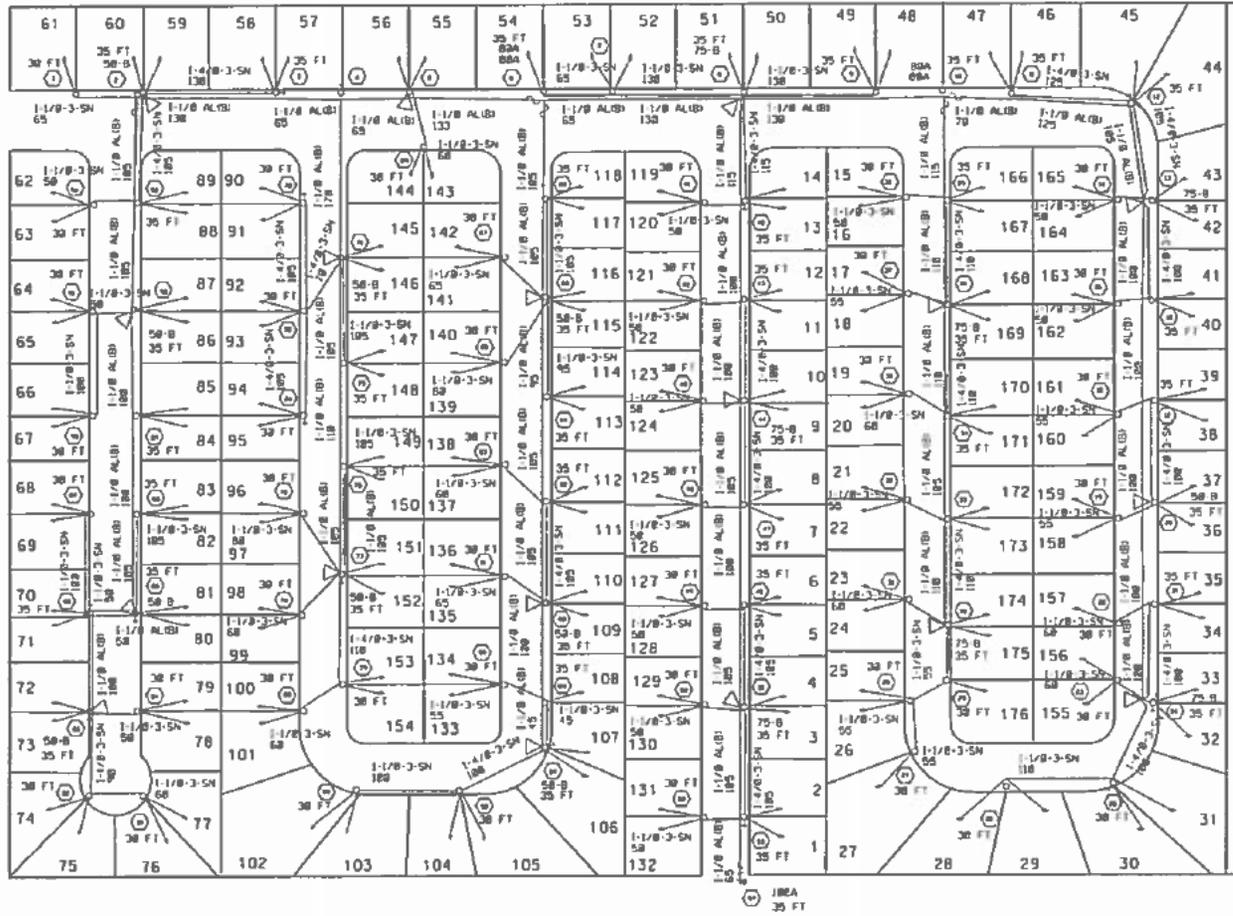
Total Construction Cost

\$152,193.53

Total CIAC

\$0.00

Capital Construction Cost	<u>\$152,193.51</u>	100.00%
	<u>\$152,193.51</u>	



PSC FILING PROJECT
 HIGH DENSITY SUBDIVISION
 SIX OR MORE DWELLING UNITS
 PER ACRE

- NOTES:
- 176 LOT SUBDIVISION
 - 1888-2888 SQ FT HOMES W/ 3.5 TDN A/C
 - 31.8 KVA PER LOT
 - 1-25 KVA POLE MOUNT TRANSFORMER
 - 4-50 KVA POLE MOUNT TRANSFORMERS
 - 8-75 KVA POLE MOUNT TRANSFORMERS
 - 1875 KVA TOTAL
 - 4621 FT 1/8" AAC PRIMARY OVERHEAD WIRE
 - 3528 FT 1/8" TRIPLEX SECONDARY CABLE
 - 3810 FT 4/8" TRIPLEX SECONDARY CABLE
 - 3128 FT #2 TRIPLEX SERVICE WIRE (53 @ 48 FT LENGTHS)
 - 4928 FT 1/8" TRIPLEX SERVICE WIRE (123 @ 40 FT LENGTHS)

APPROVED FOR PERMITS	DATE	BY	APPROVED FOR CONSTRUCTION	DATE	BY
CONTACT:					

176 Lot Subdivision Underground (High Density - Single Service) WR #145308 rev 1

Item	Material	Per Lot	Labor	Per Lot	Total	Total Average/per lot
Service	\$ 8,258.01	\$ 46.92	\$ 17,010.99	\$ 96.65	\$ 25,269.00	\$ 143.57
Primary	\$ 11,868.57	\$ 67.44	\$ 15,552.95	\$ 88.37	\$ 27,421.52	\$ 155.80
Secondary	\$ 14,249.08	\$ 80.96	\$ 9,724.11	\$ 55.25	\$ 23,973.19	\$ 136.21
Transformers	\$ 31,085.38	\$ 176.62	\$ 1,181.47	\$ 6.71	\$ 32,266.85	\$ 183.33
Trenching						
Primary & Secondary	\$ -	\$ -	\$ 15,128.37	\$ 85.96	\$ 15,128.37	\$ 85.96
Service	\$ -	\$ -	\$ 20,699.71	\$ 117.61	\$ 20,699.71	\$ 117.61
Poles						
Store Handling	\$ 12,114.90	\$ 68.83	\$ -	\$ -	\$ 12,114.90	\$ 68.83
Engineering	\$ -	\$ -	\$ 11,022.37	\$ 62.63	\$ 11,022.37	\$ 62.63
Supervision	\$ -	\$ -	\$ 22,885.29	\$ 130.03	\$ 22,885.29	\$ 130.03
Fleet	\$ -	\$ -	\$ 16,977.62	\$ 96.46	\$ 16,977.62	\$ 96.46
Totals	\$ 77,575.94	\$ 440.77	\$ 130,182.88	\$ 739.68	\$ 207,758.82	\$ 1,180.45
*Actual Material Cost	\$ 67,272.32	\$ 382.23				

revised 3/3/17



Detailed Cost Estimate

WR Nbr: 1451308
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - UG DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - UG DESIGN

Item	Total
DESIGN AND PROJ MGT PEF	\$11,022.37
FLEET - PEF	\$16,977.62
MANAGEMENT & SUPV - PEF	\$22,885.29
	<u>\$50,885.28</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
BD40PVC903620F	UNKNOWN	I	34	\$0.00	\$193.80	\$193.80	3.4	REVENUE
CABGRP1X125F	UNKNOWN	I	4	\$0.00	\$21.38	\$21.38	.4	REVENUE
CBRIS40PVC20F	UNKNOWN	I	176	\$0.00	\$10,349.86	\$10,349.86	193.6	REVENUE
CDCAP20F	UNKNOWN	I	68	\$0.00	\$116.28	\$116.28	2.0	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
FUSE								
FUSE15CO100F	UNKNOWN	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
GROUNDING								
GAR1F	UNKNOWN	I	12	\$0.00	\$192.46	\$192.46	3.6	REVENUE
GOWE6F	UNKNOWN	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
GRODFRF	UNKNOWN	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
GUAR1F	UNKNOWN	I	21	\$0.00	\$336.80	\$336.80	6.3	REVENUE
GUP1E4F	UNKNOWN	I	17	\$0.00	\$636.17	\$636.17	11.9	REVENUE
GURODFRF	UNKNOWN	I	17	\$0.00	\$363.53	\$363.53	6.8	REVENUE
MISC								
KH10N2ALF	UNKNOWN	I	4	\$0.00	\$42.77	\$42.77	.8	REVENUE
KHLC40N6F	UNKNOWN	I	4	\$0.00	\$42.77	\$42.77	.8	REVENUE
KP4H35N10F	UNKNOWN	I	3	\$13.52	\$32.08	\$45.60	.6	REVENUE
KP4W40F	UNKNOWN	I	219	\$0.00	\$2,341.55	\$2,341.55	43.8	REVENUE
KUGEQMPXSECF	UNKNOWN	I	148	\$0.00	\$1,582.42	\$1,582.42	29.6	REVENUE
KUGEQMPXSECF	UNKNOWN	I	176	\$0.00	\$1,881.79	\$1,881.79	35.2	REVENUE
KXS586WF	UNKNOWN	I	51	\$0.00	\$545.29	\$545.29	10.2	REVENUE
OH MISC								
BKTCO18FGF	UNKNOWN	I	4	\$0.00	\$64.15	\$64.15	1.2	REVENUE
IHPTT25F	UNKNOWN	I	4	\$0.00	\$128.30	\$128.30	2.4	REVENUE
ISSTUDBOLT5812F	UNKNOWN	I	4	\$0.00	\$42.77	\$42.77	.8	REVENUE
WGCOTOPCOVERF	UNKNOWN	I	1	\$27.00	\$1.07	\$28.07	.0	REVENUE
WGPTPERCHDETSMF	UNKNOWN	I	1	\$22.87	\$1.07	\$23.94	.0	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	UNKNOWN	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
OH RECLOSER								
RCRISERN2CUF	UNKNOWN	I	4	\$0.00	\$213.84	\$213.84	4.0	REVENUE
POLE								



Detailed Cost Estimate

WR Nbr: 1451308
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - UG DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - UG DESIGN

OHLTLABSETUPF	UNKNOWN	I	17	\$0.00	\$636.17	\$636.17	11.9	REVENUE
STRUCTURE								
PAD1P40X45CF	UNKNOWN	I	17	\$1,499.30	\$2,090.29	\$3,589.59	39.1	REVENUE
PEDLABAGF	UNKNOWN	I	74	\$0.00	\$1,582.42	\$1,582.42	29.6	REVENUE
PEDUR9X14PF	UNKNOWN	I	74	\$5,182.98	\$1,582.42	\$6,765.40	29.6	REVENUE
TRENCH AND BORE								
TBTR36F	UNKNOWN	I	5645	\$0.00	\$9,652.95	\$9,652.95	169.4	REVENUE
TBTR36F	UNKNOWN	I	3202	\$0.00	\$5,475.42	\$5,475.42	96.1	REVENUE
UG ARRESTOR								
ARREL10F	UNKNOWN	I	4	\$304.16	\$106.92	\$411.08	2.0	REVENUE
ARUGTP10F	UNKNOWN	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
UG ELBOW								
EB10AL2LB15F	UNKNOWN	I	34	\$1,022.66	\$2,362.93	\$3,385.59	44.2	REVENUE
UG MISC								
TRM10AL215KITF	UNKNOWN	I	4	\$0.00	\$213.84	\$213.84	4.0	REVENUE
UG PRIMARY COND								
CABTRDMF	UNKNOWN	I	9690	\$0.00	\$259.01	\$259.01	4.9	REVENUE
CABTRDMF	UNKNOWN	I	5674	\$0.00	\$151.67	\$151.67	2.8	REVENUE
FDTHR152WF	UNKNOWN	I	2	\$0.00	\$9.62	\$9.62	.2	REVENUE
UGLABSETUPF	UNKNOWN	I	74	\$0.00	\$791.21	\$791.21	14.8	REVENUE
UGLABSETUPF	UNKNOWN	I	176	\$0.00	\$1,881.79	\$1,881.79	35.2	REVENUE
UGLABSETUPF	UNKNOWN	I	17	\$0.00	\$181.76	\$181.76	3.4	REVENUE
WUP10ALXJ15F	UNKNOWN	I	5674	\$11,189.09	\$1,516.66	\$12,705.75	28.4	REVENUE
UG SEC COND								
UGSVCDBSF	UNKNOWN	I	176	\$0.00	\$20,699.71	\$20,699.71	387.2	REVENUE
WUR20TPXF	UNKNOWN	I	7047	\$7,069.59	\$1,883.66	\$8,953.25	35.2	REVENUE
WUR350TPXF	UNKNOWN	I	232	\$550.95	\$62.01	\$612.96	1.2	REVENUE
WUR40TPXF	UNKNOWN	I	2411	\$4,069.12	\$644.46	\$4,713.58	12.1	REVENUE
WUS20TPXF	UNKNOWN	I	9570	\$9,600.68	\$2,558.06	\$12,158.74	47.9	REVENUE
WUS40TPXF	UNKNOWN	I	110	\$185.65	\$29.40	\$215.05	.6	REVENUE
UG TRANSFORMER								
TU50DL3121CF	UNKNOWN	I	1	\$2,149.53	\$69.50	\$2,219.03	1.3	REVENUE
TU50DL4121CF	UNKNOWN	I	5	\$9,408.48	\$347.49	\$9,755.97	6.5	REVENUE
TU75DL3121CF	UNKNOWN	I	1	\$2,455.07	\$69.50	\$2,524.57	1.3	REVENUE
TU75DL4121CF	UNKNOWN	I	10	\$22,825.28	\$694.98	\$23,520.26	13.0	REVENUE
TUAMUA1PDFLF	UNKNOWN	I	17	\$0.00	\$3,907.93	\$3,907.93	73.1	REVENUE
Subtotal:				\$77,575.93	\$79,297.62	\$156,873.55	1,465.4	

Total Construction Cost

\$207,758.88

Total CIAC

\$0.00



Detailed Cost Estimate

WR Nbr: 1451308
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - UG DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

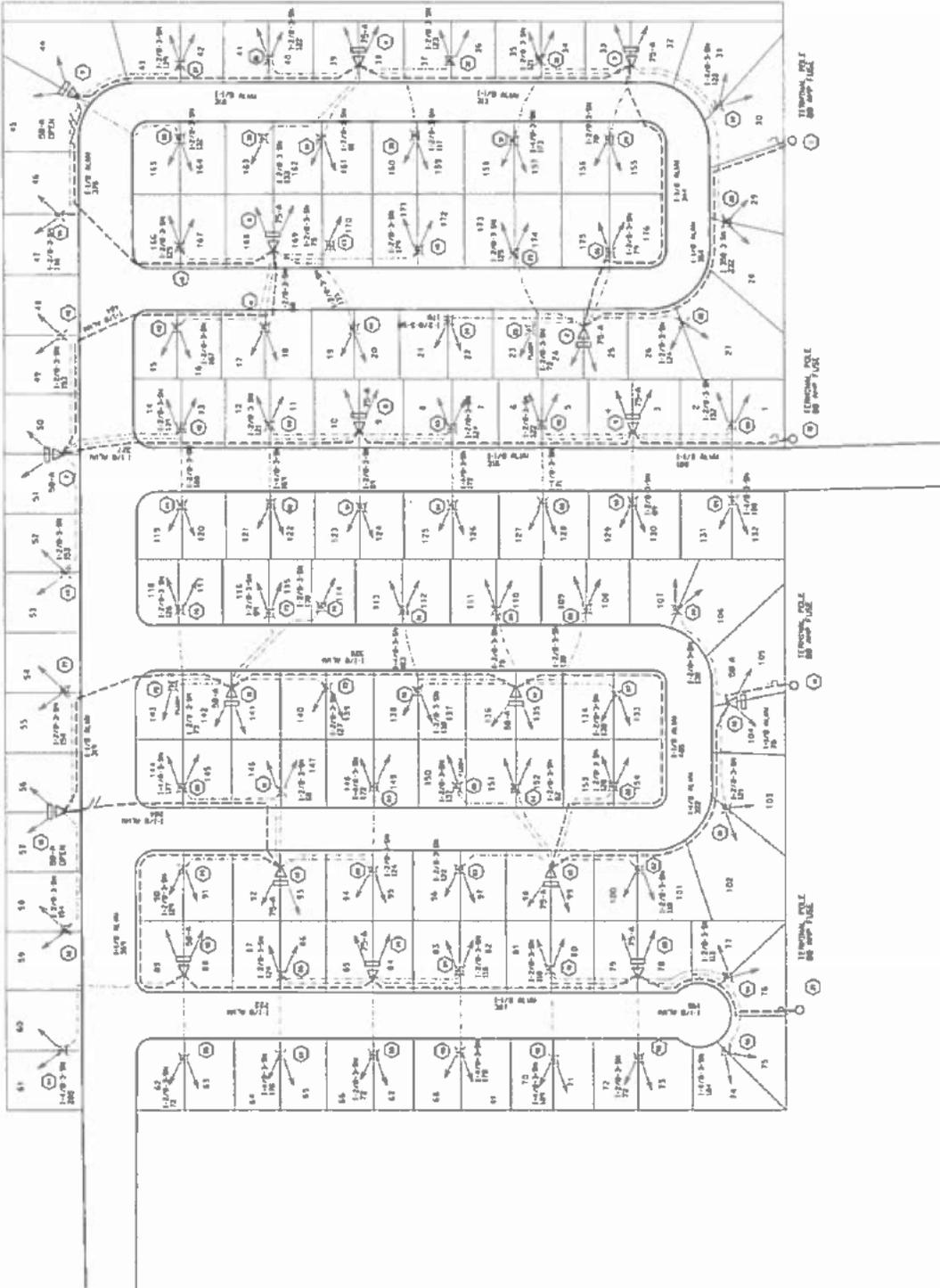
WR Description: 2017 URD RATE FILING - 176 LOT HD SINGLE SUB - UG DESIGN

Capital Construction Cost	\$207,758.81	100.00%
	<u>\$207,758.81</u>	

**PSC FILING PROJECT
HIGH DENSITY SUBDIVISION
SIX OR MORE
DWELLING UNITS PER ACRE**

NOTES:

- 176 LOT SUBDIVISION
- 1800-0000 SQ FT HOMES WITH 3.3 TON A/C
- 11.6 SPA PER LOT
- 11-15 SPA TRANSFORMERS
- 6 - 50 SPA TRANSFORMERS
- 125 SPA TOTAL
- 5999 FT PRIMARY CABLE AND AL.
- 1045 FT SECONDARY CABLE TO TRANSFORMERS
- 221 FT SECONDARY CABLE TO TRANSFORMERS
- 227 FT SECONDARY CABLE TO TRANSFORMERS
- 16 UNBRIGHT PESTICIDES
- 5445 FT PRIMARY TRENCH
- 3300 FT SECONDARY TRENCH
- 174 SERVICES 375' x 110' x 15' x 15'
- 2 SERVICES 470' x 140' x 15' x 110' FT
- ROAD SERVICE TRENCHING 1176' x 40' x 1



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176 Lot Subdivision Overhead (High Density - Gang Service) WR #1452463 rev 1

Item	Material	Per Lot	Labor	Per Lot	Total	Total Average/per lot
Service	\$ 3,553.95	\$ 20.19	\$ 3,745.43	\$ 21.28	\$ 7,299.38	\$ 41.47
Primary	\$ 4,041.21	\$ 22.96	\$ 12,796.19	\$ 72.71	\$ 16,837.40	\$ 95.67
Secondary	\$ 5,068.67	\$ 28.80	\$ 8,371.84	\$ 47.57	\$ 13,440.51	\$ 76.37
Transformers	\$ 23,395.42	\$ 132.93	\$ 887.44	\$ 5.04	\$ 24,282.86	\$ 137.97
Poles	\$ 6,199.64	\$ 35.23	\$ 8,949.20	\$ 50.85	\$ 15,148.84	\$ 86.07
Store Handling	\$ 7,820.87	\$ 44.44		\$ -	\$ 7,820.87	\$ 44.44
Engineering	\$ -	\$ -	\$ 4,830.26	\$ 27.44	\$ 4,830.26	\$ 27.44
Supervision	\$ -	\$ -	\$ 10,028.88	\$ 56.98	\$ 10,028.88	\$ 56.98
Fleet	\$ -	\$ -	\$ 7,440.00	\$ 42.27	\$ 7,440.00	\$ 42.27
Totals	\$ 50,079.76	\$ 284.54	\$ 57,049.24	\$ 324.14	\$ 107,129.00	\$ 608.69

*Actual Material Cost \$48,084.97 \$ 273.21

revised 3/3/17



Detailed Cost Estimate

WR Nbr: 1452463
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 176 LOT HD GANG SUB - OH DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 176 LOT HD GANG SUB - OH DESIGN

Item	Total
DESIGN AND PROJ MGT PEF	\$4,830.26
FLEET - PEF	\$7,440.00
MANAGEMENT & SUPV - PEF	\$10,028.88
	<u>\$22,299.14</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
FUSE								
FUSE15CO100F	UNKNOWN	I	3	\$0.00	\$64.15	\$64.15	1.2	REVENUE
FUSE27CO100F	UNKNOWN	I	2	\$0.00	\$42.77	\$42.77	.8	REVENUE
TFUSE15CO100F	UNKNOWN	I	14	\$0.00	\$299.38	\$299.38	5.6	REVENUE
GROUNDING								
GAR1F	UNKNOWN	I	42	\$0.00	\$673.60	\$673.60	12.6	REVENUE
GOWE6F	UNKNOWN	I	14	\$0.00	\$523.91	\$523.91	9.8	REVENUE
GRODFRF	UNKNOWN	I	14	\$0.00	\$299.38	\$299.38	5.6	REVENUE
GUY								
ANRS101283EF	UNKNOWN	I	15	\$719.72	\$240.57	\$960.29	4.5	REVENUE
ANRS81553EF	UNKNOWN	I	10	\$314.30	\$160.38	\$474.68	3.0	REVENUE
FBGL78F	UNKNOWN	I	15	\$0.00	\$48.11	\$48.11	.9	REVENUE
FBGL78F	UNKNOWN	I	2	\$0.00	\$6.42	\$6.42	.1	REVENUE
GUYD516F	UNKNOWN	I	25	\$0.00	\$1,069.20	\$1,069.20	20.0	REVENUE
GUYD516F	UNKNOWN	I	15	\$0.00	\$641.52	\$641.52	12.0	REVENUE
MISC								
KH10N2ALF	UNKNOWN	I	27	\$0.00	\$288.68	\$288.68	5.4	REVENUE
KTSTUD4H50ALF	UNKNOWN	I	36	\$0.00	\$384.91	\$384.91	7.2	REVENUE
OH MISC								
BKTCO18FGF	UNKNOWN	I	19	\$0.00	\$304.72	\$304.72	5.7	REVENUE
BKTPPF	UNKNOWN	I	32	\$345.31	\$342.14	\$687.45	6.4	REVENUE
DECLMP10AAACF	UNKNOWN	I	27	\$0.00	\$288.68	\$288.68	5.4	REVENUE
DECLMP10AAACF	UNKNOWN	I	60	\$0.00	\$641.52	\$641.52	12.0	REVENUE
IDES35PF	UNKNOWN	I	27	\$0.00	\$866.05	\$866.05	16.2	REVENUE
IHPCLTG45PF	UNKNOWN	I	4	\$362.59	\$128.30	\$490.89	2.4	REVENUE
IHPPT25F	UNKNOWN	I	32	\$0.00	\$1,026.43	\$1,026.43	19.2	REVENUE
IHPPT35F	UNKNOWN	I	2	\$0.00	\$64.15	\$64.15	1.2	REVENUE
ISEYEBOLT5812F	UNKNOWN	I	102	\$0.00	\$1,090.58	\$1,090.58	20.4	REVENUE
ISEYEBOLT5812F	UNKNOWN	I	23	\$0.00	\$245.92	\$245.92	4.6	REVENUE
ISEYENUT58F	UNKNOWN	I	39	\$0.00	\$208.49	\$208.49	3.9	REVENUE
ISEYENUT58F	UNKNOWN	I	2	\$0.00	\$10.69	\$10.69	.2	REVENUE
ISEYENUT58F	UNKNOWN	I	22	\$0.00	\$117.61	\$117.61	2.2	REVENUE
ISGAINGRID55F	UNKNOWN	I	6	\$0.00	\$64.15	\$64.15	1.2	REVENUE
ISHUNTCLIPF	UNKNOWN	I	8	\$0.00	\$42.77	\$42.77	.8	REVENUE



Detailed Cost Estimate

WR Nbr: 1452463
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 176 LOT HD GANG SUB - OH DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 176 LOT HD GANG SUB - OH DESIGN

ISPLF	UNKNOWN	I	7	\$0.00	\$37.42	\$37.42	.7	REVENUE
ISSTUDBOLT5812F	UNKNOWN	I	6	\$0.00	\$64.15	\$64.15	1.2	REVENUE
MIDSPANTAPF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
NEUDEGRIP10ALF	UNKNOWN	I	3	\$0.00	\$32.08	\$32.08	.6	REVENUE
NEUMESCLMP10ALF	UNKNOWN	I	8	\$0.00	\$85.54	\$85.54	1.6	REVENUE
NEUSPTIE10ALF	UNKNOWN	I	7	\$0.00	\$74.84	\$74.84	1.4	REVENUE
NSATTACHDEF	UNKNOWN	I	131	\$0.00	\$35.02	\$35.02	.7	REVENUE
NSATTACHTANF	UNKNOWN	I	15	\$0.00	\$4.01	\$4.01	.1	REVENUE
NSSB12F	UNKNOWN	I	7	\$0.00	\$37.42	\$37.42	.7	REVENUE
SCLMP10AAACF	UNKNOWN	I	2	\$0.00	\$21.38	\$21.38	.4	REVENUE
SDEMASTCLMPLGF	UNKNOWN	I	17	\$0.00	\$181.76	\$181.76	3.4	REVENUE
SDEMASTCLMPSMF	UNKNOWN	I	45	\$0.00	\$481.14	\$481.14	9.0	REVENUE
SDEMSPNCLMPF	UNKNOWN	I	4	\$0.00	\$42.77	\$42.77	.8	REVENUE
SDEMSPNCLMPF	UNKNOWN	I	39	\$0.00	\$416.99	\$416.99	7.8	REVENUE
SERCLMP10ALF	UNKNOWN	I	36	\$0.00	\$384.91	\$384.91	7.2	REVENUE
SERCLMP10ALF	UNKNOWN	I	47	\$0.00	\$502.52	\$502.52	9.4	REVENUE
SERCLMP40ALF	UNKNOWN	I	49	\$0.00	\$523.91	\$523.91	9.8	REVENUE
SERCLMP40ALF	UNKNOWN	I	17	\$0.00	\$181.76	\$181.76	3.4	REVENUE
SERCLMPN2ALF	UNKNOWN	I	9	\$0.00	\$96.23	\$96.23	1.8	REVENUE
SERCLMPN2ALF	UNKNOWN	I	11	\$0.00	\$117.61	\$117.61	2.2	REVENUE
STIEF10ALF	UNKNOWN	I	8	\$0.00	\$85.54	\$85.54	1.6	REVENUE
TTIEF10ALF	UNKNOWN	I	30	\$0.00	\$320.76	\$320.76	6.0	REVENUE
WGCOTOPCOVERF	UNKNOWN	I	5	\$135.02	\$5.35	\$140.37	.1	REVENUE
WGPTPERCHDETSMF	UNKNOWN	I	11	\$251.56	\$11.76	\$263.32	.2	REVENUE
OH PRIMARY COND								
JUMP10ALF	UNKNOWN	I	12	\$21.81	\$320.76	\$342.57	6.0	REVENUE
OHBTLABSETUPF	UNKNOWN	I	24	\$0.00	\$898.13	\$898.13	16.8	REVENUE
OHBTLABSETUPF	UNKNOWN	I	40	\$0.00	\$1,496.88	\$1,496.88	28.0	REVENUE
OHBTLABSETUPF	UNKNOWN	I	62	\$0.00	\$2,320.16	\$2,320.16	43.4	REVENUE
WOP10AAACF	UNKNOWN	I	6230	\$1,429.47	\$3,330.56	\$4,760.03	62.3	REVENUE
OH RECLOSER								
RCRISERN2CUF	UNKNOWN	I	5	\$0.00	\$267.30	\$267.30	5.0	REVENUE
OH SEC COND								
OHSVCSF	UNKNOWN	I	176	\$0.00	\$4.70	\$4.70	.1	REVENUE
WOC10AACAERTPX	UNKNOWN	I	335	\$375.36	\$179.09	\$554.45	3.4	REVENUE
WOC40AACAERTPX	UNKNOWN	I	3140	\$5,275.46	\$1,678.64	\$6,954.10	31.4	REVENUE
WOCN2AACTPX	UNKNOWN	I	60	\$41.61	\$32.08	\$73.69	.6	REVENUE
WOS10AACAERTPX	UNKNOWN	I	2130	\$2,386.62	\$56.93	\$2,443.55	1.1	REVENUE
WOS40AACAERTPX	UNKNOWN	I	915	\$1,537.28	\$24.46	\$1,561.74	.5	REVENUE
WOSN2AACTPX	UNKNOWN	I	300	\$287.78	\$8.02	\$295.80	.2	REVENUE
OH TRANSFORMER								
TFO100DT312CF	UNKNOWN	I	1	\$2,837.20	\$64.15	\$2,901.35	1.2	REVENUE



Detailed Cost Estimate

WR Nbr: 1452463
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 176 LOT HD GANG SUB - OH DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 176 LOT HD GANG SUB - OH DESIGN

TFO100DTM12CF	UNKNOWN	I	2	\$4,648.20	\$128.30	\$4,776.50	2.4	REVENUE
TFO50SM12CF	UNKNOWN	I	2	\$2,481.85	\$117.61	\$2,599.46	2.2	REVENUE
TFO75DTM12CF	UNKNOWN	I	9	\$17,757.97	\$577.37	\$18,335.34	10.8	REVENUE
TOAMAF	UNKNOWN	I	2	\$0.00	\$10.69	\$10.69	.2	REVENUE
TOAMALGF	UNKNOWN	I	12	\$0.00	\$64.15	\$64.15	1.2	REVENUE
TOAPLPRIRISERSF	UNKNOWN	I	14	\$0.00	\$67.36	\$67.36	1.3	REVENUE
TOASL40AWSTEMF	UNKNOWN	I	6	\$21.08	\$28.87	\$49.95	.5	REVENUE
TOASL500AWLUGF	UNKNOWN	I	36	\$1,502.56	\$173.21	\$1,675.77	3.2	REVENUE
POLE								
OHLTLABSETUPF	UNKNOWN	I	38	\$0.00	\$1,422.04	\$1,422.04	26.6	REVENUE
OHLTLABSETUPF	UNKNOWN	I	24	\$0.00	\$898.13	\$898.13	16.8	REVENUE
P306F	UNKNOWN	I	24	\$2,081.25	\$2,566.08	\$4,647.33	48.0	REVENUE
P355F	UNKNOWN	I	30	\$3,816.97	\$3,207.60	\$7,024.57	60.0	REVENUE
P405F	UNKNOWN	I	8	\$1,448.79	\$855.36	\$2,304.15	16.0	REVENUE
Subtotal:				<u>\$50,079.76</u>	<u>\$34,750.06</u>	<u>\$84,829.82</u>	<u>650.0</u>	

Total Construction Cost

\$107,128.98

Total CIAC

\$0.00

Capital Construction Cost	\$107,128.99	100.00%
	<u>\$107,128.99</u>	

176 Lot Subdivision Underground (High Density - Gang Service) WR #1452464 rev 1

Item	Material	Per Lot	Labor	Per Lot	Total	Total Average/per lot
Service	\$ 10,947.06	\$ 62.20	\$ 8,742.98	\$ 49.68	\$ 19,690.04	\$ 111.88
Primary	\$ 9,669.04	\$ 54.94	\$ 11,508.26	\$ 65.39	\$ 21,177.30	\$ 120.33
Secondary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers	\$ 26,335.47	\$ 149.63	\$ 972.97	\$ 5.53	\$ 27,308.44	\$ 155.16
Trenching						
Primary & Secondary	\$ -	\$ -	\$ 7,433.37	\$ 42.24	\$ 7,433.37	\$ 42.24
Service	\$ -	\$ -	\$ 10,994.05	\$ 62.47	\$ 10,994.05	\$ 62.47
Poles						
Store Handling	\$ 8,689.35	\$ 49.37	\$ -	\$ -	\$ 8,689.35	\$ 49.37
Engineering	\$ -	\$ -	\$ 5,511.58	\$ 31.32	\$ 5,511.58	\$ 31.32
Supervision	\$ -	\$ -	\$ 11,443.46	\$ 65.02	\$ 11,443.46	\$ 65.02
Fleet	\$ -	\$ -	\$ 8,489.41	\$ 48.24	\$ 8,489.41	\$ 48.24
Totals	\$ 55,640.92	\$ 316.14	\$ 65,096.08	\$ 369.86	\$ 120,737.00	\$ 686.01
*Actual Material Cost	\$ 47,579.27	\$ 270.34				

revised 3/6/17



Detailed Cost Estimate

WR Nbr: 1452464
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 176 LOT HD GANG SUB - UG DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 176 LOT HD GANG SUB - UG DESIGN

Item	Total
DESIGN AND PROJ MGT PEF	\$5,511.58
FLEET - PEF	\$8,489.41
MANAGEMENT & SUPV - PEF	\$11,443.46
	<u>\$25,444.45</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
BD40PVC903620F	UNKNOWN	I	63	\$0.00	\$359.10	\$359.10	6.3	REVENUE
CABGRP1X125F	UNKNOWN	I	4	\$0.00	\$21.38	\$21.38	.4	REVENUE
CBRIS40PVC20F	UNKNOWN	I	58	\$0.00	\$3,410.75	\$3,410.75	63.8	REVENUE
CBRIS40PVC25F	UNKNOWN	I	5	\$0.00	\$294.03	\$294.03	5.5	REVENUE
CDCAP20F	UNKNOWN	I	126	\$0.00	\$215.46	\$215.46	3.8	REVENUE
CRIS3UGPVC225WF	UNKNOWN	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
FUSE								
FUSE15CO100F	UNKNOWN	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
GROUNDING								
GAR1F	UNKNOWN	I	12	\$0.00	\$192.46	\$192.46	3.6	REVENUE
GOWE6F	UNKNOWN	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
GRODFRF	UNKNOWN	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
GUAR1F	UNKNOWN	I	18	\$0.00	\$288.68	\$288.68	5.4	REVENUE
GUP1E4F	UNKNOWN	I	14	\$0.00	\$523.91	\$523.91	9.8	REVENUE
GURODFRF	UNKNOWN	I	12	\$0.00	\$256.61	\$256.61	4.8	REVENUE
MISC								
KH10N2ALF	UNKNOWN	I	4	\$0.00	\$42.77	\$42.77	.8	REVENUE
KHLC40N6F	UNKNOWN	I	4	\$0.00	\$42.77	\$42.77	.8	REVENUE
KUGEQMPXSECF	UNKNOWN	I	63	\$0.00	\$673.60	\$673.60	12.6	REVENUE
KXS586WF	UNKNOWN	I	33	\$0.00	\$352.84	\$352.84	6.6	REVENUE
KXS588W50F	UNKNOWN	I	9	\$0.00	\$96.23	\$96.23	1.8	REVENUE
OH MISC								
BKTCO18FGF	UNKNOWN	I	4	\$0.00	\$64.15	\$64.15	1.2	REVENUE
IHPPT25F	UNKNOWN	I	4	\$0.00	\$128.30	\$128.30	2.4	REVENUE
ISSTUDBOLT5812F	UNKNOWN	I	4	\$0.00	\$42.77	\$42.77	.8	REVENUE
WGCOTOPCOVERF	UNKNOWN	I	1	\$27.00	\$1.07	\$28.07	.0	REVENUE
WGPTPERCHDETSMF	UNKNOWN	I	1	\$22.87	\$1.07	\$23.94	.0	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	UNKNOWN	I	4	\$0.00	\$149.69	\$149.69	2.8	REVENUE
POLE								
OHTLABSETUPF	UNKNOWN	I	14	\$0.00	\$523.91	\$523.91	9.8	REVENUE
STRUCTURE								
PAD1P40X45CF	UNKNOWN	I	14	\$1,234.72	\$1,721.41	\$2,956.13	32.2	REVENUE



Detailed Cost Estimate

WR Nbr: 1452464
WR Revision: 1

Operating District: ST PETERSBURG

Customer Name: 2017 URD RATE FILING - 176 LOT HD GANG SUB - UG DESIGN

WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:

Customer #:

Requested Completion Date: 12/31/2017

WR Owner: ROBERT E MCCABE

WR Description: 2017 URD RATE FILING - 176 LOT HD GANG SUB - UG DESIGN

TRENCH AND BORE

TBTR36F	UNKNOWN	I	4347	\$0.00	\$7,433.37	\$7,433.37	130.4	REVENUE
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UG ARRESTOR

ARREL10F	UNKNOWN	I	2	\$152.08	\$53.46	\$205.54	1.0	REVENUE
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ARUGTP10F	UNKNOWN	I	4	\$0.00	\$85.54	\$85.54	1.6	REVENUE
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UG ELBOW

EB10AL2LB15F	UNKNOWN	I	28	\$842.19	\$1,945.94	\$2,788.13	36.4	REVENUE
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UG MISC

TRM10AL215KITF	UNKNOWN	I	4	\$0.00	\$213.84	\$213.84	4.0	REVENUE
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UG PRIMARY COND

CABTRDMF	UNKNOWN	I	4347	\$0.00	\$116.20	\$116.20	2.2	REVENUE
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FDTHR152WF	UNKNOWN	I	2	\$0.00	\$9.62	\$9.62	.2	REVENUE
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UGLABSETUPF	UNKNOWN	I	63	\$0.00	\$673.60	\$673.60	12.6	REVENUE
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UGLABSETUPF	UNKNOWN	I	14	\$0.00	\$149.69	\$149.69	2.8	REVENUE
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WUP10ALXJ15F	UNKNOWN	I	4655	\$9,179.63	\$1,244.28	\$10,423.91	23.3	REVENUE
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UG SEC COND

UGSVDCBLF	UNKNOWN	I	25	\$0.00	\$5,078.70	\$5,078.70	95.0	REVENUE
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UGSVDCBMF	UNKNOWN	I	28	\$0.00	\$4,490.64	\$4,490.64	84.0	REVENUE
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UGSVDCBSF	UNKNOWN	I	10	\$0.00	\$1,176.12	\$1,176.12	22.0	REVENUE
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UGSVDCBXL	UNKNOWN	I	155	\$0.00	\$248.59	\$248.59	4.7	REVENUE
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WUS20TPXF	UNKNOWN	I	7041	\$7,063.57	\$1,882.06	\$8,945.63	35.2	REVENUE
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WUS350TPXF	UNKNOWN	I	1384	\$3,286.73	\$369.94	\$3,656.67	6.9	REVENUE
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WUS40TPXF	UNKNOWN	I	1554	\$2,622.73	\$415.38	\$3,038.11	7.8	REVENUE
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UG TRANSFORMER

TU50DL3121CF	UNKNOWN	I	1	\$2,149.53	\$69.50	\$2,219.03	1.3	REVENUE
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TU50DL4121CF	UNKNOWN	I	2	\$3,763.39	\$139.00	\$3,902.39	2.6	REVENUE
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TU75DL3121CF	UNKNOWN	I	1	\$2,455.07	\$69.50	\$2,524.57	1.3	REVENUE
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TU75DL4121CF	UNKNOWN	I	10	\$22,841.38	\$694.98	\$23,536.36	13.0	REVENUE
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TUAMUA1PDFLF	UNKNOWN	I	14	\$0.00	\$3,218.29	\$3,218.29	60.2	REVENUE
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Subtotal:

<u>\$55,640.89</u>	<u>\$39,651.66</u>	<u>\$95,292.55</u>	<u>732.4</u>
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Total Construction Cost

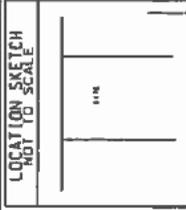
\$120,737.01

Total CIAC

\$0.00

Capital Construction Cost	<u>\$120,736.99</u>	100.00%
	<u>\$120,736.99</u>	

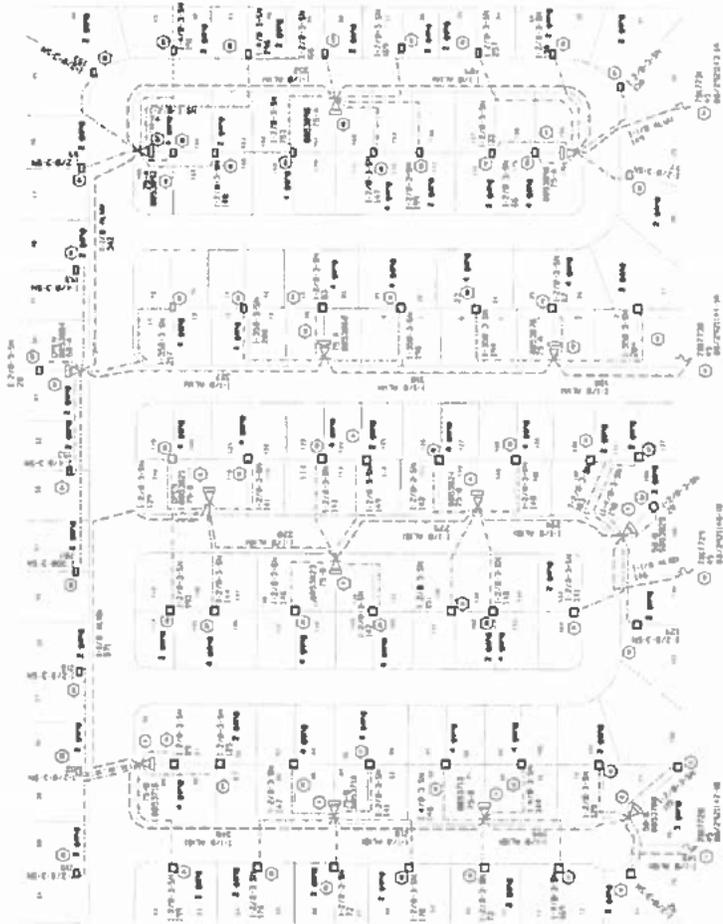
**PSC FILING PROJECT
TYPICAL MAP W/
GANGED METERS**



PRIMARY SCHEMATIC
UPSTREAM DEVICE
76-95898
DC TRANSFORMER

**PSC FILING PROJECT
TYPICAL MAP W/
GANGED METERS
HIGH DENSITY**

NOTES
CLASS 3 MOBILE HOMES
WITH 3-5 TON A/C
CUSTOMER OWNED METER PEDESTALS
11 M 75 KVA TRANSFORMERS
3 M 50 KVA TRANSFORMERS
14 - 975 KVA TOTAL
4732 FT PRIMARY CABLE 1/0
1371 FT 350-470 AL DIRECT BURIED
SERVICE CABLE TO CUSTOMER OWNED
METER PEDESTALS
1522 FT 470-470-2/0 AL DIRECT BURIED
SERVICE CABLE TO CUSTOMER OWNED
METER PEDESTALS
6129 FT 270-270-2 AL DIRECT BURIED
SERVICE CABLE TO CUSTOMER OWNED
METER PEDESTALS
WIRE LENGTHS INCLUDE 10% MAKEUP
4347 FT PRIMARY TRENCH
4510 FT SERVICE TRENCH

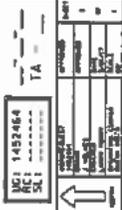


PROJECT FILING PROJECT
TYPICAL MAP W/
GANGED METERS

PROJECT NUMBER: 1452464
SHEET NUMBER: 1
DATE: 11/11/11

PROJECT FILING PROJECT
TYPICAL MAP W/
GANGED METERS

PROJECT NUMBER: 1452464
SHEET NUMBER: 1
DATE: 11/11/11



**SUMMARY OF REASONS FOR CHANGES
IN UPDATED URD CHARGES**

Duke Energy Florida

Update of Schedule Changes – Tariff Section 11.03

And Underground Service Laterals – Tariff Section 11.03 & 11.05

2017 Long Filing

11.03 – Summary of cost changes for Residential subdivision Designs

As part of this URD rate filing process, each of the three theoretical subdivisions were re-evaluated to determine if they still meet current NESC and Duke Energy construction standards. All subdivision design layouts had minor modifications to meet both NESC and Duke Energy construction standards. Some 50 kva padmounted transformers were upgraded to 75 kva padmounted transformers in the underground subdivision designs, based the lower loading capacities of the newer energy efficient transformers. The net effect is a minor increase in the differential cost.

Overhead and underground labor cost decreased. Overhead hourly rates remained relatively flat, while associated burdens decreased. Underground labor cost have decreased due to the transition from hourly pricing to unit based pricing for contractors. The Net effect is a decrease in the differential cost.

Materials cost have fluctuated marginally for both OH and UG theoretical subdivision designs. These costs appear to have been relatively equal for both OH and UG material. The net effect on the differential cost was minimal.

Duke Energy Florida has adjusted our loading rates related to Fleet, Stores, Engineering and Supervision, based upon recent historical data. These adders have decreased with the exception of Stores, which had a minor increase. The net effect is a decrease in the differential cost.