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John T. Butler
Assistant General Counsel - Regulatory
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, FL 33408-0420
(561) 304-5639
(561) 691-7135 (Facsimile)
John.butler@fpl.com

April 30, 2014

-HAND DELIVERED-

Ms. Carlotta S. Stauffer
Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket No. 140066-EI / Staff's First Data Request

Dear Ms. Stauffer:

Enclosed for filing on behalf of Florida Power & Light Company ("FPL") are the original and five (5) copies of FPL's responses to Staff's First Data Request dated April 16, 2014, relating to FPL's Petition for approval of amendment to underground residential and commercial differential tariffs.

If you should have any questions, please do not hesitate to contact me.

Sincerely,

John T. Butler

Enclosures
cc: Martha Brown

COM	_____
AFD	1
APA	_____
ECO	3
ENG	_____
GCL	1
IDM	_____
TEL	_____
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Florida Power & Light Company
Docket No. 140066
Staff's First Data Request
Data Request No. 1

Q.

Please explain and provide the workpapers that demonstrate how the 30-year net present value of the estimated non-storm underground v. overhead operational costs differential of \$208 for the low density subdivision was calculated.

A.

Step 1 - FPL's non-storm operational costs differential calculations are initiated by obtaining five years (2008-2012) of actual operation and maintenance (O&M) expenses and capital expenditures for both overhead and underground facilities (see attached work papers, pages 8 and 14 of 23).

Step 2 - Adjustments for both the overhead/underground O&M expenses and capital expenditures are determined and then applied in order to appropriately remove costs that are (1) not associated with operating facilities as defined by or consistent with 25-6.078, F.A.C. – URD – Underground v. Overhead Operational Cost Differential, (e.g., installation costs for new facilities which are already reflected in the new pre-operational cost differential, street light costs, etc.); and (2) associated with FPL's pole inspection and vegetation management programs, since these costs are separately accounted for subsequently (in Step 4 below) (see attached work papers, pages 9, 12, and 14 of 23).

Step 3 – Applying the adjustments in Step 2 to Step 1, along with the re-allocation of certain O&M expenses (i.e., expenses that are not specifically identified as overhead or underground) between overhead and underground accounts, results in the adjusted five-year average overhead and underground O&M expenses and capital expenditures, excluding costs associated with FPL's pole inspection and vegetation management programs (see attached work papers, pages 10, 11 and 15 of 23).

Step 4 - Final adjustments to add back the appropriate costs for pole inspections/remediation, vegetation management, lost pole rental revenues and property taxes and insurance are then determined. The adjustments for pole inspection/remediation and vegetation management are made to ensure the costs of these overhead programs coincide with the design of the low density subdivision (e.g., on a cost per pole line basis), while the lost pole revenues account for lost revenues associated with poles that would no longer exist in an underground subdivision (see work papers, page 13). Property taxes and associated differentials for overhead and underground facilities are separately determined utilizing applicable capital expenditures, accumulated book depreciation, replacement costs and an average property tax rate (see work papers, pages 16-19).

Step 5 - All of these calculations and results, including the overhead and underground differential costs, the differential costs for pole inspection/remediation and vegetation management, lost pole rental revenues, the after-tax discount rate as well as the number of lots/pole-line mile, provide the inputs necessary to execute the 30-year net present value (NPV) calculations, (see work papers, pages 6 and 7).

Step 6 - Finally, the 30-year NPV differential per pole line mile results are determined and converted into a \$/lot charge (see work papers, pages 1-3).

**Florida Power & Light Company
Docket No. 140066
Staff's First Data Request
Data Request No. 2**

Q.

Please explain and provide the workpapers that demonstrate how the 30-year net present value of the estimated non-storm underground v. overhead operational costs differential of \$192 for the high density subdivision was calculated.

A.

The calculations of the high density non-storm differential are essentially the same as the low density calculations explained above, except for those calculations that relate to high density subdivision design-specific requirements, e.g., the number of lots per pole line mile and the number of poles per pole line mile (see attached work papers, pages 1, 4-7, 13 and 20-23 of 23).

**Florida Power & Light Company
Docket No. 140066
Staff's First Data Request
Data Request No. 3**

Q.

Referring to Appendix 4 URD, the document titled 2014 OH Density Layout with 3.5 Ton A/C, shows a MECA Stores LDG% for 2014 of 7.94%, please explain:

- a. what "MECA" stands for;
- b. how the MECA Stores LDG% was determined;
- c. to what costs is the MECA Stores LDG% applied;
- d. what is the difference between MECA and Actual Stores LDG?

A.

- a. "MECA" is an internal FPL acronym for Mechanized Engineering Construction Assemblies. The MECA Stores Loading % refers to the current rate within FPL's work management system (where work order cost estimates are developed) used to allocate stores expenses (i.e., the cost of supervision, labor, and operation of storerooms), which is applied to all open construction work orders.
- b. The MECA Stores Loading % is determined by dividing the YTD stores expenses by the YTD cost of inventory issued.
- c. The MECA Stores Loading % is applied to all open construction work orders.
- d. The Actual Stores Loading % rate is a 12-month average rate, whereas the MECA Stores Loading %, is the current rate loaded in and currently being applied by FPL's work management system. For URD calculation purposes (in this filing as well as previous URD filings), FPL replaces the current rate with the 12-month average rate, since it aligns more closely with the most recent actual historical costs utilized for calculating URD charges. As can be seen in Appendix 4, (referenced in Question 3 above) FPL removes the application of the YTD Loading % automatically applied by the work management system (7.94%) and, in its place, subsequently applies the 12-month average rate (9.30%).

**Florida Power & Light Company
Docket No. 140066
Staff's First Data Request
Data Request No. 4**

Q.

Referring to Appendix 4 URD, the document titled 2014 OH Density Layout with 3.5 Ton A/C, shows an "Adjusted CO" for 2014 of 6.98%, please explain:

- a. what "CO" stands for;**
- b. what costs are included in the Adjusted CO;**
- c. to what costs is the CO Stores LOG % applied?**

A.

- a. "CO" is an internal FPL acronym for corporate overhead.
- b. The Adjusted CO, the corporate overhead rate FPL applied for URD calculation purposes, is a function of indirect non-engineering costs associated with activities that support construction activities (e.g., accounting, finance, information management, etc.), divided by total capital construction costs.
- c. The Adjusted CO is applied to labor and material costs prior to the application of other loading rates (e.g., stores and engineering).

**FAC 25-6.078 - URD Underground v. Overhead Operational Cost Differential
- Net Present Value (NPV) Summary -**

LOW DENSITY	Year 1 (\$/PLM)		30-Year NPV (\$/PLM)			\$ / Lot
	O&M	Capital	O&M	Capital	Total	
1. Underground	2,166	4,234	33,608	70,321	103,929	1,208 [1]
2. Overhead (excl embed VM & Poles)	(1,973)	(2,933)	(30,628)	(48,713)	(79,341)	(921) [1]
3. Lost Pole Rental Revenue	586		9,097		9,097	106
4. Vegetation Management (URD)	---		(9,003)		(9,003)	(104) [2]
5. Pole Inspection/Remediation (LD)	---	---	(1,486)	(7,343)	(8,831)	(102) [2]
6. Litigation (Differential) **	n/a		n/a		n/a	n/a [3]
7. Property Taxes & Insurance		24		2,099	2,099	24
Differential (Non-Storm)			1,686	16,364	17,950	208
Avoided Storm Restoration:						
Tier 1 - GAF Equivalent	(10,427)		(36,842)		(36,842)	(416)
Tier 2 - Mid-Band (40%)	(4,171)		(14,337)		(14,337)	(166)
Tier 3 - Baseline (20%)	(2,086)		(7,168)		(7,168)	(83)

LOW DENSITY	Operational Cost / Lot			Total	% Change
	Non-Storm	Storm	Subtotal		
Pre-Operational Cost				373.99	
Post-Operational Cost:					
Tier 1 - GAF Equivalent	208	(416)	(208)	166.99	-56%
Tier 2 - Mid-Band (40%)	208	(166)	42	418.99	11%
Tier 3 - Baseline (20%)	208	(83)	126	498.99	33%

HIGH DENSITY & METER PEDESTAL	Year 1 (\$/PLM)		30-Year NPV (\$/PLM)			\$ / Lot
	O&M	Capital	O&M	Capital	Total	
1. Underground	2,166	4,234	33,608	70,321	103,929	1,038 [1]
2. Overhead (excl embed VM & Poles)	(1,973)	(2,933)	(30,628)	(48,713)	(79,341)	(792) [1]
3. Lost Pole Rental Revenue	586		9,097		9,097	91
4. Vegetation Management (URD)	---		(9,003)		(9,003)	(90) [2]
5. Pole Inspection/Remediation (HD/MP)	---	---	(1,206)	(6,396)	(7,601)	(77) [2]
6. Litigation (Differential) **	n/a		n/a		n/a	n/a [3]
7. Property Taxes & Insurance		24		2,237	2,237	22
Differential (Non-Storm)			1,778	17,450	19,228	192
Avoided Storm Restoration:						
Tier 1 - GAF Equivalent	(12,117)		(41,650)		(41,650)	(416)
Tier 2 - Mid-Band (40%)	(4,847)		(16,660)		(16,660)	(166)
Tier 3 - Baseline (20%)	(2,423)		(8,330)		(8,330)	(83)

HIGH DENSITY	Operational Cost / Lot			Total	% Change
	Non-Storm	Storm	Subtotal		
Pre-Operational Cost				79.71	
Post-Operational Cost:					
Tier 1 - GAF Equivalent	192	(416)	(224)	0.00	-100% [4]
Tier 2 - Mid-Band (40%)	192	(166)	26	105.71	33%
Tier 3 - Baseline (20%)	192	(83)	109	188.71	137%

METER PEDESTAL	Operational Cost / Lot			Total	% Change
	Non-Storm	Storm	Subtotal		
Pre-Operational Cost				(161.27)	
Post-Operational Cost:					
Tier 1 - GAF Equivalent	192	(416)	(224)	0.00	100% [4]
Tier 2 - Mid-Band (40%)	192	(166)	26	0.00	100%
Tier 3 - Baseline (20%)	192	(83)	109	0.00	100%

[1] All related costs excluding items 3 & 4 below

[2] Periodic expenditures for new facilities begin 1st year of their cycle

[3] For confidentiality purposes, litigation costs are embedded in items 1 & 2 above for underground and overhead facilities, respectively

[4] Value capped at zero if negative

FAC 25-6.078 - URD (Low Density) Underground v. Overhead Operational Cost Differential
- Net Present Value (NPV) -

Non-Storm 17,950	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Operating & Maintenance (O&M)																	
1. Underground	2,165	2,209	2,251	2,296	2,342	2,387	2,434	2,482	2,531	2,580	2,629	2,679	2,731	2,783	2,837	2,891	2,948
2. Overhead (excl embed VM & Poles)	(1,973)	(2,013)	(2,051)	(2,093)	(2,134)	(2,176)	(2,218)	(2,262)	(2,307)	(2,351)	(2,396)	(2,442)	(2,489)	(2,536)	(2,585)	(2,635)	(2,687)
3. Lost Pole Rental Revenue	586	598	609	622	634	646	659	672	685	698	712	725	739	753	768	783	798
4. Vegetation Management (URD)	0	0	0	0	0	(4,391)	0	0	0	0	0	(4,927)	0	0	0	0	0
5. Pole Inspection/Remediation (LD)	0	0	0	0	0	0	0	(1,179)	0	0	0	0	0	0	0	(1,373)	0
6. Litigation (Differential) **	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total O&M Differential	<u>778</u>	<u>794</u>	<u>809</u>	<u>825</u>	<u>842</u>	<u>(3,533)</u>	<u>875</u>	<u>(287)</u>	<u>910</u>	<u>927</u>	<u>945</u>	<u>(3,965)</u>	<u>981</u>	<u>1,000</u>	<u>1,019</u>	<u>(334)</u>	<u>1,059</u>
NPV- Operating @ 7.45%	<u>778</u>	<u>799</u>	<u>701</u>	<u>665</u>	<u>631</u>	<u>(2,467)</u>	<u>568</u>	<u>(173)</u>	<u>512</u>	<u>486</u>	<u>461</u>	<u>(1,799)</u>	<u>414</u>	<u>393</u>	<u>373</u>	<u>(114)</u>	<u>336</u>
Cumulative NPV - O&M	778	1,517	2,217	2,882	3,514	1,047	1,616	1,442	1,954	2,440	2,900	1,101	1,516	1,909	2,282	2,168	2,504
Capital Expenditures																	
1. Underground	4,234	4,334	4,443	4,560	4,682	4,809	4,943	5,081	5,217	5,363	5,488	5,625	5,765	5,910	6,060	6,214	6,379
2. Overhead (excl embed Poles)	(2,933)	(3,002)	(3,078)	(3,159)	(3,243)	(3,331)	(3,424)	(3,520)	(3,614)	(3,708)	(3,802)	(3,896)	(3,994)	(4,094)	(4,198)	(4,305)	(4,419)
3. Pole Inspection/Remediation (LD)	0	0	0	0	0	0	0	(5,610)	0	0	0	0	0	0	0	(6,862)	0
4. Property Taxes & Insurance	24	49	73	97	121	145	169	88	115	141	168	195	221	248	274	172	201
Total Capital Expenditures Differential	<u>1,325</u>	<u>1,380</u>	<u>1,438</u>	<u>1,498</u>	<u>1,560</u>	<u>1,622</u>	<u>1,688</u>	<u>(3,961)</u>	<u>1,718</u>	<u>1,786</u>	<u>1,855</u>	<u>1,923</u>	<u>1,993</u>	<u>2,064</u>	<u>2,136</u>	<u>(4,781)</u>	<u>2,161</u>
NPV - Capital @ 7.45%	<u>1,325</u>	<u>1,285</u>	<u>1,246</u>	<u>1,208</u>	<u>1,170</u>	<u>1,133</u>	<u>1,097</u>	<u>(2,396)</u>	<u>957</u>	<u>936</u>	<u>904</u>	<u>873</u>	<u>842</u>	<u>811</u>	<u>781</u>	<u>(1,627)</u>	<u>685</u>
Cumulative NPV - Capital	1,325	2,610	3,856	5,063	6,233	7,366	8,463	6,067	7,034	7,970	8,874	9,747	10,588	11,399	12,180	10,553	11,238
NPV - Total Cash Flows	<u>2,103</u>	<u>2,023</u>	<u>1,946</u>	<u>1,873</u>	<u>1,801</u>	<u>(1,334)</u>	<u>1,665</u>	<u>(2,569)</u>	<u>1,479</u>	<u>1,421</u>	<u>1,365</u>	<u>(926)</u>	<u>1,256</u>	<u>1,204</u>	<u>1,154</u>	<u>(1,741)</u>	<u>1,020</u>
Cumulative NPV - Total Cash Flows	2,103	4,127	6,073	7,946	9,747	8,413	10,078	7,509	8,988	10,410	11,774	10,848	12,104	13,308	14,462	12,721	13,741
30-Year Differential NPV	17,950																

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FAC 25-6.078 - URD (Low Density) Underground v. Overhead Operational Cost Differential
- Net Present Value (NPV) -

Non-Storm 17,950	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>	<u>2036</u>	<u>2037</u>	<u>2038</u>	<u>2039</u>	<u>2040</u>	<u>2041</u>	<u>2042</u>	<u>2043</u>	(Nominal)
Operating & Maintenance (O&M)														
1. Underground	3,007	3,066	3,127	3,190	3,253	3,319	3,387	3,458	3,529	3,602	3,677	3,754	3,832	87,377
2. Overhead (excl embed VM & Poles)	(2,740)	(2,794)	(2,850)	(2,907)	(2,965)	(3,025)	(3,087)	(3,151)	(3,218)	(3,283)	(3,351)	(3,421)	(3,492)	(79,628)
3. Lost Pole Rental Revenue	814	830	846	863	881	898	917	936	955	975	995	1,016	1,037	23,650
4. Vegetation Management (URD)	(5,529)	0	0	0	0	0	(6,230)	0	0	0	0	0	(7,047)	(28,125)
5. Pole Inspection/Remediation (LD)	0	0	0	0	0	0	(1,608)	0	0	0	0	0	0	(4,160)
6. Litigation (Differential) **	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total O&M Differential	<u>(4,449)</u>	<u>1,102</u>	<u>1,124</u>	<u>1,146</u>	<u>1,169</u>	<u>1,193</u>	<u>(6,621)</u>	<u>1,243</u>	<u>1,268</u>	<u>1,295</u>	<u>1,321</u>	<u>1,349</u>	<u>(5,670)</u>	<u>(885)</u>
NPV - Operating @ 7.45%	<u>(1,312)</u>	<u>302</u>	<u>287</u>	<u>272</u>	<u>259</u>	<u>246</u>	<u>(1,269)</u>	<u>222</u>	<u>210</u>	<u>200</u>	<u>190</u>	<u>180</u>	<u>(706)</u>	
Cumulative NPV - O&M	1,192	1,494	1,781	2,054	2,312	2,558	1,289	1,511	1,721	1,921	2,111	2,292	1,586	
Capital Expenditures														
1. Underground	6,546	6,715	6,889	7,065	7,244	7,432	7,629	7,832	8,036	8,244	8,457	8,676	8,900	188,761
2. Overhead (excl embed Poles)	(4,535)	(4,652)	(4,772)	(4,894)	(5,018)	(5,148)	(5,285)	(5,425)	(5,567)	(5,711)	(5,858)	(6,010)	(6,166)	(130,760)
3. Pole Inspection/Remediation (LD)	0	0	0	0	0	0	(8,423)	0	0	0	0	0	0	(20,895)
4. Property Taxes & Insurance	231	260	290	319	348	376	250	282	314	346	377	409	440	6,743
Total Capital Expenditures Differential	<u>2,242</u>	<u>2,324</u>	<u>2,407</u>	<u>2,490</u>	<u>2,574</u>	<u>2,660</u>	<u>(5,830)</u>	<u>2,688</u>	<u>2,783</u>	<u>2,879</u>	<u>2,976</u>	<u>3,075</u>	<u>3,175</u>	<u>43,849</u>
NPV - Capital @ 7.45%	<u>661</u>	<u>638</u>	<u>615</u>	<u>592</u>	<u>569</u>	<u>548</u>	<u>(1,117)</u>	<u>479</u>	<u>462</u>	<u>445</u>	<u>428</u>	<u>411</u>	<u>395</u>	
Cumulative NPV - Capital	11,899	12,537	13,151	13,743	14,313	14,860	13,743	14,223	14,685	15,129	15,557	15,969	16,364	
NPV - Total Cash Flows	<u>(651)</u>	<u>940</u>	<u>902</u>	<u>864</u>	<u>828</u>	<u>793</u>	<u>(2,386)</u>	<u>701</u>	<u>672</u>	<u>645</u>	<u>618</u>	<u>592</u>	<u>(311)</u>	
Cumulative NPV - Total Cash Flows	13,091	14,031	14,933	15,797	16,625	17,418	15,033	15,734	16,406	17,051	17,668	18,260	17,950	
30-Year Differential NPV														

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FAC 25-6.078 - URD (High Density & Meter Pedestal) Underground v. Overhead Operational Cost Differential
- Net Present Value (NPV) -

Non-Storm 19,228	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Operating & Maintenance (O&M)																
1. Underground	2,165	2,209	2,251	2,296	2,342	2,387	2,434	2,482	2,531	2,580	2,629	2,679	2,731	2,783	2,837	2,891
2. Overhead (excl embed VM & Poles)	(1,973)	(2,013)	(2,051)	(2,093)	(2,134)	(2,176)	(2,218)	(2,262)	(2,307)	(2,351)	(2,396)	(2,442)	(2,489)	(2,536)	(2,585)	(2,635)
3. Lost Pole Rental Revenue	586	598	609	622	634	646	659	672	685	698	712	725	739	753	768	783
4. Vegetation Management (URD)	0	0	0	0	0	(4,391)	0	0	0	0	0	(4,927)	0	0	0	0
5. Pole Inspection/Remediation (HD/MP)	0	0	0	0	0	0	0	(1,026)	0	0	0	0	0	0	0	(1,195)
6. Litigation (Differential) **	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total O&M Differential	778	794	809	825	842	(3,533)	875	(134)	910	927	945	(3,965)	981	1,000	1,019	(158)
NPV - Operating @ 7.45%	778	739	701	665	631	(2,467)	568	(81)	512	486	461	(1,799)	414	393	373	(53)
Cumulative NPV - O&M	778	1,517	2,217	2,882	3,514	1,047	1,616	1,534	2,046	2,532	2,993	1,194	1,608	2,001	2,374	2,321
Capital Expenditures																
1. Underground	4,234	4,334	4,443	4,560	4,682	4,809	4,943	5,081	5,217	5,353	5,488	5,625	5,765	5,910	6,060	6,214
2. Overhead (excl embed Poles)	(2,933)	(3,002)	(3,078)	(3,159)	(3,243)	(3,331)	(3,424)	(3,520)	(3,614)	(3,708)	(3,802)	(3,896)	(3,994)	(4,094)	(4,198)	(4,305)
3. Pole Inspection/Remediation (HD/MP)	0	0	0	0	0	0	0	(4,886)	0	0	0	0	0	0	0	(5,977)
4. Property Taxes & Insurance	24	49	73	97	121	145	169	101	128	154	181	207	233	259	285	199
Total Capital Expenditures Differential	1,325	1,380	1,438	1,498	1,560	1,622	1,688	(3,224)	1,731	1,799	1,867	1,935	2,004	2,075	2,147	(3,869)
NPV - Capital @ 7.45%	1,325	1,285	1,246	1,208	1,170	1,133	1,097	(1,950)	974	942	910	878	846	815	785	(1,317)
Cumulative NPV - Capital	1,325	2,610	3,856	5,063	6,233	7,366	8,463	6,513	7,487	8,430	9,340	10,218	11,064	11,880	12,665	11,348
NPV - Total Cash Flows	2,103	2,023	1,946	1,873	1,801	(1,334)	1,665	(2,031)	1,486	1,428	1,371	(921)	1,261	1,208	1,158	(1,370)
Cumulative NPV - Total Cash Flows	2,103	4,127	6,073	7,946	9,747	8,413	10,078	8,047	9,534	10,962	12,333	11,412	12,673	13,881	15,039	13,669
30-Year Differential NPV	19,228															

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FAC 25-6.078 - URD (High Density & Meter Pedestal) Underground v. Overhead Operational Cost Differential
- Net Present Value (NPV) -

Non-Storm 19,228	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	(Nominal)
Operating & Maintenance (O&M)															
1. Underground	2,948	3,007	3,066	3,127	3,190	3,253	3,319	3,387	3,458	3,529	3,602	3,677	3,754	3,832	87,377
2. Overhead (excl embed VM & Poles)	(2,687)	(2,740)	(2,794)	(2,850)	(2,907)	(2,965)	(3,025)	(3,087)	(3,151)	(3,216)	(3,283)	(3,351)	(3,421)	(3,492)	(79,628)
3. Lost Pole Rental Revenue	798	814	830	846	863	881	898	917	936	955	975	995	1,016	1,037	23,650
4. Vegetation Management (URD)	0	(5,529)	0	0	0	0	0	(6,230)	0	0	0	0	0	(7,047)	(28,125)
5. Pole Inspection/Remediation (HD/MP)	0	0	0	0	0	0	0	(1,400)	0	0	0	0	0	0	(3,622)
6. Litigation (Differential) **	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total O&M Differential	1,059	(4,449)	1,102	1,124	1,146	1,169	1,193	(6,413)	1,243	1,268	1,295	1,321	1,349	(5,670)	(347)
NPV - Operating @ 7.45%	336	(1,312)	302	287	272	259	246	(1,229)	222	210	200	190	180	(706)	
Cumulative NPV - O&M	2,656	1,345	1,647	1,934	2,206	2,465	2,711	1,482	1,703	1,914	2,114	2,304	2,484	1,778	
Capital Expenditures															
1. Underground	6,379	6,546	6,715	6,889	7,065	7,244	7,432	7,629	7,832	8,036	8,244	8,457	8,676	8,900	188,761
2. Overhead (excl embed Poles)	(4,419)	(4,535)	(4,652)	(4,772)	(4,894)	(5,018)	(5,148)	(5,285)	(5,425)	(5,567)	(5,711)	(5,858)	(6,010)	(6,166)	(130,760)
3. Pole Inspection/Remediation (HD/MP)	0	0	0	0	0	0	0	(7,337)	0	0	0	0	0	0	(18,200)
4. Property Taxes & Insurance	227	256	285	313	342	370	397	290	320	351	381	412	442	472	7,281
Total Capital Expenditures Differential	2,187	2,268	2,348	2,430	2,513	2,596	2,681	(4,703)	2,727	2,820	2,914	3,010	3,108	3,207	47,083
NPV - Capital @ 7.45%	693	669	644	621	597	574	552	(901)	486	468	450	433	416	399	
Cumulative NPV - Capital	12,041	12,710	13,354	13,975	14,572	15,147	15,699	14,797	15,284	15,752	16,202	16,634	17,050	17,450	
NPV - Total Cash Flows	1,029	(643)	947	908	870	833	798	(2,130)	708	679	650	623	596	(307)	
Cumulative NPV - Total Cash Flows	14,698	14,054	15,001	15,909	16,779	17,612	18,409	16,279	16,987	17,665	18,316	18,938	19,535	19,228	
30-Year Differential NPV															

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FAC 25-6.078 - URD - Underground v. Overhead Operational Cost Differential - Inputs

LD (n-s)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HD/MP		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Cash Flows (2012 \$)																	
Operating & Maintenance (O&M)																	
i	1. Underground	c	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165
i	2. Overhead (excl embed VM & Poles)	c	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)
i	3. Lost Pole Rental Revenue	c	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586
i	4. Vegetation Management (URD)	c						(3,982)					(3,982)				
i	5. Pole Inspection/Remediation (LD)	c							(1,028)								(1,028)
i	5. Pole Inspection/Remediation (HD/MP)	c							(895)								(895)
i	6. Litigation (Differential) **	c	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n	7. Avoided Storm Restoration (T1-LD)	c	(10,427)				(10,427)					(10,427)					(10,427)
n	7. Avoided Storm Restoration (T1-HD/MP)	c	(12,117)				(12,117)					(12,117)					(12,117)
Capital Expenditures																	
i	1. Underground	p	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234
i	2. Overhead (excl embed Poles)	p	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)
i	3. Pole Inspection/Remediation (LD)	p							(4,675)								(4,675)
i	3. Pole Inspection/Remediation (HD/MP)	p							(4,072)								(4,072)
Rates																	
	Consumer Price Index (CPI)		1.74%	2.01%	1.92%	2.02%	1.98%	1.95%	1.95%	1.99%	1.97%	1.91%	1.92%	1.91%	1.92%	1.90%	1.93%
	Public Utility Private Fixed Investment (PUPFI)		2.24%	2.36%	2.51%	2.63%	2.68%	2.71%	2.80%	2.78%	2.68%	2.61%	2.52%	2.49%	2.50%	2.50%	2.53%
	CPI Multiplier		1.0000	1.0201	1.0397	1.0607	1.0817	1.1028	1.1243	1.1466	1.1692	1.1915	1.2143	1.2376	1.2614	1.2854	1.3102
	PUPFI Multiplier		1.0000	1.0236	1.0494	1.0769	1.1058	1.1357	1.1675	1.2000	1.2322	1.2643	1.2962	1.3284	1.3617	1.3958	1.4312
	Book Depreciation	f	3.02%														
	Income Tax (Composite)		38.575%														
	Property Taxes		1.82%														
	Property Insurance		0.05%														
	Discount Rate (Incremental Cost of Capital)	a	7.45%														
Cost of Capital			<u>Weight</u>	<u>Cost</u>	<u>Wtd Avg</u>												
	Debt		40.4%	4.79%	1.19%												
	Common		59.6%	10.50%	6.26%												
	Discount Rate		100.00%		7.45%												
Lots / Pole-Line Mile			<u>Low</u>	<u>High</u>													
	Lots (customers)		210	176													
	Pole-Line Miles (excl services)		2.4	1.8													
	Lots / Pole-Line Mile		86.2	100.1													

** For confidentiality purposes, litigation costs are embedded in items 1 & 2 above for underground and overhead facilities, respectively

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FAC 25-6.078 - URD - Underground v. Overhead Operational Cost Differential - Inputs

LD (n-s)	17,950	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total	
HD/MP	19,228	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043		
Cash Flows (2012 \$)																	
Operating & Maintenance (O&M)																	
i	1. Underground	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	64,950
i	2. Overhead (excl embed VM & Poles)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(1,973)	(59,190)
i	3. Lost Pole Rental Revenue	586	586	586	586	586	586	586	586	586	586	586	586	586	586	586	17,580
i	4. Vegetation Management (URD)		(3,982)						(3,982)							(3,982)	(19,908)
i	5. Pole Inspection/Remediation (LD)								(1,028)								(3,084)
i	5. Pole Inspection/Remediation (HD/MP)								(895)								(2,685)
i	6. Litigation (Differential) **	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
n	7. Avoided Storm Restoration (T1-LD)					(10,427)					(10,427)						(62,562)
n	7. Avoided Storm Restoration (T1-HD/MP)					(12,117)					(12,117)						(72,700)
Capital Expenditures																	
i	1. Underground	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	4,234	127,020
i	2. Overhead (excl embed Poles)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(2,933)	(87,990)
i	3. Pole Inspection/Remediation (LD)								(4,675)								(14,025)
i	3. Pole Inspection/Remediation (HD/MP)								(4,072)								(12,216)
Rates																	
	Consumer Price Index (CPI)	1.96%	1.98%	1.97%	2.00%	2.00%	2.00%	2.03%	2.05%	2.07%	2.07%	2.07%	2.08%	2.08%	2.08%	2.08%	
	Public Utility Private Fixed Investment (PUPFI)	2.64%	2.63%	2.58%	2.59%	2.55%	2.53%	2.60%	2.65%	2.66%	2.61%	2.59%	2.59%	2.59%	2.59%	2.59%	
	CPI Multiplier	1.3617	1.3887	1.4161	1.4444	1.4732	1.5027	1.5332	1.5647	1.5971	1.6302	1.6639	1.6985	1.7339	1.7700	1.7700	
	PUPFI Multiplier	1.5065	1.5462	1.5860	1.6271	1.6686	1.7109	1.7563	1.8018	1.8497	1.8980	1.9470	1.9974	2.0491	2.1021	2.1021	
	Book Depreciation																
	Income Tax (Composite)																
	Property Taxes																
	Property Insurance																
	Discount Rate (Incremental Cost of Capital)																
Cost of Capital																	
	Debt																
	Common																
	Discount Rate																
Lots / Pole-Line Mile																	
	Lots (customers)																
	Pole-Line Miles (excl services)																
	Lots / Pole-Line Mile																

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FAC 25-6.078 - URD Underground v. Overhead Operational Cost Differential - O&M

A	B	C	D	E	F	G	H	I
1	Acct	Description	5-Year Avg	2012	2011	2010	2009	2008
2	FERC Form 1 Distribution O&M							
3	580	Operation - Supervision & Engineering	18,532,327	19,368,334	19,031,592	16,170,955	17,382,672	20,708,082
4	581	Operation - Load Dispatching	852,247	1,540,929	831,810	660,141	662,800	565,553
5	582	Operation - Station	2,713,787	2,808,045	2,717,340	2,669,184	2,674,695	2,699,670
6	583	Operation - Overhead Line	7,890,215	4,007,169	5,284,780	10,900,181	11,140,239	8,118,704
7	584	Operation - Underground Line	6,416,571	6,663,894	5,865,586	5,941,959	6,653,564	6,957,852
8	585	Operation - Street Lighting & Signal Systems	2,943,306	1,628,003	2,732,357	3,013,836	3,282,745	4,059,587
9	586	Operation - Meters	8,194,141	7,628,038	8,503,666	9,856,654	7,023,612	7,958,734
10	587	Operation - Customer Installation	1,775,527	1,858,998	1,224,121	2,270,801	931,249	2,592,465
11	588	Operation - Miscellaneous Distribution	26,219,718	26,720,593	28,238,453	25,711,877	19,941,447	30,486,219
12	589	Operation - Rents	8,548,270	9,333,480	8,086,291	8,524,352	8,439,364	8,357,864
13	590	Maintenance - Supervision & Engineering	17,693,744	20,095,871	18,642,308	16,994,824	16,137,964	16,597,751
14	591	Maintenance - Structures	537,624	646,692	548,841	682,366	414,353	395,868
15	592	Maintenance - Station Equipment	9,086,500	9,444,042	10,344,720	9,091,162	8,889,200	7,663,378
16	593	Maintenance - Overhead Line	110,224,332	122,768,694	122,293,684	102,642,861	95,539,565	107,876,858
17	594	Maintenance - Underground Line	31,864,824	31,452,289	32,135,515	35,279,394	30,906,098	29,550,823
18	595	Maintenance - Line Transformers	567,251	42,067	137,268	718,654	717,880	1,220,384
19	596	Maintenance - Street Lighting & Signal Systems	6,914,302	9,459,608	6,633,136	5,550,830	5,796,545	7,131,391
20	597	Maintenance - Meters	3,179,906	5,408,844	3,858,990	2,271,141	2,185,074	2,175,481
21	598	Maintenance - Miscellaneous Distribution Plant	6,334,157	5,488,418	6,904,179	6,126,975	6,115,513	7,035,701
22		Total O&M	270,488,747	286,364,008	284,014,637	265,078,147	244,834,579	272,152,365
23								

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FAC 25-6.078 - URD Underground v. Overhead Operational Cost Differential - O&M

A	B	C	D	E	F	G	H	I
1	Acct	Description	5-Year Avg	2012	2011	2010	2009	2008
24	Adjustments							
25	580	Operation - Supervision & Engineering	(5,079,954)	(4,324,347)	(5,292,032)	(4,159,774)	(5,197,102)	(6,426,516)
26	(a)	Operation - Supervision & Engineering	(3,010,308)	(3,199,603)	(2,562,594)	(3,030,349)	(2,499,871)	(3,753,123)
27	581	Operation - Load Dispatching	(852,247)	(1,540,929)	(831,810)	(660,141)	(662,800)	(565,553)
28	582	Operation - Station	(2,713,787)	(2,808,045)	(2,717,340)	(2,669,184)	(2,674,695)	(2,699,670)
29	583	Operation - Overhead Line	(4,315,411)	(2,271,301)	(4,204,203)	(5,389,718)	(4,588,199)	(5,123,632)
30	584	Operation - Underground Line	(291,716)	(28,001)	(44,804)	(61,475)	(1,105,029)	(219,271)
31	585	Operation - Street Lighting & Signal Systems	(2,943,306)	(1,628,003)	(2,732,357)	(3,013,836)	(3,282,745)	(4,059,587)
32	586	Operation - Meters	(8,194,141)	(7,628,038)	(8,503,666)	(9,856,654)	(7,023,612)	(7,958,734)
33	587	Operation - Customer Installation	(1,775,527)	(1,858,998)	(1,224,121)	(2,270,801)	(931,249)	(2,592,465)
34	588	Operation - Miscellaneous Distribution	(4,574,904)	(4,092,714)	(1,626,307)	(5,151,778)	(3,579,750)	(8,423,973)
35	590	Maintenance - Supervision & Engineering	(1,744,056)	(2,619,980)	(2,271,988)	(1,549,443)	(1,096,878)	(1,181,993)
36	(a)	Maintenance - Supervision & Engineering	(7,278,269)	(8,219,845)	(7,471,539)	(6,786,602)	(6,649,316)	(7,264,044)
37	591	Maintenance - Structures	(537,624)	(646,692)	(548,841)	(682,366)	(414,353)	(395,868)
38	592	Maintenance - Station Equipment	(9,086,500)	(9,444,042)	(10,344,720)	(9,091,162)	(8,889,200)	(7,663,378)
39	593	Maintenance - Overhead Line	(61,633,463)	(68,463,913)	(67,042,557)	(58,706,283)	(52,684,447)	(61,270,117)
40	594	Maintenance - Underground Line	(2,441,730)	(2,472,779)	(1,678,870)	(1,841,188)	(2,625,994)	(3,589,817)
41	595	Maintenance - Line Transformers	(174,784)	-	(898,711)	9,489	9,222	6,078
42	596	Maintenance - Street Lighting & Signal Systems	(6,914,302)	(9,459,608)	(6,633,136)	(5,550,830)	(5,796,545)	(7,131,391)
43	597	Maintenance - Meters	(3,179,906)	(5,408,844)	(3,858,990)	(2,271,141)	(2,185,074)	(2,175,481)
44	598	Maintenance - Miscellaneous Distribution Plant	(6,361,726)	(5,780,093)	(6,881,352)	(6,154,475)	(6,299,444)	(6,693,268)
45	Total Adjustments		(133,103,661)	(141,895,775)	(137,375,938)	(128,887,711)	(118,177,079)	(139,181,803)
46								

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FAC 25-6.078 - URD Underground v. Overhead Operational Cost Differential - O&M

	A	B	C	D	E	F	G	H	I
1	Acct	Description	5-Year Avg	2012	2011	2010	2009	2008	
47	Op Cost Diff Relevant O&M (excl. Vegetation & Pole Programs)								
48	580	Operation - Supervision & Engineering	10,442,065	11,844,384	11,170,966	8,980,832	9,685,699	10,528,443	
49	581	Operation - Load Dispatching	-	-	-	-	-	-	
50	582	Operation - Station	-	-	-	-	-	-	
51	583	Operation - Overhead Line	3,574,804	1,735,868	1,080,577	5,510,463	6,552,040	2,995,072	
52	584	Operation - Underground Line	6,124,855	6,635,893	5,820,782	5,880,484	5,548,535	6,738,581	
53	585	Operation - Street Lighting & Signal Systems	-	-	-	-	-	-	
54	586	Operation - Meters	-	-	-	-	-	-	
55	587	Operation - Customer Installation	-	-	-	-	-	-	
56	588	Operation - Miscellaneous Distribution	21,644,813	22,627,879	26,612,146	20,560,099	16,361,697	22,062,246	
57	589	Operation - Rents	8,548,270	9,333,480	8,086,291	8,524,352	8,439,364	8,357,864	
58	590	Maintenance - Supervision & Engineering	8,671,418	9,256,046	8,898,781	8,658,779	8,391,772	8,151,714	
59	591	Maintenance - Structures	-	-	-	-	-	-	
60	592	Maintenance - Station Equipment	-	-	-	-	-	-	
61	593	Maintenance - Overhead Line	48,590,869	54,304,781	55,251,127	43,936,578	42,855,118	48,606,741	
62	594	Maintenance - Underground Line	29,423,094	28,979,510	30,456,645	33,438,206	28,280,104	25,961,006	
63	595	Maintenance - Line Transformers	392,466	42,067	(761,443)	728,143	727,102	1,226,462	
64	596	Maintenance - Street Lighting & Signal Systems	-	-	-	-	-	-	
65	597	Maintenance - Meters	-	-	-	-	-	-	
66	598	Maintenance - Miscellaneous Distribution Plant	(27,569)	(291,675)	22,827	(27,500)	(183,931)	342,433	
67		Maintenance - Miscellaneous Distribution Plant	<u>137,385,086</u>	<u>144,468,233</u>	<u>146,638,699</u>	<u>136,190,436</u>	<u>126,657,500</u>	<u>132,970,562</u>	
68									

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FAC 25-6.078 - URD Underground v. Overhead Operational Cost Differential - O&M

	A	B	C	D	E	F	G	H	I
	Acct		Description	5-Year Avg	2012	2011	2010	2009	2008
68			Underground Op Cost Diff Relevant O&M						
70	(b)	580	Operation - Supervision & Engineering	4,984,425	7,396,613	5,876,423	3,168,465	3,621,734	4,858,892
71		584	Operation - Underground Line	6,124,855	6,635,893	5,820,782	5,880,484	5,548,535	6,738,581
72	(b)	588	Operation - Miscellaneous Distribution	10,336,674	14,130,718	13,999,167	7,253,666	6,118,062	10,181,758
73	(b)	590	Maintenance - Supervision & Engineering	3,296,360	3,141,096	3,040,286	3,802,445	3,469,497	3,028,474
74		594	Maintenance - Underground Line	29,423,094	28,979,510	30,456,545	33,438,206	28,280,104	25,961,006
75	(b)	595	Maintenance - Line Transformers	166,029	14,276	(260,148)	319,759	300,613	455,648
76	(b)	598	Maintenance - Miscellaneous Distribution Plant	(10,417)	(98,962)	7,799	(12,076)	(76,045)	127,219
77			Subtotal Underground O&M	54,321,021	60,199,124	58,940,952	53,850,950	47,262,501	51,351,577
78									
79			Overhead Op Cost Diff Relevant O&M						
80	(b)	580	Operation - Supervision & Engineering	5,457,640	4,447,771	5,294,544	5,812,367	6,063,965	5,669,552
81		583	Operation - Overhead Line	3,574,804	1,735,868	1,080,577	5,510,463	6,552,040	2,995,072
82	(b)	588	Operation - Miscellaneous Distribution	11,308,139	8,497,161	12,612,979	13,306,433	10,243,635	11,880,488
83		589	Operation - Rents	8,548,270	9,333,480	8,086,291	8,524,352	8,439,364	8,357,864
84	(b)	590	Maintenance - Supervision & Engineering	5,375,059	6,114,950	5,858,495	4,856,334	4,922,275	5,123,240
85		593	Maintenance - Overhead Line	43,590,869	54,304,781	55,251,127	43,936,578	42,855,118	46,606,741
86	(b)	595	Maintenance - Line Transformers	226,437	27,791	(501,295)	408,384	426,489	770,814
87	(b)	598	Maintenance - Miscellaneous Distribution Plant	(17,152)	(192,693)	15,028	(15,424)	(107,886)	215,214
88			Subtotal Overhead O&M	83,064,065	84,269,109	87,697,747	82,339,486	79,394,999	81,618,985
89									
90									
91									
92			Pole-Line Miles (PLM)						
93			Underground (trench)		25,207	25,111	25,045	25,074	24,981
94			Overhead (pole line)		42,331	42,334	42,312	41,848	41,668
95			Total		67,538	67,445	67,357	66,922	66,649
96									
97			Op Cost Diff Relevant O&M [per PLM]						
98			1. Underground	2,165	2,388	2,347	2,150	1,885	2,056
99			2. Overhead (excl. embedded Vegetation & Pole Programs)	(1,973)	(1,991)	(2,072)	(1,946)	(1,897)	(1,959)
100			Differential	192	397	276	204	(12)	97
101									
102									
103									

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FAC 25-6.078 - URD Underground v. Overhead Operational Cost Differential - O&M

	A	B	C	D	E	F	G	H	I
	Acct		Description	5-Year Avg	2012	2011	2010	2009	2008
104	(a) Non-P&W Supervision & Engineering Allocation % (non-substation)								
105	Operations								
106	580		Operation - Supervision & Engineering Total		19,368,334	19,031,592	16,170,955	17,382,672	20,708,082
107	580		Various Adjustments		(4,324,347)	(5,292,032)	(4,159,774)	(5,197,102)	(6,426,516)
108			Adjusted Operation - Supervision & Engineering		<u>15,043,987</u>	<u>13,739,560</u>	<u>12,011,181</u>	<u>12,185,570</u>	<u>14,281,566</u>
109	58*		Total Operations (incl. Supervision & Engineering)		81,557,483	82,515,996	85,719,940	78,132,387	92,504,730
110	582		Operation - Station		(2,808,045)	(2,717,340)	(2,869,184)	(2,674,695)	(2,699,670)
111			Non-Substation Total		<u>78,749,438</u>	<u>79,798,656</u>	<u>83,050,756</u>	<u>75,457,692</u>	<u>89,805,060</u>
112			Operations - % of Total (580 adjustment)		19%	17%	14%	16%	16%
113									
114	Maintenance								
115	590		Maintenance - Supervision & Engineering		20,095,871	18,642,308	16,994,824	16,137,964	16,597,751
116	590	590.200	- Substation Distrib Maint Supv & Engineer		(2,619,980)	(2,271,988)	(1,549,443)	(1,096,876)	(1,181,993)
117			Non-Substation Supervision & Engineering		<u>17,475,891</u>	<u>16,370,320</u>	<u>15,445,381</u>	<u>15,041,088</u>	<u>15,415,758</u>
118	59*		Total Operations (incl. Supervision & Engineering)		204,806,525	201,498,641	179,358,207	166,702,192	179,647,635
119	59*		Maintenance - Structures & Station Equipment		(10,090,734)	(10,893,561)	(9,773,528)	(9,303,553)	(8,059,246)
120			Non-Substation Total		<u>194,715,791</u>	<u>190,605,080</u>	<u>169,584,679</u>	<u>157,398,639</u>	<u>171,588,389</u>
121			Maintenance - % of Total (590 adjustment)		9%	9%	9%	10%	9%
122									
123	(b) Overhead v. Underground Allocation % *								
124			Operations - Overhead Line [583 / (583+584)]	53%	38%	47%	65%	63%	54%
125			Maintenance - Overhead Line [593 / (593+594)]	62%	66%	66%	56%	59%	63%
126			* Applied to Supervision, Miscellaneous & Transformers						
127			* Maintenance Excludes Vegetation Adjustments						
128									
129									

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FAC 25-6.078 - URD Underground v. Overhead Operational Cost Differential - O&M

	A	B	C	D	E	F	G	H	I
1	Acct		Description	5-Year Avg	2012	2011	2010	2009	2008
130	Lost Pole Rental Revenues [per PLM]								
131	454.300 - CATV			6,583,803	6,954,352	6,782,235	6,488,897	6,302,260	6,391,273
132	454.400 - BellSouth Joint Use, 454.611 - Fibernet			18,067,358	17,257,420	15,944,141	19,163,485	18,523,036	19,448,711
133	Subtotal Pole Rental Revenues			24,651,162	24,211,773	22,726,376	25,652,381	24,825,295	25,839,984
134									
135	3. Lost Pole Rental Revenues [per PLM]			536	572	537	606	593	620
136									
138									
139	Vegetation Management [per PLM]								
140	Actual Cost (2013)			(63,151,881)					
141	Actual Trimmed Miles (2013)			15,861					
142	Cost / PLM (nominal \$)			(3,982)					
143	Adjustment for FPL Policies (e.g., RTRP, etc.)			-100%					
144	Net Cost / PLM (nominal \$)			(3,982)					
145	CPI Multiplier			1.0000	<i>no need to discount since using 2013 actuals</i>				
146	4. Vegetation Management [per PLM]			(3,982)					
147									
149									
150	Pole Inspection / Remediation [per PLM]								
151				<u>Low Density</u>	<u>High / Meter</u>				
152	Non-Service Poles			75	48				
153	Pole-Line Miles (excl services)			2.4	1.8				
154	Poles / Line Mile			31	27				
155									
156				<u>Strength</u>	<u>Quantity</u>	<u>Cost / Pole</u>		<u>Cost / PLM</u>	
157	Low Density					O&M	Capital	O&M	Capital
158	Inspections				31	(16)	(21)	(488)	(654)
159	Reinforcements - CT Truss (CCA)			0.41%	0.1	-	(358)	-	(45)
160	Reinforcements - ET Truss (CCA)			3.23%	1.0	-	(1,126)	-	(1,127)
161	Replacements (CCA)			2.54%	0.8	(685)	(3,618)	(540)	(2,849)
162	5. & 3. LD Pole Inspect/Remed [per PLM]							(1,023)	(4,675)
163	High Density / Meter Pedestal								
164	Inspections				27	(16)	(21)	(425)	(569)
165	Reinforcements - CT Truss (CCA)			0.41%	0.1	-	(358)	-	(40)
166	Reinforcements - ET Truss (CCA)			3.23%	0.9	-	(1,126)	-	(982)
167	Replacements (CCA)			2.54%	0.7	(685)	(3,618)	(470)	(2,481)
168	5. & 3. HD/MP Pole Inspect/Remed [per PLM]							(395)	(4,072)

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FAC 25-6.078 - URD Underground v. Overhead Operational Cost Differential - Capital Expenditures

	A	B	C	D	E	F	G	H	I	J
1	Acct			Description	5-Year Avg	2012	2011	2010	2009	2008
2	FERC Form 1 Distribution Capital - Underground									
3	Plant-in-Service Additions									
4	366	Conduit & Structures			43,599,409	47,348,468	32,482,182	30,045,110	42,374,005	65,747,280
5	367	Conductors & Devices			82,690,235	94,232,747	82,021,595	55,833,327	81,021,631	100,341,877
6	368	Transformers			37,894,677	39,668,150	37,634,064	31,982,799	32,182,809	48,005,565
7	Removal Costs									
8	Total Underground				<u>164,184,322</u>	<u>181,249,365</u>	<u>152,137,841</u>	<u>117,861,236</u>	<u>155,578,445</u>	<u>214,094,722</u>
9										
10	FERC Form 1 Distribution Capital - Overhead									
11	Plant-in-Service Additions									
12	364	Poles, Towers & Fixtures			60,275,055	78,962,063	58,455,764	59,417,522	54,322,195	50,217,730
13	365	Overhead Conductors & Devices			50,257,134	57,045,636	51,711,301	43,944,646	46,956,419	51,527,620
14	368	Transformers			45,190,022	47,304,916	44,879,235	38,140,010	38,378,526	57,247,421
15	Removal Costs									
16	Total Overhead				<u>155,722,211</u>	<u>183,312,664</u>	<u>155,046,300</u>	<u>141,502,178</u>	<u>139,657,140</u>	<u>159,092,771</u>
17						51%	51%	45%	55%	62%
18										
19	Adjustments - Underground									
20	Plant-in-Service Additions									
21	366	Conduit & Structures			(18,529,990)	(13,022,097)	(9,426,366)	(16,059,301)	(21,182,577)	(32,959,610)
22	367	Conductors & Devices			(35,515,919)	(28,564,387)	(30,006,210)	(30,276,228)	(38,482,208)	(50,250,562)
23	368	Transformers			(6,465,164)	(8,079,845)	(7,492,819)	(5,185,990)	(4,181,704)	(7,385,463)
24	Removal Costs									
25	Total Underground				<u>(60,511,074)</u>	<u>(49,666,329)</u>	<u>(46,925,395)</u>	<u>(51,521,519)</u>	<u>(63,846,489)</u>	<u>(90,595,635)</u>
26										
27	Adjustments - Overhead									
28	Plant-in-Service Additions									
29	364	Poles, Towers & Fixtures			(27,525,946)	(35,516,303)	(28,594,162)	(35,621,198)	(17,802,198)	(20,095,869)
30	365	Overhead Conductors & Devices			(18,010,559)	(16,595,487)	(15,262,785)	(26,036,237)	(14,302,191)	(17,856,096)
31	368	Transformers			(7,709,814)	(9,635,347)	(8,935,309)	(6,184,378)	(4,986,751)	(8,807,285)
32	Removal Costs									
33	Total Overhead				<u>(53,246,319)</u>	<u>(61,747,137)</u>	<u>(52,792,256)</u>	<u>(67,841,813)</u>	<u>(37,091,140)</u>	<u>(46,759,250)</u>
34										
35										

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FAC 25-6.078 - URD Underground v. Overhead Operational Cost Differential - Capital Expenditures

1	A	B	C	D	E	F	G	H	I	J
	Acct	Description			5-Year Avg	2012	2011	2010	2009	2008
36	Op Cost Diff Relevant Capital - Underground									
37	Plant-in-Service Additions									
38	366	Conduit & Structures			25,069,419	34,326,371	23,055,816	13,985,809	21,191,428	32,787,670
39	367	Conductors & Devices			47,174,316	65,668,360	52,015,385	25,557,099	42,539,423	50,091,315
40	368	Transformers			31,429,513	31,588,305	30,141,245	26,796,809	28,001,105	40,620,102
41	Removal Costs				2,558,866	1,653,147	3,508,963	2,242,904	2,971,775	2,417,541
42	Total Underground				106,232,114	133,236,183	108,721,408	68,582,621	94,703,732	125,916,628
43										
44	Op Cost Diff Relevant Capital - Overhead (excl. embed Pole Prog)									
45	Plant-in-Service Additions									
46	364	Poles, Towers & Fixtures			32,749,109	43,445,760	29,861,602	23,796,324	36,519,997	30,121,861
47	365	Overhead Conductors & Devices			32,246,575	40,450,198	36,448,516	17,908,409	32,654,228	33,771,524
48	368	Transformers			37,480,208	37,669,569	35,943,926	31,955,632	33,391,775	48,440,135
49	Removal Costs				20,936,663	13,805,788	16,725,693	29,367,750	23,195,646	21,588,438
50	Total Overhead				123,412,554	135,371,315	118,979,737	103,028,115	125,761,646	133,921,958
51										
52										
53										
54										
55	Pole-Line Miles (PLM)									
56	Underground (trench)					25,207	25,111	25,045	25,074	24,981
57	Overhead (pole line)					42,331	42,334	42,312	41,848	41,668
58	Total					67,538	67,445	67,357	66,922	66,649
59										
60										
61	Capital Expenditures [per PLM]									
62	1. Underground				4,234	5,286	4,330	2,738	3,777	5,040
63	2. Overhead (excl. embedded Pole Program)				(2,933)	(3,198)	(2,811)	(2,435)	(3,005)	(3,214)
64	Differential				1,301	2,088	1,519	303	772	1,826

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FAC 25-6.078 - URD (Low Density) Underground v. Overhead Operational Cost Differential - Property Taxes & Insurance

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Capital																		
1. Underground	4,234	4,334	4,443	4,560	4,682	4,809	4,943	5,081	5,217	5,353	5,488	5,625	5,765	5,910	6,060	6,214	6,379	
2. Overhead (excl embed Poles)	(2,933)	(3,002)	(3,078)	(3,159)	(3,243)	(3,331)	(3,424)	(3,520)	(3,614)	(3,708)	(3,802)	(3,896)	(3,994)	(4,094)	(4,198)	(4,305)	(4,419)	
3. Pole Inspection/Remediation (LD)	0	0	0	0	0	0	0	(5,610)	0	0	0	0	0	0	0	(6,862)	0	
Total Capital	1,301	1,332	1,365	1,401	1,439	1,478	1,519	(4,049)	1,603	1,645	1,686	1,728	1,772	1,816	1,862	(4,952)	1,960	
Undepreciated Balance	1,301	2,633	3,998	5,399	6,838	8,315	9,834	5,786	7,389	9,034	10,720	12,448	14,220	16,036	17,898	12,945	14,905	
Accum Book Depreciation																		
2007	1,301	0	39	79	118	157	196	236	275	314	354	393	432	471	511	550	589	629
2008	1,332	0	40	80	121	161	201	241	282	322	362	402	442	483	523	563	603	
2009	1,365		0	41	82	124	165	206	247	289	330	371	412	454	495	536	577	
2010	1,401			0	42	85	127	169	212	254	296	339	381	423	465	508	550	
2011	1,439				0	43	87	130	174	217	261	304	348	391	434	478	521	
2012	1,478					0	45	89	134	178	223	268	312	357	402	446	491	
2013	1,519						0	46	92	138	183	229	275	321	367	413	459	
2014	(4,049)							0	(122)	(245)	(367)	(489)	(611)	(734)	(856)	(978)	(1,100)	
2015	1,603								0	48	97	145	194	242	290	339	387	
2016	1,645									0	50	99	149	199	248	298	348	
2017	1,686										0	51	102	153	204	255	306	
2018	1,728											0	52	104	157	209	261	
2019	1,772												0	54	107	161	214	
2020	1,816													0	55	110	165	
2021	1,862														0	56	112	
2022	(4,952)															0	(150)	
2023	1,960																0	
2024	2,012																	
2025	2,063																	
2026	2,117																	
2027	2,171																	
2028	2,226																	
2029	2,284																	
2030	(6,079)																	
2031	2,406																	
2032	2,469																	
2033	2,533																	
2034	2,599																	
2035	2,666																	
2036	2,735																	
Total Book Depreciation	37,106	0	39	119	240	403	609	860	1,157	1,332	1,555	1,828	2,152	2,528	2,957	3,441	3,982	4,373
Depreciated Balance	1,301	2,593	3,879	5,160	6,435	7,706	8,974	4,628	5,057	7,478	8,892	10,297	11,692	13,079	14,456	8,964	10,533	
Property Taxes	24	47	71	94	117	140	163	84	110	136	162	187	213	238	263	163	192	

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FAC 25-6.078 - URD (Low Density) Underground v. Overhead Operational Cost Differential - Property Taxes & Insurance

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	
	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	
Replacement Value																		
2007	1,301	1,301	1,327	1,353	1,380	1,407	1,435	1,463	1,492	1,521	1,550	1,580	1,610	1,641	1,672	1,705	1,737	1,772
2008	1,332	1,332	1,359	1,385	1,413	1,441	1,469	1,497	1,527	1,557	1,587	1,617	1,648	1,680	1,712	1,745	1,779	
2009	1,365		1,365	1,393	1,419	1,448	1,477	1,506	1,535	1,565	1,596	1,627	1,658	1,690	1,722	1,755	1,789	
2010	1,401			1,401	1,429	1,457	1,486	1,516	1,545	1,575	1,607	1,638	1,669	1,701	1,734	1,767	1,801	
2011	1,439				1,439	1,468	1,496	1,526	1,556	1,586	1,617	1,650	1,682	1,714	1,747	1,780	1,815	
2012	1,478					1,478	1,507	1,536	1,567	1,598	1,629	1,661	1,694	1,728	1,761	1,794	1,829	
2013	1,519						1,519	1,550	1,579	1,611	1,643	1,675	1,708	1,742	1,776	1,810	1,845	
2014	(4,049)							(4,049)	(4,130)	(4,209)	(4,294)	(4,379)	(4,465)	(4,552)	(4,642)	(4,734)	(4,824)	
2015	1,603								1,603	1,635	1,667	1,700	1,734	1,768	1,802	1,838	1,874	
2016	1,645									1,645	1,678	1,710	1,745	1,779	1,814	1,849	1,886	
2017	1,686										1,686	1,720	1,753	1,789	1,824	1,860	1,896	
2018	1,728											1,728	1,763	1,797	1,833	1,869	1,906	
2019	1,772												1,772	1,807	1,842	1,879	1,916	
2020	1,816													1,816	1,852	1,888	1,925	
2021	1,862														1,862	1,899	1,936	
2022	(4,952)																(4,952)	(5,052)
2023	1,960																	1,960
2024	2,012																	
2025	2,063																	
2026	2,117																	
2027	2,171																	
2028	2,226																	
2029	2,284																	
2030	(6,079)																	
2031	2,406																	
2032	2,469																	
2033	2,533																	
2034	2,599																	
2035	2,666																	
2036	2,735																	
Total Replacement Value	37,106	1,301	2,659	4,076	5,558	7,107	8,725	10,416	6,573	8,304	10,115	11,996	13,958	16,002	18,130	20,343	15,786	18,052
Property Insurance		1	1	2	3	4	5	6	3	4	5	6	7	8	10	11	8	10

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FAC 25-6.078 - URD (Low Density) Underground v. Overhead Operational Cost Differential - Property Taxes & Insurance

	18	19	20	21	22	23	24	25	26	27	28	29	30
	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Capital													
1. Underground	6,546	6,715	6,889	7,065	7,244	7,432	7,629	7,832	8,036	8,244	8,457	8,676	8,900
2. Overhead (excl embed Poles)	(4,535)	(4,652)	(4,772)	(4,894)	(5,018)	(5,148)	(5,285)	(5,425)	(5,567)	(5,711)	(5,858)	(6,010)	(6,166)
3. Pole Inspection/Remediation	0	0	0	0	0	0	(8,423)	0	0	0	0	0	0
Total Capital	2,012	2,063	2,117	2,171	2,226	2,284	(6,079)	2,406	2,469	2,533	2,599	2,666	2,735
Undepreciated Balance	16,917	18,980	21,097	23,268	25,494	27,777	21,698	24,105	26,574	29,107	31,706	34,371	37,106
Accum Book Depreciation													
2007	668	707	747	786	825	864	904	943	982	1,022	1,061	1,100	1,139
2008	644	684	724	764	804	845	885	925	965	1,005	1,046	1,086	1,126
2009	618	660	701	742	783	825	866	907	948	990	1,031	1,072	1,113
2010	592	635	677	719	762	804	846	889	931	973	1,016	1,058	1,100
2011	565	608	652	695	739	782	826	869	912	956	999	1,043	1,086
2012	535	580	625	669	714	759	803	848	892	937	982	1,026	1,071
2013	505	550	596	642	688	734	780	826	872	917	963	1,009	1,055
2014	(1,223)	(1,345)	(1,467)	(1,590)	(1,712)	(1,834)	(1,956)	(2,079)	(2,201)	(2,323)	(2,445)	(2,568)	(2,690)
2015	436	484	533	581	629	678	726	775	823	871	920	968	1,017
2016	397	447	497	546	596	646	695	745	795	844	894	944	993
2017	356	407	458	509	560	611	662	713	764	815	866	917	968
2018	313	365	418	470	522	574	626	679	731	783	835	887	940
2019	268	321	375	428	482	535	589	642	696	749	803	856	910
2020	219	274	329	384	439	494	548	603	658	713	768	823	877
2021	169	225	281	337	394	450	506	562	619	675	731	787	843
2022	(299)	(449)	(598)	(748)	(897)	(1,047)	(1,196)	(1,346)	(1,496)	(1,645)	(1,795)	(1,944)	(2,094)
2023	59	118	178	237	296	355	414	474	533	592	651	710	769
2024	0	61	121	182	243	304	364	425	486	547	607	668	729
2025		0	62	125	187	249	312	374	436	499	561	623	685
2026			0	64	128	192	256	320	384	447	511	575	639
2027				0	66	131	197	262	328	393	459	524	590
2028					0	67	134	202	269	336	403	471	538
2029						0	69	138	207	276	345	414	483
2030							0	(184)	(367)	(551)	(734)	(918)	(1,102)
2031								0	73	145	218	291	363
2032									0	75	149	224	298
2033										0	76	153	229
2034											0	78	157
2035												0	81
2036													0
Total Book Depreciation	4,823	5,334	5,907	6,544	7,247	8,017	8,856	9,511	10,239	11,041	11,920	12,878	13,916
Depreciated Balance	12,094	13,647	15,190	16,724	18,247	19,761	12,843	14,594	16,335	18,066	19,785	21,494	23,190
Property Taxes	220	248	276	304	332	360	234	266	297	329	360	391	422

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	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>
	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>	<u>2036</u>	<u>2037</u>	<u>2038</u>	<u>2039</u>	<u>2040</u>	<u>2041</u>	<u>2042</u>	<u>2043</u>
Replacement Value													
2007	1,807	1,842	1,879	1,917	1,955	1,995	2,036	2,078	2,121	2,165	2,210	2,256	2,303
2008	1,813	1,849	1,886	1,924	1,962	2,001	2,042	2,084	2,127	2,171	2,216	2,262	2,309
2009	1,823	1,859	1,896	1,933	1,972	2,011	2,052	2,093	2,136	2,180	2,226	2,272	2,319
2010	1,836	1,871	1,908	1,946	1,984	2,024	2,064	2,105	2,148	2,192	2,238	2,284	2,331
2011	1,849	1,885	1,921	1,959	1,998	2,037	2,078	2,119	2,162	2,206	2,251	2,298	2,345
2012	1,864	1,899	1,936	1,973	2,012	2,052	2,092	2,134	2,177	2,220	2,265	2,312	2,360
2013	1,880	1,916	1,952	1,990	2,028	2,068	2,109	2,151	2,194	2,238	2,283	2,329	2,377
2014	(4,917)	(5,011)	(5,107)	(5,204)	(5,305)	(5,407)	(5,513)	(5,622)	(5,733)	(5,848)	(5,965)	(6,084)	(6,207)
2015	1,910	1,947	1,984	2,022	2,061	2,100	2,141	2,183	2,226	2,270	2,315	2,362	2,409
2016	1,923	1,960	1,997	2,036	2,075	2,114	2,155	2,197	2,240	2,284	2,329	2,376	2,423
2017	1,934	1,972	2,009	2,048	2,087	2,127	2,168	2,209	2,252	2,296	2,342	2,388	2,436
2018	1,943	1,982	2,021	2,059	2,099	2,139	2,180	2,222	2,264	2,308	2,353	2,400	2,447
2019	1,954	1,992	2,031	2,071	2,111	2,151	2,192	2,235	2,277	2,321	2,366	2,412	2,460
2020	1,964	2,003	2,042	2,082	2,123	2,164	2,205	2,247	2,291	2,334	2,379	2,425	2,473
2021	1,975	2,014	2,053	2,093	2,135	2,177	2,219	2,261	2,304	2,349	2,393	2,440	2,487
2022	(5,149)	(5,253)	(5,357)	(5,461)	(5,568)	(5,678)	(5,790)	(5,901)	(6,014)	(6,129)	(6,246)	(6,365)	(6,486)
2023	1,999	2,038	2,079	2,120	2,161	2,204	2,247	2,292	2,335	2,380	2,426	2,472	2,519
2024	2,012	2,052	2,091	2,134	2,176	2,218	2,261	2,306	2,352	2,397	2,443	2,489	2,537
2025		2,063	2,105	2,145	2,189	2,232	2,275	2,320	2,366	2,412	2,459	2,506	2,554
2026			2,117	2,159	2,201	2,245	2,290	2,334	2,380	2,427	2,475	2,522	2,571
2027				2,171	2,214	2,257	2,303	2,348	2,394	2,441	2,489	2,538	2,587
2028					2,226	2,271	134	202	269	336	403	471	538
2029						0	69	138	207	276	345	414	483
2030							0	(184)	(367)	(551)	(734)	(918)	(1,102)
2031								0	73	145	218	291	363
2032									0	75	149	224	298
2033										0	76	153	229
2034											0	78	157
2035												0	81
2036													0
Total Replacement Value	20,420	22,880	25,445	28,117	30,896	31,502	30,009	30,551	31,180	31,896	32,704	33,605	34,598
Property Insurance	11	12	13	15	16	17	16	16	17	17	17	18	18

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Capital																		
1. Underground	4,234	4,334	4,443	4,560	4,682	4,809	4,943	5,081	5,217	5,353	5,488	5,625	5,765	5,910	6,060	6,214	6,379	
2. Overhead (excl embed Poles)	(2,933)	(3,002)	(3,078)	(3,159)	(3,243)	(3,331)	(3,424)	(3,520)	(3,614)	(3,708)	(3,802)	(3,896)	(3,994)	(4,094)	(4,198)	(4,305)	(4,419)	
3. Pole Inspection/Remediation (HD/MP)	0	0	0	0	0	0	0	(4,886)	0	0	0	0	0	0	0	(5,977)	0	
Total Capital	1,301	1,332	1,365	1,401	1,439	1,478	1,519	(3,325)	1,603	1,645	1,686	1,728	1,772	1,816	1,862	(4,067)	1,960	
Undepreciated Balance	1,301	2,633	3,998	5,399	6,838	8,315	9,834	6,509	8,112	9,757	11,443	13,172	14,943	16,769	18,621	14,554	16,514	
Accum Book Depreciation																		
2007	1,301	0	39	79	118	157	196	236	275	314	354	393	432	471	511	550	589	629
2008	1,332	0	40	80	121	161	201	241	282	322	362	402	442	483	523	563	603	
2009	1,365		0	41	82	124	165	206	247	289	330	371	412	454	495	536	577	
2010	1,401			0	42	85	127	169	212	254	296	339	381	423	465	508	550	
2011	1,439				0	43	87	130	174	217	261	304	348	391	434	478	521	
2012	1,478					0	45	89	134	178	223	268	312	357	402	446	491	
2013	1,519						0	46	92	138	183	229	275	321	367	413	459	
2014	(3,325)							0	(100)	(201)	(301)	(402)	(502)	(603)	(703)	(803)	(904)	
2015	1,603								0	48	97	145	194	242	290	339	387	
2016	1,645									0	50	99	149	199	248	298	348	
2017	1,686										0	51	102	153	204	255	306	
2018	1,728											0	52	104	157	209	261	
2019	1,772												0	54	107	161	214	
2020	1,816													0	55	110	165	
2021	1,862														0	56	112	
2022	(4,067)															0	(123)	
2023	1,960																0	
2024	2,012																	
2025	2,063																	
2026	2,117																	
2027	2,171																	
2028	2,228																	
2029	2,284																	
2030	(4,993)																	
2031	2,406																	
2032	2,469																	
2033	2,533																	
2034	2,599																	
2035	2,666																	
2036	2,735																	
Total Book Depreciation	39,802	0	39	119	240	403	609	860	1,157	1,354	1,599	1,893	2,239	2,637	3,088	3,594	4,157	4,596
Depreciated Balance	1,301	2,593	3,879	5,160	6,435	7,706	8,974	5,352	6,758	8,158	9,550	10,933	12,306	13,671	15,027	10,397	11,918	
Property Taxes	24	47	71	94	117	140	163	97	123	148	174	199	224	249	273	189	217	

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	
Replacement Value																		
2007	1,301	1,301	1,327	1,353	1,380	1,407	1,435	1,463	1,492	1,521	1,550	1,580	1,610	1,641	1,672	1,705	1,737	1,772
2008	1,332	1,332	1,359	1,385	1,413	1,441	1,469	1,497	1,527	1,557	1,587	1,617	1,648	1,680	1,712	1,745	1,779	
2009	1,365		1,365	1,393	1,419	1,448	1,477	1,506	1,535	1,565	1,596	1,627	1,658	1,690	1,722	1,755	1,789	
2010	1,401			1,401	1,429	1,457	1,486	1,516	1,545	1,575	1,607	1,638	1,669	1,701	1,734	1,767	1,801	
2011	1,439				1,439	1,468	1,496	1,526	1,556	1,586	1,617	1,650	1,682	1,714	1,747	1,780	1,815	
2012	1,478					1,478	1,507	1,536	1,567	1,598	1,629	1,661	1,694	1,726	1,761	1,794	1,829	
2013	1,519						1,519	1,550	1,579	1,611	1,643	1,675	1,708	1,742	1,776	1,810	1,845	
2014	(3,325)								(3,325)	(3,392)	(3,457)	(3,527)	(3,597)	(3,667)	(3,738)	(3,813)	(3,888)	(3,962)
2015	1,603								1,603	1,635	1,667	1,700	1,734	1,768	1,802	1,838	1,874	
2016	1,645									1,645	1,678	1,710	1,745	1,779	1,814	1,849	1,886	
2017	1,686										1,686	1,720	1,753	1,789	1,824	1,860	1,896	
2018	1,728											1,728	1,763	1,797	1,833	1,869	1,906	
2019	1,772												1,772	1,807	1,842	1,879	1,916	
2020	1,816													1,816	1,852	1,888	1,926	
2021	1,862														1,862	1,899	1,936	
2022	(4,067)																(4,067)	(4,149)
2023	1,960																	1,960
2024	2,012																	
2025	2,063																	
2026	2,117																	
2027	2,171																	
2028	2,226																	
2029	2,284																	
2030	(4,993)																	
2031	2,406																	
2032	2,469																	
2033	2,533																	
2034	2,599																	
2035	2,666																	
2036	2,735																	
Total Replacement Value	39,802	1,301	2,669	4,076	5,558	7,107	8,725	10,416	12,297	14,262	16,317	18,472	20,727	23,092	25,567	28,152	30,857	33,682
Property Insurance	1	1	2	3	4	5	6	4	5	6	7	8	9	10	11	9	11	

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	18	19	20	21	22	23	24	25	26	27	28	29	30
	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Capital													
1. Underground	6,546	6,715	6,889	7,065	7,244	7,432	7,629	7,832	8,036	8,244	8,457	8,676	8,900
2. Overhead (excl embed Poles)	(4,535)	(4,652)	(4,772)	(4,894)	(5,018)	(5,148)	(5,285)	(5,425)	(5,567)	(5,711)	(5,858)	(6,010)	(6,166)
3. Pole Inspection/Remediation	0	0	0	0	0	0	(7,337)	0	0	0	0	0	0
Total Capital	2,012	2,063	2,117	2,171	2,226	2,284	(4,993)	2,406	2,469	2,533	2,599	2,666	2,735
Undepreciated Balance	18,526	20,589	22,706	24,877	27,102	29,386	24,393	26,800	29,269	31,802	34,401	37,067	39,802
Accum Book Depreciation													
2007	668	707	747	786	825	864	904	943	982	1,022	1,061	1,100	1,139
2008	644	684	724	764	804	845	885	925	965	1,005	1,046	1,086	1,125
2009	618	660	701	742	783	825	866	907	948	990	1,031	1,072	1,113
2010	592	635	677	719	762	804	846	889	931	973	1,016	1,058	1,100
2011	565	608	652	695	739	782	826	869	912	956	999	1,043	1,086
2012	535	580	625	669	714	759	803	848	892	937	982	1,026	1,071
2013	505	550	596	642	688	734	780	826	872	917	963	1,009	1,055
2014	(1,004)	(1,105)	(1,205)	(1,305)	(1,406)	(1,506)	(1,607)	(1,707)	(1,808)	(1,908)	(2,008)	(2,109)	(2,209)
2015	436	484	533	581	629	678	726	775	823	871	920	968	1,017
2016	397	447	497	546	596	646	695	745	795	844	894	944	993
2017	356	407	458	509	560	611	662	713	764	815	866	917	968
2018	313	365	418	470	522	574	626	679	731	783	835	887	940
2019	268	321	375	428	482	535	589	642	696	749	803	856	910
2020	219	274	329	384	439	494	548	603	658	713	768	823	877
2021	169	225	281	337	394	450	506	562	619	675	731	787	843
2022	(246)	(368)	(491)	(614)	(737)	(860)	(983)	(1,105)	(1,228)	(1,351)	(1,474)	(1,597)	(1,720)
2023	59	118	178	237	296	355	414	474	533	592	651	710	769
2024	0	61	121	182	243	304	364	425	486	547	607	668	729
2025		0	62	125	187	249	312	374	436	499	561	623	685
2026			0	64	128	192	256	320	384	447	511	575	639
2027				0	66	131	197	262	328	393	459	524	590
2028					0	67	134	202	269	336	403	471	538
2029						0	69	138	207	276	345	414	483
2030							0	(151)	(302)	(452)	(603)	(754)	(905)
2031								0	73	145	218	291	363
2032									0	75	149	224	298
2033										0	76	153	229
2034											0	78	157
2035												0	81
2036													0
Total Book Depreciation	5,095	5,654	6,276	6,962	7,713	8,532	9,419	10,156	10,965	11,849	12,809	13,848	14,968
Depreciated Balance	13,431	14,935	16,430	17,915	19,389	20,855	14,974	16,644	18,304	19,953	21,591	23,218	24,834
Property Taxes	244	272	299	326	353	380	273	303	333	363	393	423	452

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	<u>18</u> <u>2031</u>	<u>19</u> <u>2032</u>	<u>20</u> <u>2033</u>	<u>21</u> <u>2034</u>	<u>22</u> <u>2035</u>	<u>23</u> <u>2036</u>	<u>24</u> <u>2037</u>	<u>25</u> <u>2038</u>	<u>26</u> <u>2039</u>	<u>27</u> <u>2040</u>	<u>28</u> <u>2041</u>	<u>29</u> <u>2042</u>	<u>30</u> <u>2043</u>
Replacement Value													
2007	1,807	1,842	1,879	1,917	1,955	1,995	2,036	2,078	2,121	2,165	2,210	2,256	2,303
2008	1,813	1,849	1,886	1,924	1,962	2,001	2,042	2,084	2,127	2,171	2,216	2,262	2,309
2009	1,823	1,859	1,896	1,933	1,972	2,011	2,052	2,093	2,136	2,180	2,226	2,272	2,319
2010	1,836	1,871	1,908	1,946	1,984	2,024	2,064	2,105	2,148	2,192	2,238	2,284	2,331
2011	1,849	1,885	1,921	1,959	1,998	2,037	2,078	2,119	2,162	2,206	2,251	2,298	2,345
2012	1,864	1,899	1,936	1,973	2,012	2,052	2,092	2,134	2,177	2,220	2,265	2,312	2,360
2013	1,880	1,916	1,952	1,990	2,028	2,068	2,109	2,151	2,194	2,238	2,283	2,329	2,377
2014	(4,038)	(4,115)	(4,194)	(4,274)	(4,357)	(4,441)	(4,528)	(4,618)	(4,709)	(4,803)	(4,899)	(4,997)	(5,098)
2015	1,910	1,947	1,984	2,022	2,061	2,100	2,141	2,183	2,226	2,270	2,315	2,362	2,409
2016	1,923	1,960	1,997	2,036	2,075	2,114	2,155	2,197	2,240	2,284	2,329	2,376	2,423
2017	1,934	1,972	2,009	2,048	2,087	2,127	2,168	2,209	2,252	2,296	2,342	2,388	2,436
2018	1,943	1,982	2,021	2,059	2,099	2,139	2,180	2,222	2,264	2,308	2,353	2,400	2,447
2019	1,954	1,992	2,031	2,071	2,111	2,151	2,192	2,235	2,277	2,321	2,366	2,412	2,460
2020	1,964	2,003	2,042	2,082	2,123	2,164	2,205	2,247	2,291	2,334	2,379	2,425	2,473
2021	1,975	2,014	2,053	2,093	2,135	2,177	2,219	2,261	2,304	2,349	2,393	2,440	2,487
2022	(4,229)	(4,314)	(4,399)	(4,485)	(4,573)	(4,663)	(4,755)	(4,846)	(4,939)	(5,033)	(5,130)	(5,228)	(5,329)
2023	1,999	2,038	2,079	2,120	2,161	2,204	2,247	2,292	2,335	2,380	2,426	2,472	2,519
2024	2,012	2,052	2,091	2,134	2,176	2,218	2,261	2,306	2,352	2,397	2,443	2,489	2,537
2025		2,063	2,105	2,145	2,189	2,232	2,275	2,320	2,366	2,412	2,459	2,506	2,554
2026			2,117	2,159	2,201	2,245	2,290	2,334	2,380	2,427	2,475	2,522	2,571
2027				2,171	2,214	2,257	2,303	2,348	2,394	2,441	2,489	2,538	2,587
2028					2,226	2,271	134	202	269	336	403	471	538
2029						0	69	138	207	276	345	414	483
2030							0	(151)	(302)	(452)	(603)	(754)	(905)
2031								0	73	145	218	291	363
2032									0	75	149	224	298
2033										0	76	153	229
2034											0	78	157
2035												0	81
2036													0
Total Replacement Value	22,219	24,714	27,315	30,023	32,839	33,484	32,029	32,644	33,345	34,135	35,017	35,994	37,064
Property Insurance	12	13	14	16	17	18	17	17	18	18	19	19	20

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