ORLANDO UTILITIES COMMISSION



CALENDAR 2019 STORM HARDENING REPORT

PURSUANT TO FLORIDA PUBLIC SERVICE COMMISSION RULE 25-6.0343

Orlando Utilities Commission
Florida Public Service Commission Pursuant to
Rule 25-6.0343, F.A.C.
Calendar Year 2019

1) Introduction

Orlando Utilities Commission

100 West Anderson Street, Orlando, FL 32801

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2) Number of meters served in calendar year 2019

Orlando Utilities Commission served 249,933 electric meters in the cities of Orlando and St. Cloud and surrounding Orange and Osceola counties as of December 31, 2019.

3) Standards of Construction

a) National Electric Safety Code Compliance

The Orlando Utilities Commission (OUC) complies with the construction standards, policies, guidelines, practices, and procedures directed within the National Electrical Safety Code (ANSI C-2) [NESC]. For electrical facilities constructed on or after February 1, 2007, the 2007 NESC applies. The edition of the NESC in effect at the time of the facility's initial construction governs electrical facilities constructed prior to February 1, 2007.

b) Extreme Wind Loading Standards

Construction standards, policies, guidelines, practices, and procedures at the Orlando Utilities Commission are guided by the extreme wind loading standards specified by Figure 250-2(d) of the 2002 edition of the NESC for 1) new construction; 2) major planned work, including expansion, rebuild, or relocation of existing facilities, assigned on or after December 10, 2006; and 3) targeted critical infrastructure facilities and major thoroughfares.

OUC has verified that all future construction will meet the NESC requirements with particular focus on the extreme wind loading standards.

c) Flooding and Storm Surges

The Orlando Utilities Commission service territory is not within a coastal area, and therefore, not subject to storm surges or wide-spread significant flooding.

d) Safe and Efficient Access of New and Replacement Distribution Facilities

Electrical construction standards, policies, guidelines, practices, and procedures at OUC provide for placement of new and replacement distribution facilities so as to facilitate safe and efficient access for installation and maintenance.

Since the 1980's, the Orlando Utilities Commission has been installing underground and overhead distribution along property frontage corridors. This gives efficient and safer access to these facilities. OUC provides vegetation maintenance and replacement of aged equipment to ensure an efficient, safe, & robust system for all OUC facilities including existing rear lot installations.

e) Attachments by Others

Electrical construction standards, policies, guidelines, practices, and procedures at the Orlando Utilities Commission include contractual agreement to enable attachment by others. These contracts state that attachments must adhere to the guidelines of the NESC and all governmental authorities that have jurisdiction.

4) Facility Inspections

a) Policies, guidelines, practices, and procedures for inspecting transmission and distribution lines, poles, and structures.

Summary

Orlando Utilities Commission (OUC) has maintained an active pole inspection and replacement program with records dating back to 1990. We currently uphold an eight-year quadrant based inspection cycle along with annual inspections targeting essential distribution and transmission equipment. Shared transmission structures are inspected and maintained by OUC based on past inspection date.

Distribution and Transmission pole inspection replacements are tracked through an existing maintenance work order database to insure timely replacement.

Inspection Procedures

Visual inspection shall be made of all poles from the ground line to the top before any other inspection. Visual inspection shall include: type of wood, original treatment, circumference, and age of pole, (if it can be determined), height, obvious splits, woodpecker holes, and any other physical damages to the pole. Also a visual check within the limitations of the inspector's expertise, is to be made at such time of the attachments to the pole being inspected for obvious conditions that appear improper, such as slack guy wires, slack overhead conductors, broken insulators, leaking transformers, missing guy guards, rotten cross arms, loose or faulty equipment, abandoned poles, etc.

Excavation

Earth shall be removed from the entire circumference of the pole to a minimum depth of 18 inches below ground line. Width of the hole shall be 4 inches clearance for the pole surface at the bottom and 10 inches at the ground line.

Poles with electric risers should not be excavated, but should be inspected by sounding, boring and fumigating.

Sounding and Boring

The pole must be sounded from the ground line to a minimum of six feet above the ground line. Sounding shall be done on all four sides of the pole to locate any shell rot or rot pockets on the side.

Sounding shall be done with an approved hammer that leaves a distinctive hammer pattern. If there is evidence of possible interior voids or rot, at least one boring shall be made where a void is indicated. If rot or voids are detected, several borings shall be made per rot or void location and a shell gauge shall be used to determine the extent of all voids or rot. In any event at least two borings shall be made at the ground line to check for rot.

Poles set in concrete or pavement shall be bored at least twice at opposite sides at the ground line down at a 45-degree angle into the pole and the boring sample checked for rot or voids.

Removal of Exterior Decay

All exterior decay must be removed where possible, from 18 inches below the ground line to 3 inches above ground line. The rotted wood is to be removed from the premises and deposed of in a proper manner.

Evaluation of Pole Condition

After the sounding and boring has been performed and all exterior decay has been removed, the effective circumference of the pole, from 18 inches below the ground line to 15 inches above the ground line, is to be determined.

Internal Treatment

All sound poles are internally treated if any specific voids of specific internal decay pockets are found. This should involve a sufficient number of bored 3/8 inch holes and the preservative is applied under at least 50 psi of pressure. Internal pole treatment also utilizes MITC-Fume or and OUC approved fumigant.

Ground Line Treatment

All poles not previously rejected are covered from 18 inches below the ground line to 3 inches above the ground line by an OUC approved preservative and moisture barrier film. Preservative treatment penetrates a minimum of two inches into the pole. Long-term treatment retention studies are kept to assure future review and results.

b) Number and percentage of transmission and distribution inspections planned and completed for 2019.

	Distribution and Transmission Planned Inspections								
Year	Total System Poles	Planned Inspection	Planned Percentage of System	Inspection Completed	Completed Percentage of System				
2019	51200	2998	6%	2990	6%				
2018	51200	6512	13%	6411	13%				
2017	49643	6200	12%	6389	13%				
2016	50049	6400	12%	6419	13%				
2015	50915	6400	12%	6758	13%				
2014	50582	6400	12%	6410	13%				
2013	50721	6400	12%	6415	13%				
2012	50804	6400	12%	6400	12%				
2011	50938	6400	12%	6730	13%				
2010	51142	6400	12%	6534	13%				
2009	51435	6400	12%	6411	12%				
2008	51114	6400	12%	6124	12%				

c) Number and percentage of transmission and distribution poles / structures failing inspection and the reason for the failure.

Poles Failing Inspection								
	Percentage of Inspection Failure	Total Inspected Poles Failing Inspection						
2019	12.4%	372						
2018	2.6%	167						
2017	0.4%	27						
2016	0.9%	58						
2015	1.3%	97						
2014	2.3%	145						
2013	5.5%	352						
2012	6.2%	396						
2011	8.9 %	600						
2010	9.8 %	642						
2009	4.4%	280						
2008	3.0 %	189						

Primary Reasons for Po	les Rejected	1	
Groundline Zone		Quantity	% of Rejects
Shell Rot		51	13.7%
Hollow		10	2.7%
Enclosed Pocket		2	0.5%
	Total	63	16.9%
Pole Top		Quantity	% of Rejects
Decayed Top		299	80.4%
Split Top		6	1.6%
Woodpecker Holes		4	1.1%
	Total	309	83.1%

d) Number of transmission poles, structures and distribution poles, replaced or for which remediation was taken after inspection, including a description of the remediation taken.

	Poles needing Remediation								
Year	Total Inspection Poles Failing Inspection	Priority Replacement (Complete)	Restoration (Complete) C-Truss	Work Orders Generated for Replacement	Work Orders Completed				
2019	372	17	29	343	32				

2018	167	4	29	138	72
2017	27	2	0	27	35
2016	58	3	7	51	72
2015	97	15	9	88	195
2014	145	2	3	142	479
2013	352	5	56	296	282
2012	396	8	10	386	456
2011	600	2	66	532	267
2010	642	7	121	514	435
2009	280	4	66	210	208
2008	189	9	82	98	98

A total of (372) three hundred seventy-two poles failed inspection criteria, (17) seventeen poles deemed priority replacement and have been replaced, (32) thirty-two work orders were completed. There are (29) twenty nine poles which restoration was deemed necessary using a reinforcing truss. The remaining (274) two hundred seventy-four poles are in progress for replacement in 2020.

5) Vegetation Management

a) Utility's policies, guidelines, practices, and procedures for vegetation management, including programs addressing appropriate planting, landscaping, and problem tree removal practices for vegetation management outside of road right-of-ways or easements, and an explanation as to why the utility believes its vegetation management practices are sufficient.

Maintenance Guidelines and Procedures

The Orlando Utilities Commission (OUC) provides essential electrical service closely tied to our communities' safety, economy and welfare. In delivering reliable electrical service OUC manages the vegetation for approximately 1323 miles of overhead distribution lines and 222 miles of transmission lines within Orange and Osceola Counties. Vegetation line clearance of distribution facilities are trimmed on a three year maintenance cycle. Transmission right of ways' are maintained in two sub-divided regions, urban right of way on an annual cycle, and rural on a three year cycle. Measures to ensure our vegetation program is sufficient and remains on schedule, comprise of annual inspections of the distribution and transmission system.

OUC follows pruning and safety methods outlined in American National Standards Institute A300 and Z133.1. A three-year maintenance cycle of distribution facilities anticipates an average annual growth of 2.5 feet. Trees in close proximity of distribution facilities are trimmed to a minimum distance of 10 feet clearance from energized uninsulated conductors. Fast growing invasive species are targeted for removal during distribution pruning. This proactive measure relieves future trimming requirements and ensures clearances within the cycle will be maintained.

The distribution three year cycle is divided into over 197 distribution segments reviewed on a quarterly basis. The review is used to make adjustments to crew resources to remain on cycle. OUC currently procures vegetation maintenance labor and equipment through a contract with Davey Tree Experts. The contract comprises ten to twenty production line trimming crews used in distribution and transmission line clearance.

Vegetation pruning requests are tracked using an internal CIS (customer information system) available in the distribution operations, customer service, construction and maintenance area. Requests generated from a system outage are either trimmed immediately or given a work order priority for completion. The general foreman provides additional feedback if additional area trimming is needed.

Appropriate Planting

OUC outlines appropriate planting through educational information presented by the Florida Urban Forestry Council. The council presents a theme "Right Tree in the Right Place" to ensure proper distance between trees and power lines. By practicing proper planting our goals to ensure safety, reliability and lowered maintenance costs become factors which all of our customers benefit.

Vegetation located outside of the right of way is pruned to a distance 10' from energized conductors. The "Right Tree Right Place" concept is reviewed in cases where removals may become prudent. OUC annually sponsors tree planting events during Arbor Day to promote proper planting.

Measures to Ensure Sufficient Vegetation Management

OUC has applied a Reliability Centered Maintenance (RCM) approach from NFPA 70B to assure our vegetation management practices area sufficient. An annual inspection of all main feeder distribution lines is conducted to survey acceptable clearances in distribution system throughout the three-year treatment plan. The RCM inspections document vegetation to conductor distances with less than one year's anticipated growth (2.5'). Vegetation work orders are generated and completed during seasonal non-peak time frame to ensure electrical system is fully prepared for the Florida summer storm season.

Two measures are used to verify sufficient vegetation management in our maintenance cycle.

- 1. The documented number of RCM clearances are compared against the trim cycle order. (A circuit about to be trimmed is expected to have more areas of clearance.)
- 2. Outage Management System (OMS) indices relating to sustained and momentary outages are also compared to the trim cycle order.

b) Quantity, level, and scope of vegetation management planned and completed for transmission and distribution facilities.

Vegetation Management Annual Plan

The 2019 annual budget for Distribution and Transmission Vegetation management was approximately 4.4 million dollars and will increase for 2020 due to contractor price increases. OUC plans to continue with treatment of 446 miles of distribution line clearance and 99 miles of transmission ROW to remain on established cycles in 2020. Treatment of distribution line clearance will consist of bucket and rear lot climbing crews. Treatment of the transmission rural corridors, conducted on a three-year cycle, are maintained using a combination of integrated vegetation management (IVM). Transmission urban corridors are maintained annually with a more traditional pruning and removal maintenance methods.

	Vegetation Treatment								
Year		ibution em Miles 1323	Transmission Total System Miles 213 (Urban-Annual, Rural 3 Year Cycle)						
	Planned	Completed	Planned	Completed					
2019	426	94%	107	100%					
2018	421	100%	112	100%					
2017	450	100%	99	100%					
2016	333	100%	107	100%					
2015	335	100%	88	100%					
2014	328	100%	99	100%					
2013	287	100%	107	100%					
2012	332	100%	127	100%					
2011	312	100%	107	100%					
2010	329	100%	99	100%					
2009	328	100%	105	100%					
2008	330	100%	99	100%					
2007	330	100%	114	100%					

2019 OUC Distribution Maintenance Schedule – 3 Year Trimming Cycle

Work Completed

Circuit Number Coation Initiated Date Completion Date Co		0.69 0.23 0.70 0.34 0.84 0.06 0.01 0.74 1.12 0.19 0.01 1.37
65 33-211 St. Cloud 1/18/2019 2/2/2019 4.81 4.59 66 9-33 Orlando 12/21/2018 3/27/2019 4.36 3.41 67 12-13, 12-33, 12-34 Orlando 2/18/2019 4/26/2019 4.36 3.41 68 21-25 Orlando 2/18/2019 4/26/2019 1.46 1.31 69 4-21, 5-15 Orlando 2/19/2019 4/18/2019 5.06 4.00 70 4-22 Orlando 1/9/2019 3/25/2019 6.67 5.88 71 6-311, 20-342 Orlando 4/30/2019 3/25/2019 4.49 1.24 2.36 72 5-16 Orlando 2/11/2019 3/7/2019 4.49 1.24 2.36 73 19-12, 19-24 Orlando 1/22/2019 2/16/2019 4.16 0.13 73 19-12, 19-24 Orlando 1/22/2019 2/16/2019 4.16 0.10 74 14-31 Orlando 3/4/2019 3/25/2019 4.16 1.00 75 1-42 Orlando 1/7/2019 5/4/2019 3.14 2.22 77 1-42 Orlando 2/25/2019 3/25/2019 3.14 2.22 77 1-42 Orlando 3/28/2019 4/15/2019 3.14 2.22 79 35-25 Orlando 3/28/2019 4/15/2019 11.89 8.38 3.51 80 2-351 Orlando 11/17/2018 2/2/2019 5.37 2.63 81 3-13 Orlando 11/17/2018 2/2/2019 5.37 2.63 81 3-33 Orlando 3/11/2019 4/3/2019 8.99 7.47 84 21-22 Orlando 2/6/2019 4/10/2019 0.39 0.11 85 29-224 St. Cloud 11/27/2018 11/30/2018 0.49 0.49 86 32-221, 32-222 St. Cloud 11/27/2018 4/3/2019 2.478 18.53 Quarterly Total Mileage 109.92 75.17 5.89	0.95 2.03 0.15 1.06 0.79 0.87 1.48 3.16 0.56 0.92 0.03 2.74 5.85 1.52 0.28	0.23 0.70 0.34 0.84 0.06 0.01 0.74 1.12 0.19 0.01 1.37
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Quarterly Total Mileage 109.92 75.17 5.89 Yr. 3 Second Quarter - January / March 2019 75 14-33 Orlando 5/15/2019 6/6/2019 3.31 1.23 78 14-12 Orlando 4/15/2019 4/20/2019 2.20 2.20 82 1-21 Orlando 4/30/2019 5/1/2019 0.23 0.23 87 6-12, 16-13 Orlando 5/6/2019 7/1/2019 2.08 1.70 88 5-11 Orlando 5/29/2019 6/4/2019 2.66 0.90 89 30-36 Orlando No Work No Work No Work 0.00	28.86	6.30
Yr. 3 Second Quarter - January / March 2019 75 14-33 Orlando 5/15/2019 6/6/2019 3.31 1.23 78 14-12 Orlando 4/15/2019 4/20/2019 2.20 2.20 82 1-21 Orlando 4/30/2019 5/1/2019 0.23 0.23 87 6-12, 16-13 Orlando 5/6/2019 7/1/2019 2.08 1.70 88 5-11 Orlando 5/29/2019 6/4/2019 2.66 0.90 89 30-36 Orlando No Work No Work 0.00		0.30
75 14-33 Orlando 5/15/2019 6/6/2019 3.31 1.23 78 14-12 Orlando 4/15/2019 4/20/2019 2.20 2.20 82 1-21 Orlando 4/30/2019 5/1/2019 0.23 0.23 87 6-12, 16-13 Orlando 5/6/2019 7/1/2019 2.08 1.70 88 5-11 Orlando 5/29/2019 6/4/2019 2.66 0.90 89 30-36 Orlando No Work No Work 0.00	2.08	
78 14-12 Orlando 4/15/2019 4/20/2019 2.20 2.20 82 1-21 Orlando 4/30/2019 5/1/2019 0.23 0.23 87 6-12, 16-13 Orlando 5/6/2019 7/1/2019 2.08 1.70 88 5-11 Orlando 5/2/2019 6/4/2019 2.66 0.90 89 30-36 Orlando No Work No Work 0.00	2.08	
82 1-21 Orlando 4/30/2019 5/1/2019 0.23 0.23 87 6-12, 16-13 Orlando 5/6/2019 7/1/2019 2.08 1.70 88 5-111 Orlando 5/29/2019 6/4/2019 2.66 0.90 89 30-36 Orlando No Work No Work No Work 0.00		0.10
87 6-12, 16-13 Orlando 5/6/2019 7/1/2019 2.08 1.70 88 5-11 Orlando 5/29/2019 6/4/2019 2.66 0.90 89 30-36 Orlando No Work No Work 0.00		3.10
89 30-36 Orlando No Work No Work 0.00	0.38	
	1.76	
00 10 10 10 10 10 10 10 10 10 10 10 10 1	0.00	0.02
90 30-14 Orlando 5/21/2019 5/21/2019 0.29 0.26 91 14-11, 14-42 Orlando 5/2/2019 5/21/2019 2.32 0.47	0.03 1.85	0.60
92 30-22, 30-31 Orlando 5/21/2019 5/21/2019 0.74 0.38	0.18	0.95
93 11-32 Orlando 6/5/2019 7/2/2019 2.32 2.06	0.26	
94 21-35 Orlando 5/22/2019 5/22/2019 0.35 0.32	0.03	
95 27-211, 33-211 St. Cloud 4/20/2019 7/8/2019 39.23 21.31	18.03	0.70
96 14-32 Orlando 4/11/2019 Open 11.94 9.08 98 35-13 Orlando 6/5/2019 6/6/2019 0.61 0.58	2.86 0.03	0.76 0.60
100 19-13 Orlando 5/20/2019 7/22/2019 11.30 9.21	2.09	0.00
101 11-11 Orlando 5/23/2019 5/29/2019 0.86 0.86	2.00	1.19
103 19-31, 20-31 Orlando 5/22/2019 5/22/2019 0.61 0.29	0.32	0.29
104 14-33, 14-43 Orlando 5/7/2019 5/16/2019 1.01 0.60	0.41	1.20
105 6-321, 20-341 Orlando 5/30/2019 6/4/2018 1.61 1.09	0.52	2.83
106 2-23, 18-32 Orlando 4/23/2019 6/7/2019 15.83 11.54 109 16-24 Orlando 6/5/2019 11/11/2019 2.34 1.50	4.29 0.84	0.16
111 18-33 Orlando 5/30/2019 2/26/2020 2.63 2.33	0.30	
Quarterly Total Mileage 104.47 68.14 0.00	36.26	8.70
Yr. 3 Third Quarter - April / June 2019		
107 21-21 Orlando 07/09/2019 07-11-19 1.91 1.91		
108 3-33 Orlando 06/19/2019 10-29-19 10.40 6.37	4.03	0.77
110 12-32 Orlando 7/11/2019 02-26-20 9.40 4.56	4.84	0.44
112 16-23 Orlando 07/1/2019 Open 8.97 5.78 113 16-11 Orlando 6/17/2019 02-26-20 2.69 1.22	3.19 1.47	0.44 0.56
113 10-11 Orlando 0/1/2019 02-20-20 2.09 1.22 114 10-34 Orlando 6/10/2019 07-01-19 7.91 7.27	0.64	0.01
115 4-23 Orlando 7/17/2019 Open 8.81 4.87	3.94	
116 2-43 Orlando 07/23/2019 Open 8.32 5.24	3.08	2.00
120 28-212, 28-222, 28-223 St. Cloud 6/3/19 8/16/19 48.92 35.26 Quarterly Total Mileage 107.33 72.48 0.00	13.66 34.85	3.28 5.06
Yr. 3 Forth Quarter - July / September 2019	J-1.0J	5.00
102 4-14 Orlando 8/6/2019 1/14/2020 10.51 5.08	5.43	
117 4-11, 4-21 Orlando 9/12/2019 12/5/2019 4.05 2.77	1.28	
118 6-24 Orlando 10/1/2019 2/21/2020 3.98 1.78	2.20	
119 32-11 St. Cloud 7/22/2019 7/23/19 0.51 0.47	0.04	2.33
121 16-12 Orlando 9/17/2019 Open 7.00 3.83	3.17	
122 18-33, 18-42 Orlando 9/21/2019 10/1/2019 4.20 3.62	0.58	
	2.32 1.34	0.85
123 12-24 Orlando 9/6/2019 1/11/2020 6.50 4.18	0.53	0.00
	2.14	
123 12-24 Orlando 9/6/2019 1/11/2020 6.50 4.18 124 2-34, 14-32 Orlando 10/8/2019 12/10/2019 4.21 2.87 125 5-21 Orlando 8/28/2019 09/11/2019 1.28 0.75 126 35-21 Orlando 8/26/2019 9/27/2019 10.78 8.64	2.17	0.27
123 12-24 Orlando 9/6/2019 1/11/2020 6.50 4.18 124 2-34, 14-32 Orlando 10/8/2019 12/10/2019 4.21 2.87 125 5-21 Orlando 8/28/2019 09/11/2019 1.28 0.75 126 35-21 Orlando 8/26/2019 9/27/2019 10.78 8.64 127 12-26, 12-34 Orlando 7/31/2019 8/22/2019 5.33 3.44	1.89	
123 12-24 Orlando 9/6/2019 1/11/2020 6.50 4.18 124 2-34, 14-32 Orlando 10/8/2019 12/10/2019 4.21 2.87 125 5-21 Orlando 8/28/2019 09/11/2019 1.28 0.75 126 35-21 Orlando 8/26/2019 9/27/2019 10.78 8.64 127 12-26, 12-34 Orlando 7/31/2019 8/22/2019 5.33 3.44 129 14-13 Orlando 9/13/2019 Open 7.15 3.47	1.89 3.68	
123 12-24 Orlando 9/6/2019 1/11/2020 6.50 4.18 124 2-34, 14-32 Orlando 10/8/2019 12/10/2019 4.21 2.87 125 5-21 Orlando 8/28/2019 09/11/2019 1.28 0.75 126 35-21 Orlando 8/26/2019 9/27/2019 10.78 8.64 127 12-26, 12-34 Orlando 7/31/2019 8/22/2019 5.33 3.44 129 14-13 Orlando 9/13/2019 Open 7.15 3.47 130 20-31 Orlando 8/22/2019 08/27/2019 1.96 1.48	1.89	
123 12-24 Orlando 9/6/2019 1/11/2020 6.50 4.18 124 2-34, 14-32 Orlando 10/8/2019 12/10/2019 4.21 2.87 125 5-21 Orlando 8/28/2019 99/11/2019 1.28 0.75 126 35-21 Orlando 8/26/2019 99/27/2019 10.78 8.64 127 12-26, 12-34 Orlando 7/31/2019 8/22/2019 5.33 3.44 129 14-13 Orlando 9/13/2019 Open 7.15 3.47 130 20-31 Orlando 8/22/2019 08/27/2019 1.96 1.48 131 18-14 Orlando 9/14/2019 9/17/2019 0.24 0.24	1.89 3.68 0.48	2,53
123 12-24 Orlando 9/6/2019 1/11/2020 6.50 4.18 124 2-34, 14-32 Orlando 10/8/2019 12/10/2019 4.21 2.87 125 5-21 Orlando 8/28/2019 09/11/2019 1.28 0.75 126 35-21 Orlando 8/26/2019 9/27/2019 10.78 8.64 127 12-26, 12-34 Orlando 7/31/2019 8/22/2019 5.33 3.44 129 14-13 Orlando 9/13/2019 Open 7.15 3.47 130 20-31 Orlando 8/22/2019 08/27/2019 1.96 1.48	1.89 3.68	2.53
123 12-24 Orlando 9/6/2019 1/11/2020 6.50 4.18 124 2-34, 14-32 Orlando 10/8/2019 12/10/2019 4.21 2.87 125 5-21 Orlando 8/28/2019 09/11/2019 1.28 0.75 126 35-21 Orlando 8/28/2019 9/27/2019 10.78 8.64 127 12-26, 12-34 Orlando 7/31/2019 8/22/2019 5.33 3.44 129 14-13 Orlando 9/13/2019 Open 7.15 3.47 130 20-31 Orlando 8/22/2019 08/27/2019 1.96 1.48 131 18-14 Orlando 9/14/2019 9/17/2019 0.24 0.24 132 6-322 Orlando 8/20/2019 8/21/2019 0.99 0.86 134 19-23 Orlando 10/14/2019 11/7/2019 1.76 0.52 135 27-225, 33-221 St. Cloud 07/22/19 8/16/2019 12.36	1.89 3.68 0.48 0.13 1.24 1.98	
123 12-24 Orlando 9/6/2019 1/11/2020 6.50 4.18 124 2-34, 14-32 Orlando 10/8/2019 12/10/2019 4.21 2.87 125 5-21 Orlando 8/28/2019 99/11/2019 1.28 0.75 126 35-21 Orlando 8/28/2019 99/27/2019 10.78 8.64 127 12-26, 12-34 Orlando 7/31/2019 8/22/2019 5.33 3.44 129 14-13 Orlando 9/13/2019 Open 7.15 3.47 130 20-31 Orlando 8/22/2019 08/27/2019 1.96 1.48 131 18-14 Orlando 9/14/2019 9/17/2019 0.24 0.24 132 6-322 Orlando 8/20/2019 8/21/2019 0.99 0.86 134 19-23 Orlando 10/14/2019 11/17/2019 1.76 0.52 135 27-225, 33-221 St. Cloud 07/22/19 8/16/2019 12.36	1.89 3.68 0.48 0.13 1.24 1.98 2.17	0.27
123 12-24 Orlando 9/6/2019 1/11/2020 6.50 4.18 124 2-34, 14-32 Orlando 10/8/2019 12/10/2019 4.21 2.87 125 5-21 Orlando 8/28/2019 9/11/2019 1.28 0.75 126 35-21 Orlando 8/26/2019 9/27/2019 10.78 8.64 127 12-26, 12-34 Orlando 9/13/2019 9/27/2019 5.33 3.44 129 14-13 Orlando 9/13/2019 0pen 7.15 3.47 130 20-31 Orlando 8/22/2019 08/27/2019 1.96 1.48 131 18-14 Orlando 8/20/2019 9/17/2019 0.24 0.24 132 6-322 Orlando 8/20/2019 9/17/2019 0.99 0.86 134 19-23 Orlando 10/14/2019 11/7/2019 1.76 0.52 135 27-225, 33-221 St. Cloud 07/22/19 8/16/2019 12.36 <	1.89 3.68 0.48 0.13 1.24 1.98 2.17 0.43	0.27 0.85
123 12-24 Orlando 9/6/2019 1/11/2020 6.50 4.18 124 2-34, 14-32 Orlando 10/8/2019 12/10/2019 4.21 2.87 125 5-21 Orlando 8/28/2019 99/11/2019 1.28 0.75 126 35-21 Orlando 8/28/2019 99/27/2019 10.78 8.64 127 12-26, 12-34 Orlando 7/31/2019 8/22/2019 5.33 3.44 129 14-13 Orlando 9/13/2019 Open 7.15 3.47 130 20-31 Orlando 8/22/2019 08/27/2019 1.96 1.48 131 18-14 Orlando 9/14/2019 9/17/2019 0.24 0.24 132 6-322 Orlando 8/20/2019 8/21/2019 0.99 0.86 134 19-23 Orlando 10/14/2019 11/17/2019 1.76 0.52 135 27-225, 33-221 St. Cloud 07/22/19 8/16/2019 12.36	1.89 3.68 0.48 0.13 1.24 1.98 2.17 0.43 3.30	0.27

2020 OUC Distribution Maintenance Schedule – 3 Year Trimming Cycle Work Plan

			Worked	d Dates					
Line Segment	Circuit Number	Location	Initiated Date	Completion Date	Circuit Total Billable Miles	Truck Access (S)	Limited Acces (LA)	Rear Lot (R)	Non Billable Miles
	Yr. 1 First Quarter - Oct	ober / Dec	ember 2019						
16	12-34, 12-311	Orlando	10/31/2019	Open	7.95	2.91		5.04	0.32
128 139	6-23, 35-12, 35-33 4-32	Orlando Orlando	11/12/2019 10/28/2019	Open 02/14/2020	75.82 1.67	64.16 1.06		11.66 0.61	1.61
144	27-233	St. Cloud	9/3/2019	10/11/2019	19.15	15.16	0.35	3.64	1.09
146	1-11	Orlando	10/22/2019	11/19/2019	3.84	3.58	0.02	0.24	1.00
147	27-232	St. Cloud	8/16/2019	8/31/2019	11.82	10.05		1.77	0.14
Quarterly Total		1	4I- 0000		120.25	96.92	0.37	22.96	3.16
440	Yr. 1 Second Quarter -			V 4/07/00	1.55	0.70	0.70		
140 141	19-11 5-15	Orlando Orlando	1/23/2020	1/27/20	1.55 2.49	0.79 1.90	0.76	0.59	
142	6-22	Orlando	1/16/2020	1/28/2020	2.83	2.60	0.08	0.15	
143	1-23	Orlando	1/23/2020	2/12/2020	1.02	0.64		0.38	
145	3-31	Orlando	1/00/0000	0/40/0000	6.05	4.06	0.10	1.89	1.95
148 150	4-13 2-33	Orlando Orlando	1/28/2020	2/10/2020	3.95 5.32	3.78 3.53		0.17 1.79	
151	33-213	St. Cloud	9/18/2019	9/27/2019	4.29	3.64	0.26	0.39	
152	9-31	Orlando			8.36	7.24		1.12	
153	10-21, 18-32, 18-42	Orlando	2/7/2020	2/21/2020	2.28	2.24	0 :-	0.04	0.77
154 155	20-11 19-12, 20-31	Orlando Orlando			7.77 3.84	4.40 2.10	0.18	3.19 1.34	0.69
156	2-42	Orlando			7.43	6.64	0.40	0.79	0.30
157	2-14, 12-26	Orlando			5.64	2.72		2.92	1.45
158	6-23	Orlando			9.39	7.23	0.17	1.99	0.01
159	11-23, 11-43	Orlando	0/40/0000	0	6.86	4.85	0.00	2.01	0.40
160 161	12-33 6-13, 6-24	Orlando Orlando	2/10/2020	Open	6.51 6.46	6.07 3.18	0.09	0.35 2.95	0.16
162	13-13	Orlando			5.72	4.77	0.08	0.87	
163	13-21	Orlando	2/17/2020	Open	4.10	3.73		0.37	
165	10-21	Orlando	2/17/2020	Open	6.33	6.25		0.08	
Quarterly Total		A "1 / 1			108.19	82.36	2.45	23.38	4.59
	Yr. 1 Third Quarter		ne 2020		W				
164	2-21 9-22	Orlando Orlando			6.64	3.78 3.18	0.12	2.74	0.75 0.44
166 167	9-22 5-13	Orlando			3.36 5.70	2.53	0.03	0.15 3.17	0.44
168	10-43	Orlando			5.19	4.40		0.79	
169	9-34	Orlando			7.27	4.27		3.00	0.14
170 171	4-42	Orlando			0.51	0.33	0.40	0.18	4.00
171	6-14 16-14	Orlando Orlando			3.11 0.57	2.43 0.57	0.12	0.56	1.23 0.01
173	14-44	Orlando			1.55	1.55			0.01
174	35-23	Orlando			1.90	1.90			0.79
175	30-36	Orlando			0.70	0.70		0.10	
176 177	11-33 27-231, 29-222, 33-213, 33-222	Orlando St. Cloud			3.72 61.36	3.53 45.93	0.16	0.19 15.27	
179	32-13	Orlando			0.00	40.00	0.10	10.27	2.28
182	20-32	Orlando			2.32	0.12		2.20	
Quarterly Total					103.91	75.23	0.43	28.25	6.61
	Yr. 1 Forth Quarter - Ju	<u> </u>	mber 2020						
7	12-12, 12-21	Orlando			5.56	3.55	ļ	2.01	0.82
14 47	12-11 12-21	Orlando Orlando			13.94 12.20	10.76 9.90	 	3.18 2.30	
178	6-11	Orlando			3.48	1.74		1.74	
180	6-21	Orlando			3.06	1.44		1.62	
181	4-33	Orlando			0.04	0.04		0.00	
183 184	10-35, 13-22 11-31	Orlando Orlando			1.97 1.96	1.74 1.73	-	0.23	
186	5-44	Orlando			3.69	3.03	1	0.66	0.96
187	21-13	Orlando			0.64	0.38		0.26	0.34
188	4-44, 14-34	Orlando			1.80	1.56		0.24	
189 190	12-35 33-221	Orlando Orlando			2.53 3.37	1.58 2.99		0.95 0.38	0.99
192	27-225, 27-231	St. Cloud			17.89	13.94		3.95	0.00
193	9-13	Orlando			5.88	4.52		1.36	
194	18-42	Orlando			7.88	7.44	ļ	0.44	
195 196	16-21 18-24	Orlando Orlando			4.16 5.57	1.77 5.57	-	2.39	
197	13-11, 13-23	Orlando			2.40	1.91		0.49	
198	20-12	Orlando			1.12	0.37		0.75	
200	21-11	Orlando			1.44	0.28		1.16	
207 Quarterly Total	29-221 al Mileage	Holopaw			13.42 114.01	13.42 89.67	0.00	24.34	3.11
Annual Tota	ai ivilies				446.36	344.18	3.25	98.93	17.47

2019 OUC Transmission Schedule - Urban (Annual Cycle) & Rural (3-Year Cycle) Completed Work

mont C	vole Veer One							
ment C	ycie Year One							
OUC Line	Description	Structure	Structure Number		Miles	Past Treatment	Date Assigned	Date Complete
	·	Number Begin	End		Urban			
5-0212	Pine Hills to Country Club	1	48		3.2	3/23/19	06/01/19	11/6/19
	Pine Hills to FPC at Dolores W/O							
								11/8/19
	Pine Hills to Turkey Lake							11/08/19 11/09/19
5-1424	South Term Sub 24 to	302	343		1.0	03/23/19	06/01/19	11/09/19
5-2405	Southwood Sub 5	341	303		1.7	03/28/19	06/01/19	10/19/19
5-0508 A		260	201		2.8	DEMOVED	DEMOVED.	REMOVE
7-05FPC	Southwood to Windemere	200	201		2.0	04/08/19	06/01/19	10/16/19
5-0508 B	Southwood to Martin	1	14		1.8	04/08/19	06/01/19	10/16/19
								10/16/19
								10/16/19 10/17/19
	0							10/17/13
5-1013	America to Kaley	1	26		1.4	04/06/19	06/01/19	10/21/19
	Michigan and Gowen to Bumby							
								10/18/19
5-0916		1	52		2.3	04/09/19	06/01/19	10/22/19
5-0609		2	03		5.5	04/19/19	06/01/10	10/25/19
								10/23/19
7-622		135	157		3.4			11/22/19
5-0306 A &								
В	Azalea to Pershing A & B	143	182		4.1	04/18/19	06/01/19	11/05/19
4-27KISS		_	-		_	03/21/19	06/01/19	11/05/19
	lota	ii Urban Ar	inual Treath	nent Miles	48.1			
Rural	ROW Corridors 20-	21	TREAT	MENT	ON A	THREE	YEAR	CYCLE
OUC Line	Description	Structure Number Begin	Structure Number End	Miles Rural		Past Treatment	Date Assigned	Date Complete
5-0607 A	Pershing to Indian River A	7	71	32.0		02/25/17	06/01/19	
5-0607 A	Pershing to Indian River A	72	139	32.0		02/25/17	06/01/19	12/28/19
5-0607 A	Pershing to Indian River A	72 140	139 209	32.0		02/25/17 02/25/17	06/01/19 06/01/19	12/28/19 12/28/19
5 0007 D		72 140 210	139 209 256	32.0		02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19
5-0607 B	Pershing to Indian River B	72 140 210 0	139 209 256 130	32.0		02/25/17 02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19 12/28/19
5-0607 B 7-0717 A	Pershing to Indian River B Indian River to Stanton A&B	72 140 210 0 54E	139 209 256 130 54B	32.0		02/25/17 02/25/17 02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19 12/28/19 12/28/19
5-0607 B	Pershing to Indian River B	72 140 210 0	139 209 256 130	32.0		02/25/17 02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19 12/28/19 12/28/19
5-0607 B 7-0717 A	Pershing to Indian River B Indian River to Stanton A&B Indian River to Stanton A&B Pershing to Stanton (Shares 5- 0607) ROW	72 140 210 0 54E	139 209 256 130 54B	32.0		02/25/17 02/25/17 02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19
5-0607 B 7-0717 A 7-0717 B	Pershing to Indian River B Indian River to Stanton A&B Indian River to Stanton A&B Pershing to Stanton (Shares 5-	72 140 210 0 54E 135	139 209 256 130 54B 156	32.0		02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19
5-0607 B 7-0717 A 7-0717 B 7-0617 A	Pershing to Indian River B Indian River to Stanton A&B Indian River to Stanton A&B Pershing to Stanton (Shares 5-0607) ROW Pershing to Stanton (Shares 5-	72 140 210 0 54E 135	139 209 256 130 54B 156	32.0		02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19
5-0607 B 7-0717 A 7-0717 B 7-0617A 7-0617 B 7-17 FPC A	Pershing to Indian River B Indian River to Stanton A&B Indian River to Stanton A&B Pershing to Stanton (Shares 5-0607) ROW Pershing to Stanton (Shares 5-0607) ROW	72 140 210 0 54E 135	139 209 256 130 54B 156 34	32.0		02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19
5-0607 B 7-0717 A 7-0717 B 7-0617A 7-0617 B 7-17 FPC A 7-17 FPC B	Pershing to Indian River B Indian River to Stanton A&B Indian River to Stanton A&B Pershing to Stanton (Shares 5-0607) ROW Pershing to Stanton (Shares 5-0607) ROW Stanton to Curry Ford Stanton to Rio Pinar	72 140 210 0 54E 135 1 1 23	139 209 256 130 54B 156 34 34 53	32.0		02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19
5-0607 B 7-0717 A 7-0717 B 7-0617A 7-0617 B 7-17 FPC A	Pershing to Indian River B Indian River to Stanton A&B Indian River to Stanton A&B Pershing to Stanton (Shares 5-0607) ROW Pershing to Stanton (Shares 5-0607) ROW Stanton to Curry Ford	72 140 210 0 54E 135 1	139 209 256 130 54B 156 34 34	32.0		02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19
5-0607 B 7-0717 A 7-0717 B 7-0617 A 7-0617 B 7-17 FPC A 7-17 FPC B 7- 07FPL"A"	Pershing to Indian River B Indian River to Stanton A&B Indian River to Stanton A&B Pershing to Stanton (Shares 5- 0607) ROW Pershing to Stanton (Shares 5- 0607) ROW Stanton to Curry Ford Stanton to Rio Pinar Indian River to FPL Canaveral "A"	72 140 210 0 54E 135 1 1 23 23	139 209 256 130 54B 156 34 34 53 53	32.0		02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19
5-0607 B 7-0717 A 7-0717 B 7-0617A 7-0617 B 7-17 FPC A 7-17 FPC B 7- 07FPL"A"	Pershing to Indian River B Indian River to Stanton A&B Indian River to Stanton A&B Pershing to Stanton (Shares 5-0607) ROW Pershing to Stanton (Shares 5-0607) ROW Stanton to Curry Ford Stanton to Rio Pinar Indian River to FPL Canaveral "A" Indian River to FPL Canaveral "B"	72 140 210 0 54E 135 1 1 23 23 23	139 209 256 130 54B 156 34 34 53 53 127			02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17 02/25/17	06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19 06/01/19	12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19 12/28/19
	5-0212 7-02FPC 5-0214 5-1424 5-2405 5-0508 A 7-05FPC 5-0508 B 5-08-30 5-0405 5-0409 5-0910 5-1013 5-1618 5-0916 5-0609 5-0616 7-622 5-0306 A & B 4-27KISS	5-0212 Pine Hills to Country Club Pine Hills to FPC at Dolores W/O Fore FPC Emeralda 5-0214 Pine Hills to Turkey Lake 5-1424 Turkey Lake to Southwood South Term Sub 24 to 5-2405 Southwood Sub 5 Southwood to Martin (KingsPointe) East Line 7-05FPC Southwood to Windemere 5-0508 B Southwood to Martin 5-08-30 Martin to Counvention Center 5-0405 Holden to Southwood 5-0409 Holden to Michigan 5-0910 Michigan to America (On 5-1013 America to Kaley Michigan and Gowen to Bumby and Jersey 5-0916 Michigan to Grant Michigan to Pershing (Follows Raeford Rd) 5-0609 Raeford Rd) 5-0616 Grant to Pershing 7-622 Pershing to Sub 22 Term Site 5-0306 A & B Azalea to Pershing A & B 4-27KISS Shared W/KUA Tota	Structure	Structure Number Begin	Structure Number Begin	Structure Number Begin Structure Number End Miles Urban	Description	Structure Number Begin Structure Number End Miles Urban Past Treatment Date Assigned

Total Rural Annual Treatment Miles

Total Urban + Rural ROW Miles

107.1

2020 OUC Transmission Schedule – Urban (Annual Cycle) & Rural (3-Year Cycle) Work Plan

	nent C	ntenance Scehdi <i>ycl</i> e <i>Year Two</i>							
Cath		an ROW Corridors	1 _ 10	TDEA	TMEN	T ON	AN AN		VCLE
Ī	UIDO	THE ROW COITIGOIS	1 - 19	INEA	V I IVI EIV	I ON	AIN AINI	NOAL C	TOLL
ROW	OUC Line	Description	Structure	Structure Number		Miles	Past Treatment	Date Assigned	Date Completed
gment			Number Begin	End		Urban			
1	5-0212	Pine Hills to Country Club	1	48		3.2	11/6/19		
		Pine Hills to FPC at Dolores W/O							
	7-02FPC	Emeralda	1	27		1.1	11/8/19		
	5-0214	Pine Hills to Turkey Lake	428	365		3.0	11/08/19		
	5-1424 5-2405	Turkey Lake to Southwood South Term Sub 24 to	362 341	343 303		1.8 1.7	11/09/19 10/19/19		
<u> </u>	3-2403	Southwood to Martin	341	303		1.7	10/19/19		
	5-0508 A	(KingsPointe) East Line	260	201		2.8	DEMOVED		
<u>6</u>	7.05EDC	, ,					10/16/19		
	7-05FPC 5-0508 B	Southwood to Windemere Southwood to Martin	1	14		1.8	10/16/19		
_	5-0508 B 5-08-30	Martin to Counvention Center	14	16		0.4	10/16/19		
_	5-08-30	Holden to Southwood	506	586		3.6	10/16/19		
	5-0409	Holden to Michigan	2	78		3.2	10/17/19		
		Michi gan to America (On							
11	5-0910	Division)	56	132		3.7	10/18/19		
	5-1013	America to Kaley	1	26		1.4	10/21/19		
		Michigan and Gowen to Bumby							
13	5-1618	and Jersey	1	5		0.2	10/18/19		
4	5-0916	Michigan to Grant	1	52		2.3	10/22/19		
		Michigan to Pershing (Follows							
	5-0609	Raeford Rd)	2	93		5.5	10/25/19		
	5-0616	Grant to Pershing	1	27		2.1	10/24/19		
	7-622	Pershing to Sub 22 Term Site	135	157		3.4	11/22/19		
	5-0306 A &	l <u>.</u>							
8	В	Azalea to Pershing A & B	143	182		4.1	11/05/19		
9	4 071/100	Charad M//KLIA					44/05/40		
<u> </u>	4-27KISS	Shared W/ KUA	2	64		2.6	11/05/19		
		Tota	al Urban Ar	nual Treatm	nent Miles	48.1			
		10040 :1 0		TDEATE	AENIT O		upee ve	45.000	
ľ	K	ural ROW Corridors 22	2-2 <i>1</i>	IREAIN	WENI O	NAI	HREE YE	AR CYC	LE
			Structure	Structure Number			B	<u>.</u>	5.0
	OUC Line	Description	Number Begin	End	Miles Rural		Past Treatment	Date Assigned	Date Completed
22	E 2025	Convention Ctr to Orangewood	17	20	2.5		1/10/2019		
<u>22</u>	5-3025	North Term	17	29	2.5		1/19/2018		
23	7-2615	Orangewood South Term to Taft	34	66	6.1		4/14/2018		
	7-2615 7-15 /	1/4 of the Lakeland Line Shared	34	00	0.1		4/14/2010		
	Cane Island		258	220	6.4		1/18/2018		
-1	Island /	1/4 of the Lake Land Line Shared	230	220	0.4		1/10/2010		
		W/ KUA	196	220	4.7		9/6/2017		
	Usceoia		1.50	220	1.1		0/0/2017		
<u>25</u>	Osceola 7-Osceola -	1/4 of the Lakeland I ine Shared				1		I	
<u>25</u>	7-Osceola -	1/4 of the Lakeland Line Shared W/TECO	196	66	21.5		02/03/18		
2 <u>5</u> 2 <u>6</u>		W/TECO	196	66	21.5		02/03/18		
2 <u>5</u> 2 <u>6</u>	7-Osceola - Agnes		196 65	66 1	21.5 9.7		02/03/18		
2 <u>5</u> 2 <u>6</u>	7-Osceola - Agnes Agnes-	W/ TECO 1/4 of the LakeLand Line Shared							
2 <u>5</u> 2 <u>6</u>	7-Osceola - Agnes Agnes-	W/ TECO 1/4 of the LakeLand Line Shared							
<u>25</u> <u>26</u>	7-Osceola - Agnes Agnes-	W/ TECO 1/4 of the LakeLand Line Shared	65	1					

6) Storm Hardening Research

Orlando Utilities Commission is a member of the Florida Municipal Electric Association (FMEA), which is participating with all of Florida's electric utilities in storm hardening research through the Public Utility Research Center at the University of Florida. Under separate cover, FMEA is providing the FPSC with a report of research activities. For further information, contact Amy Zubaly, Executive Director, FMEA, 850-224-3314, ext.1001, or azubaly@publicpower.com.

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