

Robert L. McGee, Jr.
Regulatory & Pricing Manager

One Energy Place
Pensacola, Florida 32520-0780

Tel 850.444.6530
Fax 850.444.6026
RLMCGEE@southernco.com



March 31, 2015

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

Dear Ms. Stauffer:

In accordance with Rule 25-6.078, Gulf Power Company is enclosing an original and fifteen copies of its 2015 Overhead/Underground Residential Differential Cost Data and supporting work papers.

Also enclosed are an original and fifteen copies of the Company's tariff sheets listed below. A coded copy of each tariff sheet has been provided to show the changes to the existing tariff sheets.

<u>Identification</u>	<u>New Sheet</u>	<u>Old Sheet</u>
Underground	Thirteenth Rev. Sheet No. 4.25	Twelfth Rev. Sheet No. 4.25
	Seventeenth Rev. Sheet No. 4.26	Sixteenth Rev. Sheet No. 4.26
	Fifth Rev. Sheet No. 4.26.1	Fourth Rev. Sheet No. 4.26.1
	Fifth Rev. Sheet No. 4.26.2	Fourth Rev. Sheet No. 4.26.2
	Ninth Rev. Sheet No. 4.28	Eighth Rev. Sheet No. 4.28

Please return a copy of the approved tariff sheets to my attention.

Sincerely,

Robert L. McGee, Jr.
Regulatory and Pricing Manager

md

Enclosures

cc: Beggs & Lane
Jeffrey A. Stone, Esq.

COM _____
 AFD _____
 APA _____
 ECO 8+co _____
 ENG _____
 GCL 7 _____
 IDM _____
 TEL _____
 CLK _____

COMMISSION
CLERK

15 APR - 1 AM 10:20

RECEIVED-FPSC

Gulf Power Company

**Overhead/Underground Residential
Differential Cost Data**

Report to the

Florida Public Service Commission

April 1, 2015

Gulf Power Company

Overhead/Underground Residential Differential Cost Data

April 1, 2015

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**Gulf Power Company Submits the
Following Data On The 210 Lot
Typical Subdivision For Information Purposes Only
In Accordance With Rule 25-6.078**

Gulf Power Company
Overhead VS Underground
Summary Sheet
Cost Per Lot
210 Lot Single Family Residential

April 1, 2015

Item	Overhead	Underground	Differential
Labor	\$ 1,121	\$ 1,480	\$ 359
Material	594	827	233
Sub Total	1,715	2,307	592
Operating Cost	626	436	(190)
Total	\$ 2,341	\$ 2,743	\$ 402

**Gulf Power Company
Cost Per Lot
Overhead Material And Labor
210 Lot Single Family Residential**

April 1, 2015

Item	Material (1)	Labor (4)	Total
Service (2)	\$ 62	\$ 62	\$ 124
Primary	30	38	68
Secondary	14	9	23
Initial Tree Trim		155	155
Poles	134	222	356
Transformers (3)	343	221	564
 Subtotal	<hr/> 583	<hr/> 707	<hr/> 1,290
Stores Handling (5)	11		11
 Subtotal	<hr/> 594	<hr/> 707	<hr/> 1,301
Engineering & Staff (6)		414	414
 Sub Total	<hr/> 594	<hr/> 1,121	<hr/> 1,715
 Operating Expense (7)			<hr/> 626
 Total			<hr/> \$ 2,341

(1) Includes Sales Tax

(2) Includes Meter

(3) Includes Ground Rods, Arresters and Cutouts

(4) Includes Administrative, General Expenses, and Transportation

(5) 4% of All Material (Less Meters and Transformers)

(6) 48.0% of All Material & Labor (Less Meters and Transformers)

(7) 14,685 Conductor Ft. divided by 210 Lots times Total Overhead Lines

Operating Multiplier of 8.95590 which is calculated on page 15a.

**Gulf Power Company
Cost Per Lot
Underground Material And Labor
210 Lot Single Family Residential**

April 1, 2015

Item	Material (1)	Labor (4)	Total
Service (2)	\$ 146	\$ 211	\$ 357
Primary	197	172	369
Secondary	106	91	197
Transformers (3)	358	120	478
T&I 1 duct		99	99
T&I 2 ducts		31	31
T&I 3 ducts		5	5
Service Trenching		163	163
Subtotal	<u>807</u>	<u>892</u>	<u>1,699</u>
Stores Handling (5)	20		20
Subtotal	<u>827</u>	<u>892</u>	<u>1,719</u>
Engineering & Staff (6)		588	588
SubTotal	<u>827</u>	<u>1,480</u>	<u>2,307</u>
Operating Expense (7)			<u>436</u>
Total			\$ 2,743

(1) Includes Sales Tax

(2) Includes Meter

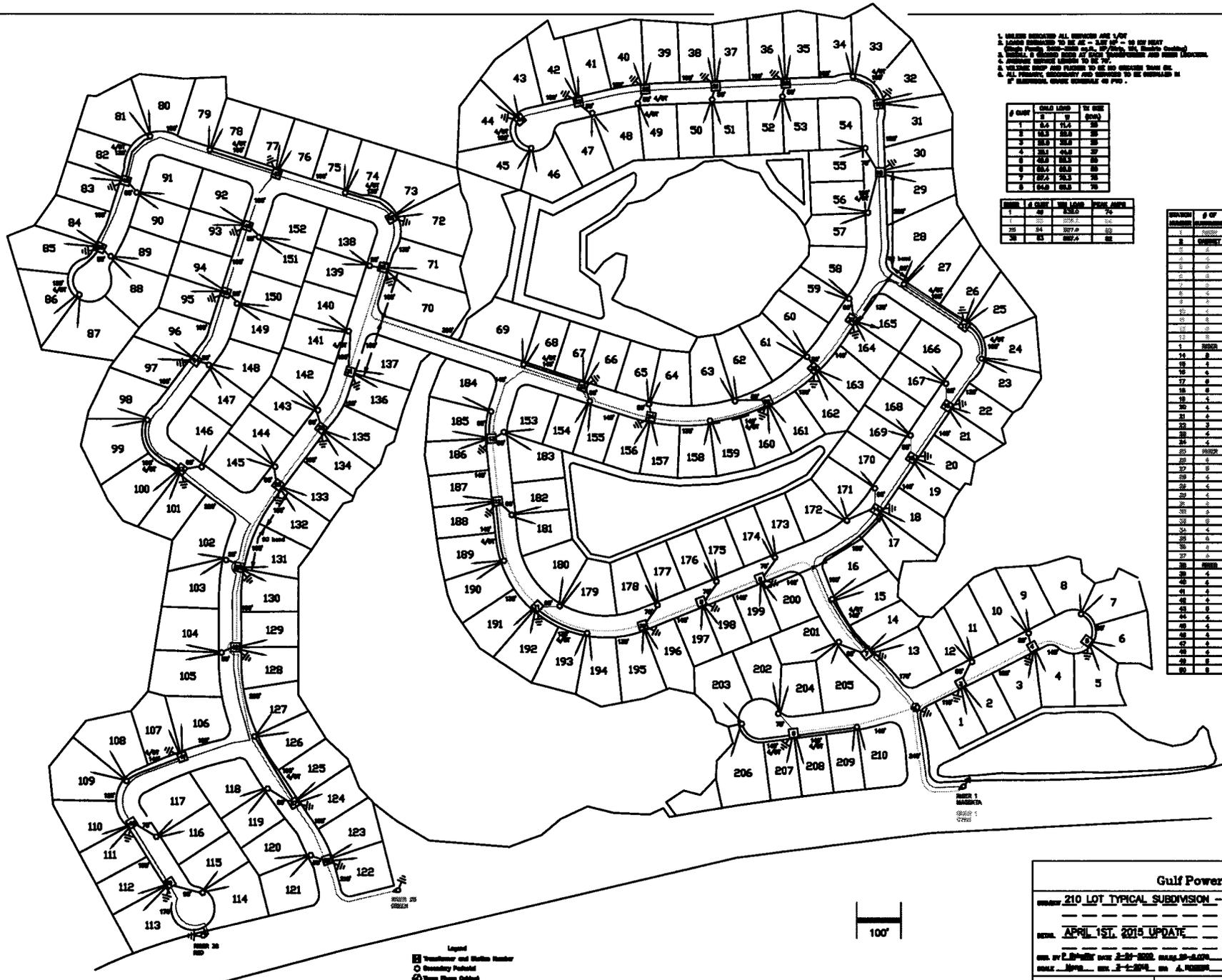
(3) Includes Ground Rods, Arresters and Cutouts

(4) Includes Administrative, General Expenses, and Transportation

(5) 4% of All Material (Less Meters and Transformers)

(6) 48.0% of All Material & Labor (Less Meters and Transformers)

(7) 12,405 Conductor Ft. divided by 210 Lots times Total Underground Lines
Operating Multiplier of 7.38443 which is calculated on page 15b.



- 1. ALL LOTS INDICATED ALL SERVICES ARE 1/2"
- 2. SERVICE CONNECTIONS TO BE 4" - 1/2" OR 2" OR 3" OR 4" OR 6" OR 8" OR 10" OR 12" OR 14" OR 16" OR 18" OR 20" OR 22" OR 24" OR 26" OR 28" OR 30" OR 32" OR 34" OR 36" OR 38" OR 40" OR 42" OR 44" OR 46" OR 48" OR 50" OR 52" OR 54" OR 56" OR 58" OR 60" OR 62" OR 64" OR 66" OR 68" OR 70" OR 72" OR 74" OR 76" OR 78" OR 80" OR 82" OR 84" OR 86" OR 88" OR 90" OR 92" OR 94" OR 96" OR 98" OR 100" OR 102" OR 104" OR 106" OR 108" OR 110" OR 112" OR 114" OR 116" OR 118" OR 120" OR 122" OR 124" OR 126" OR 128" OR 130" OR 132" OR 134" OR 136" OR 138" OR 140" OR 142" OR 144" OR 146" OR 148" OR 150" OR 152" OR 154" OR 156" OR 158" OR 160" OR 162" OR 164" OR 166" OR 168" OR 170" OR 172" OR 174" OR 176" OR 178" OR 180" OR 182" OR 184" OR 186" OR 188" OR 190" OR 192" OR 194" OR 196" OR 198" OR 200" OR 202" OR 204" OR 206" OR 208" OR 210"
- 3. SERVICE CONNECTIONS TO BE 4" - 1/2" OR 2" OR 3" OR 4" OR 6" OR 8" OR 10" OR 12" OR 14" OR 16" OR 18" OR 20" OR 22" OR 24" OR 26" OR 28" OR 30" OR 32" OR 34" OR 36" OR 38" OR 40" OR 42" OR 44" OR 46" OR 48" OR 50" OR 52" OR 54" OR 56" OR 58" OR 60" OR 62" OR 64" OR 66" OR 68" OR 70" OR 72" OR 74" OR 76" OR 78" OR 80" OR 82" OR 84" OR 86" OR 88" OR 90" OR 92" OR 94" OR 96" OR 98" OR 100" OR 102" OR 104" OR 106" OR 108" OR 110" OR 112" OR 114" OR 116" OR 118" OR 120" OR 122" OR 124" OR 126" OR 128" OR 130" OR 132" OR 134" OR 136" OR 138" OR 140" OR 142" OR 144" OR 146" OR 148" OR 150" OR 152" OR 154" OR 156" OR 158" OR 160" OR 162" OR 164" OR 166" OR 168" OR 170" OR 172" OR 174" OR 176" OR 178" OR 180" OR 182" OR 184" OR 186" OR 188" OR 190" OR 192" OR 194" OR 196" OR 198" OR 200" OR 202" OR 204" OR 206" OR 208" OR 210"
- 4. SERVICE CONNECTIONS TO BE 4" - 1/2" OR 2" OR 3" OR 4" OR 6" OR 8" OR 10" OR 12" OR 14" OR 16" OR 18" OR 20" OR 22" OR 24" OR 26" OR 28" OR 30" OR 32" OR 34" OR 36" OR 38" OR 40" OR 42" OR 44" OR 46" OR 48" OR 50" OR 52" OR 54" OR 56" OR 58" OR 60" OR 62" OR 64" OR 66" OR 68" OR 70" OR 72" OR 74" OR 76" OR 78" OR 80" OR 82" OR 84" OR 86" OR 88" OR 90" OR 92" OR 94" OR 96" OR 98" OR 100" OR 102" OR 104" OR 106" OR 108" OR 110" OR 112" OR 114" OR 116" OR 118" OR 120" OR 122" OR 124" OR 126" OR 128" OR 130" OR 132" OR 134" OR 136" OR 138" OR 140" OR 142" OR 144" OR 146" OR 148" OR 150" OR 152" OR 154" OR 156" OR 158" OR 160" OR 162" OR 164" OR 166" OR 168" OR 170" OR 172" OR 174" OR 176" OR 178" OR 180" OR 182" OR 184" OR 186" OR 188" OR 190" OR 192" OR 194" OR 196" OR 198" OR 200" OR 202" OR 204" OR 206" OR 208" OR 210"
- 5. ALL SERVICE CONNECTIONS AND SERVICE TO BE INDICATED IN "F" MATERIALS SHEET SUMMARY OF PG. 8.

LOT NO.	AREA (SQ. FT.)	PERCENTAGE
1	15.5	7.4
2	15.5	7.4
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209	15.5	7.4
210	15.5	7.4

- Legend
- Transformer and Station Number
- Secondary Polehead
- Three Phase Cabinet



Gulf Power

210 LOT TYPICAL SUBMISSION - UG

APRIL 1ST, 2015 UPDATE

DATE: 4/1/2015

PROJECT: 210 LOT TYPICAL SUBMISSION - UG

SCALE: 1" = 100'

DATE: 4/1/2015

210 UD 2015 PG 7.dwg



1. THE BOUNDARY LINES AND CORNER POINTS OF PROPERTY ARE TO BE DETERMINED BY THE FIELD SURVEYOR. THE FIELD SURVEYOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE FIELD SURVEY. THE FIELD SURVEYOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE FIELD SURVEY. THE FIELD SURVEYOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE FIELD SURVEY.

#	DATE	BY	REVISION
1	04/15/15	J. GIBSON	ISSUE
2	04/15/15	J. GIBSON	ISSUE
3	04/15/15	J. GIBSON	ISSUE
4	04/15/15	J. GIBSON	ISSUE
5	04/15/15	J. GIBSON	ISSUE

SECTION	# OF	TO DATE	PLANS
NO.	PLANS	REVISED	
1	1	04/15/15	A
2	1	04/15/15	A
3	1	04/15/15	A
4	1	04/15/15	A
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6	1	04/15/15	A
7	1	04/15/15	A
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10	1	04/15/15	A
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12	1	04/15/15	A
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14	1	04/15/15	A
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176	1	04/15/15	A
177	1	04/15/15	A
178	1	04/15/15	A
179	1	04/15/15	A
180	1	04/15/15	A
181	1	04/15/15	A
182	1	04/15/15	A
183	1	04/15/15	A
184	1	04/15/15	A
185	1	04/15/15	A
186	1	04/15/15	A
187	1	04/15/15	A
188	1	04/15/15	A
189	1	04/15/15	A
190	1	04/15/15	A
191	1	04/15/15	A
192	1	04/15/15	A
193	1	04/15/15	A
194	1	04/15/15	A
195	1	04/15/15	A
196	1	04/15/15	A
197	1	04/15/15	A
198	1	04/15/15	A
199	1	04/15/15	A
200	1	04/15/15	A
201	1	04/15/15	A
202	1	04/15/15	A
203	1	04/15/15	A
204	1	04/15/15	A
205	1	04/15/15	A
206	1	04/15/15	A
207	1	04/15/15	A
208	1	04/15/15	A
209	1	04/15/15	A
210	1	04/15/15	A
211	1	04/15/15	A
212	1	04/15/15	A
213	1	04/15/15	A
214	1	04/15/15	A
215	1	04/15/15	A
216	1	04/15/15	A
217	1	04/15/15	A
218	1	04/15/15	A
219	1	04/15/15	A
220	1	04/15/15	A
221	1	04/15/15	A
222	1	04/15/15	A
223	1	04/15/15	A
224	1	04/15/15	A
225	1	04/15/15	A
226	1	04/15/15	A
227	1	04/15/15	A
228	1	04/15/15	A
229	1	04/15/15	A
230	1	04/15/15	A
231	1	04/15/15	A
232	1	04/15/15	A
233	1	04/15/15	A
234	1	04/15/15	A
235	1	04/15/15	A
236	1	04/15/15	A
237	1	04/15/15	A
238	1	04/15/15	A
239	1	04/15/15	A
240	1	04/15/15	A
241	1	04/15/15	A
242	1	04/15/15	A
243	1	04/15/15	A
244	1	04/15/15	A
245	1	04/15/15	A
246	1	04/15/15	A
247	1	04/15/15	A
248	1	04/15/15	A
249	1	04/15/15	A
250	1	04/15/15	A

Page 8



CH Transformer and Electric Meter
 X Gas Pole
 S Water Pole
 I Sewer Pole
 1 Other Pole



Gulf Power

SUBJECT: 210 LOT TYPICAL SUBMISSION - OVN

DATE: APRIL 1ST, 2015 UPDATE

DESIGNED BY: J. GIBSON DATE: 2-10-2015 DRAWN BY: J. GIBSON
 CHECKED BY: J. GIBSON DATE: 2-10-2015
 SCALE: AS SHOWN DATE: 2-10-2015 BY: J. GIBSON

SHEET: 1 OF 1 DRAWING: 210 LOT OVN 2015 PG 8.dwg

**Gulf Power Company Submits the
Following Data On The 176 Lot
Typical Subdivision For Information Purposes Only
In Accordance With Rule 25-6.078**

Gulf Power Company
Overhead VS Underground
Summary Sheet
Cost Per Lot
176 Lot Single Family Residential

April 1, 2015

Item	Overhead	Underground	Differential
Labor	\$ 844	\$ 1,209	\$ 365
Material	487	686	199
Sub Total	<u>1,331</u>	<u>1,895</u>	<u>564</u>
Operating Cost	317	274	(43)
Total	<u>\$ 1,648</u>	<u>\$ 2,169</u>	<u>\$ 521</u>

**Gulf Power Company
Cost Per Lot
Overhead Material And Labor
176 Lot Single Family Residential**

April 1, 2015

Item	Material (1)	Labor (4)	Total
Service (2)	\$ 44	\$ 48	\$ 92
Primary	15	21	36
Secondary	16	11	27
Initial Tree Trim		99	99
Poles	98	167	265
Transformers (3)	305	189	494
Subtotal	478	535	1,013
Stores Handling (5)	9		9
Subtotal	487	535	1,022
Engineering & Staff (6)		309	309
Sub Total	487	844	1,331
Operating Expense (7)			317
Total			\$ 1,648

(1) Includes Sales Tax

(2) Includes Meter

(3) Includes Ground Rods, Arresters and Cutouts

(4) Includes Administrative, General Expenses, and Transportation

(5) 4% of All Material (Less Meters and Transformers)

(6) 48.0% of All Material & Labor (Less Meters and Transformers)

(7) 6,235 Conductor Ft. divided by 176 Lots times Total Overhead Lines
Operating Multiplier of 8.95590 which is calculated on page 15a.

**Gulf Power Company
Cost Per Lot
Underground Material And Labor
176 Lot Single Family Residential**

April 1, 2015

Item	Material (1)	Labor (4)	Total
Service (2)	\$ 112	\$ 184	\$ 296
Primary	122	108	230
Secondary	131	110	241
Transformers (3)	305	70	375
T&I 1 duct		54	54
T&I 2 ducts		37	37
T&I 3 ducts		3	3
T&I 4 ducts		1	1
Service Trenching		163	163
Subtotal	<u>670</u>	<u>730</u>	<u>1,400</u>
Stores Handling (5)	16		16
Subtotal	<u>686</u>	<u>730</u>	<u>1,416</u>
Engineering & Staff (6)		479	479
SubTotal	<u>686</u>	<u>1,209</u>	<u>1,895</u>
Operating Expense (7)			<u>274</u>
Total			\$ 2,169

(1) Includes Sales Tax

(2) Includes Meter

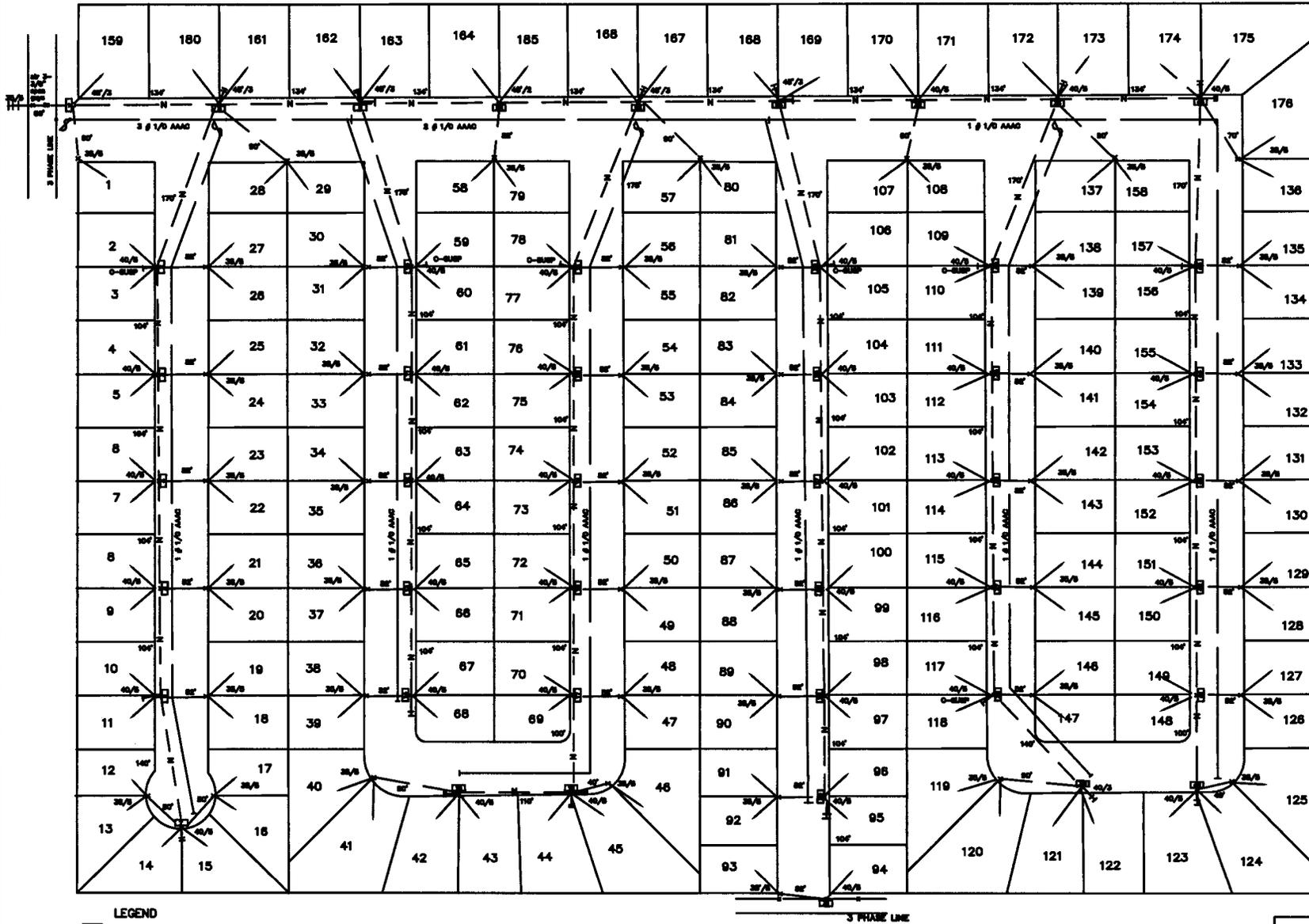
(3) Includes Ground Rods, Arresters and Cutouts

(4) Includes Administrative, General Expenses, and Transportation

(5) 4% of All Material (Less Meters and Transformers)

(6) 48.0% of All Material & Labor (Less Meters and Transformers)

(7) 6,528 Conductor Ft. divided by 176 Lots times Total Underground Lines
Operating Multiplier of 7.38443 which is calculated on page 15b.



Station	Customers	Tx (kVA)
1	2	15
2	4	37.5
3	4	37.5
4	4	37.5
5	4	37.5
6	4	37.5
7	6	50
8	4	37.5
9	2	15
10	4	37.5
11	4	37.5
12	4	37.5
13	4	37.5
14	4	37.5
15	4	37.5
16	3	25
17	4	37.5
18	4	37.5
19	4	37.5
20	4	37.5
21	4	37.5
22	4	37.5
23	4	37.5
24	2	15
25	4	37.5
26	4	37.5
27	4	37.5
28	4	37.5
29	4	37.5
30	4	37.5
31	2	15
32	4	37.5
33	4	37.5
34	4	37.5
35	4	37.5
36	4	37.5
37	4	37.5
38	4	37.5
39	4	37.5
40	3	25
41	4	37.5
42	4	37.5
43	4	37.5
44	4	37.5
45	4	37.5
46	4	37.5

- LEGEND**
- TRANSFORMER TO BE INSTALLED
 - PRIMARY TO BE INSTALLED
 - SECONDARY TO BE INSTALLED
 - SERVICE WIRE TO BE INSTALLED
 - SWITCHING TO BE INSTALLED
 - FUSED CIRCUIT TO BE INSTALLED
 - POLE TO BE INSTALLED
 - SHEDDING POLE LINE

Gulf Power

area 178 LOT TYPICAL SUBDIVISION - CWH

area APRIL 1ST, 2016 UPDATE

des. by E. Shultz date 2-24-16 map 28-022

scale None rev. 2-4-2016 by A. BOWEN

sheet 1 of 1 area 178 LOT CWH 2016 PG 13.dwg

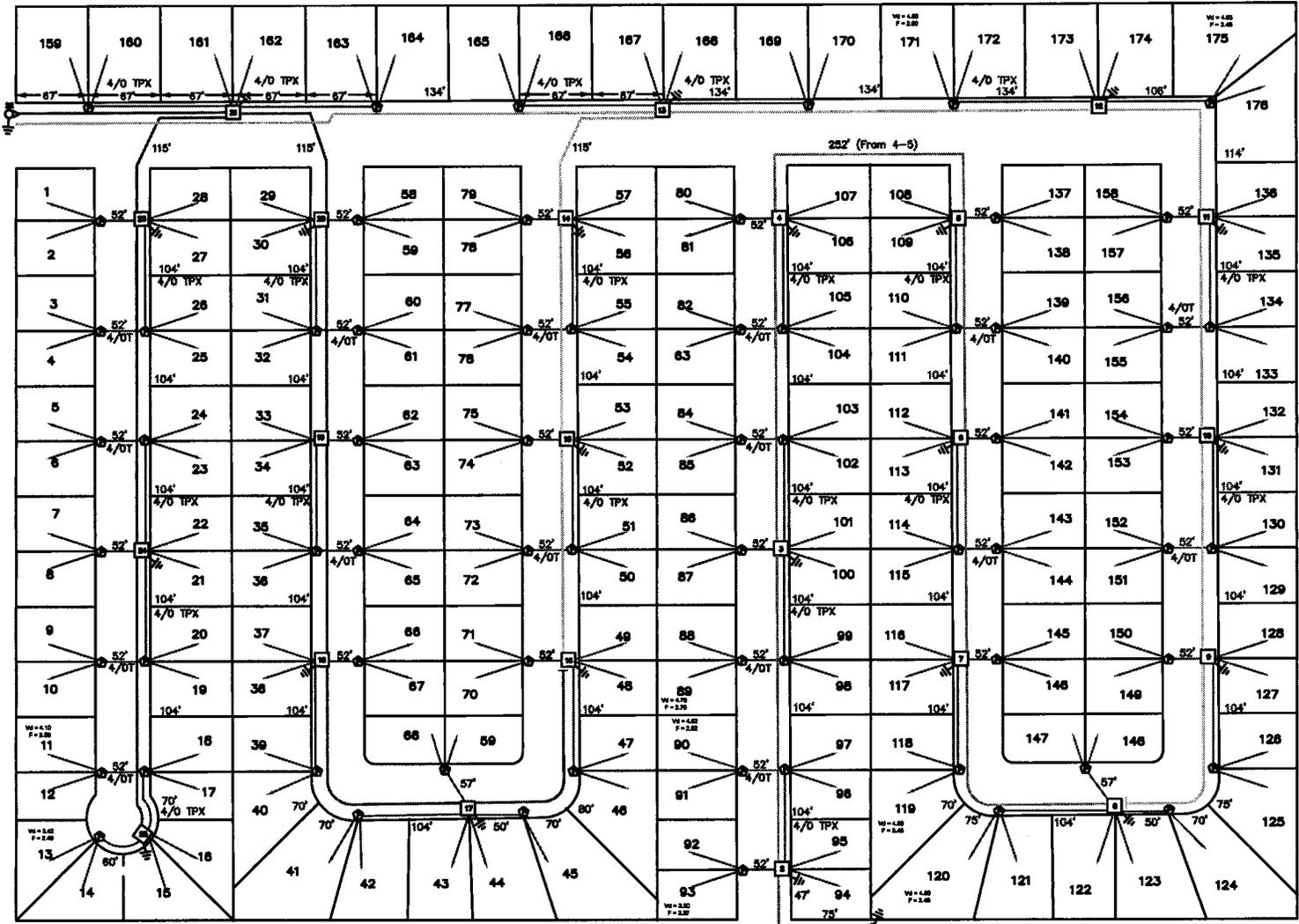
# CUST	CALC LOAD		TX SIZE (KVA)
	S	W	
1	7.2	10.3	25
2	14.0	20.6	25
3	20.5	30.8	25
4	28.7	40.8	37.5
5	32.5	50.4	37.5
6	38.1	60.1	50
7	43.3	69.7	50
8	48.2	79.1	75
12	64.5	115.4	100

NOTE:

- 8 DEPTH GROUND RODS TO BE INSTALLED AT ALL TRANSFORMER AND RISER POLE LOCATIONS.
- ALL PRIMARY AND SECONDARY TO BE INSTALLED IN 2" ELECTRICAL GRADE SCHEDULE 40 PFC.
- ALL SECONDARY IS 1/0 TRIPLEX, UNLESS NOTED.
- ALL PRIMARY IS 1/0 ALUMINUM, 18 KV.
- ALL 2.0 TON HP, 10 KW STEEP HEAT, DRIVER (Single Family, LE 1800 sq.ft., HP/200, WH, Electric Cooling)
- ALL SERVICES ARE 50' OF 1/0 TPX

ST #	# CUST	TX SIZE	PHASE
1	RISER		
2	8	75	C
3	12	100	C
4	8	75	C
5	8	75	C
6	8	75	C
7	9	50	C
8	7	50	C
9	8	50	B
10	8	75	B
11	8	75	B
12	6	50	B
13	6	50	B
14	8	75	B
15	8	75	B
16	6	50	B
17	7	50	A
18	6	50	A
19	8	75	A
20	8	75	A
21	6	50	A
22	RISER		
23	8	75	A
24	12	100	A
25	8	75	A

CABLE A
CABLE B



LEGEND

- PADMOUNT TRANSFORMER
- SECONDARY PEDESTAL

CABLE C

1" = 50'

Gulf Power

178 LOT TYPICAL SUBDIVISION - UG

APRIL 1ST, 2015 UPDATE

DATE OF PLOTTING: 04-21-2015 10:45:00 AM

SCALE: 1" = 50'

178 LOT UG 2015 PG 14.dwg

GULF POWER COMPANY
AVERAGE HISTORICAL OPERATING EXPENSES (2010 - 2014)

OPERATIONS & MAINTENANCE DESCRIPTION	OVERHEAD	UNDERGROUND	INDIRECT
ENGINEERING & SUPERVISION OVERHEADS			\$7,421,408
INSTALL & REMOVE OVERHEAD TRANSFORMERS	\$457,730		
OVERHEAD LINES - OTHER OPERATION EXPENSES	\$2,477,635		
INSTALL & REMOVE UNDERGROUND TRANSFORMERS		\$241,071	
UNDERGROUND LINES - OTHER OPERATION EXPENSES		\$716,891	
MISCELLANEOUS DISTRIBUTION EXPENSES			\$4,608,275
OVERHEAD LINE CLEARING	\$5,933,266		
OVERHEAD LINE MAINTENANCE	\$5,413,515		
POLE LINE INSPECTION/MAINTENANCE EXPENSES	\$582,773		
OVERHEAD STORM EXPENSE	\$794,740		
UNDERGROUND LINE MAINTENANCE		\$2,189,182	
UNDERGROUND STORM EXPENSE		\$6,449	
OVERHEAD LINE TRANSFORMER MAINTENANCE	\$777,294		
UNDERGROUND TRANSFORMER MAINTENANCE		\$93,239	
TOTAL =	\$16,436,953	\$3,246,832	\$12,029,683

Overhead Lines Operating Cost Multiplier

Assumptions	
Revenue Requirements Life	32
O&M Expense Per Conductor Feet (\$16,436,953 / 53,951,568 = 30.466 cents/ft)	\$0.30466
O&M Annual Escalation Percent	2.92%
Discount Rate	6.72%

Calculation of Overhead Lines Operating Cost Multiplier	
Cumulative PV	\$ 306,797,455
divided by:	
Year-End 2014 System Overhead Conductor Feet	53,951,568
PV Operating Cost Factor	5.68653
Plus:	
Indirect Operating Cost Multiplier	3.26937
Equals:	
Total Overhead Lines Operating Cost Multiplier	8.95590

Formulas	
Column A	
Year 1 = Overhead Operating Expenses Equals	\$ 16,436,953
See Page 15	
Year 2 = Year 1 \$ Nominal O&M amount x 1.0292, etc.	
Column B	
$1/(1+.0672)^{(\text{Year} \# -0.5)}$	
Column C	
(Column A) x (Column B)	

	Column A	Column B	Column C
	O&M	PV	O&M
Year	\$ Nominal	Factor	\$ PV
1	16,436,953	0.968004	15,911,034
2	16,916,912	0.907050	15,344,487
3	17,410,886	0.849935	14,798,113
4	17,919,284	0.796415	14,271,193
5	18,442,527	0.746266	13,763,036
6	18,981,049	0.699275	13,272,973
7	19,535,295	0.655243	12,800,360
8	20,105,726	0.613983	12,344,575
9	20,692,813	0.575321	11,905,019
10	21,297,043	0.539094	11,481,115
11	21,918,917	0.505148	11,072,304
12	22,558,949	0.473340	10,678,051
13	23,217,671	0.443534	10,297,835
14	23,895,626	0.415606	9,931,158
15	24,593,379	0.389436	9,577,537
16	25,311,505	0.364913	9,236,508
17	26,050,601	0.341935	8,907,622
18	26,811,279	0.320404	8,590,447
19	27,594,168	0.300229	8,284,565
20	28,399,918	0.281324	7,989,575
21	29,229,196	0.263609	7,705,088
22	30,082,688	0.247010	7,430,732
23	30,961,103	0.231456	7,166,144
24	31,865,167	0.216882	6,910,978
25	32,795,630	0.203225	6,664,897
26	33,753,262	0.190428	6,427,579
27	34,738,857	0.178437	6,198,711
28	35,753,232	0.167201	5,977,992
29	36,797,226	0.156673	5,765,133
30	37,871,705	0.146808	5,559,853
31	38,977,559	0.137563	5,361,882
32	40,115,704	0.128901	5,170,960
		Cumulative PV	\$ 306,797,455

Underground Lines Operating Cost Multiplier

Assumptions	
Revenue Requirements Life	32
O&M Expense Per Conductor Feet (\$3,246,832 / 14,726,976= 22.047 Cents/Ft)	\$0.22047
O&M Annual Escalation Percent	2.92%
Discount Rate	6.72%

Calculation of Underground Lines Operating Cost Multiplier	
Cumulative PV	\$ 60,602,461
divided by:	
Year-End 2014 System Underground Conductor Feet	14,726,976
PV Operating Cost Factor	4.11506
Plus:	
Indirect Operating Cost Multiplier	3.26937
Equals:	
Total Underground Lines Operating Cost Multiplier	7.38443

Formulas	
Column A	
Year 1 = Underground Operating Expenses Equals	\$ 3,246,832
See Page 15	
Year 2 = Year 1 \$ Nominal O&M amount x 1.0292, etc.	
Column B	
$1/(1+.0672)^{(\text{Year} \# -0.5)}$	
Column C	
(Column A) x (Column B)	

	Column A	Column B	Column C
	O&M	PV	O&M
Year	\$ Nominal	Factor	\$ PV
1	3,246,832	0.968004	3,142,946
2	3,341,639	0.907050	3,031,034
3	3,439,215	0.849935	2,923,108
4	3,539,640	0.796415	2,819,024
5	3,642,998	0.746266	2,718,647
6	3,749,373	0.699275	2,621,843
7	3,858,855	0.655243	2,528,487
8	3,971,534	0.613983	2,438,454
9	4,087,503	0.575321	2,351,628
10	4,206,858	0.539094	2,267,893
11	4,329,698	0.505148	2,187,140
12	4,456,125	0.473340	2,109,262
13	4,586,244	0.443534	2,034,157
14	4,720,162	0.415606	1,961,726
15	4,857,991	0.389436	1,891,875
16	4,999,844	0.364913	1,824,510
17	5,145,840	0.341935	1,759,545
18	5,296,098	0.320404	1,696,892
19	5,450,744	0.300229	1,636,471
20	5,609,906	0.281324	1,578,200
21	5,773,715	0.263609	1,522,005
22	5,942,308	0.247010	1,467,811
23	6,115,823	0.231456	1,415,546
24	6,294,405	0.216882	1,365,143
25	6,478,202	0.203225	1,316,534
26	6,667,365	0.190428	1,269,656
27	6,862,052	0.178437	1,224,447
28	7,062,424	0.167201	1,180,848
29	7,268,647	0.156673	1,138,801
30	7,480,892	0.146808	1,098,251
31	7,699,334	0.137563	1,059,146
32	7,924,154	0.128901	1,021,433
		Cumulative PV	\$ 60,602,461

Indirect Operating Cost Multiplier

Assumptions	
Revenue Requirements Life	32
O&M Expense Per Conductor Feet	\$0.17516
(\$12,029,683 / 68,678,544 = 17.516 Cents/Ft)	
O&M Annual Escalation Percent	2.92%
Discount Rate	6.72%

Calculation of In-Direct Operating Cost Multiplier	
Cumulative PV	\$ 224,535,297
divided by:	
Year-End 2014 System Conductor Feet	68,678,544
PV Operating Cost Factor	<u>3.26937</u>

Formulas	
Column A	
Year 1 = Indirect Operating Expenses Equals	\$ 12,029,683
See Page 15	
Year 2 = Year 1 \$ Nominal O&M amount x 1.0292, etc.	
Column B	
$1/(1+.0672)^{(\text{Year} \# -0.5)}$	
Column C	
(Column A) x (Column B)	

	Column A	Column B	Column C
	O&M	PV	O&M
<u>Year</u>	<u>\$ Nominal</u>	<u>Factor</u>	<u>\$ PV</u>
1	12,029,683	0.968004	11,644,780
2	12,380,950	0.907050	11,230,142
3	12,742,473	0.849935	10,830,268
4	13,114,554	0.796415	10,444,632
5	13,497,499	0.746266	10,072,728
6	13,891,626	0.699275	9,714,067
7	14,297,261	0.655243	9,368,176
8	14,714,741	0.613983	9,034,602
9	15,144,412	0.575321	8,712,905
10	15,586,628	0.539094	8,402,663
11	16,041,758	0.505148	8,103,467
12	16,510,177	0.473340	7,814,926
13	16,992,274	0.443534	7,536,658
14	17,488,449	0.415606	7,268,299
15	17,999,112	0.389436	7,009,495
16	18,524,686	0.364913	6,759,907
17	19,065,606	0.341935	6,519,205
18	19,622,322	0.320404	6,287,075
19	20,195,294	0.300229	6,063,209
20	20,784,997	0.281324	5,847,316
21	21,391,918	0.263609	5,639,109
22	22,016,562	0.247010	5,438,316
23	22,659,446	0.231456	5,244,673
24	23,321,102	0.216882	5,057,925
25	24,002,078	0.203225	4,877,826
26	24,702,939	0.190428	4,704,141
27	25,424,265	0.178437	4,536,639
28	26,166,653	0.167201	4,375,102
29	26,930,719	0.156673	4,219,317
30	27,717,096	0.146808	4,069,079
31	28,526,436	0.137563	3,924,191
32	29,359,408	0.128901	3,784,461
		Cumulative PV	<u>\$ 224,535,297</u>

**Gulf Power Company
Joint Trenching
UG Residential Distribution**

Not Applicable for Gulf

**Gulf Power Company
Year End Customers
Overhead Versus Underground
1972 - 2014**

	<u>Overhead</u>	<u>Underground</u>	<u>Total</u>
1972	150,536	6,088	156,624
1973	158,548	7,260	165,808
1974	163,310	8,432	171,742
1975	165,857	9,281	175,138
1976	170,138	10,589	180,727
1977	173,308	13,041	186,349
1978	177,427	14,124	191,551
1979	181,130	15,605	196,735
1980 (1)	181,937	23,756	205,693
1981	187,221	26,405	213,626
1982	191,692	29,481	221,173
1983	197,457	34,293	231,750
1984	203,256	42,061	245,317
1985	208,594	49,099	257,693
1986	212,725	54,005	266,730
1987	217,208	56,336	273,544
1988	220,563	59,184	279,747
1989	223,631	61,695	285,326
1990	226,880	63,569	290,449
1991	230,755	65,476	296,231
1992	236,862	68,178	305,040
1993	242,534	71,273	313,807
1994	247,576	74,070	321,646
1995	249,649	75,465	325,114
1996	254,725	80,107	334,832
1997	260,160	85,196	345,356
1998	264,133	89,839	353,972
1999	268,218	95,333	363,551
2000	271,620	98,499	370,119
2001	274,558	101,962	376,520
2002	278,223	105,700	383,923
2003	282,068	111,790	393,858
2004	287,366	119,415	406,781
2005	292,178	116,463	408,641
2006	293,224	125,668	418,892
2007	296,371	131,292	427,663
2008 (2)	262,587	165,342	427,929
2009	259,949	168,205	428,154
2010	264,033	166,625	430,658
2011	260,478	172,058	432,536
2012	263,375	171,196	434,571
2013	264,559	174,830	439,389
2014	265,388	178,659	444,047

(1) The underground customer count increases substantially due to an error in recording overhead and underground accounts. The problem was discovered and corrected in November 1980.

(2) Implementation of Gulf's new distribution Geographic Information System (GIS) in 2008 in response to PSC Order 06-0351-PAA-EI enabled a more accurate estimate of the number of customers taking service overhead versus underground. Underground customer count represents customers served on underground lateral lines as reported with the Annual Reliability and Storm Hardening Initiatives Report.

WORKPAPERS
FOR
UNDERGROUND
SERVICE
GULF POWER COMPANY

April 1, 2015

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Typical Subdivision
 Summary of 210 Lot Subdivision
 Differential Cost

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Option	Total URD Cost Per URD Lot (\$) 210-Lot	Credits for Applicants Doing & Supplying Work	Credited URD Cost per Lot (\$) 210-LOT	Total URD Cost (\$) 210-LOT	Total Overhead Cost Per OH Lot (\$) 210-Lot	Total OH Cost (\$) 210-LOT	Differential Cost per Lot (\$) 210-LOT
1	\$2,743	\$0	\$2,743	\$576,030	\$2,341	\$491,610	\$402
2	\$2,743	\$193	\$2,550	\$535,500	\$2,341	\$491,610	\$209
3	\$2,743	\$312	\$2,431	\$510,510	\$2,341	\$491,610	\$90

Column:

- (1) Customer's choice of construction method
- (2) URD cost per lot as shown on Page 4
- (3) Credit to Applicant for doing a portion of the installation - see WP-4
- (4) Column 2 minus column 3
- (5) Column 4 multiplied by number of lots
- (6) OH cost per lot as shown on Page 4
- (7) Column 6 multiplied by number of lots
- (8) Column 4 minus column 6

Option	Digs Pri and Sec Trench	Installs Pri and Sec Duct	Provides Pri and Sec Duct	Digs Service Trench	Installs Service Duct	Installs Service Duct
1	Gulf	Gulf	Gulf	Gulf	Gulf	Gulf
2	Applicant	Applicant	Gulf	Gulf	Gulf	Gulf
3	Applicant	Applicant	Applicant	Gulf	Gulf	Gulf

Typical Subdivision
Developer Options
210 Lot Subdivision

Option	Digs Pri and Sec Trench	Installs Pri and Sec Duct	Provides Pri and Sec Duct	Digs Service Trench	Installs Service Duct	Provides Service Duct
1	Gulf	Gulf	Gulf	Gulf	Gulf	Gulf
2	Applicant	Applicant	Gulf	Gulf	Gulf	Gulf
3	Applicant	Applicant	Applicant	Gulf	Gulf	Gulf

Activity	Description	\$ COST/LOT 210-LOT	Total Cost (\$) 210 - Lot
A	Applicant trenches & installs primary & sec. duct	\$193	\$40,530
B	Applicant supplies primary and secondary duct	\$119	\$24,990
Total		\$312	\$65,520

Option	Activities Performed by the Applicant	Price / Lot Reduction (\$) 210 - Lot	Total Price Reduction (\$) 210 - Lot
1	None	\$0	\$0
2	A	\$193	\$40,530
3	A+B	\$312	\$65,520

**Reconciliation between Underground Material and Labor
210 Lot Single Family Residential and Breakdown of Credits Worksheet**

WP-5

	Service		Primary		Secondary		Transformers		Trench & Inst. 1 Duct	Trench & Inst. 2 Duct	Trench & Inst. 3 Duct	Trench & Inst. 4 Duct	Service Trenching	Stores Handling	Engineering	Total	Activity Title (2)
	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Labor	Labor	Labor	Labor	Labor				
Meters and Transformers	0	12					358	120						2	48	\$540	
Cable - Primary & Secondary			148	167	82	89								9	219	\$714	
Cable - Services	76	193												3	120	\$392	
Trench Primary And Secondary									99	31	5				58	\$193	A
Trench Service Duct - Pri and Secondary													163		72	\$235	
Material			49		24									3		\$76	B
Labor				5		2									36	\$43	B
Material														0		\$0	
Duct Service Material	70													3		\$73	
Labor		6													35	\$41	
Total (1)	\$146	\$211	\$197	\$172	\$106	\$91	\$358	\$120	\$99	\$31	\$5	\$0	\$163	\$20	\$588	\$2,307	

Notes;
(1) Ties to Page 6.
(2) Ties to Page WP-4.

Activity A Total = \$ 193
Activity B Total = \$ 119

Typical Subdivision
Summary of 176 Lot Subdivision
Differential Cost

(1) Option	(2) Total URD Cost Per URD Lot (\$) 176-Lot	(3) Credits for Applicants Doing & Supplying Work	(4) Credited URD Cost per Lot (\$) 176-LOT	(5) Total URD Cost (\$) 176-LOT	(6) Total Overhead Cost Per OH Lot (\$) 176-Lot	(7) Total OH Cost (\$) 176-LOT	(8) Differential Cost per Lot (\$) 176-LOT
1	\$2,169	\$0	\$2,169	\$381,744	\$1,648	\$290,048	\$521
2	\$2,169	\$137	\$2,032	\$357,632	\$1,648	\$290,048	\$384
3	\$2,169	\$232	\$1,937	\$340,912	\$1,648	\$290,048	\$289

Column:

- (1) Customer's choice of construction method
- (2) URD cost per lot as shown on Page 10
- (3) Credit to Applicant for doing a portion of the installation - see WP-7
- (4) Column 2 minus column 3
- (5) Column 4 multiplied by number of lots
- (6) OH cost per lot as shown on Page 10
- (7) Column 6 multiplied by number of lots
- (8) Column 4 minus column 6

Option	Digs Pri and Sec Trench	Installs Pri and Sec Duct	Provides Pri and Sec Duct	Digs Service Trench	Installs Service Duct	Installs Service Duct
1	Gulf	Gulf	Gulf	Gulf	Gulf	Gulf
2	Applicant	Applicant	Gulf	Gulf	Gulf	Gulf
3	Applicant	Applicant	Applicant	Gulf	Gulf	Gulf

Typical Subdivision
Developer Options
176 Lot Subdivision

Option	Digs Pri and Sec Trench	Installs Pri and Sec Duct	Provides Pri and Sec Duct	Digs Service Trench	Installs Service Duct	Provides Service Duct
1	Gulf	Gulf	Gulf	Gulf	Gulf	Gulf
2	Applicant	Applicant	Gulf	Gulf	Gulf	Gulf
3	Applicant	Applicant	Applicant	Gulf	Gulf	Gulf

Activity	Description	\$ COST/LOT 176-LOT	Total Cost (\$) 176 - Lot
A	Applicant trenches & installs primary & sec. duct	\$137.00	\$24,112
B	Applicant supplies primary and secondary duct	\$95.00	\$16,720
Total		\$232.00	\$40,832

Option	Activities Performed by the Applicant	Price / Lot Reduction (\$) 176 - Lot	Total Price Reduction (\$) 176 - Lot
1	None	\$0	\$0
2	A	\$137.00	\$24,112
3	A+B	\$232.00	\$40,832

**Reconciliation between Underground Material and Labor
176 Lot Single Family Residential and Breakdown of Credits Worksheet**

	Service		Primary		Secondary		Transformers		Trench &	Trench &	Trench &	Trench &	Service	Stores	Engineering	Total	Activity Title (2)
	Material	Labor	Material	Labor	Material	Labor	Material	Labor	Inst. 1 Duct Labor	Inst. 2 Duct Labor	Inst. 3 Duct Labor	Inst. 4 Duct Labor	Trenching Labor				
Meters and Transformers	0	12					305	70						1	26	\$414	
Cable - Primary & Secondary			92	105	103	107								8	183	\$598	
Cable - Services	58	167												2	100	\$327	
Trench Primary And Secondary									54	37	3	1			42	\$137	A
Trench Service Duct - Pri and Secondary													163		72	\$235	
Material			30		28									2		\$60	B
Labor				3		3									29	\$35	B
Duct Service																	
Material	54													3		\$57	
Labor		5													27	\$32	
Total (1)	\$112	\$184	\$122	\$108	\$131	\$110	\$305	\$70	\$54	\$37	\$3	\$1	\$163	\$16	\$479	\$1,895	

WP-8

Notes;
(1) Ties to Page 12.
(2) Ties to Page WP-7.

Activity A Total = \$ 137
Activity B Total = \$ 95

Tariff Sheets



Section No. IV
 Thirteenth Revised Sheet No. 4.25
 Canceling Twelfth Revised Sheet No. 4.25

PAGE	EFFECTIVE DATE
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6.2.8 DAMAGE TO COMPANY'S EQUIPMENT. The Applicant shall be responsible to ensure that the Company's distribution facilities once installed, are not damaged, destroyed, or otherwise disturbed during the construction of the project. This responsibility shall extend not only to those in his employ, but also to his subcontractors. Should damage occur, the Applicant shall be responsible for the full cost of repairs.

6.2.9 PAYMENT OF CHARGES. The Company shall not be obligated to install any facilities until payment of applicable charges, if any, has been completed.

**6.3 UNDERGROUND DISTRIBUTION FACILITIES FOR
 NEW RESIDENTIAL SUBDIVISIONS**

6.3.1 AVAILABILITY. After receipt of proper application and compliance by the Applicant with applicable Company rules and procedures, the Company will install underground distribution facilities to provide single phase service to new residential subdivisions of five (5) or more building lots.

6.3.2 CONTRIBUTION BY APPLICANT.

(a) Prior to such installations, the Applicant and the Company will enter into an agreement outlining the terms and conditions of installation, and the Applicant will be required to pay the Company in advance the entire cost as described below:

<u>Option</u>	<u>Low Density Subdivision (\$ per lot)</u>	<u>High Density Subdivision (\$ per lot)</u>
1. Gulf supplies and installs all primary, secondary, and service trench, duct, and cable.	\$402	\$521
2. Applicant installs primary and secondary trench and duct system. Gulf supplies primary and secondary duct and supplies and installs service duct. Gulf supplies and installs primary, secondary, and service cable.	\$209	\$384
3. Applicant supplies and installs primary and secondary trench and duct. Gulf supplies primary and secondary cable. Gulf supplies and installs service duct and cable.	\$90	\$289

All construction done by the Applicant must meet the Company's specifications. All installations must be approved by the Company's authorized representative.

(b) The Applicant is required to pay a charge per foot and a cost differential for transformers and services (see "Three Phase Lift Station" charts below) for three phase commercial loads requiring 120/240 volt open delta, 120/208 volt wye, or 277/480 volt wye service in new residential subdivisions for each three phase service. This average cost will be added to the advanced payment in 6.3.2(a) above.



Section No. IV
 Seventeenth Revised Sheet No. 4.26
 Canceling Sixteenth Revised Sheet No. 4.26

PAGE	EFFECTIVE DATE
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6.3.2 (continued)

**THREE PHASE LIFT STATION
 COSTS TO PROVIDE 3 PH SVC TO LIFT STATION W/IN TYPICAL SUBDIVISION - OPTION 1**

CUSTOMER REQUEST: 120/208 or 277/480

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$21.85 per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$15.30 per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$8.98 per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$10.81 per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$4.50 per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$2.42 per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service

CUSTOMER REQUEST: 120/240 OPEN DELTA

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$11.04 per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$2.08 per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$2.08 per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service

ISSUED BY: S. W. Connally, Jr.

PAGE	EFFECTIVE DATE
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6.3.2 (continued)

**THREE PHASE LIFT STATION
COSTS TO PROVIDE 3 PH SVC TO LIFT STATION W/IN TYPICAL SUBDIVISION - OPTION 2**

CUSTOMER REQUEST: 120/208 or 277/480

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$21.14 per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$14.90 per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$8.26 per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$10.43 per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$3.79 per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$2.03 per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service

CUSTOMER REQUEST: 120/240 OPEN DELTA

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$10.71 per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$1.75 per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$1.75 per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service

ISSUED BY: S. W. Connally, Jr.

PAGE	EFFECTIVE DATE
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6.3.2 (continued)

**THREE PHASE LIFT STATION
COSTS TO PROVIDE 3 PH SVC TO LIFT STATION W/IN TYPICAL SUBDIVISION - OPTION 3**

CUSTOMER REQUEST: 120/208 or 277/480

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$18.61 per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$13.64 per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$5.73 per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$9.16 per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$1.26 per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$0.77 per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service

CUSTOMER REQUEST: 120/240 OPEN DELTA

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$9.44 per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$0.49 per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$0.49 per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service

ISSUED BY: S. W. Connally, Jr.

PAGE	EFFECTIVE DATE
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6.5 OTHER UNDERGROUND DISTRIBUTION FACILITIES

6.5.1 APPLICABILITY. This subpart applies to requests for underground facilities addressing the conversion of existing overhead facilities. In order for the Company to take action pursuant to a request for conversion:

- (1) the conversion area must be at least two contiguous city blocks or 1000 feet in length;
- (2) all electric services to the real property on both sides of the existing overhead primary lines must be part of the conversion; and
- (3) all other existing overhead utility facilities (e.g. telephone, CATV, etc.) must also be converted to underground facilities.

6.5.2 NON-BINDING COST ESTIMATES. An Applicant may obtain a non-binding estimate of the charges the Applicant would be obligated to pay in order for the Company to provide underground distribution facilities. This non-binding estimate will be provided to the Applicant without any charge or fee upon completion of the Application for Underground Cost Estimate set forth in Section VII of this tariff, Standard Contract Forms, at Sheet No. 7.43.

6.5.3 BINDING COST ESTIMATES. An Applicant, upon payment of a non-refundable deposit and completion of the Application for Underground Cost Estimate set forth in Section VII of this tariff, Standard Contract Forms, at Sheet No. 7.43, may obtain an estimate of the charges for underground distribution facilities, which estimate the Company would be bound to honor as provided below. The deposit amount, which approximates the engineering costs for underground facilities associated with preparing the requested estimate, shall be calculated as follows:

<u>Conversion</u>	
Urban Commercial	\$4,640 per overhead primary mile
Urban Residential	\$7,554 per overhead primary mile
Rural Residential	\$6,130 per overhead primary mile
210 Lot Subdivision	\$5,814 per overhead primary mile
176 Lot Subdivision	\$10,166 per overhead primary mile

Legislative Format



Section No. IV
~~Twelfth-Thirteenth~~ Revised Sheet No. 4.25
 Canceling ~~Eleventh-Twelfth~~ Revised Sheet No. 4.25

PAGE	EFFECTIVE DATE October 2, 2012
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- 6.2.8 DAMAGE TO COMPANY'S EQUIPMENT. The Applicant shall be responsible to ensure that the Company's distribution facilities once installed, are not damaged, destroyed, or otherwise disturbed during the construction of the project. This responsibility shall extend not only to those in his employ, but also to his subcontractors. Should damage occur, the Applicant shall be responsible for the full cost of repairs.
- 6.2.9 PAYMENT OF CHARGES. The Company shall not be obligated to install any facilities until payment of applicable charges, if any, has been completed.

6.3 UNDERGROUND DISTRIBUTION FACILITIES FOR
NEW RESIDENTIAL SUBDIVISIONS

- 6.3.1 AVAILABILITY. After receipt of proper application and compliance by the Applicant with applicable Company rules and procedures, the Company will install underground distribution facilities to provide single phase service to new residential subdivisions of five (5) or more building lots.
- 6.3.2 CONTRIBUTION BY APPLICANT.
 (a) Prior to such installations, the Applicant and the Company will enter into an agreement outlining the terms and conditions of installation, and the Applicant will be required to pay the Company in advance the entire cost as described below:

<u>Option</u>	<u>Low Density Subdivision (\$ per lot)</u>	<u>High Density Subdivision (\$ per lot)</u>
1. Gulf supplies and installs all primary, secondary, and service trench, duct, and cable.	<u>\$427402</u>	<u>\$458521</u>
2. Applicant installs primary and secondary trench and duct system. Gulf supplies primary and secondary duct and supplies and installs service duct. Gulf supplies and installs primary, secondary, and service cable.	<u>\$256209</u>	<u>\$338384</u>
3. Applicant supplies and installs primary and secondary trench and duct. Gulf supplies primary and secondary cable. Gulf supplies and installs service duct and cable.	<u>\$15590</u>	<u>\$258289</u>

All construction done by the Applicant must meet the Company's specifications. All installations must be approved by the Company's authorized representative.

- (b) The Applicant is required to pay a charge per foot and a cost differential for transformers and services (see "Three Phase Lift Station" charts below) for three phase commercial loads requiring 120/240 volt open delta, 120/208 volt wye, or 277/480 volt wye service in new residential subdivisions for each three phase service. This average cost will be added to the advanced payment in 6.3.2(a) above.



Section No. IV
~~Sixteenth-Seventeenth~~ Revised Sheet No. 4.26
 Canceling ~~Fifteenth-Sixteenth~~ Revised Sheet No. 4.26

PAGE	EFFECTIVE DATE October 2, 2012
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6.3.2 (continued)

**THREE PHASE LIFT STATION
 COSTS TO PROVIDE 3 PH SVC TO LIFT STATION W/IN TYPICAL SUBDIVISION - OPTION 1**

CUSTOMER REQUEST: 120/208 or 277/480

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$ 20.45 <u>21.85</u> per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$ 14.39 <u>15.30</u> per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$ 8.07 <u>8.98</u> per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$ 10.18 <u>10.81</u> per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$ 3.87 <u>4.50</u> per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$ 2.02 <u>2.42</u> per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service

CUSTOMER REQUEST: 120/240 OPEN DELTA

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$ 10.27 <u>11.04</u> per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$ 1.85 <u>2.08</u> per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$ 1.85 <u>2.08</u> per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service

ISSUED BY: ~~Mark Crosswhite~~ S. W. Connally, Jr.

PAGE	EFFECTIVE DATE October 2, 2012
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6.3.2 (continued)

**THREE PHASE LIFT STATION
 COSTS TO PROVIDE 3 PH SVC TO LIFT STATION W/IN TYPICAL SUBDIVISION - OPTION 2**

CUSTOMER REQUEST: 120/208 or 277/480

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$19,8321.14 per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$14,0714.90 per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$7,418.26 per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$9,8710.43 per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$3,203.79 per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$1,662.03 per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service

CUSTOMER REQUEST: 120/240 OPEN DELTA

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$9,0710.71 per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$1,551.75 per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$1,551.75 per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service

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PAGE	EFFECTIVE DATE October 2, 2012
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6.3.2 (continued)

THREE PHASE LIFT STATION

COSTS TO PROVIDE 3 PH SVC TO LIFT STATION W/IN TYPICAL SUBDIVISION - OPTION 3

CUSTOMER REQUEST: 120/208 or 277/480

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$ 17.74 18.61 per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$ 13.03 13.64 per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$ 5.325 5.73 per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$ 8.829 9.16 per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$ 1.11 1.26 per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$ 0.64 0.77 per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service	\$0 cost per ft plus 3ph padmount tx, pad, and ug service minus 3 oh transformers, 3 cutouts, 3 arresters, cluster mt, and service

CUSTOMER REQUEST: 120/240 OPEN DELTA

MOTOR SIZE	AVAILABLE UNDERGROUND FACILITIES		
	SINGLE PHASE	TWO PHASES	THREE PHASES
< 5HP	\$ 8.929 9.44 per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus one oh transformer, cutout, arrester, and service
5HP < X < 25HP	\$ 0.590 0.49 per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service
> 25HP	\$ 0.590 0.49 per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service	\$0 cost per ft plus 2 padmount tx, 2 pads, and ug service minus 2 oh transformers, 2 cutouts, 2 arresters, and service

ISSUED BY: ~~Mark Crosswhite~~ **S. W. Connally, Jr.**



Section No. IV
~~Eighth-Ninth~~ Revised Sheet No. 4.28
 Canceling ~~Seventh-Eighth~~ Revised Sheet No. 4.28

PAGE	EFFECTIVE DATE
	May 29, 2007

6.5 OTHER UNDERGROUND DISTRIBUTION FACILITIES

6.5.1 APPLICABILITY. This subpart applies to requests for underground facilities addressing the conversion of existing overhead facilities. In order for the Company to take action pursuant to a request for conversion:

- (1) the conversion area must be at least two contiguous city blocks or 1000 feet in length;
- (2) all electric services to the real property on both sides of the existing overhead primary lines must be part of the conversion; and
- (3) all other existing overhead utility facilities (e.g. telephone, CATV, etc.) must also be converted to underground facilities.

6.5.2 NON-BINDING COST ESTIMATES. An Applicant may obtain a non-binding estimate of the charges the Applicant would be obligated to pay in order for the Company to provide underground distribution facilities. This non-binding estimate will be provided to the Applicant without any charge or fee upon completion of the Application for Underground Cost Estimate set forth in Section VII of this tariff, Standard Contract Forms, at Sheet No. 7.43.

6.5.3 BINDING COST ESTIMATES. An Applicant, upon payment of a non-refundable deposit and completion of the Application for Underground Cost Estimate set forth in Section VII of this tariff, Standard Contract Forms, at Sheet No. 7.43, may obtain an estimate of the charges for underground distribution facilities, which estimate the Company would be bound to honor as provided below. The deposit amount, which approximates the engineering costs for underground facilities associated with preparing the requested estimate, shall be calculated as follows:

<u>Conversion</u>	
Urban Commercial	\$2,274.004,640 per overhead primary mile
Urban Residential	\$3,702.007,554 per overhead primary mile
Rural Residential	\$3,004.006,130 per overhead primary mile
210 Lot Subdivision	\$2,849.005,814 per overhead primary mile
176 Lot Subdivision	\$4,982.0010,166 per overhead primary mile