



Matthew R. Bernier
Sr. Counsel
Duke Energy Florida, Inc.

May 16, 2014

VIA OVERNIGHT MAIL

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

RECEIVED FPSC
14 MAY 16 AM 11:40
COMMISSION CLERK

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

Dear Ms. Stauffer:

Please find enclosed on behalf of Duke Energy Florida, Inc. ("DEF"), an original and five (5) copies of DEF's Response to Staff's First Data Request (Nos. 1-9). The document responsive to Data Request No. 4 is enclosed on disc with all formulas intact and unlocked.

Thank you for your assistance in this matter. Please feel free to call me at (850) 521-1428 should you have any questions concerning this filing.

Respectfully,


Matthew R. Bernier
Sr. Counsel
Matthew.Bernier@duke-energy.com

MRB/mw
Enclosures

cc: Caroline Klancke, Esq.

COM _____
AFD _____
APA _____
ECO 3+CD
ENG _____
GCL 2
IDM _____
TEL _____
CLK _____

**DUKE ENERGY FLORIDA, INC.'S RESPONSES TO
STAFF'S FIRST DATA REQUEST (NOS. 1 - 9)
Docket No. 140067-EI**

The following questions pertain to Exhibit C attached to the Company's petition.

1. Please refer to Schedule Nos. 2, 3, 6, 7, 9, and 10. Specifically, please refer to the percentage loading rates identified in footnote (3) as "Stores..." that are assigned as a percentage of material costs as indicated below:

Schedule Nos. 2, 7, 9, and 10 footnote (3) show a loading factor of 21.25 percent of material. Schedule Nos. 3 and 6 footnote (3) show a loading factor of 17.75 percent of material.

In contrast, it appears mathematically that a loading factor of approximately 19.95 percent of material was applied for "Stores Handling" on all six of the identified schedules.

Please clarify whether the percentages indicated in footnote (3) on the schedules are inadvertently misstated and whether it is the Company's intent to apply 19.95 percent as the loading factor for "Stores Handling." In the alternative, if the percentages indicated in footnote (3) on the respective schedules are correct, please make the necessary revisions to the submission.

RESPONSE:

The footnotes for Stores - Benchstock, Corporate Stores and Local Stores in the current filing is 21.25% of material. The Sub-Total (1) includes 6.5 % sales tax. The Stores Handling (3) can be derived by dividing the Sub-Total (1) by 1.065 (removing the sales tax) and multiplying by the Stores Handling percentage outlined in footnote (3). Please see corrected Schedule Nos. 3 and 6.

2. Please refer to Schedule No. 6. Specifically, please refer to the percentage loading rates identified in footnotes (5) and (6) as "Management and Supervision" and "Fleet," respectively, that are assigned as a percentage of labor costs.
 - (a) Please clarify whether the "6.01%" shown in footnote (5) is inadvertently misstated and whether it is the Company's intent to apply the 35.67% loading factor for Management and Supervision consistent with all other schedules.
 - (b) Please clarify whether the "19.07%" shown in footnote (6) is inadvertently misstated and whether it is the Company's intent to apply the 22.49% loading factor for Fleet allocation consistent with all other schedules.
 - (c) In the alternative, if the percentages indicated in footnotes (5) and (6) are correct, please make the necessary revisions to the submission.

RESPONSE:

- (a) Footnote (5) was inadvertently misstated. It is the Company's intent to apply the 35.67% loading factor for Management and Supervision consistent with all other schedules.
 - (b) Footnote (6) was inadvertently misstated. It is the Company's intent to apply the 22.49% loading factor for Fleet allocation consistent with all other schedules.
 - (c) The footnotes have been corrected. New documents that reflect the revisions are submitted with this response.
3. Please review the table below that summarizes the increases in the Company's loading factors between 2011 (Docket No. 110293-EI) and the present. As indicated in Exhibit D attached to the petition, these higher loading factors have a significant effect on the material and labor costs used in the analysis. Please provide a detailed explanation illustrating how the current proposed loading factors were determined and provide the rationale regarding why they are appropriate. For any spreadsheets provided, please ensure that all formulas are intact and unlocked.

Loading Factor Description	Docket No. 110293-EI	Docket No. 140067-EI
Stores Handling	8.7% of material	19.95% of material (*)
Design and Project Mgmt.	7.23% of labor & actual mat	17.90% of labor
Management & Supervision	23.12% of labor	35.67% of labor
Fleet	17.26% of labor	22.49% of labor

(*) 2014 Stores handling loading factor assumed from information presented in Exhibit C to the petition, Schedules 1-10 [See Question 1, above].

RESPONSE:

The filing in Docket No. 110293-EI was provided immediately after the introduction of our current work management system. The loading factor percentages were based on the general ledger cost from the previous work management system's historical data. The current filing uses historical data provided by the new work management system to determine the current loading factors.

Since 2011, DEF increased the list of material items classified as "benchstock", resulting in an increase in the Stores Handling loading factor. This increase in the benchstock items corresponded with a decrease in the items that are charged as direct materials.

In previous filings, the Design and Project Management loading factor was applied to both the labor and actual material cost. After the 2011 filing, the Design and Project Management loading factors were adjusted to standardize to the other DEF loading factors and applied to the labor cost only. This resulted in the Design and Project Management loading factor being a greater percentage of only labor.

In previous filings, Management & Supervision loading factors only included direct field supervision. In the current filing, the loading rates were revised to include additional non-direct field personnel in the Management and Supervision factor to capture the full cost

charged to a project. This factor includes a percentage of time for additional levels of management and support personnel.

The primary reason for the increase in Fleet labor loading factor is attributed to the increase in fleet fuel cost.

4. Please refer to the page immediately following Schedule No. 10; this page is entitled "Summary of NPV Life Cycle Costs per Mile for Overhead and Underground Distribution including Storm Costs and Pole Attachment Revenues." Also, please review the table below that summarizes the increases in the Company's NPV Life Cycle Costs between 2011 and the present.

NPV Parameter Description	Docket No. 110293-EI	Docket No. 140067-EI
5yr avg ann OH cost w/storm	\$3,874	\$4,486
5yr avg ann OH cost wo/storm	\$3,262	\$3,812
5yr avg ann OH cost – storm	\$612	\$674
5yr avg ann UG cost w/storm	\$4,132	\$4,499
5yr avg ann UG cost wo/storm	\$3,936	\$4,310
5yr avg ann UG cost – storm	\$196	\$189
OH 34yr life cycle w/storm	\$68,718	\$85,317
OH 34yr life cycle wo/storm	\$57,862	\$72,499
OH 34yr life cycle – storm	\$10,856	\$12,819
UG 34yr life cycle w/storm	\$73,294	\$85,565
UG 34yr life cycle wo/storm	\$69,817	\$81,970
UG 34yr life cycle – storm	\$3,477	\$3,595

- (a) For each of the 2014 amounts listed above, please explain in detail how the amounts were developed. Please provide all work papers to support the calculations and list all assumptions that are used in the calculations. Please discuss the discount rate(s) used and provide the rationale regarding why the discount rates are appropriate. For any spreadsheets provided, please ensure that all formulas are intact and unlocked.
- (b) Please compare the 2011 and 2014 amounts in the table above and describe the reasons why costs have increased between 2011 and the present. In particular, please discuss why the values for overhead are increasing at a greater rate than the values for underground.

RESPONSE:

- (a) The process for developing the Net Present Value of the lifecycle operational costs including storm damage (NPV Lifecycle costs) was the same for each subdivision type and is described below. The company identified all the specific work activities associated with overhead (OH) and underground (UG) distribution work. Where activities might be

associated with both overhead and underground, determination of each was made based on specific materials. This included both capital and O&M activity (certain activities such as work for the public were excluded). Actual annual pole attachment revenues were subtracted from the overhead costs assuming that most overhead poles would have attachments. Expected annual storm damage from the Company's latest storm damage study was allocated to both the OH and UG costs based on our storm damage experience from the 2004 & 2005 storms. Unit costs for OH and UG costs were then calculated on a per mile basis using circuit miles of OH and UG distribution lines. These annual unit costs for 2009-2013 were then escalated to 2014 dollars per circuit mile. A 5 year average was then calculated on the 2014 unit costs for both OH and UG. This 5 year average was then escalated out for 34 years (the average service life for UG per currently approved depreciation study). These escalated values were then discounted back to 2014 dollars using an appropriate discount rate to get the NPV Lifecycle unit cost per mile of both OH and UG. The discount rate is based on the Company's weighted average cost of capital. For each subdivision build out, the miles of circuit mile line were determined from the drawings and multiplied by the NPV Lifecycle unit cost per mile. The assumptions included in the analysis were the 34 year life for UG lines, the annual expected storm damage (including an allocation for distribution work and further allocation to OH and UG), escalation rates from the Handy Whitman Index and the discount rate. See attached excel file for the work papers.

(b) The discount rate attributed a 5% increase in costs for both OH and UG over 2011. The discount rate in the 2014 analysis is 6.40% vs. 6.82% used in the 2011 analysis. The values for overhead are increasing at a greater rate than the values for underground due primarily to labor. As stated in question #9, in-house labor rates increased while contract labor rates remained unchanged. See attached excel spreadsheets.

5. Please refer to the page entitled "Schedule 40 Conduit" and the accompanying support. Please describe the reasons underlying the increase between 2011 and 2014 in the materials costs presented in support of the cost per foot amounts shown for feeder mains with 2", 4", and 6" conduit.

RESPONSE:

Conduit expenses increased by approximately 10%. The remaining increase is attributed to the change in the stores handling loading factor. See response to question #3 regarding the increase in the stores handling factor.

6. Please elaborate in greater detail regarding the changes in costs that contributed to the increase in the charge for new underground service laterals (0-80') from overhead electric distribution systems (tariff section 11.04) from \$478 to \$670. Discussion of changes to loading factors provided in response to Question 4 above need not be reiterated here.

RESPONSE:

Duke Energy Florida has reviewed the material issue and the primary driver behind the material increase is a marked change in one particular material: CU ID “CRIS1UGPVC225CF”, as shown in the “detail cost estimate” sheet included in DEF’s filing in this docket. The material CU ID provided PVC covering and related banding for the underground cable running down the pole. Upon further consideration, the banding would only apply to concrete pole installations. The material CU ID was updated to “CRIS1UGPVC225WF” to reflect nailing the PVC cover directly to a wood pole, which is our normal method of construction for residential subdivisions. The cost estimate has been recalculated.

The original filing used material CU ID which had an associated \$216.48 material cost. The CU ID update along with the change in the PVC covering material being re-classified as benchstock, resulted in a zero material cost. Updated filing sheets and supporting documentation are included with this response.

7. Please elaborate in greater detail regarding the changes in costs that contributed to the increase in the charge for an underground service lateral replacing existing overhead services (tariff section 11.05) from \$570 to \$806. Please include a discussion of the increase in materials costs to install new underground services (\$187 to \$333). Discussion of changes to loading factors provided in response to Question 4 above need not be reiterated here.

RESPONSE:

Response for question #6 applies to question #7. Updated filing sheets and supporting documentation are included.

8. Please refer to the last three ‘clipped’ sections of Exhibit C. These three sections contain the design drawings for each of the three model subdivisions respectively. Please refer specifically to the lead sheets for each of these sections that provide a value for “Actual Material Cost.” In each of the lead sheets for the 2014 model subdivisions, staff notes that “Actual Material Cost” differs from the computer estimates of materials costs as shown in the following table:

Subdivision Description	Actual Material Cost	Computer Estimated Cost
Low Density Overhead	\$83,729	\$87,859
Low Density Underground	\$104,632	\$125,350
High Density Overhead	\$54,536	\$57,962
High Density Underground	\$65,628	\$77,377
High Density O/H w/ pedestals	\$47,339	\$49,955
High Density U/G w/ pedestals	\$47,204	\$56,480

Please explain the difference between “Actual Material Cost” and the computer generated estimates and explain why the computer estimates rather than the “Actual Material Cost”

figures were used in the derivation of the 'Differential' amounts for each subdivision as presented in Schedule Nos. 1, 5, and 8 of Exhibit C.

RESPONSE:

The Estimated Material Cost includes sales tax and stores handling which reflects the Company's current estimating methods for all construction work requests. The Actual Material Cost reflects the true cost of the materials excluding any adders, i.e. sales tax, stores. All cost estimates for customers are completed using the Estimated Material Cost.

9. Please discuss how the Company's in-house and contract labor rates are determined, including an explanation of the drivers of the increases in labor rates between 2011 and 2014 (*e.g.*, was there a new collective bargaining agreement, etc.).

RESPONSE:

Contract labor rates remained unchanged due to an extension of the previously existing contract rate with our underground contractors. In-house labor rates increased approximately 3% per year due to the existing collective bargaining contract. Another factor affecting labor is an increase of 38% in the burden rates primarily driven by an increase in pension funding expense.

EXHIBIT A

REVISED URD TARIFF SHEETS
Nos. 4.113, 4.114, 4.115 and 4.122

(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.....\$768.00 per dwelling unit

To subdivisions with a density of six (6) or more dwelling units per acre\$459.00 per dwelling unit

To subdivisions with a density of six (6) or more dwelling units per acre taking service at ganged meter pedestals\$211.00 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..... \$2.40per foot

500 MCM U.G. vs. 336 MCM O.H \$11.47per foot

1000 MCM U.G. vs. 795 MCM O.H. \$12.08per 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 \$1.79per foot

4 inch conduit \$5.25per foot

6 inch conduit \$7.18per foot

Cable pulling – single phase \$1.97per foot

Cable pulling – 3 phase small wire..... \$1.97per foot

Cable pulling – 3 phase feeder \$2.96per 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.....\$3.68

Service Laterals,
 for each Foot of Trench.....\$3.68

(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 \$465.00
 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 \$ 3.68

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\$607.00 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, \$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.

(Continued on Next Page)

**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.....~~\$768791~~.00 per dwelling unit

To subdivisions with a density of six (6) or more dwelling units per acre~~\$459524~~.00 per dwelling unit

To subdivisions with a density of six (6) or more dwelling units per acre taking service at ganged meter pedestals~~\$211241~~.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..... ~~\$2.40740~~ per foot

500 MCM U.G. vs. 336 MCM O.H ~~\$11.471122~~ per foot

1000 MCM U.G. vs. 795 MCM O.H. ~~\$12.081408~~ 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 ~~\$1.79138~~ per foot

4 inch conduit ~~\$5.25435~~ per foot

6 inch conduit ~~\$7.18628~~ per foot

Cable pulling – single phase ~~\$1.97138~~ per foot

Cable pulling – 3 phase small wire..... ~~\$1.97138~~ per foot

Cable pulling – 3 phase feeder ~~\$2.96207~~ 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..... ~~\$3.68309~~

Service Laterals,
 for each Foot of Trench..... ~~\$3.68309~~

(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 \$ ~~465~~478.00

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 \$ ~~3.683~~09

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~~\$607-570~~.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, ~~\$2474,576~~ per mile, (or ~~\$0.0587~~ 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.

(Continued on Next Page)

EXHIBIT C

DEVELOPMENT OF UPDATED URD COSTS

**Schedules from Form PSC/EAG 13
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*

Revised 5/9/2014

ITEM	OVERHEAD	UNDERGROUND	DIFFERENTIAL
Labor	750	1,057	307
Material	418	597	179
SUB TOTAL	1,168	1,654	486
NPV of Life Cycle Operational Cost Including Storm Restoration and Pole Attachment Revenue			282
Total Including NPV of Life Cycle Cost			768

**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)	44.98	156.21	201.19
Primary	32.29	127.03	159.32
Secondary	46.82	45.90	92.72
Initial Tree Trim	0.00	0.00	0.00
Poles	56.40	89.25	145.65
Transformers	168.30	7.81	176.11
Sub-Total(1)	348.79	426.20	774.99
Stores Handling(3)	69.59	0.00	69.59
Sub-Total	418.38	426.20	844.58
Engineering(4)	0.00	76.29	76.29
Supervision (5)	0.00	152.03	152.03
Fleet (6)	0.00	95.85	95.85
TOTAL	418.38	750.37	1,168.75

1-Includes Sales Tax.

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

3-Stores - Benchstock, Corporate Stores and Local Stores - 21.25% of material

4-Design and Project Management - 17.90% of labor

5-Management and supervision - 35.67% of labor

6 - Fleet - 22.49% 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)	49.30	137.99	187.29
Primary	131.04	103.17	234.21
Secondary	124.81	90.35	215.16
Transformers	192.47	7.97	200.44
TRENCHING:			
Prim. & Secondary	0.00	177.45	177.45
Service	0.00	83.68	83.68
Sub-Total(1)	497.62	600.61	1,098.23
Stores Handling(3)	99.29	0.00	99.29
Sub-Total	596.91	600.61	1,197.52
Engineering(4)	0.00	107.51	107.51
Supervision (5)	0.00	214.24	214.24
Fleet (6)	0.00	135.08	135.08
TOTAL	596.91	1,057.44	1,654.35

1-Includes Sales Tax.

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

3-Stores - Benchstock, Corporate Stores and Local Stores - 21.25% of material

4-Design and Project Management - 17.90% of labor

5-Management and supervision - 35.67% of labor

6 - Fleet - 22.49% 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 5/9/2014

ITEM	OVERHEAD	UNDERGROUND	DIFFERENTIAL
Labor	617	869	252
Material	329	440	111
SUB TOTAL	946	1309	363
NPV of Life Cycle Operational Cost Including Storm Restoration and Pole Attachment Revenue			96
Total Including NPV of Life Cycle Cost			459

**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)	28.53	142.30	170.83
Primary	14.46	70.64	85.10
Secondary	35.71	51.32	87.03
Initial Tree Trim	0.00	0.00	0.00
Poles	48.36	79.87	128.23
Transformers	147.49	6.55	154.04
Sub-Total(1)	274.55	350.68	625.23
Stores Handling(3)	54.78	0.00	54.78
Sub-Total	329.33	350.68	680.01
Engineering (4)	0.00	62.77	62.77
Supervision (5)	0.00	125.09	125.09
Fleet (6)	0.00	78.87	78.87
TOTAL	329.33	617.41	946.74

1-Includes Sales Tax.

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

3-Stores - Benchstock, Corporate Stores and Local Stores - 21.25% of material

4-Design and Project Management - 17.90% of labor:

5-Management and supervision - 35.67% of labor

6 - Fleet - 22.49% 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)	47.77	138.55	186.32
Primary	68.62	83.68	152.30
Secondary	79.86	75.72	155.58
Transformers	170.27	7.03	177.30
TRENCHING:			
Prim. & Secondary	0.00	105.16	105.16
Service	0.00	83.68	83.68
Sub-Total	366.52	493.82	860.34
Stores Handling(3)	73.13	0.00	73.13
Sub-Total	439.65	493.82	933.47
Engineering (4)	0.00	88.39	88.39
Supervision (5)	0.00	176.15	176.15
Fleet (6)	0.00	111.06	111.06
TOTAL	439.65	869.42	1,309.07

1-Includes Sales Tax.

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

3-Stores - Benchstock, Corporate Stores and Local Stores - 21.25% of material

4-Design and Project Management - 17.90% of labor:

5-Management and supervision - 35.67% of labor

6 - Fleet - 22.49% 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 5/9/2014

ITEM	OVERHEAD	UNDERGROUND	DIFFERENTIAL
Labor	343	432	89
Material	284	321	37
SUB TOTAL	627	753	126
NPV of Life Cycle Operational Cost Including Storm Restoration and Pole Attachment Revenue			85
Total Including NPV of Life Cycle Cost			211

**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)	15.58	32.84	48.42
Primary	15.40	70.60	86.00
Secondary	24.10	35.43	59.53
Initial Tree Trim	0.00	0.00	0.00
Poles	33.18	50.67	83.85
Transformers	148.37	5.31	153.68
Sub-Total(1)	236.63	194.85	431.48
Stores Handling(3)	47.21	0.00	47.21
Sub-Total	283.84	194.85	478.69
Engineering(4)	0.00	34.88	34.88
Supervision (5)	0.00	69.50	69.50
Fleet (6)	0.00	43.82	43.82
TOTAL	283.84	343.05	626.89

1-Includes Sales Tax.

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

3-Stores - Benchstock, Corporate Stores and Local Stores - 21.25% of material

4-Design and Project Management - 17.90% of labor:

5-Management and supervision - 35.67% of labor

6 - Fleet - 22.49% 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)	61.56	62.63	124.19
Primary	57.22	70.48	127.70
Secondary			0.00
Transformers:	148.75	5.79	154.54
TRENCHING:			
Prim. & Secondary	0.00	51.67	51.67
Service	0.00	54.62	54.62
Sub-Total (1)	267.53	245.19	512.72
Stores Handling(3)	53.38	0.00	53.38
Sub-Total	320.91	245.19	566.10
Engineering(4)	0.00	43.89	43.89
Supervision (5)	0.00	87.46	87.46
Fleet (6)	0.00	55.14	55.14
TOTAL	320.91	431.68	752.59

1-Includes Sales Tax.

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

3-Stores - Benchstock, Corporate Stores and Local Stores - 21.25% of material

4-Design and Project Management - 17.90% of labor:

5-Management and supervision - 35.67% of labor

6 - Fleet - 22.49% of labor

Duke Energy Florida
 Actuals for 5 Year Period of 2009-2013
 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 2014 Dollars - Annual	\$ 4,486	\$ 3,812	\$ 674
5 year average UG Unit Costs in 2014 Dollars - Annual	\$ 4,499	\$ 4,310	\$ 189
Differential in 2013 Dollars - OH more (less) than UG	\$ (13)	\$ (498)	\$ 485

NPV of 34 Year Life Cycle

Overhead	\$ 85,317	\$72,499	\$12,819
Underground	\$ 85,565	\$81,970	\$3,595
Differential - OH more (less) than UG	\$ (247)	\$ (9,471)	\$ 9,224

ck

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			\$ 741	\$ 629	\$ 111
Per Lot - UG			\$ 1,022	\$ 980	\$ 43
Per Lot - Differential			\$ 282	\$ 350	\$ (68)
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			\$ 424	\$ 361	\$ 64
Per Lot - UG			\$ 520	\$ 498	\$ 22
Per Lot - Differential			\$ 96	\$ 137	\$ (42)
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			\$ 315	\$ 268	\$ 47
Per Lot - UG			\$ 400	\$ 383	\$ 17
Per Lot - Differential			\$ 85	\$ 115	\$ (31)

Duke Energy Florida
Calculation of NPV for Life Cycle - Including Storm & Pole Attachment Revenues
UG vs. OH based 5 yr Avg Unit Cost of Circuit Miles

Discount Rate	Florida WACC	6.40%						
Tax Rate		0.000%						
Discount Factor		0.969458418	0.91114513	0.856339408	0.80483027	0.756419427	0.710920514	0.668158378
	NPV	2014	2015	2016	2017	2018	2019	2020
		1	2	3	4	5	6	7
Total Cost w/Storm Costs		(13)	(13)	(14)	(14)	(14)	(15)	(15)
NPV using Discount Factor(mid-yr convention)	(\$247)	(13)	(13)	(14)	(14)	(14)	(15)	(15)
5 year average OH Unit Costs in 2013 Dollars		\$	4,486					
5 year average UG Unit Costs in 2013 Dollars		\$	4,499					
Delta in 2013 Dollars		\$	<u>(13)</u>					

Duke Energy Florida
Calculation of NPV for Life Cycle - including Storm & Pole Attachment Revenues
Overhead based 5 yr Avg Unit Cost of Circuit Miles

Discount Rate	Florida WACC	6.40%						
Tax Rate		0.000%						
Discount Factor		0.96946	0.91115	0.85634	0.80483	0.75642	0.71092	0.66816
	NPV	2014	2015	2016	2017	2018	2019	2020
		1	2	3	4	5	6	7
Total Cost w/Storm Costs		4,486	4,598	4,713	4,831	4,952	5,075	5,202
NPV using Discount Factor (mid-yr convention)	\$85,317	4,486	4,598	4,713	4,831	4,952	5,075	5,202

		Overhead				
		2009	2010	2011	2012	2013
Circuit Miles fr FRAME		23,748	23,837	23,881	24,005	24,096
Grand Totals with Entire (All Depts) including Major Storm Costs & Pole Attachment Revenue		94,557,832	99,178,534	88,091,821	89,456,313	108,237,639
Costs in 2014 Dollars		113,654,806	116,245,586	98,720,815	95,368,209	112,266,790
Unit Costs (in Circuit Miles) in 2014 Dollars		\$ 4,786	\$ 4,877	\$ 4,134	\$ 3,973	\$ 4,659
5 year average Costs in 2014 Dollars	107,251,241					
5 year average Unit Costs in 2014 Dollars	\$ 4,486					

Duke Energy Florida
Calculation of NPV for Life Cycle - Excluding Storm includes Pole Revenue
Overhead based 5 yr Avg Unit Cost of Circuit Miles

Discount Rate	Florida WACC	6.40%					
Tax Rate		0.000%					
Discount Factor		0.969458	0.911145	0.856339	0.804830	0.756419	0.710921
	NPV	2014	2015	2016	2017	2018	2019
		1	2	3	4	5	6
Total Cost w/o Storm Costs		3,812	3,907	4,005	4,105	4,208	4,313
NPV using Discount Factor (mid-yr convention)	\$72,499	3,812	3,907	4,005	4,105	4,208	4,313

Circuit Miles fr FRAME	Overhead				
	2009	2010	2011	2012	2013
	23,748	23,837	23,881	24,005	24,096
Grand Totals with Entire (All Depts) including Pole Attachment Revenue excluding Major Storm Costs	81,145,032	85,423,839	73,705,935	74,334,039	92,694,571
Costs in 2014 Dollars	97,533,146	100,123,927	82,599,156	79,246,549	96,145,131
Unit Costs (in Circuit Miles) in 2014 Dollars	\$ 4,107	\$ 4,200	\$ 3,459	\$ 3,301	\$ 3,990
5 year average Costs in 2014 Dollars	91,129,582				
5 year average Unit Costs in 2014 Dollars	\$ 3,812				

Duke Energy Florida
Calculation of NPV for Life Cycle - Including Storm
Underground based 5 yr Avg Unit Cost of Circuit Miles

Discount Rate	Florida WACC	6.40%					
Tax Rate		0.000%					
Discount Factor		0.96946	0.91115	0.85634	0.80483	0.75642	0.71092
	NPV	2014	2015	2016	2017	2018	2019
		1	2	3	4	5	6
Total Cost w/Storm Costs		4,499	4,611	4,727	4,845	4,966	5,090
NPV using Discount Factor (mid-yr convention)	\$85,565	4,499	4,611	4,727	4,845	4,966	5,090

	Underground				
	2009	2010	2011	2012	2013
Circuit Miles fr FRAME	16,787	16,825	16,776	17,006	17,293
Grand Totals with Entire (All Depts) including Major Storm Costs	47,529,957	69,457,442	65,024,068	78,687,805	82,940,215
Costs in 2014 Dollars	57,129,145	81,409,966	72,869,750	83,888,043	86,027,668
Unit Costs (in Circuit Miles) in 2014 Dollars	\$ 3,403	\$ 4,839	\$ 4,344	\$ 4,933	\$ 4,975
5 year average Costs in 2014 Dollars	\$ 76,264,914				
5 year average Unit Costs in 2014 Dollars	\$ 4,499				

Duke Energy Florida
Calculation of NPV for Life Cycle - Excluding Storm
Underground based 5 yr Avg Unit Cost of Circuit Miles

Discount Rate	Florida WACC	6.40%					
Tax Rate		0.000%					
Discount Factor		0.969458418	0.91114513	0.856339408	0.80483027	0.756419427	0.710920514
	NPV	2014	2015	2016	2017	2018	2019
		1	2	3	4	5	6
Total Cost w/o Storm Costs		4,310	4,418	4,528	4,641	4,757	4,876
NPV using Discount Factor (mid-yr convention)	\$81,970	4,310	4,418	4,528	4,641	4,757	4,876

	Underground				
	2009	2010	2011	2012	2013
Circuit Miles fr FRAME	16,787	16,825	16,776	17,006	17,293
Grand Totals with Entire (All Depts) excluding Major Storm Costs	44,676,688	66,604,173	62,170,798	75,834,536	80,086,946
Costs in 2014 Dollars	53,699,627	78,065,694	69,672,211	80,846,209	83,068,186
Unit Costs (in Circuit Miles) in 2014 Dollars	\$ 3,199	\$ 4,640	\$ 4,153	\$ 4,754	\$ 4,804
5 year average Costs in 2014 Dollars	73,070,385				
5 year average Unit Costs in 2014 Dollars	\$ 4,310				

Duke Energy Florida
NPV Life Cycle Cost Analysis
Data Inputs and Assumptions

Storm Costs from 2009 Hurricane Loss Study	\$	20,200,000	Expected Annual Losses in 2008 dollars per Steve Harris Testimony in FPSC Do
Percentage of T&D storm costs allocated to Distribution			80% Based on per 2004 / 2005 Actual Experience
Base Year Storm Costs Rate	\$	16,160,000	Distribution Expected Annual Storm Costs in 2009 dollars
Percentage of storm costs allocated to overhead			83% Based on per 2004 / 2005 Actual Experience
UG Avg Svc Life - 2009 Depreciation Study for NPV		34 years	(period for NPV calculations)
Corporate Std Inflation Rate 2011-2013	1.025		Based on Corporate standard for 2011
Corporate Std Inflation Rate 2014-2051	1.025		Based on Corporate standard for 2014-2051

Handy Whitman Sch E-2 So. Atlantic Region 1973=100, Total Distribution Plant Index

2008 vs. 2013 Handy Whitman Index Rate	1.202	Used to calculate 2009 costs to 2014 dollars
2009 vs. 2013 Handy Whitman Index Rate	1.172	Used to calculate 2010 costs to 2014 dollars
2010 vs. 2013 Handy Whitman Index Rate	1.121	Used to calculate 2011 costs to 2014 dollars
2011 vs. 2013 Handy Whitman Index Rate	1.066	Used to calculate 2012 costs to 2014 dollars
2012 vs. 2013 Handy Whitman Index Rate	1.037	Used to calculate 2013 costs to 2014 dollars

2008 vs. 2013 Handy Whitman Index Rate	1.000	calculate 2008 costs to 2008 dollars for Storm
2009 vs. 2013 Handy Whitman Index Rate	0.975	calculate 2008 costs to 2009 dollars for Storm
2010 vs. 2013 Handy Whitman Index Rate	0.932	calculate 2008 costs to 2010 dollars for Storm
2011 vs. 2013 Handy Whitman Index Rate	0.887	calculate 2008 costs to 2011 dollars for Storm
2012 vs. 2013 Handy Whitman Index Rate	0.863	calculate 2008 costs to 2012 dollars for Storm

Income Tax Rate - Florida 0.000% N/A - This is a pretax revenue requirements calculation

Discount Rate - Florida WACC 6.40% Treasury Assumptions - updated Annually

Historical Unit Cost Summary
2009 to 2013 Comparison Cost per Circuit Mile (OH vs. UG)

Activities	Replacements																							
	2009		2010		2011		2012		2013		2009		2010		2011		2012		2013					
	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M			
D5201 - CONSTRUCT OH SYS IMPROVEMENTS	88%	4,038,810	4,038,810	91%	8,123,768	8,123,768	79%	9,040,480	9,040,480	77%	10,659,460	10,659,460	83%	10,844,177	10,844,177	83%	10,844,177	10,844,177	83%	10,844,177	10,844,177	83%	10,844,177	10,844,177
D5304 - INSTALL/REMOVE METERS	100%	6,327,882	6,327,882	27%	1,711,207	1,711,207	9%	524,036	131,483	392,553	2%	113,954	30,936	83,018	3%	210,651	58,923	151,728	151,728	151,728	151,728	151,728	151,728	151,728
D7105 - REPLACE POLES (D BY INSPECTN)	100%	6,177,128	6,177,128	-	7,218,305	7,218,305	-	6,848,791	6,848,791	-	12,393,193	12,393,193	-	16,830,584	16,830,584	-	214	214	214	214	214	214	214	214
D7201 - PROV ALIS, LAMPS/PHOT CTLS M/L	0%	-	-	0%	-	-	0%	-	-	0%	-	-	0%	-	-	0%	-	-	0%	-	-	-	-	-
D7211 - AREA&SL CABLE REPLACE,CAP (Start 07)	3%	52,286	52,286	-	192,221	192,221	-	577,094	577,094	-	528,183	528,183	-	497,157	497,157	-	214	214	214	214	214	214	214	
D7212 - AREA & STREET LIGHT OH/UG CAP (Start 07)	66%	1,311,426	1,311,426	-	1,371,125	1,371,125	-	2,006,553	2,006,553	-	1,793,237	1,793,237	-	2,206,546	2,206,546	-	1,448,213	1,448,213	1,448,213	1,448,213	1,448,213	1,448,213	1,448,213	
D7213 - OUTAGE RESTORE - OH REPLACE (Start 05)	94%	2,555,297	2,555,297	-	2,281,216	2,281,216	-	1,875,480	1,875,480	-	1,220,768	1,220,768	-	1,448,213	1,448,213	-	6,874	6,874	6,874	6,874	6,874	6,874	6,874	6,874
D7214 - OUTAGE RESTORE - UG REPLACE (Start 05)	3%	46,134	46,134	-	151,838	151,838	-	210,388	210,388	-	728	728	-	6,874	6,874	-	-	-	-	-	-	-	-	-

Activities	Operations																								
	2009		2010		2011		2012		2013		2009		2010		2011		2012		2013						
	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M				
B6102 - MODIFY IT	50%	772,167	772,167	50%	543,622	543,622	50%	578,539	189,164	389,375	50%	177,138	177,138	50%	425,695	425,695	50%	425,695	425,695	50%	425,695	425,695	50%	425,695	
D5401 - LOCATE UNDERGROUND LINES	10%	26,213	2,621	23,592	10%	22,639	2,264	20,375	10%	21,393	21,393	10%	19,588	19,588	10%	20,314	20,314	10%	20,314	20,314	10%	20,314	20,314	10%	20,314
D6102 - PERFORM LINE OPERATIONS	0%	-	-	0%	-	-	0%	-	0%	-	0%	-	0%	-	0%	-	-	-	0%	-	-	-	-	-	-
D6103 - PERFORM SUBSTATION OPERATIONS	50%	-	-	50%	-	-	50%	-	-	-	50%	-	-	50%	-	-	50%	-	-	50%	-	-	50%	-	-
D6206 - PERF DISTRIBUTION DISPATCHING	50%	2,151,199	2,151,199	50%	2,084,175	2,084,175	50%	2,132,547	544,094	1,588,454	50%	2,248,405	619,379	1,629,026	50%	2,661,004	794,746	1,866,258	1,866,258	1,866,258	1,866,258	1,866,258	1,866,258	1,866,258	
D6208 - SD-99 ORDERS (Start 07)	50%	30,409	9,123	21,286	50%	24,496	7,349	28,425	7,062	21,363	50%	38,686	9,072	29,615	50%	89,093	21,850	67,243	67,243	67,243	67,243	67,243	67,243	67,243	
D7108 - PERF ROW MAINT - DISTRIBUTION	90%	18,789,707	18,789,707	90%	27,050,020	27,050,020	90%	17,153,268	274,467	16,878,801	90%	21,776,923	352,867	21,424,056	90%	28,525,038	391,071	28,133,968	28,133,968	28,133,968	28,133,968	28,133,968	28,133,968	28,133,968	

Activities	Maintenance																								
	2009		2010		2011		2012		2013		2009		2010		2011		2012		2013						
	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M				
D5202 - CONSTRUCT UG SYS IMPROVEMENTS	95%	6,276,917	6,025,841	251,077	20%	5,905,898	5,688,862	237,036	14%	2,884,311	2,781,181	103,130	5%	1,346,694	1,334,188	12,506	11%	2,580,416	2,580,416	11%	2,580,416	2,580,416	11%	2,580,416	
D6101 - PROVIDE OPERATIONS ENGINEERING	42%	196,551	196,551	0%	-	-	0%	-	0%	-	0%	-	0%	-	0%	-	0%	-	0%	-	0%	-	0%	-	-
D7101 - MAINTAIN OVERHEAD LINES - PM	97%	1,074,513	322,354	752,159	97%	2,037,688	611,306	1,426,381	100%	1,230,171	903,231	326,940	95%	801,620	750,453	51,167	103%	3,460,348	3,460,348	103%	3,460,348	3,460,348	103%	3,460,348	
D7102 - MAINTAIN UG LINES - PM	0%	-	-	0%	-	-	0%	-	0%	-	0%	-	0%	-	0%	-	0%	-	0%	-	0%	-	0%	-	-
D7103 - INSPECT DISTRIBUTION FACILITIES	53%	2,618,792	2,618,792	34%	1,357,073	1,357,073	66%	1,508,732	91,202	1,417,530	18%	516,988	50,394	466,594	48%	1,374,515	120,329	1,254,186	1,254,186	1,254,186	1,254,186	1,254,186	1,254,186	1,254,186	
D7104 - REINFORCE POLES	100%	481,825	481,825	100%	233,545	233,545	100%	143,165	143,165	100%	144,124	144,124	100%	144,124	144,124	100%	144,124	144,124	100%	144,124	144,124	100%	144,124		
D7106 - TREAT POLES - GROUND LINE	100%	346,543	346,543	100%	247,739	247,739	100%	1,355,781	1,355,781	100%	1,056,018	1,056,018	100%	1,022,418	1,022,418	100%	1,022,418	1,022,418	100%	1,022,418	1,022,418	100%	1,022,418		
D7107 - MAINT METERS/METERING EQPMT - PM	50%	416,527	416,527	50%	391,854	391,854	50%	405,888	116,597	334,291	50%	-	-	50%	-	-	50%	-	-	50%	-	-	50%	-	
D7203 - OUTAGE RESTORE - OH REPAIR	82%	9,996,503	9,996,503	86%	10,302,214	10,302,214	70%	9,326,110	1,543,896	7,782,214	68%	6,784,731	1,217,428	5,567,303	18%	2,423,522	381,243	2,042,278	2,042,278	2,042,278	2,042,278	2,042,278	2,042,278		
D7204 - OUTAGE RESTORE - UG REPAIR	13%	712,537	163,884	548,654	16%	830,019	190,904	639,115	0%	-	-	0%	-	-	0%	-	-	0%	-	0%	-	-	0%	-	
D7205 - REPAIR TRANSFORMERS	50%	19,047	19,047	50%	25,074	25,074	50%	5,992	342	5,650	50%	278,022	75,477	202,525	50%	229,519	73,221	156,298	156,298	156,298	156,298	156,298	156,298		
D7207 - REPAIR STREET LIGHTS	91%	4,859,357	4,859,357	89%	4,657,271	4,657,271	96%	5,218,558	1,047,996	4,170,462	51%	2,972,759	620,971	2,351,788	88%	4,919,010	542,741	4,376,269	4,376,269	4,376,269	4,376,269	4,376,269	4,376,269		
D7208 - REPAIR METERS & METERING EQPMT	50%	352,682	352,682	22%	133,187	133,187	3%	15,940	4,009	11,931	0%	-	-	0%	-	-	0%	-	0%	-	-	0%	-	-	
D7209 - CLEAN UP OIL SPILLS	91%	4,201,873	4,201,873	89%	4,678,733	4,678,733	82%	5,257,733	46,084	5,211,649	85%	4,387,740	47,348	4,340,392	87%	3,062,699	42,084	3,020,615	3,020,615	3,020,615	3,020,615	3,020,615	3,020,615		
D7210 - CORRECT MAINT - LIGHTING CABLE	56%	1,030,665	1,030,665	49%	735,717	735,717	45%	775,874	191,403	584,472	44%	778,197	130,083	648,115	47%	624,917	82,193	542,724	542,724	542,724	542,724	542,724	542,724		
D7215 - CORRECT MAINT - OH REPAIR (Start 05)	85%	1,990,233	1,990,233	71%	1,485,669	1,485,669	48%	1,713,755	377,164	1,336,591	67%	2,591,767	591,762	2,000,005	74%	3,392,504	746,112	2,646,392	2,646,392	2,646,392	2,646,392	2,646,392	2,646,392		
D7216 - CORRECT MAINT - UG REPAIR (Start 05)	5%	141,443	141,443	25%	810,923	810,923	2%	47,164	10,306	36,858	1%	55,858	8,753	47,105	0%	20,970	3,843	17,127	17,127	17,127	17,127	17,127	17,127		
D7217 - CORRECT MAINT - OH REPLACE (Start 05)	34%	532,107	532,107	61%	989,564	989,564	71%	1,460,502	1,460,502	55%	1,298,027	1,298,027	58%	1,637,783	1,637,783	58%	1,637,783	1,637,783	58%	1,637,783	1,637,783	58%	1,637,783		
D7218 - CORRECT MAINT - UG REPLACE (Start 05)	3%	65,421	65,421	3%	77,471	77,471	2%	45,429	45,429	3%	141,890	141,890	3%	152,494	152,494	3%	152,494	152,494	3%	152,494	152,494	3%	152,494		
D7219 - OUTAGE RESTORE-CUST TROUBLE (Start 07)	50%	236,162	236,162	50%	271,616	271,616	50%	371,920	80,456	291,464	50%	462,852	105,923	356,929	50%	576,880	131,433	445,448	445,448	445,448	445,448	445,448	445,448		
D7220 - OUTAGE RESTORE-STANDBY (Start 07)	50%	83,739	83,739	50%	23,878	23,878	50%	52,460	7,316	45,144	50%	127,223	18,207	109,016	50%	113,430	17,063	96,368	96,368	96,368	96,368	96,368	96,368		
D7222 - SD-DROP SERVICE/RETAPS (Start 07)	50%	430,688	430,688	50%	388,965	388,965	50%	424,695	104,548	320,148	50%	498,025	129,717	368,308	50%	590,838	155,570	435,268	435,268	435,268	435,268	435,268	435,268		
D7224 - NETWORK REPAIR (Start 07)	2%	1,738	1,738	13%	3,239	3,239	1%	87	11	76	0%	-	-	0%	-	-	0%	-	0%	-	-	0%	-	-	

Activities	Indirect Impacts																			
	2009		2010		2011		2012		2013		2009		2010		2011		2012		2013	
	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital
B1302 - SUPPORT EMPLOYEE SAFETY	30%	800,20																		

Historical Unit Cost Summary
2009 to 2013 Comparison Cost per Circuit Mile (OH vs. UG)

Activities	%	2009			2010			2011			2012			2013				
		Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%		
D5201 - CONSTRUCT OH SYS IMPROVEMENTS	12%	571,563	571,563	-	791,070	791,070	-	2,399,872	2,399,872	-	3,200,258	3,200,258	-	2,250,078	2,250,078	-		
D5904 - INSTALL/REMOVE METERS	0%	-	-	9%	4,603,345	4,603,345	91%	5,574,949	1,966,783	4,176,166	98%	6,052,663	1,643,176	4,409,487	97%	6,398,338	1,786,375	4,599,963
D7105 - REPLACE POLES I/D BY INSPECT	0%	-	-	0%	-	-	0%	-	-	-	0%	-	-	0%	-	-	-	
D7201 - PROV ALJSL LAMP/PHOT CTLS MTL	100%	27,584	27,584	-	(25,319)	(25,319)	-	1,001	1,001	-	100%	-	-	0%	-	-	-	
D7211 - AREA&SL CABLE REPLACE-CAP (Start 07)	97%	1,567,349	1,567,349	-	1,932,559	1,932,559	-	1,472,234	1,472,234	-	2,006,704	2,006,704	-	1,777,495	1,777,495	-		
D7212 - AREA & STREET LIGHT OH/UG-CAP (Start 07)	94%	685,769	685,769	-	557,667	557,667	-	550,993	550,993	-	1,292,535	1,292,535	-	1,036,731	1,036,731	-		
D7213 - OUTAGE RESTORE - OH REPLACE (Start 05)	6%	176,024	176,024	-	325,958	325,958	-	287,633	287,633	-	139,752	139,752	-	20,189	20,189	-		
D7214 - OUTAGE RESTORE - UG REPLACE (Start 05)	97%	1,511,691	1,511,691	-	1,575,450	1,575,450	-	450,332	450,332	-	786,617	786,617	-	836,030	836,030	-		

Operations	%	2009			2010			2011			2012			2013						
		Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%				
B6102 - MODIFY IT	50%	772,167	-	772,167	50%	543,622	-	543,622	50%	578,539	189,164	389,375	50%	177,138	177,138	50%	425,695	426,363	(669)	
D5401 - LOCATE UNDERGROUND LINES	90%	235,916	23,592	212,324	90%	203,750	20,375	183,975	90%	192,536	192,536	-	176,288	176,288	-	182,824	182,824	-		
D6102 - PERFORM LINE OPERATIONS	100%	26	-	26	100%	14,245	-	14,245	100%	1,377	-	1,377	100%	11,858	3,183	8,675	100%	67,405	16,282	51,123
D6103 - PERFORM SUBSTATION OPERATIONS	50%	-	-	-	50%	-	-	-	50%	-	-	-	50%	1,267	300	937	50%	4,779	1,146	3,633
D6206 - PERF DISTRIBUTION DISPATCHING	50%	2,151,199	-	2,151,199	50%	2,084,175	-	2,084,175	50%	2,132,547	544,094	1,588,454	50%	2,248,405	619,379	1,629,026	50%	2,661,004	794,746	1,866,258
D6208 - SD-99 ORDERS (Start 07)	50%	30,409	9,123	21,286	50%	24,496	7,349	17,147	50%	28,425	7,062	21,363	50%	38,666	9,072	29,615	50%	89,093	21,850	67,243
D7108 - PERF ROW MAINT - DISTRIBUTION	10%	2,087,745	-	2,087,745	10%	3,005,558	-	3,005,558	10%	1,905,919	30,496	1,875,422	10%	2,419,658	39,207	2,380,451	10%	3,169,449	43,452	3,125,996

Maintenance	%	2009			2010			2011			2012			2013						
		Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%				
D5202 - CONSTRUCT UG SYS IMPROVEMENTS	65%	11,913,479	11,436,939	476,539	80%	24,058,738	23,096,389	962,350	96%	18,393,814	17,736,135	657,679	95%	23,357,954	23,141,056	216,908	89%	20,249,952	20,108,165	141,786
D6101 - PROVIDE OPERATIONS ENGINEERING	58%	267,547	-	267,547	100%	732,083	-	732,083	100%	389,945	172,496	217,449	100%	381,930	150,186	231,744	100%	145,421	46,114	99,307
D7101 - MAINTAIN OVERHEAD LINES - PM	3%	36,495	10,849	25,647	3%	70,417	21,125	49,292	0%	-	-	-	5%	40,183	37,201	2,983	3%	(113,632)	(109,096)	(4,535)
D7102 - MAINTAIN UG LINES - PM	100%	-	-	-	100%	-	-	-	100%	-	-	-	100%	134,684	14,141	120,543	100%	76,716	379	76,337
D7103 - INSPECT DISTRIBUTION FACILITIES	47%	2,292,740	-	2,292,740	66%	2,614,861	-	2,614,861	34%	773,333	46,748	726,585	82%	2,352,259	229,289	2,122,970	52%	1,460,410	127,849	1,332,561
D7104 - REINFORCE POLES	0%	-	-	-	0%	-	-	-	0%	-	-	-	0%	-	-	-	0%	-	-	-
D7106 - TREAT POLES - GROUND LINE	0%	-	-	-	0%	-	-	-	0%	-	-	-	0%	-	-	-	0%	-	-	-
D7107 - MAINT METERS/METERING EOPMT - PM	50%	416,527	-	416,527	50%	391,854	-	391,854	50%	450,888	116,597	334,291	50%	-	-	-	50%	-	-	-
D7203 - OUTAGE RESTORE - OH REPAIR	18%	2,209,086	-	2,209,086	14%	1,688,463	-	1,688,463	30%	4,030,155	967,174	3,062,981	32%	3,174,562	589,632	2,604,930	82%	10,698,803	1,683,024	9,015,779
D7204 - OUTAGE RESTORE - UG REPAIR	87%	4,707,032	1,082,617	3,624,415	84%	4,296,472	988,189	3,308,283	100%	2,715,796	653,471	2,062,324	100%	4,405,387	1,277,624	3,127,763	100%	5,184,120	1,264,873	3,919,247
D7205 - REPAIR TRANSFORMERS	50%	19,047	-	19,047	50%	25,074	-	25,074	50%	5,992	342	5,650	50%	279,002	75,477	202,525	50%	229,519	73,221	156,298
D7207 - REPAIR STREET LIGHTS	9%	497,505	-	497,505	11%	601,675	-	601,675	4%	193,032	38,731	154,300	49%	2,899,080	605,581	2,293,499	12%	685,489	75,634	609,855
D7208 - REPAIR METERS & METERING EOPMT	50%	347,483	-	347,483	7%	459,020	-	459,020	97%	595,219	149,691	445,529	100%	-	-	-	100%	-	-	-
D7209 - CLEAN UP OIL SPILLS	9%	427,564	-	427,564	11%	566,710	-	566,710	18%	1,187,524	10,409	1,177,115	15%	766,221	8,268	757,952	13%	473,862	6,511	467,351
D7210 - CORRECT MAINT - LIGHTING CABLE	44%	822,062	-	822,062	51%	763,328	-	763,328	55%	958,441	296,441	662,000	56%	989,675	165,433	824,241	53%	700,220	92,096	608,122
D7215 - CORRECT MAINT - OH REPAIR (Start 05)	15%	352,470	-	352,470	29%	609,270	-	609,270	32%	1,838,513	404,675	1,433,838	33%	1,253,332	296,165	957,167	26%	1,161,079	259,953	901,126
D7216 - CORRECT MAINT - UG REPAIR (Start 05)	95%	2,524,816	-	2,524,816	75%	2,423,959	-	2,423,959	98%	2,977,756	644,352	2,333,404	99%	4,195,388	732,505	3,462,883	100%	4,307,804	786,472	3,521,331
D7217 - CORRECT MAINT - OH REPLACE (Start 05)	66%	1,033,995	1,033,995	-	39%	637,436	637,436	-	29%	589,788	589,788	-	45%	1,080,106	1,080,106	-	42%	1,198,041	1,198,041	-
D7218 - CORRECT MAINT - UG REPLACE (Start 05)	97%	2,155,397	-	2,155,397	-	2,913,923	2,913,923	-	98%	2,982,548	2,982,548	-	97%	4,156,277	4,156,277	-	97%	3,787,949	3,787,949	-
D7219 - OUTAGE RESTORE-CUST TROUBLE (Start 07)	50%	236,162	-	236,162	50%	271,616	-	271,616	50%	371,920	80,456	291,464	50%	462,852	105,923	356,929	50%	576,880	131,423	445,448
D7220 - OUTAGE RESTORE-STANDBY (Start 07)	50%	83,739	-	83,739	50%	23,878	-	23,878	50%	52,460	7,316	45,144	50%	127,223	18,207	109,016	50%	113,430	17,063	96,368
D7222 - SD-DROP SERVICE/RETAPS (Start 07)	50%	430,688	-	430,688	50%	388,965	-	388,965	50%	424,695	104,548	320,148	50%	498,025	129,717	368,308	50%	590,838	155,570	435,268
D7224 - NETWORK REPAIR (Start 07)	98%	79,650	-	79,650	87%	22,600	-	22,600	99%	8,841	1,265	7,576	100%	1,200	-	1,200	100%	689	255	434

Indirect Impacts	%	2009			2010			2011			2012			2013						
		Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%				
B1302 - SUPPORT EMPLOYEE SAFETY	18%	170,759	-	170,759	26%	247,478	-	247,478	33%	286,461	38,952	247,510	24%	222,422	34,993	187,429	29%	311,192	57,238	253,953
B1404 - ATTEND TRAINING	0%	-	-	-	0%	-	-	-	0%	-	-	-	0%	-	-	-	0%	-	-	-
B1501 - PROVIDE MGMT/PROJECT SUPERVSN	50%	2,424,435	654,597	1,769,838	50%	1,961,248	529,537	1,431,711	50%	2,043,023	926,636	1,116,387	50%	1,821,282	884,147	937,135	50%	1,966,747	938,805	1,027,942
B1504 - PROVIDE OFFICE SVCS SUPPORT	5%	150,391	43,613	106,778	50%	1,606,679	465,937	1,140,742	50%	1,603,862	917,034	686,828	50%	1,634,216	959,288	674,929	50%	624,035	265,260	358,776
B7206 - PRE-CHARGE MATERIALS	28%	295,177	88,553	206,624	26%	282,293	84,688	197,605	30%	400,432	608,279	242,153	32%	1,095,764	765,327	330,437	28%	1,058,992	760,292	298,700
C0200 - ANALYZE POWER QUALITY	50%	696,677	501,608	195,070	50%	599,529	431,661	167,868	50%	704,246	367,441	336,804	50%	750,795	382,004	368,791	50%	584,717	216,928	377,788
D6205 - PROV GEN. DISTRIBUTION SYS SPT	5%	268,323	107,329	160,994	50%	2,710,026	1,626,016	-	50%	2,164,657	1,101,701	1,062,957	50%	1,203,875	843,643	360,233	50%	596,565	4,691,358	405,206

Major Storm Costs (Per the 2009 Hurricane Study)	%	2009			2010			2011			2012			2013						
		Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%				
	17%	2,853,269	399,185	2,454,085	17%	2,853,269	399,185	2,454,085	17%	2,853,269	399,185	2,454,085	17%	2,853,269	399,185	2,454,085	17%	2,853,269	-	-

Totals	2009			2010			2011			2012			2013		
	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%	Capital	O&M	%
Replacements	4,539,980	4,539,980	-	9,760,730	5,157,365	4,603,345	10,737,015	6,560,849	4,17						

Infrastructure in Circuit Miles

Note: Counts taken at year end.

	OH Pri Wire	OH Sec Cable	Total OH Pri & Sec	UG Pri Cable	UG Sec Cable	Total UG Pri & Sec	System UG Percentage of Primary	Percentage Change
2002	17,993	6,384	24,377	10,120	4,066	14,186	36%	-
2003	18,067	6,538	24,605	10,500	4,449	14,949	37%	0.76%
2004	18,153	6,675	24,828	11,075	4,918	15,993	38%	1.14%
2005	18,106	6,824	24,930	11,807	5,393	17,199	39%	1.58%
2006	18,282	6,956	25,238	12,537	5,951	18,488	41%	1.21%
2007	18,540	6,857	25,397	13,020	5,849	18,869	41%	0.58%
2008	18,715	6,922	25,637	15,808	7,102	22,910	46%	4.54%
2009	18,183	5,565	23,748	12,836	3,951	16,787	41%	-4.41%
2010	18,192	5,645	23,837	12,855	3,969	16,825	41%	0.02%
2011	18,193	5,688	23,881	12,835	3,941	16,776	41%	-0.04%
2012	18,178	5,827	24,005	12,980	4,026	17,006	42%	0.29%
2013	18,133	5,963	24,096	13,176	4,116	17,293	42%	0.43%
Avg 2002-2013	18,228	6,320	24,548	12,462	4,811	17,273		
	74%	26%		72%	28%			
CAGR for 2002-2013	1%	1%	1%	8%	10%	6%		

Factor down Miles for "Errors" Corrected in 2009 GIS System Data

2005	18,061	6,984	25,045	11,985	5,513	17,498	40%
2006	18,237	7,119	25,356	12,726	6,085	18,811	41%
2007	18,494	7,017	25,511	13,217	5,981	19,198	42%
2008	18,338	6,291	24,629	13,027	4,966	17,993	42%
2009	18,183	5,565	23,748	12,836	3,951	16,787	41%
2010	18,192	5,645	23,837	12,855	3,969	16,825	41%
2011	18,193	5,688	23,881	12,835	3,941	16,776	41%
2012	18,178	5,827	24,005	12,980	4,026	17,006	42%
2013	18,133	5,963	24,096	13,176	4,116	17,293	42%
Difference 2013 vs. 2012	(45)	136	91	196	90	287	
Percent Change 2013 vs 2012	0%	2%	0%	2%	2%	2%	
2012 Equals factor to decr prior years data for errors	0%	2%		2%	2%		

**UNDERGROUND SERVICE LATERALS FROM
OVERHEAD ELECTRIC DISTRIBUTION SYSTEMS
5/7/2014**

Underground Fixed Costs:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$159.87	\$386.24	\$546.11
Fleet		\$86.86	\$86.86
Engineering and Supervision		\$206.91	\$206.91
Total			\$839.88

Underground Excess Costs:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$485.83	\$521.82	\$1,007.65
Fleet		\$117.36	\$117.36
Engineering and Supervision		\$279.54	\$279.54
Total (for additional 220 ft)			\$1,404.55

Overhead Fixed Costs:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$86.30	\$163.80	\$250.10
Fleet		\$36.84	\$36.84
Engineering and Supervision		\$87.75	\$87.75
Total			\$374.69

Overhead Excess Costs:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$583.71	\$585.55	\$1,169.26
Fleet		\$131.69	\$131.69
Engineering and Supervision		\$313.68	\$313.68
Total (for additional 220 ft)			\$1,614.63

DIFFERENTIAL

Fixed Underground	\$840.00		
Fixed Overhead	-	<u>\$375.00</u>	
Difference		\$465.00	
Excess Underground	\$1,404.55		Excess
Excess Overhead	-	<u>\$1,614.63</u>	Cost per foot:
Difference		(\$210.08)	-0.95
Proposed Tariff Charge	\$0.00		\$0.00



Detailed Cost Estimate

WR Nbr: 737536

WR Revision: 1

Underground new service - 0' - 60'

Operating District: ST PETERSBURG
 WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.04 2014 LONG FILING - NEW UNDER
 Customer Address: 299 N 1ST AVE
 ST PETERSBURG, FL 33701-

Scheduled Start Date:
 Requested Completion Date: 06/30/2014

Customer #:
 WR Owner: ROBERT E MCCABE

WR Description: 11.04 2014 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

Item	Total
DESIGN AND PROJ MGT PEF	\$691.36
FLEET - PEF	\$868.65
MANAGEMENT & SUPV - PEF	\$1,377.71
	<hr/> <hr/>
	\$2,937.72

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
CABGRP1X125F	2921147	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CABGRP1X125F	2921146	I	1	\$0.00	\$6.72	\$6.72	.1	REVENUE
CABGRP1X125F	2921147	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CABGRP1X125F	2921146	I	1	\$0.00	\$6.72	\$6.72	.1	REVENUE
CABGRP2X250F	2921147	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CABGRP2X250F	2921144	I	1	\$0.00	\$6.72	\$6.72	.1	REVENUE
CABGRP2X250F	2921144	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CABGRP2X250F	2921144	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CABGRP2X250F	2921144	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CBRIS40PVC20F	2921146	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921147	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921144	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921146	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921147	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921144	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921144	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921144	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921144	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC40F	2921147	I	1	\$15.68	\$61.58	\$77.26	1.1	REVENUE
CRIS1UGPVC225WF	2921144	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921147	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921146	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921147	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921144	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921147	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921144	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921146	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921144	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
MISC								
KP4W40F	2921146	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE
KP4W40F	2921144	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE
KPW3W40F	2921144	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE

OH PRIMARY COND



Detailed Cost Estimate

WR Nbr: 737536
WR Revision: 1

Operating District: ST PETERSBURG
WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.04 2014 LONG FILING - NEW UNDEF
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:
Requested Completion Date: 06/30/2014

Customer #:
WR Owner: ROBERT E MCCABE

WR Description: 11.04 2014 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

OHBTLABSETUPF	2921146	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921146	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
STRUCTURE								
PEDUR9X14PF	2921144	I	1	\$74.96	\$22.39	\$97.35	.4	REVENUE
PEDUR9X14PF	2921146	I	1	\$74.96	\$26.87	\$101.83	.5	REVENUE
PEDUR9X14PF	2921144	I	1	\$74.96	\$22.39	\$97.35	.4	REVENUE
TRENCH AND BORE								
TBTRMF	2921144	I	40	\$0.00	\$83.68	\$83.68	2.0	REVENUE
TBTRMF	2921147	I	80	\$0.00	\$167.36	\$167.36	4.0	REVENUE
TBTRMF	2921146	I	40	\$0.00	\$83.68	\$83.68	2.0	REVENUE
TBTRMF	2921146	I	80	\$0.00	\$167.36	\$167.36	4.0	REVENUE
TBTRMF	2921144	I	80	\$0.00	\$167.36	\$167.36	4.0	REVENUE
TBTRMF	2921147	I	80	\$0.00	\$167.36	\$167.36	4.0	REVENUE
TBTRMF	2921144	I	60	\$0.00	\$125.52	\$125.52	3.0	REVENUE
TBTRMF	2921144	I	3	\$0.00	\$6.28	\$6.28	.2	REVENUE
TBTRMF	2921144	I	60	\$0.00	\$125.52	\$125.52	3.0	REVENUE
TBTRMF	2921147	I	40	\$0.00	\$83.68	\$83.68	2.0	REVENUE
UG PRIMARY COND								
UGLABSETUPF	2921147	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE
UGLABSETUPF	2921144	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE
UGLABSETUPF	2921144	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE
UGLABSETUPF	2921144	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE
UGLABSETUPF	2921144	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE
UGLABSETUPF	2921146	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE
UGLABSETUPF	2921144	I	2	\$0.00	\$89.57	\$89.57	1.6	REVENUE
UGLABSETUPF	2921146	I	2	\$0.00	\$89.57	\$89.57	1.6	REVENUE
UGLABSETUPF	2921144	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE
UGLABSETUPF	2921147	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE
UGLABSETUPF	2921147	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE
UG SEC COND								
UGLABTAPSECF	2921146	I	1	\$0.00	\$16.79	\$16.79	.3	REVENUE
UGLABTAPSECF	2921144	I	1	\$0.00	\$16.79	\$16.79	.3	REVENUE
UGLABTAPSECF	2921144	I	1	\$0.00	\$16.79	\$16.79	.3	REVENUE
WUS20TPXF	2921147	I	78	\$82.43	\$21.83	\$104.26	.4	REVENUE



Detailed Cost Estimate

WR Nbr: 737536
WR Revision: 1

Operating District: ST PETERSBURG
WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.04 2014 LONG FILING - NEW UNDER
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:
Requested Completion Date: 06/30/2014

Customer #:
WR Owner: ROBERT E MCCABE

WR Description: 11.04 2014 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

WUS20TPXF	2921146	I	118	\$124.69	\$33.03	\$157.72	.6	REVENUE
WUS20TPXF	2921147	I	118	\$124.69	\$33.03	\$157.72	.6	REVENUE
WUS20TPXF	2921146	I	86	\$90.88	\$24.07	\$114.95	.4	REVENUE
WUS350TPXF	2921147	I	118	\$293.24	\$33.03	\$326.27	.6	REVENUE
WUS40TPXF	2921144	I	78	\$121.88	\$26.20	\$148.08	.5	REVENUE
WUS40TPXF	2921144	I	106	\$165.63	\$35.60	\$201.23	.6	REVENUE
WUS40TPXF	2921144	I	118	\$184.38	\$39.63	\$224.01	.7	REVENUE
WUS40TPXF	2921144	I	72	\$112.50	\$24.18	\$136.69	.4	REVENUE
WUS40TPXF	2921144	I	37	\$57.81	\$12.43	\$70.24	.2	REVENUE
Subtotal:				\$1,598.69	\$3,862.37	\$5,461.06	76.1	

Total Construction Cost

\$8,398.78

Total CIAC



Detailed Cost Estimate

WR Nbr: 737536
WR Revision: 2

Operating District: ST PETERSBURG
WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.04 2014 LONG FILING - NEW UNDEF
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:
Requested Completion Date: 06/30/2014

Customer #:
WR Owner: ROBERT E MCCABE

WR Description: 11.04 2014 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

SERCLMP40ALF	2921142	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
SERCLMP40ALF	2921142	I	1	\$0.00	\$13.44	\$13.44	.2	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	2921142	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHBTLABSETUPF	2921142	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921142	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHBTLABSETUPF	2921142	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921142	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921142	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHBTLABSETUPF	2921142	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OH SEC COND								
WOS10AACTPXF	2921142	I	40	\$34.68	\$22.39	\$57.07	.4	REVENUE
WOS10AACTPXF	2921142	I	80	\$69.37	\$44.78	\$114.15	.8	REVENUE
WOS10AACTPXF	2921142	I	80	\$69.37	\$53.74	\$123.11	1.0	REVENUE
WOS10AACTPXF	2921142	I	40	\$34.68	\$26.87	\$61.55	.5	REVENUE
WOS40ACAERTPXF	2921142	I	40	\$65.49	\$22.39	\$87.89	.4	REVENUE
WOS40ACAERTPXF	2921142	I	60	\$98.24	\$33.59	\$131.83	.6	REVENUE
WOS40ACAERTPXF	2921142	I	80	\$130.99	\$44.78	\$175.77	.8	REVENUE
WOS40ACAERTPXF	2921142	I	80	\$130.99	\$44.78	\$175.77	.8	REVENUE
WOS40ACAERTPXF	2921142	I	60	\$98.24	\$33.59	\$131.83	.6	REVENUE
WOS40ACAERTPXF	2921142	I	80	\$130.99	\$53.74	\$184.73	1.0	REVENUE
Subtotal:				\$863.04	\$1,637.97	\$2,501.01	29.3	

Total Construction Cost

\$3,746.86

Total CIAC



Detailed Cost Estimate

WR Nbr: 737536

WR Revision: 3

Underground new service - 80' → 300'

Operating District: ST PETERSBURG
 WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.04 2014 LONG FILING - NEW UNDER
 Customer Address: 299 N 1ST AVE
 ST PETERSBURG, FL 33701-

Scheduled Start Date:
 Requested Completion Date: 06/30/2014

Customer #:
 WR Owner: ROBERT E MCCABE

WR Description: 11.04 2014 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

Item	Total
DESIGN AND PROJ MGT PEF	\$934.06
FLEET - PEF	\$1,173.57
MANAGEMENT & SUPV - PEF	\$1,861.33
	<u><u>\$3,968.95</u></u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
TRENCH AND BORE								
TBTRMF	8054199	I	220	\$0.00	\$460.24	\$460.24	11.0	REVENUE
TBTRMF	8054207	I	220	\$0.00	\$460.24	\$460.24	11.0	REVENUE
TBTRMF	8054205	I	220	\$0.00	\$460.24	\$460.24	11.0	REVENUE
TBTRMF	8054209	I	220	\$0.00	\$460.24	\$460.24	11.0	REVENUE
TBTRMF	8054201	I	220	\$0.00	\$460.24	\$460.24	11.0	REVENUE
TBTRMF	8054204	I	220	\$0.00	\$460.24	\$460.24	11.0	REVENUE
TBTRMF	8054206	I	220	\$0.00	\$460.24	\$460.24	11.0	REVENUE
TBTRMF	8054202	I	220	\$0.00	\$460.24	\$460.24	11.0	REVENUE
TBTRMF	8054208	I	220	\$0.00	\$460.24	\$460.24	11.0	REVENUE
TBTRMF	8054203	I	220	\$0.00	\$460.24	\$460.24	11.0	REVENUE
UG SEC COND								
WUS350TPXF	8054204	I	220	\$546.72	\$61.58	\$608.29	1.1	REVENUE
WUS350TPXF	8054206	I	220	\$546.72	\$61.58	\$608.29	1.1	REVENUE
WUS350TPXF	8054207	I	220	\$546.72	\$61.58	\$608.29	1.1	REVENUE
WUS350TPXF	8054208	I	220	\$546.72	\$61.58	\$608.29	1.1	REVENUE
WUS350TPXF	8054199	I	220	\$546.72	\$61.58	\$608.29	1.1	REVENUE
WUS350TPXF	8054209	I	220	\$546.72	\$61.58	\$608.29	1.1	REVENUE
WUS350TPXF	8054203	I	220	\$546.72	\$61.58	\$608.29	1.1	REVENUE
WUS40TPXF	8054201	I	220	\$343.76	\$61.58	\$405.33	1.1	REVENUE
WUS40TPXF	8054202	I	220	\$343.76	\$61.58	\$405.33	1.1	REVENUE
WUS40TPXF	8054205	I	220	\$343.76	\$61.58	\$405.33	1.1	REVENUE
Subtotal:				<u><u>\$4,858.27</u></u>	<u><u>\$5,218.18</u></u>	<u><u>\$10,076.45</u></u>	<u><u>121.0</u></u>	

Total Construction Cost **\$14,045.40**

Total CIAC



Detailed Cost Estimate

WR Nbr: 737536

WR Revision: 5

Overhead new service - 91' → 300'

Operating District: ST PETERSBURG
 WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.04 2014 LONG FILING - NEW UNDEF
 Customer Address: 299 N 1ST AVE
 ST PETERSBURG, FL 33701-

Scheduled Start Date:
 Requested Completion Date: 06/30/2014

Customer #:
 WR Owner: ROBERT E MCCABE

WR Description: 11.04 2014 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

Item	Total
DESIGN AND PROJ MGT PEF	\$1,048.14
FLEET - PEF	\$1,316.90
MANAGEMENT & SUPV - PEF	\$2,088.66
	<u>\$4,453.70</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
OH MISC								
NEUMESCLMP10ALF	8054191	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE
NEUMESCLMP10ALF	8054187	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
NEUMESCLMP10ALF	8054190	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
NEUMESCLMP10ALF	8054193	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE
NEUMESCLMP10ALF	8054195	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE
NEUMESCLMP10ALF	8054194	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
NEUMESCLMP10ALF	8054177	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
NEUMESCLMP10ALF	8054189	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE
NEUMESCLMP10ALF	8054192	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE
NEUMESCLMP10ALF	8054188	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	8054188	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OHBTLABSETUPF	8054194	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHBTLABSETUPF	8054195	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OHBTLABSETUPF	8054191	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OHBTLABSETUPF	8054192	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OHBTLABSETUPF	8054177	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHBTLABSETUPF	8054187	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHBTLABSETUPF	8054193	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OHBTLABSETUPF	8054190	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHBTLABSETUPF	8054189	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OH SEC COND								
WOC10AACARTPX	8054194	I	220	\$244.40	\$61.58	\$305.98	1.1	REVENUE
WOC10AACARTPX	8054177	I	220	\$244.40	\$61.58	\$305.98	1.1	REVENUE
WOC10AACARTPX	8054187	I	220	\$244.40	\$61.58	\$305.98	1.1	REVENUE
WOC10AACARTPX	8054190	I	220	\$244.40	\$61.58	\$305.98	1.1	REVENUE
WOC40AACARTPX	8054193	I	220	\$360.22	\$61.58	\$421.80	1.1	REVENUE
WOC40AACARTPX	8054195	I	220	\$360.22	\$61.58	\$421.80	1.1	REVENUE
WOC40AACARTPX	8054188	I	220	\$360.22	\$61.58	\$421.80	1.1	REVENUE
WOC40AACARTPX	8054192	I	220	\$360.22	\$61.58	\$421.80	1.1	REVENUE
WOC40AACARTPX	8054189	I	220	\$360.22	\$61.58	\$421.80	1.1	REVENUE
WOC40AACARTPX	8054191	I	220	\$360.22	\$61.58	\$421.80	1.1	REVENUE

**UNDERGROUND SERVICE LATERALS REPLACING
EXISTING OVERHEAD SERVICE LATERALS
5/7/2014**

Average cost to install new underground service:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$141.32	\$272.30	\$413.62
Fleet		\$61.24	\$61.24
Engineering and Supervision		\$145.87	\$145.87
Total			\$620.73

Cost to remove existing overhead service:	<u>Material</u>	<u>Labor</u>	<u>Total</u>
From Computer Study	\$0.00	\$85.03	\$85.03
Fleet		\$19.12	\$19.12
Engineering and Supervision		\$45.55	\$45.55
Total			\$149.70

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	\$60.20	\$103.34	\$163.54
Fleet		\$23.24	\$23.24
Engineering and Supervision		\$55.36	\$55.36
Total			\$242.14

Remaining undepreciated value = (Ave remaining life / Ave service life)* (OH Service cost)
 Remaining undepreciated value = 15 34 242.14 \$106.83

Salvage value of overhead service = (Salvage rate)*(Ave remaining life)*(OH Service Cost)
 Salvage value of overhead service= -0.0039 15 242.14 (\$14.17)

DIFFERENTIAL

Underground cost	\$621.00
Cost to remove overhead	\$150.00
Remaining undepreciated value	\$107.00
Salvage value	<u>(\$14.00)</u>
Total	<u><u>\$607.00</u></u>



Detailed Cost Estimate

WR Nbr: 737536
WR Revision: 5

Operating District: ST PETERSBURG
WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.04 2014 LONG FILING - NEW UNDER
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:
Requested Completion Date: 06/30/2014

Customer #:
WR Owner: ROBERT E MCCABE

WR Description: 11.04 2014 LONG FILING - NEW UNDERGROUND SERVICE FROM OH SOURCE

POLE								
OHLTLABSETUPF	8054188	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OHLTLABSETUPF	8054189	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OHLTLABSETUPF	8054195	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OHLTLABSETUPF	8054177	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHLTLABSETUPF	8054192	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OHLTLABSETUPF	8054191	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OHLTLABSETUPF	8054193	I	3	\$0.00	\$117.56	\$117.56	2.1	REVENUE
OHLTLABSETUPF	8054187	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHLTLABSETUPF	8054194	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
OHLTLABSETUPF	8054190	I	2	\$0.00	\$78.37	\$78.37	1.4	REVENUE
P306F	8054188	I	3	\$311.33	\$335.88	\$647.21	6.0	REVENUE
P306F	8054189	I	3	\$311.33	\$335.88	\$647.21	6.0	REVENUE
P306F	8054187	I	2	\$207.56	\$223.92	\$431.48	4.0	REVENUE
P306F	8054194	I	2	\$207.56	\$223.92	\$431.48	4.0	REVENUE
P306F	8054190	I	2	\$207.56	\$223.92	\$431.48	4.0	REVENUE
P306F	8054195	I	3	\$311.33	\$335.88	\$647.21	6.0	REVENUE
P306F	8054192	I	3	\$311.33	\$335.88	\$647.21	6.0	REVENUE
P306F	8054177	I	2	\$207.56	\$223.92	\$431.48	4.0	REVENUE
P306F	8054191	I	3	\$311.33	\$335.88	\$647.21	6.0	REVENUE
P306F	8054193	I	3	\$311.33	\$335.88	\$647.21	6.0	REVENUE
Subtotal:				\$5,837.15	\$5,855.51	\$11,692.66	104.6	

Total Construction Cost

\$16,146.36

Total CIAC



Detailed Cost Estimate

WR Nbr: 737545
WR Revision: 3

Cost to install U.G. Service

Operating District: ST PETERSBURG
WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.05 2014 LONG FILING - UG REPLAC
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:
Requested Completion Date: 06/30/2014

Customer #:
WR Owner: ROBERT E MCCABE

WR Description: 11.05 2014 LONG FILING - UG REPLACING EXISTING OH

Item	Total
DESIGN AND PROJ MGT PEF	\$487.43
FLEET - PEF	\$612.41
MANAGEMENT & SUPV - PEF	\$971.31
	\$2,071.16

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
CONDUIT								
CABGRP1X125F	2921147	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CABGRP1X125F	2921146	I	1	\$0.00	\$6.72	\$6.72	.1	REVENUE
CABGRP1X125F	2921147	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CABGRP1X125F	2921146	I	1	\$0.00	\$6.72	\$6.72	.1	REVENUE
CABGRP2X250F	2921144	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CABGRP2X250F	2921144	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CABGRP2X250F	2921144	I	1	\$0.00	\$6.72	\$6.72	.1	REVENUE
CABGRP2X250F	2921147	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CABGRP2X250F	2921144	I	1	\$0.00	\$5.60	\$5.60	.1	REVENUE
CBRIS40PVC20F	2921146	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921147	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921144	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921147	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921146	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921144	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921144	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921144	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC20F	2921144	I	1	\$0.00	\$61.58	\$61.58	1.1	REVENUE
CBRIS40PVC40F	2921147	I	1	\$15.68	\$61.58	\$77.26	1.1	REVENUE
CRIS1UGPVC225WF	2921147	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921144	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921144	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921144	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921147	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921147	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921144	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921146	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
CRIS1UGPVC225WF	2921146	I	3	\$0.00	\$67.18	\$67.18	1.2	REVENUE
MISC								
KP4W40F	2921144	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE
KP4W40F	2921146	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE
KPW3W40F	2921144	I	3	\$0.00	\$33.59	\$33.59	.6	REVENUE

OH PRIMARY COND



Detailed Cost Estimate

WR Nbr: 737545
WR Revision: 3

Operating District: ST PETERSBURG
WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.05 2014 LONG FILING - UG REPLAC
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:
Requested Completion Date: 06/30/2014

Customer #:
WR Owner: ROBERT E MCCABE

WR Description: 11.05 2014 LONG FILING - UG REPLACING EXISTING OH

OHBTLABSETUPF	2921146	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE	
OHBTLABSETUPF	2921144	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE	
OHBTLABSETUPF	2921144	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE	
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE	
OHBTLABSETUPF	2921144	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE	
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE	
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE	
OHBTLABSETUPF	2921144	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE	
OHBTLABSETUPF	2921146	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE	
STRUCTURE									
PEDUR9X14PF	2921144	I	1	\$74.96	\$22.39	\$97.35	.4	REVENUE	
PEDUR9X14PF	2921146	I	1	\$74.96	\$26.87	\$101.83	.5	REVENUE	
PEDUR9X14PF	2921144	I	1	\$74.96	\$22.39	\$97.35	.4	REVENUE	
TRENCH AND BORE									
TBTRHF	2921144	I	3	\$0.00	\$25.10	\$25.10	.6	REVENUE	
TBTRHF	2921144	I	3	\$0.00	\$25.10	\$25.10	.6	REVENUE	
TBTRHF	2921146	I	3	\$0.00	\$25.10	\$25.10	.6	REVENUE	
UG PRIMARY COND									
UGLABSETUPF	2921147	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE	
UGLABSETUPF	2921147	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE	
UGLABSETUPF	2921144	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE	
UGLABSETUPF	2921144	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE	
UGLABSETUPF	2921146	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE	
UGLABSETUPF	2921147	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE	
UGLABSETUPF	2921144	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE	
UGLABSETUPF	2921144	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE	
UGLABSETUPF	2921144	I	1	\$0.00	\$44.78	\$44.78	.8	REVENUE	
UGLABSETUPF	2921144	I	2	\$0.00	\$89.57	\$89.57	1.6	REVENUE	
UGLABSETUPF	2921146	I	2	\$0.00	\$89.57	\$89.57	1.6	REVENUE	
UG SEC COND									
UGLABTAPSECF	2921144	I	1	\$0.00	\$16.79	\$16.79	.3	REVENUE	
UGLABTAPSECF	2921146	I	1	\$0.00	\$16.79	\$16.79	.3	REVENUE	
UGLABTAPSECF	2921144	I	1	\$0.00	\$16.79	\$16.79	.3	REVENUE	
WUS20TPXF	2921146	I	66	\$69.74	\$18.47	\$88.22	.3	REVENUE	
WUS20TPXF	2921147	I	118	\$124.69	\$33.03	\$157.72	.6	REVENUE	
WUS20TPXF	2921144	I	78	\$82.43	\$21.83	\$104.26	.4	REVENUE	
WUS20TPXF	2921146	I	118	\$124.69	\$33.03	\$157.72	.6	REVENUE	
WUS20TPXF	2921147	I	78	\$82.43	\$21.83	\$104.26	.4	REVENUE	
WUS350TPXF	2921147	I	118	\$293.24	\$33.03	\$326.27	.6	REVENUE	
WUS40TPXF	2921144	I	72	\$112.50	\$24.18	\$136.69	.4	REVENUE	
WUS40TPXF	2921144	I	78	\$121.88	\$26.20	\$148.08	.5	REVENUE	



Detailed Cost Estimate

WR Nbr: 737545
WR Revision: 3

Operating District: ST PETERSBURG
WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.05 2014 LONG FILING - UG REPLAC
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:
Requested Completion Date: 06/30/2014

Customer #:
WR Owner: ROBERT E MCCABE

WR Description: 11.05 2014 LONG FILING - UG REPLACING EXISTING OH								
WUS40TPXF	2921144	I	37	\$57.81	\$12.43	\$70.24	.2	REVENUE
WUS40TPXF	2921144	I	66	\$103.13	\$22.17	\$125.29	.4	REVENUE
Subtotal:				<u>\$1,413.10</u>	<u>\$2,723.05</u>	<u>\$4,136.15</u>	<u>49.1</u>	

Total Construction Cost **\$6,207.31**

Total CIAC



Detailed Cost Estimate

WR Nbr: 737545

WR Revision: 4

Cost to remove O.H. Service

Operating District: ST PETERSBURG
 WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.05 2014 LONG FILING - UG REPLAC
 Customer Address: 299 N 1ST AVE
 ST PETERSBURG, FL 33701-

Scheduled Start Date:
 Requested Completion Date: 06/30/2014

Customer #:
 WR Owner: ROBERT E MCCABE

WR Description: 11.05 2014 LONG FILING - UG REPLACING EXISTING OH

Item	Total
DESIGN AND PROJ MGT PEF	\$152.21
FLEET - PEF	\$191.24
MANAGEMENT & SUPV - PEF	\$303.31
	<u>\$646.77</u>

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
OH MISC								
SDEMASTCLMPSMF	2921147	R	1	\$0.00	\$7.84	\$7.84	.1	REVENUE
SDEMASTCLMPSMF	2921144	R	1	\$0.00	\$7.84	\$7.84	.1	REVENUE
SDEMASTCLMPSMF	2921144	R	1	\$0.00	\$7.84	\$7.84	.1	REVENUE
SDEMASTCLMPSMF	2921146	R	1	\$0.00	\$7.84	\$7.84	.1	REVENUE
SDEMASTCLMPSMF	2921147	R	1	\$0.00	\$7.84	\$7.84	.1	REVENUE
SDEMASTCLMPSMF	2921144	R	1	\$0.00	\$7.84	\$7.84	.1	REVENUE
SDEMASTCLMPSMF	2921147	R	1	\$0.00	\$7.84	\$7.84	.1	REVENUE
SDEMASTCLMPSMF	2921144	R	1	\$0.00	\$7.84	\$7.84	.1	REVENUE
SDEMASTCLMPSMF	2921144	R	1	\$0.00	\$7.84	\$7.84	.1	REVENUE
SDEMASTCLMPSMF	2921146	R	1	\$0.00	\$7.84	\$7.84	.1	REVENUE
SERCLMP10ALF	2921144	S	2	\$0.00	\$15.67	\$15.67	.3	REVENUE
SERCLMP10ALF	2921144	S	2	\$0.00	\$15.67	\$15.67	.3	REVENUE
SERCLMP10ALF	2921147	S	2	\$0.00	\$15.67	\$15.67	.3	REVENUE
SERCLMP10ALF	2921146	S	2	\$0.00	\$15.67	\$15.67	.3	REVENUE
SERCLMP10ALF	2921144	S	2	\$0.00	\$15.67	\$15.67	.3	REVENUE
SERCLMP10ALF	2921144	S	2	\$0.00	\$15.67	\$15.67	.3	REVENUE
SERCLMP10ALF	2921147	S	2	\$0.00	\$15.67	\$15.67	.3	REVENUE
SERCLMP10ALF	2921144	S	2	\$0.00	\$15.67	\$15.67	.3	REVENUE
SERCLMP10ALF	2921146	S	2	\$0.00	\$15.67	\$15.67	.3	REVENUE
SERCLMP10ALF	2921147	S	2	\$0.00	\$15.67	\$15.67	.3	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921146	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921146	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OH SEC COND								



Detailed Cost Estimate

WR Nbr: 737545
WR Revision: 4

Operating District: ST PETERSBURG
WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.05 2014 LONG FILING - UG REPLAC
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:
Requested Completion Date: 06/30/2014

Customer #:
WR Owner: ROBERT E MCCABE

WR Description: 11.05 2014 LONG FILING - UG REPLACING EXISTING OH

WOS10AACTPXF	2921146	R	80	\$0.00	\$31.35	\$31.35	.6	REVENUE
WOS10AACTPXF	2921147	R	80	\$0.00	\$31.35	\$31.35	.6	REVENUE
WOS10AACTPXF	2921144	R	40	\$0.00	\$15.67	\$15.67	.3	REVENUE
WOS10AACTPXF	2921147	R	40	\$0.00	\$15.67	\$15.67	.3	REVENUE
WOS10AACTPXF	2921146	R	20	\$0.00	\$7.84	\$7.84	.1	REVENUE
WOS40AACAEPTPXF	2921144	R	20	\$0.00	\$7.84	\$7.84	.1	REVENUE
WOS40AACAEPTPXF	2921144	R	30	\$0.00	\$11.76	\$11.76	.2	REVENUE
WOS40AACAEPTPXF	2921144	R	60	\$0.00	\$23.51	\$23.51	.4	REVENUE
WOS40AACAEPTPXF	2921144	R	40	\$0.00	\$15.67	\$15.67	.3	REVENUE
WOS40AACAEPTPXF	2921147	R	80	\$0.00	\$31.35	\$31.35	.6	REVENUE
Subtotal:				\$0.00	\$850.34	\$850.34	15.2	

Total Construction Cost

\$1,497.10

Total CIAC



Detailed Cost Estimate

WR Nbr: 737545

WR Revision: 5

Cost to install OH service

Operating District: ST PETERSBURG
WR Type: ESTIM - ESTIMATE ONLY WORK REQUEST

Customer Name: 11.05 2014 LONG FILING - UG REPLAC
Customer Address: 299 N 1ST AVE
 ST PETERSBURG, FL 33701-

Scheduled Start Date:
Requested Completion Date: 06/30/2014

Customer #:
WR Owner: ROBERT E MCCABE

WR Description: 11.05 2014 LONG FILING - UG REPLACING EXISTING OH

Item	Total
DESIGN AND PROJ MGT PEF	\$184.98
FLEET - PEF	\$232.41
MANAGEMENT & SUPV - PEF	\$368.61
	\$786.00

CU ID	Facility ID	Action	Qty	Materials	Labor	Total	Labor Hrs	Work Type
OH MISC								
SDEMASTCLMPSMF	2921144	I	1	\$0.00	\$11.20	\$11.20	.2	REVENUE
SDEMASTCLMPSMF	2921146	I	1	\$0.00	\$11.20	\$11.20	.2	REVENUE
SDEMASTCLMPSMF	2921147	I	1	\$0.00	\$11.20	\$11.20	.2	REVENUE
SDEMASTCLMPSMF	2921144	I	1	\$0.00	\$11.20	\$11.20	.2	REVENUE
SDEMASTCLMPSMF	2921146	I	1	\$0.00	\$11.20	\$11.20	.2	REVENUE
SDEMASTCLMPSMF	2921144	I	1	\$0.00	\$11.20	\$11.20	.2	REVENUE
SDEMASTCLMPSMF	2921144	I	1	\$0.00	\$11.20	\$11.20	.2	REVENUE
SDEMASTCLMPSMF	2921144	I	1	\$0.00	\$11.20	\$11.20	.2	REVENUE
SDEMASTCLMPSMF	2921144	I	1	\$0.00	\$11.20	\$11.20	.2	REVENUE
SDEMASTCLMPSMF	2921147	I	1	\$0.00	\$11.20	\$11.20	.2	REVENUE
SDEMASTCLMPSMF	2921147	I	1	\$0.00	\$11.20	\$11.20	.2	REVENUE
SERCLMP10ALF	2921144	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
SERCLMP10ALF	2921147	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
SERCLMP10ALF	2921144	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
SERCLMP10ALF	2921146	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
SERCLMP10ALF	2921146	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
SERCLMP10ALF	2921144	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
SERCLMP10ALF	2921147	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
SERCLMP10ALF	2921144	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
SERCLMP10ALF	2921147	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
SERCLMP10ALF	2921144	I	2	\$0.00	\$22.39	\$22.39	.4	REVENUE
OH PRIMARY COND								
OHBTLABSETUPF	2921144	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921146	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921147	I	1	\$0.00	\$39.19	\$39.19	.7	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921146	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OHBTLABSETUPF	2921144	I	1	\$0.00	\$47.02	\$47.02	.8	REVENUE
OH SEC COND								



Detailed Cost Estimate

WR Nbr: 737545
WR Revision: 5

Operating District: ST PETERSBURG
WR Type: ESTIM - ESTIMATE ONLY WORK
REQUEST

Customer Name: 11.05 2014 LONG FILING - UG REPLAC
Customer Address: 299 N 1ST AVE
ST PETERSBURG, FL 33701-

Scheduled Start Date:
Requested Completion Date: 06/30/2014

Customer #:
WR Owner: ROBERT E MCCABE

WR Description: 11.05 2014 LONG FILING - UG REPLACING EXISTING OH

WOS10AACTPXF	2921146	I	20	\$17.34	\$11.20	\$28.54	.2	REVENUE
WOS10AACTPXF	2921147	I	80	\$69.37	\$44.78	\$114.15	.8	REVENUE
WOS10AACTPXF	2921144	I	40	\$34.68	\$22.39	\$57.07	.4	REVENUE
WOS10AACTPXF	2921146	I	80	\$69.37	\$44.78	\$114.15	.8	REVENUE
WOS10AACTPXF	2921147	I	40	\$34.68	\$22.39	\$57.07	.4	REVENUE
WOS40AACARTPXF	2921144	I	40	\$65.49	\$22.39	\$87.89	.4	REVENUE
WOS40AACARTPXF	2921144	I	20	\$32.75	\$11.20	\$43.94	.2	REVENUE
WOS40AACARTPXF	2921144	I	60	\$98.24	\$33.59	\$131.83	.6	REVENUE
WOS40AACARTPXF	2921144	I	30	\$49.12	\$16.79	\$65.91	.3	REVENUE
WOS40AACARTPXF	2921147	I	80	\$130.99	\$44.78	\$175.77	.8	REVENUE
Subtotal:				\$602.03	\$1,033.39	\$1,635.42	18.5	

Total Construction Cost

\$2,421.42

Total CIAC

\$0.00