AMERICAN ELECTRIC POWER
BOUNDLESS ENERGY™

Legal Department

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December 26, 2018

Barcy F. McNeal
Docketing Division Chief
Public Utilities Commission of Ohio
180 East Broad Street
Columbus Ohio 43215-3793

Steven T. Nourse
Chief Ohio Regulatory Counsel
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Re: *In the Matter of the Distribution Investment Rider for Ohio Power Company*, Case No. 14-1696-EL-RDR

Dear Ms. McNeal:

Through the Opinion and Order issued February 25, 2015 in Case No. 13-2385-EL-SSO et al. (ESP III), the Commission modified and approved the Company's proposal to continue the Distribution Investment Rider (DIR). As part of the Commission's approval of the DIR, it ordered that the Company include additional information in its filing based on the recommendation of the Staff. The Company has complied with this order and included the additional information in this filing.

The Company submits its DIR adjustment based on investment data from the FERC Form 3Q for the 3rd quarter of 2018. Included in the adjustment is the over/under recovery for September 2018 plant actual balances.
Through its May 28 ESP III Second Entry on Rehearing Order, the Commission established the DIR annual cap allowance. The Company is including calculations on the DIR Cap analysis schedule that increases the 2018 cap by the difference between the 2012, 2013, 2014, 2015, 2016, 2017 and 2018 DIR revenue and the approved $86,000,000 2012 cap, prorated to represent the partial year, $104,000,000 2013 cap, $124,000,000 2014 cap, $145,000,000 2015 cap, 165,000,000 2016 cap and $190,000,000 for the 2017 cap. The Company's calculations reflect the Commission's April 25, 2018 entry in Case No. 16-1852-EL-SSO, which set the 2018 cap at $215,000,000.

On November 13, 2013, the Commission approved the Company's proposal to include the Deferred Asset Recovery Rider (DARR) under-recovery true-up in the DIR rates effective Cycle 1 December 2013. In this DIR filing, included in the true-up of the DIR revenue collected in December 2013, the Company has adjusted the

DIR Over/Under calculation to exclude the revenue attributable to the DARR under-recovery revenue requirement.

On March 14, 2018, the Commission approved a joint the stipulation that purports to resolve all the issues in the consolidated DIR cases (the 2013 DIR Case, 2014 DIR Case, and 2015 DIR Case). The Approval includes a one-time reduction of the DIR revenue requirement to address the timing of AEP Ohio's implementation of the capital repairs deduction, to be reflected in the 1st Quarter 2018 DIR update.

Through its order on November 28, 2012 in Case No. 12-2627-EL-RDR, the Commission clarified that future DIR filings should be automatically approved 60 days after the application is filed, with the new rate to take effect on the proposed effective date, unless the 60-day period is suspended by the Commission. The Company is updating its DIR to be effective on the first billing cycle of March 2019 unless otherwise ordered by the Commission.

Thank you for your attention to this matter.

Respectfully Submitted,

//s/ Steven T. Nourse

cc: Parties of Record

AEP Ohio Distribution Investment Rider September 2018

Line		Return		Depreciation		Property Tax		Total
1	Distribution Plant as of 8/31/2010	$	3,345,925,000	$ 3,345,925,000	$	3,345,925,000		
2	Accumulated Depreciation as of 8/31/2010	$	1,253,173,000	$ -	$	1,253,173,000		
3=1-2	Net Distribution Plant	$	2,092,752,000	$ 3,345,925,000	$	2,092,752,000		
4								
5	September 2018 Distribution Plant	$	4,823,134,722	$ 4,823,134,722	$	4,823,134,722		
6	Accumulated Depreciation September 2018	$	1,592,933,673		$	1,592,933,673		
7=5-6	Net Distribution Plant	$	3,230,201,049	$ 4,823,134,722	$	3,230,201,049		
8								
9=7-3	Change in Distribution Net Plant	$	1,137,449,049	$ 1,477,209,722	$	1,137,449,049		
10								
11	Remove Plant Held for Future Use	$	18,085	$ -	$	18,085		
12								
13	gridSMART I Net Plant Adjustment (Not subject to 2017 Rider Revenue Cap)	$	11,577,246	$ 21,430,541	$	11,577,246		
14								
15	gridSMART II Net Plant Adjustment (Recovered through GS Rider)	$	67,740,217	$ 76,005,495	$	67,740,217		
16								
17	Incremental Veg Mgmt Net Plant Adjustment (Recovered through Rider)	$	34,797,140	$ 43,098,781	$	34,797,140		
18								
19	EEPDR Net Plant Adjustment (Recovered through EEPDR Rider)	$	2,007,859	$ 2,404,388	$	2,007,859		
20								
21	Incremental ADIT/Theorectical Reserve Offset	$	489,665,357	$ -	$	230,544,452		
22								
23=9-11-13-15-17-19-21	Adjusted Change in Distribution Plant	$	531,643,146	$ 1,334,270,517	$	790,764,051		
24								
25	Carrying Charge Rate		9.21%	3.58%		5.66%		18.45%
26								
27=23*25	Initial Rider Revenue	$	48,964,334	$ 47,766,885	$	44,757,245	$	141,488,464
28								
29	Revenue Offset Provided in Distribution Stipulation		21,575,133	21,047,501		19,721,365	$	62,344,000
30								
31=27+29	Revised Rider Revenue	$	70,539,467	$ 68,814,386	$	64,478,611	$	203,832,464
32								
33	Gross Up Factor (CAT)	$	70,722,869	$ 68,993,303	$	64,646,255		100.26%
34								
35=27*29	Revised Grossed Up Revenue	$	70,722,869	$ 68,993,303	$	64,646,255	$	204,362,428
36								
37	Remove Excess ADIT Amortization Not subject to Cap						$	(234,948)
38								
39	2018 Rider Revenue Cap						$	240,284,437
40								
41=35+36	2018 Rider Revenue before inclusion of GS Phase I assets(lesser of line 35 & 37)						$	204,127,480
42								
43	Total gridSMART Assets (Previously Collected through GS Phase I Rider)	$	11,973,809	$ 26,311,003	$	11,973,809	$	2,729,518
44								
45	Normalized ADIT Pass Back Not subject to Cap						$	(3,265,529)
46								
47	Add back ADIT Amortization not subject to cap						$	234,948
48								
49=41+43+45+47	2018 Rider Revenue						$	203,826,417
50								
51	(Over)/Under (Based on October 2018 Actuals)		(1,518,037)	(1,480,912)		(1,387,605)	$	(4,386,553)
52								
53=49+51	2017 Fully Adjusted Revenue Requirement						$	199,439,864
54								
55	Annual Base Distribution Revenue (12 months ending September 2018)							$644,759,264.93
56								
57=53/55	AEP Ohio Percentage of Base Distribution Revenue							30.93245%

DISTRIBUTION UTILITY PLANT ADFIT
ACTUAL BALANCES
Account 2821001

DISTRIBUTION	D Case Filing Balance @ 8/31/2010	Actual Book Balance @ 12/31/2011	Actual Book Balance @ 12/31/2012	Actual Book Balance @ 12/31/2013	Actual Book Balance @ 12/31/2014	Actual Book Balance @ 12/31/2015	Actual Book Balance @ 12/31/2016	Actual Book Balance @ 3/31/2017	Actual Book Balance @ 6/30/2017	Actual Book Balance @ 9/30/2017	Actual Book Balance @ 12/31/2017	Actual Book Balance @ 1/31/2018	Actual Book Balance @ 2/28/2018	Actual Book Balance @ 3/31/2018	Actual Book Balance @ 4/30/2018	Actual Book Balance @ 5/31/2018	Actual Book Balance @ 6/30/2018	Actual Book Balance @ 7/31/2018	Actual Book Balance @ 8/31/2018	Actual Book Balance @ 9/30/2018
ADFIT - A/C 282 (Utility Property)	(328,328,000)	(420,358,000)	(477,005,603)	(527,003,174)	(586,506,790)	(653,437,064)	(694,575,485)	(723,197,543)	(751,611,570)	(779,995,653)	(828,593,970)	(833,228,777)	(834,893,180)	(837,999,724)	(839,750,136)	(841,633,300)	(843,374,369)	(845,137,421)	(846,390,966)	(817,993,357)

AEP Ohio Net Book Value September 2018

gl_account	utility_account	month	book_cost	allocated_reserve	net_book_value
1010001 Plant In Service	36000 - Land	09/2018	17,064,266.02	3,810.22	17,060,455.80
1060001 Completd Constr not Classif	36000 - Land	09/2018	-	-	-
1010001 Plant In Service	36010 - Land Rights	09/2018	47,275,562.72	9,939.71	47,265,623.01
1060001 Completd Constr not Classif	36010 - Land Rights	09/2018	250.00	-	250.00
1010001 Plant In Service	36100 - Structures and Improvements	09/2018	22,331,354.73	10,175,127.53	12,156,227.20
1060001 Completd Constr not Classif	36100 - Structures and Improvements	09/2018	5,035,742.06	42,358.17	4,993,383.89
1010001 Plant In Service	36200 - Station Equipment	09/2018	690,700,679.61	210,826,418.57	479,874,261.04
1060001 Completd Constr not Classif	36200 - Station Equipment	09/2018	54,386,026.80	958,210.61	53,427,816.19
1010001 Plant In Service	36216 - Station Equipment-SmartGrid	09/2018	160,599.60	3,640.51	156,959.09
1060001 Completd Constr not Classif	36216 - Station Equipment-SmartGrid	09/2018	699,040.94	4,791.37	694,249.57
1010001 Plant In Service	36300 - Storage Battery Equipment	09/2018	5,117,365.68	3,475,207.11	1,642,158.57
1060001 Completd Constr not Classif	36300 - Storage Battery Equipment	09/2018	-	-	-
1010001 Plant In Service	36400 - Poles, Towers and Fixtures	09/2018	736,888,805.42	402,195,038.64	334,693,766.78
1060001 Completd Constr not Classif	36400 - Poles, Towers and Fixtures	09/2018	18,288,925.33	333,152.77	17,955,772.56
1010001 Plant In Service	36500 - Overhead Conductors, Device	09/2018	762,233,141.29	178,706,708.93	583,526,432.36
1060001 Completd Constr not Classif	36500 - Overhead Conductors, Device	09/2018	31,512,866.14	456,549.38	31,056,316.76
1010001 Plant In Service	36600 - Underground Conduit	09/2018	262,567,344.75	56,651,151.91	205,916,192.84
1060001 Completd Constr not Classif	36600 - Underground Conduit	09/2018	13,069,183.41	148,977.23	12,920,206.18
1010001 Plant In Service	36700 - Undergrnd Conductors,Device	09/2018	653,706,805.35	247,431,620.55	406,275,184.80
1060001 Completd Constr not Classif	36700 - Undergrnd Conductors,Device	09/2018	25,156,541.68	443,166.39	24,713,375.29
1010001 Plant In Service	36800 - Line Transformers	09/2018	782,577,018.51	267,165,627.25	515,411,391.26
1060001 Completd Constr not Classif	36800 - Line Transformers	09/2018	21,780,384.00	298,308.93	21,482,075.07
1010001 Plant In Service	36900 - Services	09/2018	335,326,031.37	146,903,348.68	188,422,682.69
1060001 Completd Constr not Classif	36900 - Services	09/2018	1,219,546.77	19,476.51	1,200,070.26
1010001 Plant In Service	37000 - Meters	09/2018	146,489,195.36	(877,475.98)	147,366,671.34
1060001 Completd Constr not Classif	37000 - Meters	09/2018	45,676.24	(58.65)	45,734.89
1010001 Plant In Service	37016 - AMI Meters	09/2018	89,136,022.53	17,658,105.11	71,477,917.42
1060001 Completd Constr not Classif	37016 - AMI Meters	09/2018	1,330,608.58	38,001.36	1,292,607.22
1010001 Plant In Service	37100 - Installs Customer Premises	09/2018	58,123,512.87	46,688,444.59	11,435,068.28
1060001 Completd Constr not Classif	37100 - Installs Customer Premises	09/2018	225,030.60	7,991.39	217,039.21
1010001 Plant In Service	37200 - Leased Prop Cust Premises	09/2018	103,067.00	78,068.75	24,998.25
1010001 Plant In Service	37300 - Street Lghtng & Signal Sys	09/2018	40,292,140.05	20,964,708.69	19,327,431.36
1060001 Completd Constr not Classif	37300 - Street Lghtng & Signal Sys	09/2018	291,986.68	6,624.47	285,362.21
			4,823,134,722.09	1,610,817,040.70	3,212,317,681.39
		RWIP		(17,883,367.83)	
			4,823,134,722.09	1,592,933,672.87	3,230,201,049.22

Net Book Value AEP Ohio gridSMART Assets September 2018

company	utility_account	cc_rate_codes	month	book_cost	allocated_reserve	net_book_value
Ohio Power - Distr	30300 - Intangible Property	gridSMART	09/2018	2,674,042.79	2,674,042.79	-
	Total Intangible			2,674,042.79	2,674,042.79	-
Ohio Power - Distr	36200 - Station Equipment	gridSMART	09/2018	4,728,168.83	732,652.89	3,995,515.94
Ohio Power - Distr	36400 - Poles, Towers and Fixtures	gridSMART	09/2018	350,216.63	87,626.15	262,590.48
Ohio Power - Distr	36500 - Overhead Conductors, Device	gridSMART	09/2018	5,321,007.14	853,531.67	4,467,475.47
Ohio Power - Distr	36600 - Underground Conduit	gridSMART	09/2018	1,707.38	187.31	1,520.07
Ohio Power - Distr	36700 - Undergrnd Conductors,Device	gridSMART	09/2018	8,242.70	1,345.51	6,897.19
Ohio Power - Distr	36800 - Line Transformers	gridSMART	09/2018	1,625,521.22	349,610.82	1,275,910.40
Ohio Power - Distr	36900 - Services	gridSMART	09/2018	97,397.65	17,507.75	79,889.90
Ohio Power - Distr	37000 - Meters	gridSMART	09/2018	-	-	-
Ohio Power - Distr	37016 - AMI Meters	gridSMART	09/2018	9,200,195.64	7,771,340.58	1,428,855.06
Ohio Power - Distr	37100 - Installs Customer Premises	gridSMART	09/2018	95,614.87	38,727.17	56,887.70
Ohio Power - Distr	37300 - Street Lghtng & Signal Sys	gridSMART	09/2018	2,469.35	765.59	1,703.76
	Total Distribution			21,430,541.41	9,853,295.44	11,577,245.97
Ohio Power - Distr	39700 - Communication Equipment	gridSMART	09/2018	-	-	-
Ohio Power - Distr	39716 - GridSmart Communic Equip	gridSMART	09/2018	1,961,047.75	1,691,725.94	269,321.81
Ohio Power - Distr	39800 - Miscellaneous Equipment	gridSMART	09/2018	245,370.69	118,129.11	127,241.58
	Total General			2,206,418.44	1,809,855.05	396,563.39
	Total GS			26,311,002.64	14,337,193.28	11,973,809.36

Net Book Value AEP Ohio gridSMART Assets September 2018

company	utility_account	cc_rate_codes	month	book_cost	allocated_reserve	net_book_value
Ohio Power - Distr	36200 - Station Equipr	Ohio gridSMART Phase 2	09/2018	629,281.17	4,350.25	624,930.92
Ohio Power - Distr	36216 - Station Equipr	Ohio gridSMART Phase 2	09/2018	90,597.12	620.73	89,976.39
Ohio Power - Distr	36400 - Poles, Towers	Ohio gridSMART Phase 2	09/2018	32,088.66	389.11	31,699.55
Ohio Power - Distr	36500 - Overhead Con	Ohio gridSMART Phase 2	09/2018	116,019.71	1,339.05	114,680.66
Ohio Power - Distr	36600 - Underground	Ohio gridSMART Phase 2	09/2018	20,140.44	111.71	20,028.73
Ohio Power - Distr	36700 - Undergrnd Co	Ohio gridSMART Phase 2	09/2018	6.13	0.05	6.08
Ohio Power - Distr	36800 - Line Transforn	Ohio gridSMART Phase 2	09/2018	173,801.32	2,128.70	171,672.62
Ohio Power - Distr	36900 - Services	Ohio gridSMART Phase 2	09/2018	587.21	4.49	582.72
Ohio Power - Distr	37000 - Meters	Ohio gridSMART Phase 2	09/2018	8,095.87	(4.48)	8,100.35
Ohio Power - Distr	37016 - AMI Meters	Ohio gridSMART Phase 2	09/2018	68,967,266.71	3,448,184.98	65,519,081.73
		Additional 22,000 AMI meters	09/2018	5,967,610.89	4,808,153.82	1,159,457.07
	Total Distribution			76,005,495.23	8,265,278.41	67,740,216.82

Additional AMI Meter Data						
		Capital Expenditure	Cummulative Gross Plant	Net Plant	Depreciation	Accumulated Depreciation
2012	May	$5,967,610.89	$5,967,610.89	$5,967,610.89	$0.00	$0.00
2012	June		$5,967,610.89	$5,896,546.59	$71,064.30	$71,064.30
2012	July		$5,967,610.89	$5,825,482.29	$71,064.30	$142,128.60
2012	August		$5,967,610.89	$5,754,417.99	$71,064.30	$213,192.90
2012	September		$5,967,610.89	$5,683,353.69	$71,064.30	$284,257.20
2012	October		$5,967,610.89	$5,612,289.39	$71,064.30	$355,321.50
2012	November		$5,967,610.89	$5,541,225.09	$71,064.30	$426,385.80
2012	December		$5,967,610.89	$5,470,160.79	$71,064.30	$497,450.10
2013	December		$5,967,610.89	$4,617,389.20	$71,064.30	$1,350,221.69
2014	December		$5,967,610.89	$3,764,617.60	$71,064.30	$2,202,993.29
2015	December		$5,967,610.89	$2,911,846.00	$71,064.30	$3,055,764.89
2016	December		$5,967,610.89	$2,059,074.41	$71,064.30	$3,908,536.48
2017	January		$5,967,610.89	$1,988,010.11	$71,064.30	$3,979,600.78
2017	February		$5,967,610.89	$1,916,945.81	$71,064.30	$4,050,665.08
2017	March		$5,967,610.89	$1,876,167.13	$40,778.67	$4,091,443.76
2017	April		$5,967,610.89	$1,835,388.46	$40,778.67	$4,132,222.43
2017	May		$5,967,610.89	$1,794,609.78	$40,778.67	$4,173,001.11
2017	June		$5,967,610.89	$1,753,831.11	$40,778.67	$4,213,779.78
2017	July		$5,967,610.89	$1,713,052.44	$40,778.67	$4,254,558.45
2017	August		$5,967,610.89	$1,672,273.76	$40,778.67	$4,295,337.13
2017	September		$5,967,610.89	$1,631,495.09	$40,778.67	$4,336,115.80
2017	October		$5,967,610.89	$1,590,716.41	$40,778.67	$4,376,894.48
2017	November		$5,967,610.89	$1,549,937.74	$40,778.67	$4,417,673.15
2017	December		$5,967,610.89	$1,509,159.06	$40,778.67	$4,458,451.83
2018	January		$5,967,610.89	$1,468,380.39	$40,778.67	$4,499,230.50
2018	February		$5,967,610.89	$1,427,601.72	$40,778.67	$4,540,009.17
2018	March		$5,967,610.89	$1,386,823.04	$40,778.67	$4,580,787.85
2018	April		$5,967,610.89	$1,346,044.37	$40,778.67	$4,621,566.52
2018	May		$5,967,610.89	$1,305,265.69	$40,778.67	$4,662,345.20
2018	June		$5,967,610.89	$1,268,813.54	$36,452.16	$4,698,797.35
2018	July		$5,967,610.89	$1,232,361.38	$36,452.16	$4,735,249.51
2018	August		$5,967,610.89	$1,195,909.22	$36,452.16	$4,771,701.67
2018	September		$5,967,610.89	$1,159,457.07	$36,452.16	$4,808,153.82

	Total Capital Spend									2.86%	4.00%					3.30%	3.63%
month number	CSP	OPC	Merged	Remove Base CSP	CSP Incremental	CSP Cummulative Incremental	Remove Base OPCo	OPCO Incremental	OPCO Cummulative Incremental	CSP Depreciation	OPCo Depreciation	Remove Base Combined	Remove Outside ROW	Incremental	Combined Cummulative Incremental	Combined Depreciation	
200901	$ 104,724	$ 187,059		$ 65,809	$ 38,915	$ 38,915	$ 136,656	$ 50,403	$ 50,403					$ 89,318			
200902	$ 114,757	$ 181,141	$ -	$ 66,398	$ 48,359	$ 87,273	$ 116,663	$ 64,478	$ 114,880	$ 93	$ 168			$ 112,836			
200903	$ 185,456	$ 325,269	$ -	$ 97,710	$ 87,746	$ 175,020	$ 206,231	$ 119,038	$ 233,918	$ 208	$ 383			$ 206,784			
200904	$ 149,513	$ 418,705	$ -	$ 138,973	$ 10,540	$ 185,559	$ 255,896	$ 162,809	$ 396,727	$ 417	$ 780			$ 173,349			
200905	$ 300,530	$ 746,872	$ -	$ 229,935	$ 70,595	$ 256,154	$ 289,474	$ 457,398	$ 854,125	$ 442	$ 1,322			$ 527,993			
200906	$ 231,571	$ 386,671	$ -	$ 79,621	$ 151,950	$ 408,104	$ 224,192	$ 162,479	$ 1,016,605	$ 611	$ 2,847			$ 314,429			
200907	$ 244,585	$ 541,455	$ -	$ 132,439	$ 112,146	$ 520,250	$ 184,069	$ 357,386	$ 1,373,990	$ 973	$ 3,389			$ 469,532			
200908	$ 214,666	$ 180,036	$ -	$ 107,287	$ 107,379	$ 627,629	$ 216,113	$ (36,077)	$ 1,337,914	$ 1,240	$ 4,580			$ 71,302			
200909	$ 187,440	$ 290,979	$ -	$ 16,309	$ 171,131	$ 798,760	$ 226,225	$ 64,754	$ 1,402,667	$ 1,496	$ 4,460			$ 235,885			
200910	$ 455,658	$ 822,415	$ -	$ 60,780	$ 394,878	$ 1,193,638	$ 184,145	$ 638,270	$ 2,040,937	$ 1,904	$ 4,676			$ 1,033,148			
200911	$ 686,483	$ 578,379	$ -	$ 95,597	$ 590,886	$ 1,784,524	$ 139,913	$ 438,466	$ 2,479,403	$ 2,845	$ 6,803			$ 1,029,352			
200912	$ 998,822	$ 582,985	$ -	$ 116,810	$ 882,012	$ 2,666,536	$ 242,341	$ 340,644	$ 2,820,047	$ 4,253	$ 8,265			$ 1,222,656			
201001	$ 610,600	$ 231,600	$ -	$ 65,809	$ 544,791	$ 3,211,327	$ 136,656	$ 94,944	$ 2,914,991	$ 6,355	$ 9,400			$ 639,735			
201002	$ 101,405	$ 126,837	$ -	$ 66,398	$ 35,007	$ 3,246,334	$ 116,663	$ 10,174	$ 2,925,164	$ 7,654	$ 9,717			$ 45,180			
201003	$ 245,797	$ 393,086	$ -	$ 97,710	$ 148,087	$ 3,394,421	$ 206,231	$ 186,855	$ 3,112,019	$ 7,737	$ 9,751			$ 334,942			
201004	$ 337,530	$ 546,620	$ -	$ 138,973	$ 198,557	$ 3,592,978	$ 255,896	$ 290,724	$ 3,402,743	$ 8,090	$ 10,373			$ 489,281			
201005	$ 427,796	$ 626,308	$ -	$ 229,935	$ 197,861	$ 3,790,838	$ 289,474	$ 336,834	$ 3,739,577	$ 8,563	$ 11,342			$ 534,695			
201006	$ 291,600	$ 448,774	$ -	$ 79,621	$ 211,979	$ 4,002,817	$ 224,192	$ 224,582	$ 3,964,160	$ 9,035	$ 12,465			$ 436,561			
201007	$ 409,080	$ 411,784	$ -	$ 132,439	$ 276,641	$ 4,279,458	$ 184,069	$ 227,715	$ 4,191,874	$ 9,540	$ 13,214			$ 504,356			
201008	$ 445,525	$ 486,963	$ -	$ 107,287	$ 338,238	$ 4,617,696	$ 216,113	$ 270,850	$ 4,462,725	$ 10,199	$ 13,973			$ 609,088			
201009	$ 383,478	$ 784,754	$ -	$ 16,309	$ 367,169	$ 4,984,865	$ 226,225	$ 558,529	$ 5,021,253	$ 11,006	$ 14,876			$ 925,698			
201010	$ 520,171	$ 716,631	$ -	$ 60,780	$ 459,391	$ 5,444,256	$ 184,145	$ 532,486	$ 5,553,740	$ 11,881	$ 16,738			$ 991,877			
201011	$ 571,699	$ 756,862	$ -	$ 95,597	$ 476,102	$ 5,920,358	$ 139,913	$ 616,949	$ 6,170,688	$ 12,975	$ 18,512			$ 1,093,051			
201012	$ 472,255	$ 971,781	$ -	$ 116,810	$ 355,445	$ 6,275,803	$ 242,341	$ 729,440	$ 6,900,128	$ 14,110	$ 20,569			$ 1,084,885			
201101	$ 204,113	$ 81,919	$ -	$ 65,809	$ 138,304	$ 6,414,107	$ 136,656	$ (54,737)	$ 6,845,391	$ 14,957	$ 23,000			$ 83,567			
201102	$ 202,054	$ 645,215	$ -	$ 66,398	$ 135,656	$ 6,549,763	$ 116,663	$ 528,552	$ 7,373,942	$ 15,287	$ 22,818			$ 664,207			
201103	$ 176,176	$ 487,443	$ -	$ 97,710	$ 78,466	$ 6,628,229	$ 206,231	$ 281,212	$ 7,655,154	$ 15,610	$ 24,580			$ 359,678			
201104	$ 193,824	$ 621,157	$ -	$ 138,973	$ 54,851	$ 6,683,080	$ 255,896	$ 365,261	$ 8,020,415	$ 15,797	$ 25,517			$ 420,112			
201105	$ 255,085	$ 581,351	$ -	$ 229,935	$ 25,150	$ 6,708,230	$ 289,474	$ 291,877	$ 8,312,292	$ 15,928	$ 26,735			$ 317,027			
201106	$ 274,900	$ 584,365	$ -	$ 79,621	$ 195,279	$ 6,903,509	$ 224,192	$ 360,173	$ 8,672,466	$ 15,988	$ 27,708			$ 555,452			
201107	$ 653,539	$ 1,034,656	$ -	$ 132,439	$ 521,100	$ 7,424,608	$ 184,069	$ 850,587	$ 9,523,052	$ 16,453	$ 28,908			$ 1,371,687			
201108	$ 251,652	$ 609,531	$ -	$ 107,287	$ 144,365	$ 7,568,974	$ 216,113	$ 393,418	$ 9,916,471	$ 17,695	$ 31,744			$ 537,783			
201109	$ 334,765	$ 714,840	$ -	$ 16,309	$ 318,456	$ 7,887,430	$ 226,225	$ 488,615	$ 10,405,085	$ 18,039	$ 33,055			$ 807,071			
201110	$ 592,129	$ 557,690	$ -	$ 60,780	$ 531,349	$ 8,418,779	$ 184,145	$ 373,545	$ 10,778,631	$ 18,798	$ 34,684			$ 904,894			
201111	$ 580,100	$ 464,781	$ -	$ 95,597	$ 484,503	$ 8,903,282	$ 139,913	$ 324,868	$ 11,103,498	$ 20,065	$ 35,929			$ 809,371			
201112	$ 581,996	$ 893,769	$ -	$ 116,810	$ 465,186	$ 9,368,468	$ 242,341	$ 651,428	$ 11,754,926	$ 21,219	$ 37,012			$ 1,116,614	$ 21,123,394		
201201			$ 611,711									$ 202,465		$ 409,246	$ 21,532,639	$ 58,089	
201202			$ 634,456									$ 183,062		$ 451,394	$ 21,984,033	$ 59,215	
201203			$ 898,712									$ 303,941		$ 594,771	$ 22,578,804	$ 60,456	
201204			$ 1,036,073									$ 394,869		$ 641,204	$ 23,220,008	$ 62,092	
201205			$ 669,495									$ 519,409		$ 150,086	$ 23,370,094	$ 63,855	
201206			$ 605,353									$ 303,813		$ 301,540	$ 23,671,634	$ 64,268	
201207			$ 290,259									$ 316,508		$ (26,249)	$ 23,645,385	$ 65,097	
201208			$ 845,820									$ 323,400		$ 522,420	$ 24,167,805	$ 65,025	
201209			$ 553,280									$ 242,534		$ 310,746	$ 24,478,551	$ 66,461	
201210			$ 1,542,575									$ 244,925		$ 1,297,650	$ 25,776,201	$ 67,316	
201211			$ 823,035									$ 235,510		$ 587,525	$ 26,363,726	$ 70,885	
201212			$ 364,543									$ 359,151		$ 5,392	$ 26,369,118	$ 72,500	
201301			$ 489,666									$ 202,465		$ 287,201	$ 26,656,318	$ 72,515	
201302			$ 596,846									$ 183,062		$ 413,784	$ 27,070,103	$ 73,305	
201303			$ 199,160									$ 303,941		$ (104,781)	$ 26,965,321	$ 74,443	
201304			$ 482,421									$ 394,869		$ 87,552	$ 27,052,873	$ 74,155	
201305			$ 889,058									$ 519,409		$ 369,649	$ 27,422,522	$ 74,395	
201306			$ 912,561									$ 303,813		$ 608,748	$ 28,031,271	$ 75,412	
201307			$ 326,459									$ 316,508		$ 9,951	$ 28,041,221	$ 77,086	
201308			$ 663,590									$ 323,400		$ 340,190	$ 28,381,412	$ 77,113	
201309			$ 803,188									$ 242,534		$ 560,654	$ 28,942,065	$ 78,049	
201310			$ 1,064,104									$ 244,925		$ 819,179	$ 29,761,245	$ 79,591	
201311			$ 1,104,464									$ 235,510		$ 868,954	$ 30,630,198	$ 81,843	
201312			$ 396,847									$ 359,151		$ 37,696	$ 30,667,894	$ 84,233	
201401			$ 509,736									$ 202,465		$ 307,271	$ 30,975,165	$ 84,337	
201402			$ 380,432									$ 183,062		$ 197,370	$ 31,172,535	$ 85,182	
201403			$ 313,460									$ 303,941		$ 9,519	$ 31,182,054	$ 85,724	
201404			$ 722,576									$ 394,869		$ 327,707	$ 31,509,760	$ 85,751	
201405			$ 721,383									$ 519,409		$ 201,974	$ 31,711,734	$ 86,652	
201406			$ 840,082									$ 303,813		$ 536,269	$ 32,248,004	$ 87,207	
201407			$ 367,659									$ 316,508		$ 51,151	$ 32,299,154	$ 88,682	
201408			$ 586,973									$ 323,400		$ 263,573	$ 32,562,728	$ 88,823	
201409			$ 453,719									$ 242,534		$ 211,185	$ 32,773,913	$ 89,548	
201410			$ 691,597									$ 244,925		$ 446,672	$ 33,220,585	$ 90,128	
201411			$ 639,040									$ 235,510		$ 403,530	$ 33,624,114	$ 91,357	
201412			$ 650,728									$ 359,151		$ 291,577	$ 33,915,691	$ 92,466	
201501			$ 269,427									$ 202,465		$ 66,962	$ 33,982,653	$ 93,268	
201502			$ 472,937									$ 183,062		$ 289,875	$ 34,272,528	$ 93,452	
201503			$ 347,103									$ 303,941		$ 43,162	$ 34,315,690	$ 94,249	
201504			$ 245,097									$ 394,869		$ (149,772)	$ 34,165,918	$ 94,368	
201505			$ 542,937									$ 519,409		$ 23,528	$ 34,189,446	$ 93,956	
201506			$ 363,221									$ 303,813		$ 59,408	$ 34,248,854	$ 94,021	
201507			$ 534,307									$ 316,508		$ 217,799	$ 34,466,653	$ 94,184	
201508			$ 291,522									$ 323,400		$ (31,878)	$ 34,434,775	$ 94,783	
201509			$ 350,436									$ 242,534		$ 107,902	$ 34,542,677	$ 94,696	
201510			$ 731,932									$ 244,925		$ 487,007	$ 35,029,684	$ 94,992	
201511			$ 354,645									$ 235,510		$ 119,135	$ 35,148,819	$ 96,332	
201512			$ 238,861									$ 359,151		$ (120,290)	$ 35,028,528	$ 96,659	
201601			$ 180,130									$ 202,465		$ (22,335)	$ 35,006,193	$ 96,328	
201602			$ 148,734									$ 183,062		$ (34,328)	$ 34,971,865	$ 96,267	
201603			$ 337,582									$ 303,941		$ 33,641	$ 35,005,506	$ 96,173	
201604			$ 245,748									$ 394,869		$ (149,121)	$ 34,856,385	$ 96,265	
201605			$ 228,046									$ 519,409		$ (291,363)	$ 34,565,022	$ 95,855	
201606			$ 386,839									$ 303,813		$ 83,026	$ 34,648,048	$ 95,054	
201607			$ 403,710									$ 316,508		$ 87,202	$ 34,735,250	$ 95,282	
201608			$ 873,503									$ 323,400		$ 550,103	$ 35,285,353	$ 95,522	
201609			$ 877,704									$ 242,534		$ 635,170	$ 35,920,523	$ 97,035	
201610			$ 665,901									$ 244,925		$ 420,976	$ 36,341,499	$ 98,781	
201611			$ 1,231,437									$ 235,510		$ 995,927	$ 37,337,426	$ 99,939	
201612			$ 1,117,150									$ 359,151		$ 757,999	$ 38,095,425	$ 102,678	
201701			$ 184,742									$ 202,465		$ (17,723)	$ 38,077,701	$ 104,762	
201702			$ 401,720									$ 183,062		$ 218,658	$ 38,296,359	$ 104,714	
201703			$ 250,799									$ 303,941		$ (53,142)	$ 38,243,217	$ 105,315	
201704			$ 265,035									$ 394,869		$ (129,834)	$ 38,113,383	$ 105,169	
201705			$ 241,366									$ 519,409		$ (278,043)	$ 37,835,340	$ 104,812	
201706			$ 730,622									$ 303,813		$ 426,809	$ 38,262,149	$ 104,047	
201707			$ 542,121									$ 316,508		$ 225,613	$ 38,487,762	$ 105,221	
201708			$ 673,060									$ 323,400		$ 349,660	$ 38,837,422	$ 105,841	
201709			$ 596,591									$ 242,534		$ 354,057	$ 39,191,479	$ 106,803	
201710			$ 875,488									$ 244,925		$ 630,563	$ 39,822,042	$ 107,777	
201711			$ 992,098									$ 235,510		$ 756,588	$ 40,578,630	$ 109,511	
201712			$ 1,098,076									$ 359,151		$ 738,925	$ 41,317,555	$ 111,591	
201801			$ 931,322									$ 202,465		$ 728,857	$ 42,046,411	$ 113,623	
201802			$ 300,265									$ 183,062		$ 117,203	$ 42,163,615	$ 115,628	
201803			$ 405,844									$ 303,941	$ 169,455	$ (67,552)	$ 42,096,063	$ 115,950	
201804			$ 554,648									$ 394,869	$ 385,407	$ (225,628)	$ 41,870,434	$ 115,764	
201805			$ 1,091,310									$ 519,409	$ 794,123	$ (222,222)	$ 41,648,213	$ 115,144	
201806			$ 1,389,990									$ 303,813	$ 568,386	$ 517,792	$ 42,166,004	$ 125,986	
201807			$ 1,383,015									$ 316,508	$ 1,287,175	$ (220,669)	$ 41,945,336	$ 127,552	
201808			$ 2,611,273									$ 323,400	$ 1,788,053	$ 499,821	$ 42,445,156	$ 126,885	
201809			$ 2,432,902									$ 242,534	$ 1,536,743	$ 653,625	$ 43,981,900	$ 128,397	
	$ 12,991,474	$ 19,020,683	$ 53,072,257	$ 3,623,006	$ 9,368,468	$ 150,961,973	$ 7,265,757	$ 11,754,926	$ 176,842,002	$ 337,465	$ 550,290	$ 24,567,528	$ 6,529,341	$ 43,098,781		**$ 7,413,887**	

Cummulative Incremental Capita	$ 43,098,781.05
Remove Depreciation	$ (8,301,641.31)
Incremental Veg NBV	$ 34,797,139.75

Net Book Value AEP Ohio EEPDR Assets September 2018

company	utility_account	cc_rate_codes	month	book_cost	allocated_reserve	net_book_value
Ohio Power - Distr	37100 - Installs Customer Premises	Ohio EEPDR	Sep-18	2,404,387.50	396,528.91	2,007,858.59

	DIR Over/Under Calculation				DARR Over/Under Calculation			December 2017 Stipulation
	Revenue Requirement*	1/12 Revenue Requirement	Billed DIR**	DIR (Over)/Under	DARR Billed	DARR Expense	DARR Over/Under	Stipulation Order
Aug-12	$ 67,630,393.91	$ 5,635,866.16						
Sep-12	$ 69,670,556.32	$ 5,805,879.69	$ 5,421,098.30					
Oct-12	$ 71,354,438.06	$ 5,946,203.17	$ 4,281,034.75					
Nov-12	$ 69,440,000.77	$ 5,786,666.73	$ 4,332,483.74					
Dec-12	$ 71,478,392.55	$ 5,956,532.71	$ 4,957,351.63					
Jan-13	$ 71,918,112.27	$ 5,993,176.02	$ 5,351,928.78					
Feb-13	$ 71,708,851.72	$ 5,975,737.64	$ 5,186,154.58					
Mar-13	$ 72,298,648.39	$ 6,024,887.37	$ 5,749,082.89					
Apr-13	$ 72,894,056.23	$ 6,074,504.69	$ 5,663,178.68					
May-13	$ 74,390,444.89	$ 6,199,203.74	$ 5,207,741.07					
Jun-13	$ 91,483,002.49	$ 7,623,583.54	$ 5,955,978.41					
Jul-13	$ 93,180,148.99	$ 7,765,012.42	$ 6,754,621.62					
Aug-13	$ 95,075,456.80	$ 7,922,954.73	$ 6,952,106.58					
Sep-13	$ 96,174,053.73	$ 8,014,504.48	$ 7,069,538.82			$ 1,719,293.00		
Oct-13	$ 99,216,687.73	$ 8,268,057.31	$ 5,884,553.70					
Nov-13	$ 102,191,956.74	$ 8,515,996.40	$ 5,770,869.76					
Dec-13	$ 105,913,286.21	$ 8,826,107.18	$ 8,420,650.98					
Jan-14	$ 107,100,769.43	$ 8,925,064.12	$ 9,121,510.50					
Feb-14	$ 107,910,709.53	$ 8,992,559.13	$ 9,008,561.38					
Mar-14	$ 110,376,371.12	$ 9,198,030.93	$ 7,507,743.70		$ 1,719,293.00			
Apr-14	$ 112,444,013.71	$ 9,370,334.48	$ 8,416,622.05					
May-14	$ 117,641,732.84	$ 9,803,477.74	$ 7,979,661.86					
Jun-14	$ 119,485,398.67	$ 9,957,116.56	$ 9,220,556.61					
Jul-14	$ 122,157,951.77	$ 10,179,829.31	$ 10,173,614.25					
Aug-14	$ 124,297,307.72	$ 10,358,108.98	$ 10,728,829.74					
Sep-14	$ 126,074,525.96	$ 10,506,210.50	$ 11,578,077.32					
Oct-14	$ 131,131,501.23	$ 10,927,625.10	$ 9,355,941.29					
Nov-14	$ 134,295,513.84	$ 11,191,292.82	$ 9,310,402.64					
Dec-14	$ 133,993,377.89	$ 11,166,114.82	$ 11,429,163.52					
		$ 236,910,638.46	$ 206,789,059.15		$ 1,719,293.00	$ 1,719,293.00		
Jan-15	$ 136,772,286.75	$ 11,397,690.56	$ 12,871,299.39					
Feb-15	$ 138,457,241.18	$ 11,538,103.43	$ 12,461,030.91					
Mar-15	$ 140,974,888.70	$ 11,747,907.39	$ 13,017,343.56					
Apr-15	$ 142,881,321.71	$ 11,906,776.81	$ 11,180,538.01					
May-15	$ 146,364,580.93	$ 12,197,048.41	$ 10,689,571.54					
Jun-15	$ 147,455,821.85	$ 12,287,985.15	$ 11,835,336.79					
Jul-15	$ 151,340,556.60	$ 12,611,713.05	$ 12,219,240.93					
Aug-15	$ 152,766,921.96	$ 12,730,576.83	$ 13,241,459.53					
Sep-15	$ 155,123,791.49	$ 12,926,982.62	$ 13,314,356.01					
Oct-15	$ 157,464,645.91	$ 13,122,053.83	$ 11,898,712.69					
Nov-15	$ 161,086,896.69	$ 13,423,908.06	$ 11,205,800.74					
Dec-15	$ 160,491,330.94	$ 13,374,277.58	$ 13,205,574.28					
Previous Balance		$ 386,175,662.19	$ 353,929,323.53	$ 32,246,338.66	$ 1,719,293.00	$ 1,719,293.00	$ -	
Jan-16	$ 162,297,813.36	$ 13,524,817.78	$ 14,326,328.35					
Feb-16	$ 162,867,617.06	$ 13,572,301.42	$ 14,290,085.64					
Mar-16	$ 164,188,459.05	$ 13,682,371.59	$ 14,202,054.01					
Apr-16	$ 165,225,557.59	$ 13,768,796.47	$ 13,043,950.94					
May-16	$ 166,804,922.83	$ 13,900,410.24	$ 12,415,293.39					
Jun-16	$ 167,834,167.76	$ 13,986,180.65	$ 13,910,341.04					
Jul-16	$ 168,174,641.49	$ 14,014,553.46	$ 15,206,660.86					
Aug-16	$ 169,957,341.83	$ 14,163,111.82	$ 17,143,948.59					
Sep-16	$ 171,808,684.82	$ 14,317,390.40	$ 17,264,890.91					
Oct-16	$ 173,424,068.22	$ 14,452,005.69	$ 14,691,224.94					
Nov-16	$ 176,558,552.36	$ 14,713,212.70	$ 13,678,095.08					
Dec-16	$ 181,241,291.81	$ 15,103,440.98	$ 16,104,299.82					
Previous Balance		$ 555,374,255.37	$ 530,206,497.10	$ 25,167,758.27	$ 1,719,293.00	$ 1,719,293.00	$ -	
Jan-17	$ 182,753,218.32	$ 15,229,434.86	$ 17,451,302.58					
Feb-17	$ 183,668,625.89	$ 15,305,718.82	$ 15,673,885.31					
Mar-17	$ 182,853,308.11	$ 15,237,775.68	$ 14,847,014.27					
Apr-17	$ 186,635,104.11	$ 15,552,925.34	$ 13,829,384.70					
May-17	$ 187,091,671.93	$ 15,590,972.66	$ 13,463,459.79					
Jun-17	$ 187,548,063.06	$ 15,629,005.26	$ 14,631,246.53					
Jul-17	$ 186,953,406.54	$ 15,579,450.54	$ 16,069,752.71					
Aug-17	$ 188,812,692.58	$ 15,734,391.05	$ 16,697,887.15					
Sep-17	$ 188,501,160.77	$ 15,708,430.06	$ 15,622,600.53					
Oct-17	$ 186,942,717.43	$ 15,578,559.79	$ 15,305,872.79					
Nov-17	$ 186,468,583.05	$ 15,539,048.59	$ 14,630,377.02					
Dec-17	$ 184,848,491.36	$ 15,404,040.95	$ 16,977,838.89					
Previous Balance		$ 741,464,008.96	$ 715,407,119.37	$ 26,056,889.59	$ 1,719,293.00	$ 1,719,293.00	$ -	
Jan-18	$ 184,602,252.53	$ 15,383,521.04	$ 19,761,520.49					
Feb-18	$ 185,297,564.65	$ 15,441,463.72	$ 17,629,739.45					
Mar-18	$ 188,308,584.25	$ 15,692,382.02	$ 18,732,716.05					$ 2,142,337.62
Apr-18	$ 189,318,226.95	$ 15,776,518.91	$ 16,381,590.68					
May-18	$ 192,016,811.52	$ 16,001,400.96	$ 15,610,955.50					
Jun-18	$ 193,440,168.02	$ 16,120,014.00	$ 17,323,022.81					
Jul-18	$ 196,339,213.03	$ 16,361,601.09	$ 18,790,242.61					
Aug-18	$ 198,740,319.90	$ 16,561,693.33	$ 17,558,983.13					
Sep-18	$ 203,826,416.82	$ 16,985,534.74	$ 17,280,027.73					
Oct-18			$ 15,698,774.10					
Nov-18								
Dec-18								
Jan-19								
Total		$ 885,788,138.77	$ 890,174,691.92	$ (4,386,553.15)	$ 1,719,293.00	$ 1,719,293.00	$ -	$ 2,142,337.62

* The Revenue Requirement figure is the monthly amount generated by a run of the DIR calculation based on DIR plant every month.

**OP assumes for purposes of the DIR calcuation that Billed DIR amounts equal revenues received.

Line No.	Acct. No.	Account Title	Total Company	Allocation %	Allocated Total	Accrual Rate
(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	360	Land and Land Rights	$ 64,340,079	100.00%	$ 64,340,079	0.00%
2	361	Structures and Improvements	27,367,097	100.00%	$ 27,367,097	1.77%
3	362	Station Equipment	745,946,347	100.00%	$ 745,946,347	2.47%
4	363	Storage Battery Equipment	5,117,366	100.00%	$ 5,117,366	6.67%
5	364	Poles, Towers and Fixtures	755,177,731	100.00%	$ 755,177,731	5.19%
6	365	Overhead Conductors and Devices	793,746,007	100.00%	$ 793,746,007	3.63%
7	366	Underground Conduit	275,636,528	100.00%	$ 275,636,528	1.56%
8	367	Underground Conductors and Devices	678,863,347	100.00%	$ 678,863,347	2.60%
9	368	Line Transformers	804,357,403	100.00%	$ 804,357,403	3.80%
10	369	Services	336,545,578	100.00%	$ 336,545,578	3.27%
11	370	Meters	146,534,872	100.00%	$ 146,534,872	4.07%
12	370016	AMI Meters	90,466,631	100.00%	$ 90,466,631	7.33%
13	371	Installations on Customers' Premises	58,348,543	100.00%	$ 58,348,543	9.14%
14	372	Leased Property on Customer's Premises	103,067	100.00%	$ 103,067	2.50%
15	373	Street Light and Signal Systems	40,584,127	100.00%	$ 40,584,127	6.20%
16		Total Distribution Plant	$ 4,823,134,722		$ 4,823,134,722	

Calculation of DIR Cap 2012

	2012 Cap* 86,000,000	1/12 Revenue Requirement	(Over)/Under
Aug-12	$ 7,166,667	$ 5,635,866	
Sep-12	$ 7,166,667	$ 5,805,880	
Oct-12	$ 7,166,667	$ 5,946,203	
Nov-12	$ 7,166,667	$ 5,786,667	
Dec-12	$ 7,166,667	$ 5,956,533	
	$ 35,833,333	$ 29,131,148	$ 6,702,185

* Represents Partial Year

Calculation of DIR Cap 2013

2013 Cap	$ 104,000,000
2012 Under	$ 6,702,185
Total 2013	$ 110,702,185

	2013 Cap	1/12 Revenue Requirement	(Over)/Under
Jan-13	$ 9,225,182	$ 5,993,176	
Feb-13	$ 9,225,182	$ 5,975,738	
Mar-13	$ 9,225,182	$ 6,024,887	
Apr-13	$ 9,225,182	$ 6,074,505	
May-13	$ 9,225,182	$ 6,199,204	
Jun-13	$ 9,225,182	$ 7,623,584	
Jul-13	$ 9,225,182	$ 7,765,012	
Aug-13	$ 9,225,182	$ 7,922,955	
Sep-13	$ 9,225,182	$ 8,014,504	
Oct-13	$ 9,225,182	$ 8,268,057	
Nov-13	$ 9,225,182	$ 8,515,996	
Dec-13	$ 9,225,182	$ 8,826,107	
	$ 110,702,185	$ 87,203,726	$ 23,498,459

Calculation of DIR Cap 2014

2014 Cap	$ 124,000,000
2013 Under	$ 23,498,459
Total 2014	$ 147,498,459

	2014 Cap	1/12 Revenue Requirement	(Over)/Under
Jan-14	$ 12,291,538	$ 8,925,064	
Feb-14	$ 12,291,538	$ 8,992,559	
Mar-14	$ 12,291,538	$ 9,198,031	
Apr-14	$ 12,291,538	$ 9,370,334	
May-14	$ 12,291,538	$ 9,803,478	
Jun-14	$ 12,291,538	$ 9,957,117	
Jul-14	$ 12,291,538	$ 10,179,829	
Aug-14	$ 12,291,538	$ 10,358,109	
Sep-14	$ 12,291,538	$ 10,506,210	
Oct-14	$ 12,291,538	$ 10,927,625	
Nov-14	$ 12,291,538	$ 11,191,293	
Dec-14	$ 12,291,538	$ 11,166,115	
	$ 147,498,459	$ 120,575,764	$ 26,922,695

Calculation of DIR Cap 2015

2015 Cap	$ 145,000,000
2014 Under	$ 26,922,695
Total 2015	$ 171,922,695

	Authorized 2015 Cap	1/12 Revenue Requirement	(Over)/Under
Jan-15	$ 14,326,891	$ 11,397,691	$ 2,929,201
Feb-15	$ 14,326,891	$ 11,538,103	$ 2,788,788
Mar-15	$ 14,326,891	$ 11,747,907	$ 2,578,984
Apr-15	$ 14,326,891	$ 11,906,777	$ 2,420,114
May-15	$ 14,326,891	$ 12,197,048	$ 2,129,843
Jun-15	$ 14,326,891	$ 12,287,985	$ 2,038,906
Jul-15	$ 14,326,891	$ 12,611,713	$ 1,715,178
Aug-15	$ 14,326,891	$ 12,730,577	$ 1,596,314
Sep-15	$ 14,326,891	$ 12,926,983	$ 1,399,909
Oct-15	$ 14,326,891	$ 13,122,054	$ 1,204,837
Nov-15	$ 14,326,891	$ 13,423,908	$ 902,983
Dec-15	$ 14,326,891	$ 13,374,278	$ 952,614
End of Year Progress	$ 171,922,694.87	$ 149,265,024	$ 22,657,671

Calculation of DIR Cap 2016

2016 Cap	$ 165,000,000
2015 Under	$ 22,657,671
Total 2016	$ 187,657,671

	Authorized 2016 Cap	1/12 Revenue Requirement	(Over)/Under
Jan-16	$ 15,638,139	$ 13,524,818	$ 2,113,321
Feb-16	$ 15,638,139	$ 13,572,301	$ 2,065,838
Mar-16	$ 15,638,139	$ 13,682,372	$ 1,955,768
Apr-16	$ 15,638,139	$ 13,768,796	$ 1,869,343
May-16	$ 15,638,139	$ 13,900,410	$ 1,737,729
Jun-16	$ 15,638,139	$ 13,986,181	$ 1,651,959
Jul-16	$ 15,638,139	$ 14,014,553	$ 1,623,586
Aug-16	$ 15,638,139	$ 14,163,112	$ 1,475,027
Sep-16	$ 15,638,139	$ 14,317,390	$ 1,320,749
Oct-16	$ 15,638,139	$ 14,452,006	$ 1,186,134
Nov-16	$ 15,638,139	$ 14,713,213	$ 924,927
Dec-16	$ 15,638,139	$ 15,103,441	$ 534,698
End of Year Progress	$ 187,657,671.15	$ 169,198,593	$ 18,459,078

Calculation of DIR Cap 2017

2017 Cap	$ 190,000,000
2016 Under	$ 18,459,078
Total 2017	$ 208,459,078

	Authorized 2016 Cap	1/12 Revenue Requirement	(Over)/Under
Jan-17	$ 17,371,590	$ 15,229,435	$ 2,142,155
Feb-17	$ 17,371,590	$ 15,305,719	$ 2,065,871
Mar-17	$ 17,371,590	$ 15,237,776	$ 2,133,814
Apr-17	$ 17,371,590	$ 15,194,359	$ 2,177,230
May-17	$ 17,371,590	$ 15,236,501	$ 2,135,089
Jun-17	$ 17,371,590	$ 15,273,857	$ 2,097,733
Jul-17	$ 17,371,590	$ 15,227,544	$ 2,144,046
Aug-17	$ 17,371,590	$ 15,387,042	$ 1,984,548
Sep-17	$ 17,371,590	$ 15,405,141	$ 1,966,449
Oct-17	$ 17,371,590	$ 15,289,592	$ 2,081,998
Nov-17	$ 17,371,590	$ 15,252,820	$ 2,118,770
Dec-17	$ 17,371,590	$ 15,134,856	$ 2,236,734
End of Year Progress	$ 208,459,077.97	$ 183,174,641	$ 25,284,437

Calculation of DIR Cap 2018

2018 Cap	$ 215,000,000
2017 Under	$ 25,284,437
Total 2018	$ 240,284,437

	Authorized 2018 Cap	1/12 Revenue Requirement	(Over)/Under
Jan-18	$ 20,023,703	$ 15,147,085	$ 4,876,618
Feb-18	$ 20,023,703	$ 15,237,675	$ 4,786,028
Mar-18	$ 20,023,703	$ 15,525,428	$ 4,498,275
Apr-18	$ 20,023,703	$ 15,644,547	$ 4,379,156
May-18	$ 20,023,703	$ 15,905,403	$ 4,118,300
Jun-18	$ 20,023,703	$ 16,073,717	$ 3,949,986
Jul-18	$ 20,023,703	$ 16,344,406	$ 3,679,297
Aug-18	$ 20,023,703	$ 16,575,576	$ 3,448,127
Sep-18	$ 20,023,703	$ 17,030,202	$ 2,993,501
Oct-18			
Nov-18			
Dec-18			
YTD	$ 180,213,328	$ 143,484,039	$ 36,729,289

	Normalized ADIT Adjustment							
1.28009503		2018		2019		2020		2021
January	$	(362,836.54)						
February	$	(362,836.54)						
March	$	(362,836.54)						
April	$	(362,836.54)						
May	$	(362,836.54)						
June	$	(362,836.54)						
July	$	(362,836.54)						
August	$	(362,836.54)						
September	$	(362,836.54)						
October								
November								
December								
	$	(3,265,528.82)	$	-	$	-	$	-

	Amortization of ADIT Adjustment							
January	$	283,445.00						
February	$	283,445.00						
March	$	283,445.00						
April	$	283,445.00						
May	$	283,445.00						
June	$	283,445.00						
July	$	283,445.00						
August	$	283,445.00						
September	$	283,445.00						
October								
November								
December								
	$	2,551,005.00	$	-	$	-	$	-

9.21%								
9.38%		ADIT Component of Amortizaton Not Subject to Cap						
Q1	$	850,335.00	$	2,551,005.00	$	2,551,005.00	$	2,551,005.00
Q2	$	1,700,670.00	$	2,551,005.00	$	2,551,005.00	$	2,551,005.00
Q3	$	2,551,005.00	$	2,551,005.00	$	2,551,005.00	$	2,551,005.00
Q4	$	2,551,005.00	$	2,551,005.00	$	2,551,005.00	$	2,551,005.00

		Return Component of Amortizaton Not Subject to Cap						
Q1	$	79,761.42	$	234,947.56	$	234,947.56	$	234,947.56
Q2	$	156,631.71	$	234,947.56	$	234,947.56	$	234,947.56
Q3	$	234,947.56	$	234,947.56	$	234,947.56	$	234,947.56
Q4	$	234,947.56	$	234,947.56	$	234,947.56	$	234,947.56

P.U.C.O. NO. 20

DISTRIBUTION INVESTMENT RIDER

Effective Cycle 1 March~~December~~ 2019~~2018~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Distribution Investment Rider charge of 30.93245~~29.84276~~% of the customer's distribution charges under the Company's Schedules, excluding charges under any applicable Riders. This Rider shall be adjusted periodically to recover amounts authorized by the Commission. This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the impact to the carrying charge rate recovered through this Rider of changes in Federal corporate income taxes due to the Tax Cuts and Jobs Act of 2017 or based upon the results of audits ordered by the Commission in accordance with the February 25, 2015 Opinion and Order in Case Nos. 13-2385-EL-SSO, et al.

OAD - DISTRIBUTION INVESTMENT RIDER
(Open Access Distribution- Distribution Investment Rider)

Effective Cycle 1 March~~December~~ 2019~~2018~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Distribution Investment Rider charge of 30.93245~~29.84276~~% of the customer's distribution charges under the Company's Schedules, excluding charges under any applicable Riders. This Rider shall be adjusted periodically to recover amounts authorized by the Commission. This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the impact to the carrying charge rate recovered through this Rider of changes in Federal corporate income taxes due to the Tax Cuts and Jobs Act of 2017 or based upon the results of audits ordered by the Commission in accordance with the February 25, 2015 Opinion and Order in Case Nos. 13-2385-EL-SSO, et al.

OAD - DISTRIBUTION INVESTMENT RIDER
(Open Access Distribution- Distribution Investment Rider)