

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Petition for approval of ) DOCKET NO. 930218-EI  
annual underground residential ) ORDER NO. PSC-93-0712-FOF-EI  
distribution tariff revisions by ) ISSUED: 5/10/93  
Gulf Power Company, Tampa )  
Electric Company, Florida Power )  
& Light Company, Florida Power )  
Corporation and Florida Public )  
Utilities Company. )  
\_\_\_\_\_ )

The following Commissioners participated in the disposition of this matter:

J. TERRY DEASON, Chairman  
THOMAS M. BEARD  
SUSAN F. CLARK  
JULIA L. JOHNSON

ORDER APPROVING URD TARIFFS FILED BY  
FPL, FPC, TECO, GULF & FPUC

BY THE COMMISSION:

Pursuant to Section 366.06(4), Florida Statutes, and Rules 25-6.033, 25-6.078, and 25-6.115, Florida Administrative Code, Florida Power and Light Company (FPL), Florida Power Corporation (FPC), Tampa Electric Company (TECO), Gulf Power Company (Gulf), and Florida Public Utilities Company (FPUC) filed annual tariffs and charges associated with the installation of underground residential distribution (URD) service. The cost of standard overhead service is recovered in the base rates paid by all customers, whereas the additional cost incurred in providing underground service is recovered from the applicant requesting underground service. These tariffs are the first tariffs filed pursuant to the Commission's new underground distribution rules which were implemented September 21, 1992. One feature of the new rules is that the utilities are now required to provide applicants with a binding cost estimate for the cost of underground installation.

We have reviewed the annual updated tariff sheets and charges filed by FPL, FPC, TECO, Gulf, and FPUC, and we believe they meet the requirements of Rules 25-6.033, 25-6.078, and 25-6.115, Florida Administrative Code, as they relate to the installation of underground electric distribution facilities to serve new residential subdivision customers. We note that this is the first year that FPUC submitted an URD tariff. In addition, we note that the charges related to other underground services offered by FPL have been modified by the company to reflect current costs. The

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updated tariff sheets include the following per lot cost differentials:

<u>RESIDENTIAL SUBDIVISIONS</u>	<u>FPC</u>	<u>FPL</u>	<u>TECO</u>	<u>GULF</u>
A. Single Family	\$286.41	\$260.77	\$396.31	\$319.71
B. Mobile Home Park				
-Individual Meters	\$174.03	\$161.57	\$304.44	\$245.79
C. Mobile Home Park				
-Ganged Meters	\$ 55.51	\$ 0.00	-	-

A detailed derivation of these costs is shown on Schedules 1 and 3 attached to this order.

Rule 25-6.115 also establishes formulas to use in determining the charges for a binding cost estimate. These charges are designed to recover the costs incurred by the utility in developing the engineering data necessary to construct the requested facilities. This is the first year that we required investor-owned utilities to submit standardized cost information concerning charges associated with a binding cost estimate. If an applicant executes a contract with a utility within 180 days of paying the binding cost estimate fee, the applicant is not liable for charges in excess of 110% of the binding cost estimate. The amount paid for the binding cost estimate is treated as a credit to the total amount due for the overhead/underground differential charge. The fees required to obtain a binding cost estimate are shown on Schedule 5 attached to this order. We have reviewed FPL, FPC, TECO, Gulf, and FPUC's fees associated with obtaining a binding cost estimate, and we believe they are in accordance with Rule 25-6.115, Florida Administrative Code.

We have reviewed the annual updated tariff sheets, charges, and supporting data filed by FPL, FPC, TECO, Gulf, and FPUC. The changes in the overhead and underground differentials proposed for 1993 appear to be reasonable. Most reflect either modest increases or decreases from prior years. Accordingly, we approve the annual tariffs submitted by Florida's investor-owned utilities filed pursuant to Section 366.06(4), Florida Statutes, and Rules 25-6.033, 25-6.078, and 25-6.115, Florida Administrative Code.

The tariffs filed by FPC, TECO, Gulf, and FPUC shall become effective May 10, 1993. FPL's tariffs shall become effective within 30 days of the issuance date of this order. If a timely protest is filed, the tariffs shall remain in effect with any

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increases in revenues stemming from these tariffs held subject to refund pending resolution of the protest.

It is, therefore,

ORDERED by the Florida Public Service Commission that the tariffs filed by Florida Power and Light Company, Florida Power Corporation, Tampa Electric Company, Gulf Power Company, and Florida Public Utilities Company pursuant to Section 366.06(4), Florida Statutes, and Rules 25-6.033, 25-6.078, and 25-6.115, Florida Administrative Code, are hereby approved. It is further

ORDERED that the tariffs filed by Florida Power Corporation, Tampa Electric Company, Gulf Power Company, and Florida Public Utilities Company shall become effective May 10, 1993. It is further

ORDERED that the tariffs filed by Florida Power and Light Company shall become effective within 30 days of the issuance of this order. It is further

ORDERED that if a protest is filed in accordance with the requirement set forth below, the tariff shall remain in effect with any increase in revenues held subject to refund pending resolution of the protest. It is further

ORDERED that if no protest is filed in accordance with the requirement set forth below, this docket shall be closed.

By ORDER of the Florida Public Service Commission, this 10th day of May, 1993.

  
\_\_\_\_\_  
STEVE TRIBBLE, Director  
Division of Records and Reporting

( S E A L )

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NOTICE OF FURTHER PROCEEDINGS OR JUDICIAL REVIEW

The Florida Public Service Commission is required by Section 120.59(4), Florida Statutes, to notify parties of any administrative hearing or judicial review of Commission orders that is available under Sections 120.57 or 120.68, Florida Statutes, as well as the procedures and time limits that apply. This notice should not be construed to mean all requests for an administrative hearing or judicial review will be granted or result in the relief sought.

The Commission's decision on this tariff is interim in nature and will become final, unless a person whose substantial interests are affected by the action proposed files a petition for a formal proceeding, as provided by Rule 25-22.036(4), Florida Administrative Code, in the form provided by Rule 25-22.036(7)(a)(d) and (e), Florida Administrative Code. This petition must be received by the Director, Division of Records and Reporting at his office at 101 East Gaines Street, Tallahassee, Florida 32399-0870, by the close of business on June 1, 1993.

In the absence of such a petition, this order shall become final on the day subsequent to the above date.

Any objection or protest filed in this docket before the issuance date of this Order is considered abandoned unless it satisfies the foregoing conditions and is renewed within the specified protest period.

If this Order becomes final on the date described above, any party adversely affected may request judicial review by the Florida Supreme Court in the case of an electric, gas or telephone utility or by the First District Court of Appeal in the case of a water or wastewater utility by filing a notice of appeal with the Director, Division of Records and Reporting and filing a copy of the notice of appeal and the filing fee with the appropriate court. This filing must be completed within thirty (30) days of the date this Order becomes final, pursuant to Rule 9.110, Florida Rules of Appellate Procedure. The notice of appeal must be in the form specified in Rule 9.900(a), Florida Rules of Appellate Procedure.

1992 AND 1993 PER LOT COSTS  
OVERHEAD, UNDERGROUND AND DIFFERENTIAL COSTS  
SINGLE FAMILY DWELLING (LOW DENSITY)

SCHEDULE 1  
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	FPC(a)			FPL			TECO(e)			GULF(d)		
	1992	1993	% Increase	1992 (b)	1993 (c)	% Increase	1992	1993	% Increase	1992	1993	% Increase
<u>OVERHEAD COST</u>												
MATERIAL	\$343.00	\$326.86	-4.94%	\$428.41	\$392.58	-9.13%	\$343.23	\$349.71	1.85%	\$363.04	\$419.25	13.41%
LABOR	\$182.75	\$186.92	2.23%	\$334.23	\$371.32	9.99%	\$257.12	\$266.63	3.57%	\$239.65	\$287.79	16.73%
TOTAL	\$525.75	\$513.78	-2.33%	\$762.64	\$763.90	0.16%	\$600.35	\$616.34	2.59%	\$602.69	\$707.04	14.76%
<u>UNDERGROUND</u>												
MATERIAL	\$438.37	\$422.84	-3.67%	\$590.42	\$477.46	-23.66%	\$447.82	\$464.30	3.55%	\$465.07	\$482.31	3.57%
LABOR	\$372.75	\$377.35	1.22%	\$501.58	\$547.21	9.34%	\$527.70	\$540.35	3.77%	\$450.83	\$544.44	19.72%
TOTAL	\$811.12	\$800.19	-1.37%	\$1,092.00	\$1,024.67	-6.57%	\$975.52	\$1,004.65	3.67%	\$923.90	\$1,026.75	10.92%
<u>DIFFERENTIAL COST</u>												
MATERIAL	\$95.37	\$95.98	0.64%	\$162.01	\$84.88	-90.87%	\$104.59	\$114.59	9.73%	\$102.03	\$63.08	-61.80%
LABOR	\$180.00	\$180.43	0.23%	\$167.35	\$175.89	4.66%	\$270.38	\$291.72	7.95%	\$219.18	\$256.63	14.69%
TOTAL	\$285.37	\$286.41	0.36%	\$329.36	\$260.77	-29.30%	\$375.17	\$396.31	5.33%	\$321.21	\$319.71	-0.47%

Notes:

- (a) To subdivisions with a density of 1.0 but less than 6 dwelling units per acre.  
 (b) To subdivisions with a density of 0.5 to 6 units per acre (excludes multiple occupancy buildings).  
 (c) To subdivisions with a density of 0.5 to 6 units per acre (excludes multiple occupancy buildings greater than 4 units per service lateral).  
 (d) To subdivisions with a density of 1.5 to 6 dwelling units per acre.

1992 AND 1993 PER LOT COSTS  
OVERHEAD, UNDERGROUND AND DIFFERENTIAL COSTS  
MOBILE HOME PARK (HIGH DENSITY) - INDIVIDUAL METERS

SCHEDULE I  
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	FPC(a)			FPL(b)			TECO(a)			GULF(a)		
	1992	1993	% Increase	1992	1993	% Increase	1992	1993	% Increase	1992	1993	% Increase
<b>OVERHEAD COST</b>												
MATERIAL	\$296.95	\$285.44	-4.03%	\$352.46	\$324.77	-8.53%	\$272.23	\$282.54	3.65%	\$314.00	\$360.98	13.01%
LABOR	\$148.98	\$152.78	2.49%	\$262.47	\$291.69	9.99%	\$204.34	\$211.76	3.50%	\$189.47	\$237.22	13.36%
TOTAL	\$445.93	\$438.22	-1.76%	\$614.93	\$616.38	0.23%	\$476.57	\$494.30	3.59%	\$513.47	\$598.20	13.15%
<b>UNDERGROUND</b>												
MATERIAL	\$347.99	\$338.38	-2.84%	\$507.62	\$400.48	-26.75%	\$358.87	\$372.92	3.77%	\$423.10	\$441.20	4.10%
LABOR	\$279.84	\$273.87	1.11%	\$353.68	\$377.45	6.30%	\$400.37	\$425.82	5.98%	\$365.91	\$395.79	7.55%
TOTAL	\$619.83	\$612.25	-1.07%	\$861.30	\$777.93	-10.71%	\$759.24	\$798.74	4.95%	\$789.01	\$836.99	5.73%
<b>DIFFERENTIAL COST</b>												
MATERIAL	\$51.04	\$52.94	3.59%	\$155.16	\$75.71	-104.94%	\$86.64	\$90.38	4.14%	\$109.10	\$80.22	-36.00%
LABOR	\$121.88	\$121.09	-0.64%	\$91.19	\$85.88	-6.21%	\$196.03	\$214.06	8.42%	\$169.44	\$165.57	-0.53%
TOTAL	\$172.92	\$174.03	0.65%	\$246.35	\$161.57	-52.47%	\$282.67	\$304.44	7.15%	\$278.54	\$245.79	-12.10%

**Notes:**

(a) To subdivisions with a density of 6 or more dwelling units per acre.

(b) To subdivisions with a density of 6 or more dwelling units per acre. (Excludes multiple occupancy buildings greater than 4 units per service lateral).

1992 AND 1993 PER LOT COSTS  
 OVERHEAD, UNDERGROUND AND DIFFERENTIAL COSTS  
 MOBILE HOME PARK (HIGH DENSITY) - GANGED METERS

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	FPG			FPL		
	1992 (a)	1993 (b)	% Increase	1992 (a)	1993 (c)	% Increase
OVERHEAD COST						
MATERIAL	\$262.76	\$254.97	-3.06%	\$313.13	\$288.71	-8.46%
LABOR	\$107.84	\$110.53	2.43%	\$214.34	\$238.13	9.99%
TOTAL	\$370.60	\$365.50	-1.40%	\$527.47	\$526.84	-0.12%
UNDERGROUND						
MATERIAL	\$266.83	\$256.15	-4.17%	\$429.04	\$319.97	-34.09%
LABOR	\$160.40	\$164.88	2.87%	\$208.01	\$207.63	-0.18%
TOTAL	\$427.23	\$421.01	-1.49%	\$637.05	\$527.60	-20.71%
DIFFERENTIAL COST						
MATERIAL	\$4.07	\$1.18	-244.92%	\$115.91	\$31.26	-270.79%
LABOR	\$52.62	\$54.33	3.15%	(\$6.33)	(\$30.50)	79.25%
TOTAL	\$56.69	\$55.51	-2.13%	\$109.58	\$0.76	-14318.42%

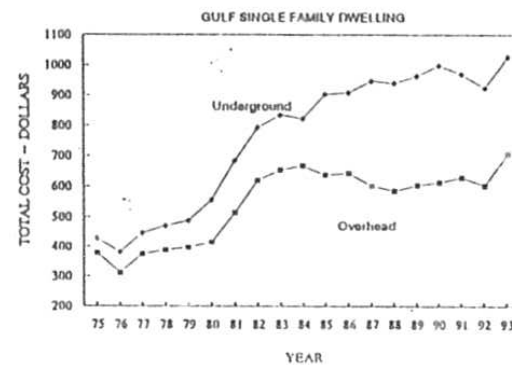
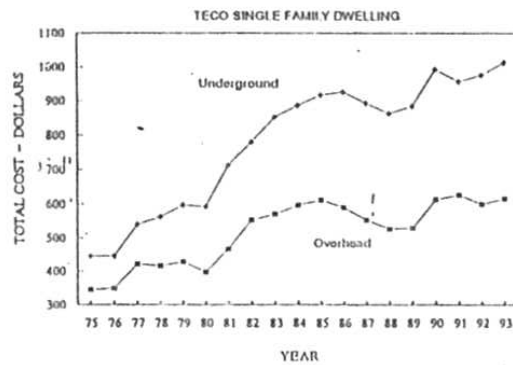
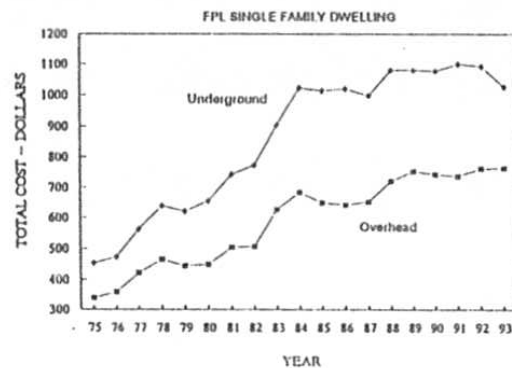
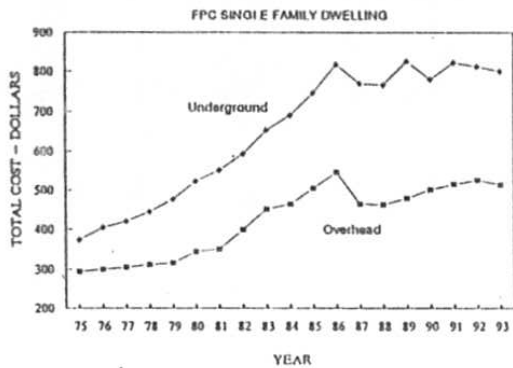
- (a) To subdivisions with a density of 6 or more dwelling units per acre taking service from a multi-unit meter center.  
 (b) To subdivisions with a density of 6 or more dwelling units per acre taking service at grouped meter pedestals on serving property line.  
 (c) To subdivisions with a density of 6 or more dwelling units per acre taking service from a multi-unit meter center installed adjacent to the primary trench route.

TOTAL OVERHEAD AND UNDERGROUND COST VS. TIME

Single Family Dwellings (Low Density)

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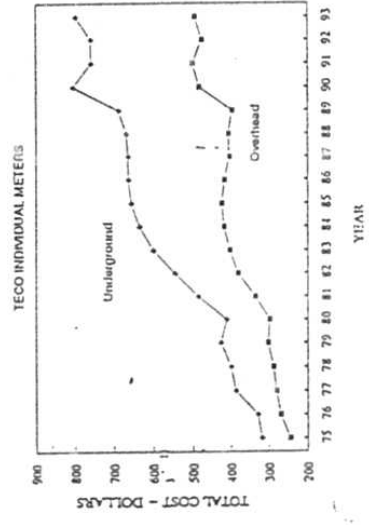
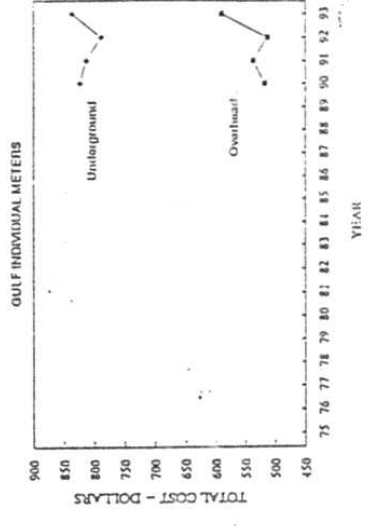
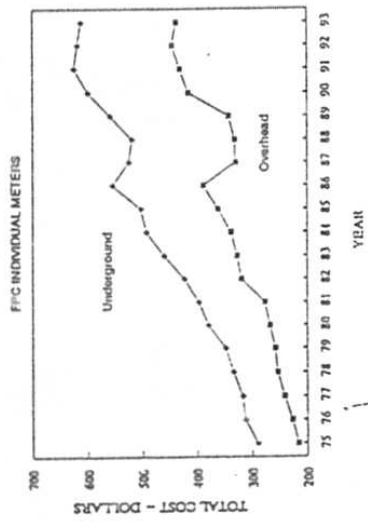
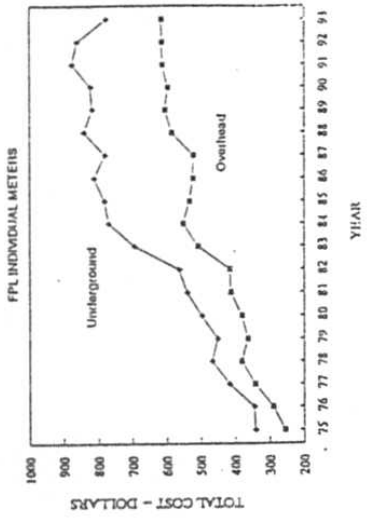
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TOTAL OVERHEAD AND UNDERGROUND COST VS. TIME  
 Mobile Home Park (High Density) - Individual Meters



TOTAL OVERHEAD AND UNDERGROUND COST VS. TIME

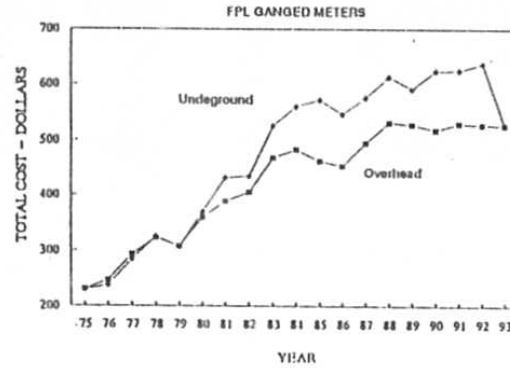
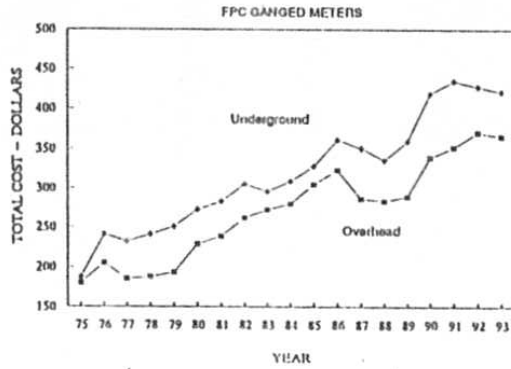
Mobile Home Park (High Density) – Ganged Meter

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ELECTRIC UTILITIES  
 OVERHEAD AND UNDERGROUND COSTS  
 1993 TOTAL COSTS

COST ITEM	1993 SINGLE FAMILY DWELLINGS (LOW DENSITY)				1993 MOBILE HOMES/CONDOMINIUMS MULTIFAMILY INDIVIDUAL METERS				1993 MOBILE HOMES/CONDOMINIUMS MULTIFAMILY MAYBID METER			
	FPC	FPL	TECO	GLRF	FPC	FPL	TECO	GLRF	FPC	FPL	TECO	GLRF
<b>DISTRIBUTION</b>												
SERVICE (H)	\$145.04	\$116.47	\$116.22	\$134.79	\$134.81	\$129.51	\$144.29	\$116.08	\$48.30	\$64.35		
PRIMARY	26.23	89.75	28.52	70.68	26.26	83.18	31.20	28.03	20.36	82.70		
SECONDARY	47.78	102.58	41.01	29.38	33.81	83.27	29.85	21.89	25.32	78.34		
RITAL TREE TRIM	14.84		29.45	11.36	14.51		8.43	11.34	13.86			
POLES	88.87	171.01	117.20	112.83	68.82	138.15	86.17	87.66	37.88	134.42		
TRANSFORMERS	133.27	87.25	177.83	258.26	122.14	82.70	124.85	229.81	127.34	84.14		
STONES (HANDLING (H))	25.13	21.83	31.78	26.81	18.82	17.05	25.68	23.26	15.81	15.80		
EMERGENCY (H)	50.72	125.09	26.42	64.04	40.42	101.05	26.42	51.23	20.45	88.89		
<b>OVERHEAD TOTAL</b>	\$512.28	\$783.90	\$816.34	\$707.04	\$438.22	\$816.36	\$484.30	\$261.20	\$305.56	\$528.84		
<b>UNDERGROUND</b>												
SERVICE (H)	\$123.12	\$297.81	\$313.21	\$159.85	\$114.83	\$227.17	\$266.25	\$160.61	\$109.78	\$43.30		
PRIMARY	104.25	190.49	183.21	179.89	48.48	135.43	114.01	113.56	47.11	170.30		
SECONDARY	131.96	78.69	39.25	108.87	65.31	42.64	29.27	71.70		65.42		
TRANSFORMERS	135.02	87.24	184.82	218.90	135.14	83.58	187.80	262.11	135.14	83.25		
TRIPOLARS												
PRIMARY & SECONDARY	111.28	90.37	135.46	100.31	74.82	81.48	87.84	83.20	74.82	58.70		
SETBACKS	66.17	108.27	88.05	115.26	64.42	77.04	43.29	82.42				
STONES (HANDLING (H))	25.80	28.80	42.21	26.18	25.58	22.31	33.90	28.73	18.12	17.82		
EMPLOYMENT (H)	87.81	168.00	44.34	107.17	82.99	128.20	44.34	78.66	28.04	87.01		
<b>UNDERGROUND TOTAL</b>	\$802.18	\$1,024.87	\$1,012.83	\$1,028.75	\$812.25	\$1,777.83	\$1,968.74	\$824.98	\$421.01	\$527.60		

UNDERGROUND	\$295.41	\$290.77	\$398.31	\$319.71	\$174.03	\$181.57	\$304.44	\$243.79	\$55.51	\$5.78
DIFFERENTIAL										

NOTE: ALL NOTES ARE REPEATED ON PAGE 3 OF 5

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ELECTRIC UTILITIES  
 OVERHEAD AND UNDERGROUND COSTS  
 SINGLE FAMILY DWELLINGS (LOW DENSITY)

1993 TOTAL COSTS

	MATERIAL (M)				LABOR (M)				TOTAL			
	FPC	FPL	TECO	GULF	FPC	FPL	TECO	GULF	FPC	FPL	TECO	GULF
<b>OVERHEAD</b>												
SERVICE (L)	\$88.27	\$72.35	\$89.26	\$90.15	\$58.77	\$72.82	\$56.83	\$44.84	\$145.04	\$148.47	\$148.22	\$124.79
PRIMARY	18.13	42.01	16.82	29.01	20.19	58.74	21.60	41.87	38.23	88.75	38.52	70.88
SECONDARY	32.61	48.95	25.68	12.04	11.87	52.83	12.03	14.24	47.78	102.26	41.01	28.28
WIND TREE TRIM					14.84	29.45	29.45	11.28	14.84	29.45	29.45	11.28
POLES	49.24	83.48	26.86	65.48	18.82	101.26	50.24	47.17	66.87	171.01	112.20	112.83
TRANSFORMERS	110.08	78.01	128.47	103.86	13.18	18.24	49.18	84.37	123.27	87.25	177.83	228.20
STOKES (AVERTING) (M)	23.13	31.85	31.78	28.81					25.13	21.85	31.78	28.81
ENGINEERING (M)		84.75			50.72	81.24	28.42	84.04	50.72	125.80	28.42	84.04
OVERHEAD TOTAL	\$328.86	\$328.58	\$398.71	\$418.25	\$188.87	\$371.32	\$266.83	\$287.78	\$512.78	\$783.90	\$818.34	\$707.04
<b>UNDERGROUND</b>												
SERVICE (M)	\$81.00	\$118.79	\$128.50	\$107.07	\$42.07	\$151.02	\$184.71	\$52.88	\$123.12	\$287.81	\$313.21	\$128.85
PRIMARY	82.45	110.70	110.08	115.81	21.80	79.78	84.23	83.28	104.25	180.49	165.21	178.98
SECONDARY	104.20	52.28	21.75	48.82	27.73	24.33	17.20	87.85	131.00	78.89	39.25	108.87
TRANSFORMERS	118.51	82.08	100.88	174.43	15.51	5.18	24.04	42.47	132.02	97.24	164.82	218.80
TRENCHING												
PRIMARY & SECONDARY SERVICES	35.80	29.80	42.21	26.18	114.28	90.37	155.48	105.31	114.28	90.37	155.48	105.31
STOKES (AVERTING) (M)		78.75			88.17	108.27	68.05	115.26	88.17	108.27	68.05	115.26
ENGINEERING (M)					87.81	90.25	44.34	107.17	35.60	28.80	42.21	26.18
UNDERGROUND TOTAL	\$428.84	\$477.68	\$484.20	\$482.31	\$377.25	\$517.21	\$548.35	\$244.44	\$800.19	\$1,028.87	\$1,012.85	\$1,028.75

OVERHEAD TOTAL	\$328.86	\$328.58	\$398.71	\$418.25	\$188.87	\$371.32	\$266.83	\$287.78	\$512.78	\$783.90	\$818.34	\$707.04
UNDERGROUND TOTAL	\$428.84	\$477.68	\$484.20	\$482.31	\$377.25	\$517.21	\$548.35	\$244.44	\$800.19	\$1,028.87	\$1,012.85	\$1,028.75
<b>GRAND TOTAL</b>	<b>\$757.70</b>	<b>\$806.26</b>	<b>\$882.91</b>	<b>\$900.56</b>	<b>\$566.12</b>	<b>\$888.53</b>	<b>\$815.18</b>	<b>\$532.22</b>	<b>\$1,312.97</b>	<b>\$1,812.77</b>	<b>\$1,831.19</b>	<b>\$1,735.79</b>

Notes: ALL NOTES ARE INDICATED ON PAGE 5 OF 5

ELECTRIC UTILITIES  
OVERHEAD AND UNDERGROUND COSTS  
MOBILE HOMES/TOWNHOUSES (HIGH DENSITY)  
INDIVIDUAL METERS

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1993 TOTAL COSTS

	MATERIAL (M)				LABOR (L)				TOTAL			
	FPC	FPL	TECO	GRF	FPC	FPL	TECO	GRF	FPC	FPL	TECO	GRF
<b>OVERHEAD</b>												
SERVICE (M)	\$80.75	\$82.85	\$89.56	\$82.07	\$54.08	\$66.91	\$58.71	\$36.01	\$134.81	\$129.51	\$148.29	\$118.08
PRIMARY	13.11	29.47	14.11	15.90	13.18	34.71	17.09	22.53	29.20	83.18	31.20	38.03
SECONDARY	25.39	42.35	18.59	8.87	8.22	40.82	12.26	11.82	33.81	83.27	28.95	21.68
INITIAL TREE TRIM					14.51		8.43	11.34	14.51		8.43	11.34
POLES	34.10	51.83	45.87	56.74	12.52	88.32	42.80	40.82	48.82	138.15	86.47	87.86
TRANSFORMERS	112.27	88.06	90.70	173.04	8.87	14.84	34.15	58.37	122.34	82.70	124.85	229.81
STORES HANDLING (M)	19.82	17.90	25.89	23.28					18.82	17.90	25.88	23.28
ENGINEERING (M)		53.58			40.42	48.09	39.42	51.23	40.42	101.85	38.42	51.23
<b>OVERHEAD TOTAL</b>	<b>\$285.44</b>	<b>\$324.77</b>	<b>\$282.54</b>	<b>\$380.98</b>	<b>\$152.78</b>	<b>\$281.59</b>	<b>\$211.78</b>	<b>\$230.22</b>	<b>\$438.22</b>	<b>\$618.36</b>	<b>\$494.30</b>	<b>\$591.20</b>
<b>UNDERGROUND</b>												
SERVICE (M)	\$75.03	\$118.50	\$123.89	\$96.30	\$38.80	\$108.87	\$174.31	\$44.02	\$114.83	\$227.17	\$298.20	\$140.41
PRIMARY	34.48	74.70	58.04	73.82	10.88	80.72	55.87	28.84	40.48	135.42	114.01	113.58
SECONDARY	78.57	30.32	13.50	33.82	18.84	12.32	15.77	37.78	85.21	42.84	28.27	71.70
TRANSFORMERS	120.72	88.80	143.54	210.54	14.42	4.89	24.31	81.57	135.14	93.58	187.80	282.11
TRENCHING												
PRIMARY & SECONDARY SERVICES					74.82	51.48	87.84	83.20	74.82	51.48	87.84	83.20
STORES HANDLING (M)	25.58	22.31	33.90	26.73	54.42	77.04	43.28	82.42	54.42	77.04	43.28	82.42
ENGINEERING (M)		88.05			82.89	82.25	44.34	78.88	82.89	128.30	44.34	78.88
<b>UNDERGROUND TOTAL</b>	<b>\$338.38</b>	<b>\$400.48</b>	<b>\$372.92</b>	<b>\$441.20</b>	<b>\$273.87</b>	<b>\$377.45</b>	<b>\$425.82</b>	<b>\$385.79</b>	<b>\$612.25</b>	<b>\$777.83</b>	<b>\$798.74</b>	<b>\$636.99</b>
<b>UNDERGROUND DIFFERENTIAL</b>	<b>\$52.94</b>	<b>\$75.71</b>	<b>\$90.38</b>	<b>\$60.22</b>	<b>\$121.09</b>	<b>\$95.86</b>	<b>\$214.08</b>	<b>\$165.57</b>	<b>\$174.03</b>	<b>\$161.57</b>	<b>\$304.44</b>	<b>\$245.79</b>

Notes: ALL NOTES ARE INDICATED ON PAGE 5 OF 5

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ELECTRIC UTILITIES  
 OVERHEAD AND UNDERGROUND COSTS  
 MOBILE HOMES/TOWNHOUSES (HIGH DENSITY)  
 GANGED METER

1993 TOTAL COSTS

	MATERIAL (M)			LABOR (L)			TOTAL		
	FPL	TECO	GRUF	FPL	TECO	GRUF	FPL	TECO	GRUF
<b>OVERHEAD</b>									
SERVICE (M)									
PRIMARY	1274	2628		1382	3441		2656	6270	
SECONDARY	1888	4081		844	2143		2532	7624	
RETIAL TEE TBA				1388			1388		
POLES	2724	4853		1082	8178		3768	12442	
TRANSFORMERS	11894	8850		1040	1484		12724	8414	
STORES (HANDLING) (M)	1581	1380					1581	1580	
ENGINEERING (M)		4782					3045	8889	
<b>OVERHEAD TOTAL</b>	\$25487	\$28871		\$11033	\$23813		\$39530	\$25284	
<b>UNDERGROUND</b>									
SERVICE (M)									
PRIMARY	89189	83107		87789	81133		100978	84533	
SECONDARY	3142	8135		868	7895		4711	10035	
TRANSFORMERS	15072	7808		1442	418		13514	8325	
TRENCHING									
PRIMARY & SECONDARY				7482	8870		7482	8870	
BENCHES									
STORES (HANDLING) (M)	1612	1762					1612	1762	
ENGINEERING (M)		5277		3804	3424		3804	8701	
<b>UNDERGROUND TOTAL</b>	\$22815	\$21887		\$18488	\$20783		\$42101	\$25780	
<b>UNDERGROUND TOTAL</b>	\$118	\$3128		\$5433	\$2958		\$5531	\$678	
<b>DIFFERENTIAL</b>									

Note: ALL NOTES ARE RECALCULATED ON PAGE 8 OF 9

ELECTRIC UTILITIES  
OVERHEAD AND UNDERGROUND COSTS

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1993 NOTES

- (a) \*MATERIAL\* - INCLUDES SALES TAX.
- (b) \*SERVICE\* -  
FPL - INCLUDES METER  
FPC, GPC & TECO - INCLUDES METER AND METER SOCKET
- (c) \*STORES HANDLING\* -  
FPC - 13% (1993, 1992) AND 11% (1991) OF ALL MATERIAL EXCEPT TRANSFORMERS AND METERS.  
FPL - 7.50% (1993), 10.02% (1992) AND 9.38% (1991) OF ALL MATERIAL EXCEPT METERS.  
- 3.75% (1993), 5.01% (1992) AND 4.69% (1991) OF METERS.  
TECO - 10% OF ALL MATERIAL. (1993, 1992 & 1991)  
GPC - 14% (1993) OF ALL MATERIAL LESS METERS AND TRANSFORMERS.  
- 14% (1992 & 1991) OF ALL MATERIAL.
- (d) \*LABOR\* - INCLUDES ADMINISTRATIVE EXPENSES, GENERAL EXPENSES AND TRANSPORTATION.
- (e) \*ENGINEERING\* -  
FPC - 15% (1993, 1992 & 1991) OF ALL MATERIAL AND LABOR EXCEPT TRANSFORMERS AND METERS.  
FPL - 19.75% (1993), 18.47% (1992) AND 15.58% (1991) OF ALL MATERIAL AND LABOR.  
TECO - LOW DENSITY  
OVERHEAD: 17% (1993), 16% (1992) AND 17% (1991) OF LABOR.  
UNDERGROUND: 9% (1993), 8% (1992) AND 10% (1991) OF LABOR.  
- HIGH DENSITY  
OVERHEAD: 23% (1993) AND 21% (1992 & 1991) OF LABOR.  
UNDERGROUND: 12% (1993), 11% (1992) AND 13% (1991) OF LABOR.  
GPC - 16.1% OF ALL MATERIAL AND LABOR FOR ENGINEERING AND OVERHEAD LESS METERS AND TRANSFORMERS (1993).  
- 19.4% OF ALL MATERIAL AND LABOR FOR ENGINEERING AND OVERHEAD. (1992, 1991)

CUMULATIVE NUMBER OF UTILITY CUSTOMERS  
 YEAR END 1986 - 1992

Schedule 4

	FPC	FPL	TECO	GULF	TOTAL
<b>A. YEAR END 1986</b>					
OVERHEAD	579,575	1,500,816	282,374	212,725	2,575,490
UNDERGROUND	489,914	1,483,889	109,811	54,005	2,137,619
TOTAL	1,069,489	2,984,705	392,185	266,730	4,713,109
% UNDERGROUND	45.8	49.7	28.0	20.2	45.4
<b>B. YEAR END 1987</b>					
OVERHEAD	585,607	1,539,035	289,079	217,208	2,630,929
UNDERGROUND	527,189	1,585,825	115,752	56,336	2,285,102
TOTAL	1,112,796	3,124,860	404,831	273,544	4,916,031
% UNDERGROUND	47.4	50.7	28.6	20.6	46.5
<b>C. YEAR END 1988</b>					
OVERHEAD	591,249	1,570,231	291,854	220,563	2,673,897
UNDERGROUND	561,196	1,680,097	122,472	59,184	2,422,949
TOTAL	1,152,445	3,250,328	414,326	279,747	5,096,846
% UNDERGROUND	48.7	51.7	29.6	21.2	47.5
<b>D. YEAR END 1989</b>					
OVERHEAD	568,234	1,600,316	264,123	223,631	2,656,304
UNDERGROUND	558,743	1,772,000	189,332	61,695	2,581,770
TOTAL	1,126,977	3,372,316	453,455	285,326	5,238,074
% UNDERGROUND	49.6	52.5	41.8	21.6	49.3
<b>E. YEAR END 1990</b>					
OVERHEAD	576,289	1,622,506	265,142	226,880	2,690,817
UNDERGROUND	616,903	1,848,883	196,355	63,569	2,725,710
TOTAL	1,193,192	3,471,389	461,497	290,449	5,416,527
% UNDERGROUND	51.7	53.3	42.5	21.9	50.3
<b>F. YEAR END 1991</b>					
OVERHEAD	578,024	1,632,984	264,682	230,755	2,706,445
UNDERGROUND	638,851	1,906,781	202,325	65,476	2,813,433
TOTAL	1,216,875	3,539,765	467,007	296,231	5,519,878
% UNDERGROUND	52.5	53.9	43.3	22.1	51.0
<b>G. YEAR END 1992</b>					
OVERHEAD	579,929	1,540,872	265,760	236,862	2,723,423
UNDERGROUND	658,282	1,951,906	208,933	68,178	2,867,299
TOTAL	1,238,211	3,592,778	474,693	305,040	5,610,722
% UNDERGROUND	53.2	54.3	44.0	22.4	51.5
<b>H. YEAR END 1991 TO 1992</b>					
<b>- PERCENT INCREASE</b>					
OVERHEAD	0.3%	0.5%	0.4%	2.6%	0.6%
UNDERGROUND	3.0%	2.4%	3.3%	4.1%	2.6%
TOTAL	1.8%	1.5%	1.6%	3.0%	1.6%

Notes:

- (a) FPL includes inactive meters and outdoor lighting. Many of the underground systems are supplied by overhead feeders and laterals.  
 (b) TECO's year end 1984-1988 overhead customers included all banked multi-family meters served underground. For 1989, these banked multi-family meters were included as underground customers, and inactive meters were not counted as customers.



ELECTRIC UTILITIES  
 NON-REFUNDABLE  
 BINDING COST ESTIMATE FEES for 1993

FACILITY CLASSIFICATION	FEE per MILE				
	FPC	FPL	TECO	GULF	FPU
<u>New Construction</u>					
Urban Commercial	\$2,585		\$3,200	\$1,099	\$2,218
Urban Residential	\$1,938		\$3,200	\$825	\$1,531
Rural Residential	\$1,477		\$1,800	\$1,259	\$1,162
All Cases (a)		\$3,960			
<u>Conversions</u>					
Urban Commercial	\$3,692		\$5,300	\$2,247	\$3,432
Urban Residential	\$3,046		\$5,300	\$3,658	\$2,693
Rural Residential	\$2,215		\$3,100	\$2,968	\$1,954
All Cases (a)		\$6,336			

FACILITY CLASSIFICATION	FEE per LOT				
	FPC	FPL(a)	TECO	GULF(b)	FPU
<u>Conversions</u>					
Low Density Subdivision	\$13		\$25	\$31	\$11
High Density Subdivision	\$12		\$25	\$29	\$10

Notes:

- \* Binding cost estimate fees are recognized as a credit if the applicant enters into a construction contract within 180 days from receipt of binding cost estimate.
- (a) FPL does not require a fee for less than 250 pole line feet. Conversion fees are based on \$1.20/ft for all conversion cases. New construction fees are based on \$0.75/ft for all new construction cases.
- (b) Gulfs per lot fees for low density subdivisions : 160 manhours x \$43.29 hourly rate / 226 lots.  
 high density subdivisions : 116 manhours x \$43.29 hourly rate / 176 lots.