



Legal Department

American Electric Power  
1 Riverside Plaza  
Columbus, OH 43215-2373  
AEP.com

July 27, 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  
(614) 716-1608 (P)  
(614) 716-2014 (F)  
stnourse@aep.com

Re: *In the Matter of the Application of Ohio Power Company  
to Update its gridSMART Phase 2 Rider Rates,*  
Case No. 18-783-EL-RDR

Dear Ms. McNeal:

Consistent with the April 30, 2018 Application filed to initiate this case and in accordance with the February 1, 2017 Opinion and Order in Case No. 13-1939-EL-RDR (“gridSMART Phase 2 Order”), Ohio Power Company (“AEP Ohio”) hereby submits its gridSMART Phase 2 rider update for the second quarter 2018. The gridSMART Phase 2 Order requires quarterly filings with automatic approval 30 days after the filing unless otherwise determined by the Commission. Therefore, absent Commission intervention, the rates from this filing will become effective Cycle 1 September 2018.

Attachment 1 reflects the actual Phase 2 O&M spending and Capital Carrying Charges from April through June 2018. The update includes the Capital Carrying Charges related to the movement of twenty-two thousand additional AMI meters to Phase 2 as Ordered in the Phase 2 Order (at Page 14), and the allocation between the Residential and Non-Residential classes as Ordered in the Global Settlement (Case No. 10-2929-EL-RDR, *et.al*). In accordance with the gridSMART Phase 2 Order, this filing also includes the final true-up of rider revenue transferred from Phase 1 to Phase 2 that was passed back over a one-year period commencing Cycle 1 June 2017. Workpaper 1 outlines the final status of the pass back. Workpapers 2 and 3 detail the calculation of carrying charges for Phase 2 Capital Spending and the additional twenty-two thousand meters mentioned above. Additionally, as required by the Phase 2 Order (at Page 13, Par 34), Attachment 1 includes a \$400,000

quarterly Operational Saving Credit. Attached as Attachment 2 are revised tariff sheets 485-1 and 485-1D, reflecting the revised gridSMART Phase 2 Rider Rates.

Thank you for your attention to this matter.

Respectfully submitted,

/s/ Steven T. Nourse

Steven T. Nourse  
American Electric Power Service  
Corporation  
1 Riverside Plaza, 29<sup>th</sup> Floor  
Columbus, Ohio 43215  
Telephone: (614) 716-1608  
Facsimile: (614) 717-2950  
E-mail: [stnourse@aep.com](mailto:stnourse@aep.com)

# Ohio Power Company gridSMART Phase 2 2nd Quarter 2018 True-up

Line No.	gridSMART Incremental Investment	Actual gridSMART Spending	Annual Carrying Charge	gridSMART Revenue Requirement
1	Apr 2018 - Jun 2018:			
2	Phase 2: O&M (AMI, VVO, DACR)	\$ 1,551,010		\$ 1,551,010
3	Total	\$ 1,551,010		\$ 1,551,010
	Phase 2: Incremental Investment Apr 2018 - Jun 2018	gridSMART Spending	Annual Carrying Charge	gridSMART Revenue Requirement
4	Capital - 15 Year Life- AMI		\$ 1,602,327	\$ 1,602,327
5	Capital - 30 Year Life - VVO		\$ -	\$ -
6	Capital - 30 Year Life - DACR		\$ -	\$ -
7	Misc. Capital		\$ -	\$ -
8	Total Capital			\$ 1,602,327
9			Total	\$ 3,153,337
10			Tax Gross Up Rate	100.881%
11			Revenue Requirement	\$ 3,181,117
12			Operational Savings Credit	\$ (400,000)
13			(Over)/Under Recovery for 4th Q	\$ (4,520)
14			Final over recovery of rider revenue from 1st Q 2017 filing transferred from Phase 1 & passed back over one-year June 2017 through May 2018.	\$ (34,045)
15			Total Revenue Requirement	\$ 2,742,551
16	Residential Allocation	45%	Residential Revenue Requirement	\$ 1,234,148
17	Non-Res Base Allocation	55%	Non-Res Revenue Requirement	\$ 1,508,403
		<b>2nd Quarter 2018 Filing - Quarterly Collection</b>		<b>2017</b>
18			Residential Customers	1,282,558 \$ 0.32
19			Non-Residential Customers	190,212 \$ 2.64

OHIO POWER COMPANY

~~5th-6th~~ Revised Sheet No. 485-1  
 Cancels ~~4th-5th~~ Revised Sheet No. 485-1

P.U.C.O. NO. 20

## gridSMART PHASE 2 RIDER

Effective with the first billing cycle of ~~June-September~~ 2018, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly gridSMART Phase 2 charge. 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 1, 2017 Opinion and Order in Case No. 13-1939-EL-RDR.

Residential Customers	<del>\$0.43</del> <u>\$0.32</u>
Non-Residential	<del>\$3.52</del> <u>\$2.64</u>

Filed pursuant to Order dated April 25, 2018 in Case No. 16-1852-EL-SSO

Issued: ~~May 30~~July 27, 2018

Issued by  
 Julia Sloat, President  
 AEP Ohio

Effective: Cycle 1 ~~June-September~~ 2018

OHIO POWER COMPANY

~~5<sup>th</sup>~~~~6<sup>th</sup>~~ Revised Sheet No. 485-1D  
 Cancels ~~4<sup>th</sup>~~~~5<sup>th</sup>~~ Revised Sheet No. 485-1D

P.U.C.O. NO. 20

OAD – gridSMART PHASE 2 RIDER  
 (Open Access Distribution – gridSMART Phase 2 Rider)

Effective with the first billing cycle of ~~June~~~~September~~ 2018, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly gridSMART Phase 2 charge. 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 1, 2017 Opinion and Order in Case No. 13-1939-EL-RDR.

Residential Customers	<del>\$0.43</del> <del>\$0.32</del>
Non-Residential	<del>\$3.52</del> <del>\$2.64</del>

Filed pursuant to Order dated April 25, 2018 in Case No. 16-1852-EL-SSO

Issued: ~~May 30~~~~July 27~~, 2018

Issued by  
 Julia Sloat, President  
 AEP Ohio

Effective: Cycle 1 ~~June~~~~September~~ 2018

## Calculation of net Annual Rider Revenue Pass Back from June 2017 - May 2018

Case No. 17-1156-EL-RDR 1st Quarter True-up		Monthly Rate	Customer Bills	Actual Rider Revenue	Annual Revenue Requirement	Over / (Under) Collection
Attachment 1	Res Customers	\$ 0.14	15,438,627	\$2,161,407.80	\$2,085,660.01	\$75,747.79
Attachment 1	Non-Res Customers	\$ 1.12	2,274,966	\$2,547,962.30	\$2,549,140.01	(\$1,177.71)
Total				\$4,709,370.10	\$4,634,800.02	\$74,570.08
Attachment 2	Res Customers	\$ (0.77)	15,438,627	(\$11,887,742.89)	(\$11,851,905.83)	(\$35,837.06)
Attachment 2	Non-Res Customers	\$ (3.25)	2,274,966	(\$7,393,640.60)	(\$7,388,952.93)	(\$4,687.67)
Total				(\$19,281,383.48)	(\$19,240,858.76)	(\$40,524.72)
Total	Res Customers	\$ (0.63)	15,438,627	(\$9,726,335.09)	(\$9,766,245.82)	\$39,910.73
Total	Non-Res Customers	\$ (2.13)	2,274,966	(\$4,845,678.30)	(\$4,839,812.92)	(\$5,865.38)
Total				(\$14,572,013.39)	(\$14,606,058.74)	\$34,045.35

gridSMART Phase 2 NBV  
Depreciation Tables

		AMI Meters - In Service - Account 370.16 15 Year Life									
		Gross Capital Expenditure (booked cost)	Cumulative Gross Plant	Net Plant	Depreciation Reserve	Accumulated Depreciation	Annual Depreciation Expense	Return Carrying Charge Rate	Depreciation Carrying Charge Rate	Property Carrying Charge	Annual Carrying Charge
2017	January										
	February										
	March										
	April	\$1,239.87	1,239.87	1,222.50	\$17.37	17.37		10.74	8.47	3.11	22.32
	May	\$7,516.82	8,756.69	8,602.31	\$137.01	154.38		75.56	59.84	21.86	179.58
	June	\$10,080,135.63	10,088,892.32	9,874,832.46	\$213,905.48	214,059.86		86,733.95	68,940.76	25,098.53	180,952.82
	July	\$2,211,179.74	12,300,072.06	11,994,094.24	\$91,917.96	305,977.82		105,348.13	84,050.49	30,484.99	400,836.43
	August	\$259,949.42	12,560,021.48	12,200,908.86	\$53,134.80	359,112.62		107,164.65	85,826.81	31,010.64	624,838.53
	September	\$3,421,407.38	15,981,428.86	15,464,887.66	\$157,428.58	516,541.20		135,833.26	109,206.43	39,306.59	909,184.82
	October	\$2,147,085.70	18,128,514.56	17,474,240.70	\$137,732.66	654,273.86		153,482.08	123,878.18	44,413.70	1,230,958.78
	November	\$620,648.36	18,749,162.92	18,001,015.63	\$93,873.43	748,147.29		158,108.92	128,119.28	45,752.58	1,562,939.56
	December	\$1,094,915.04	19,844,077.96	18,975,442.74	\$120,487.93	868,635.22	\$868,635.22	148,324.71	135,601.20	48,229.25	1,895,094.72
2018	January	\$195,189.23	20,039,267.19	19,017,621.71	\$153,010.26	1,021,645.48		148,654.41	136,934.99	48,336.46	333,925.86
	February	\$135,871.15	20,175,138.34	18,997,019.45	\$156,473.41	1,178,118.89		148,493.37	137,863.45	48,284.09	668,566.76
	March	\$3,647,640.00	23,822,778.34	22,449,049.13	\$195,610.32	1,373,729.21		175,476.73	162,788.99	57,058.00	1,063,890.48
	April	\$4,832,814.65	28,655,592.99	27,028,777.23	\$253,086.55	1,626,815.76		211,274.94	195,813.22	68,698.14	1,539,676.78
	May	\$7,575,022.16	36,230,615.15	34,278,430.95	\$325,368.44	1,952,184.20		263,086.96	221,308.67	87,124.35	2,111,196.76
	June	-	-	-	-	-		-	-	-	-
	July	-	-	-	-	-		-	-	-	-
	August	-	-	-	-	-		-	-	-	-
	September	-	-	-	-	-		-	-	-	-
	October	-	-	-	-	-		-	-	-	-
	November	-	-	-	-	-		-	-	-	-
	December	-	-	-	-	-	\$1,083,548.98	-	-	-	-
2019	January	-	-	-	-	-		-	-	-	-
	February	-	-	-	-	-		-	-	-	-
	March	-	-	-	-	-		-	-	-	-
	April	-	-	-	-	-		-	-	-	-
	May	-	-	-	-	-		-	-	-	-
	June	-	-	-	-	-		-	-	-	-
	July	-	-	-	-	-		-	-	-	-
	August	-	-	-	-	-		-	-	-	-
	September	-	-	-	-	-		-	-	-	-
	October	-	-	-	-	-		-	-	-	-
	November	-	-	-	-	-		-	-	-	-
	December	-	-	-	-	-		-	-	-	-
2020	January	-	-	-	-	-		-	-	-	-
	February	-	-	-	-	-		-	-	-	-
	March	-	-	-	-	-		-	-	-	-
	April	-	-	-	-	-		-	-	-	-
	May	-	-	-	-	-		-	-	-	-
	June	-	-	-	-	-		-	-	-	-
	July	-	-	-	-	-		-	-	-	-
	August	-	-	-	-	-		-	-	-	-
	September	-	-	-	-	-		-	-	-	-
	October	-	-	-	-	-		-	-	-	-
	November	-	-	-	-	-		-	-	-	-
	December	-	-	-	-	-		-	-	-	-
2021	January	-	-	-	-	-		-	-	-	-
	February	-	-	-	-	-		-	-	-	-
	March	-	-	-	-	-		-	-	-	-
	April	-	-	-	-	-		-	-	-	-
	May	-	-	-	-	-		-	-	-	-
	June	-	-	-	-	-		-	-	-	-
	July	-	-	-	-	-		-	-	-	-
	August	-	-	-	-	-		-	-	-	-
	September	-	-	-	-	-		-	-	-	-
	October	-	-	-	-	-		-	-	-	-
	November	-	-	-	-	-		-	-	-	-
	December	-	-	-	-	-		-	-	-	-
2022	January	-	-	-	-	-		-	-	-	-
	February	-	-	-	-	-		-	-	-	-
	March	-	-	-	-	-		-	-	-	-
	April	-	-	-	-	-		-	-	-	-
	May	-	-	-	-	-		-	-	-	-
	June	-	-	-	-	-		-	-	-	-
	July	-	-	-	-	-		-	-	-	-
	August	-	-	-	-	-		-	-	-	-
	September	-	-	-	-	-		-	-	-	-
	October	-	-	-	-	-		-	-	-	-
	November	-	-	-	-	-		-	-	-	-
	December	-	-	-	-	-		-	-	-	-
2023	January	-	-	-	-	-		-	-	-	-
	February	-	-	-	-	-		-	-	-	-
	March	-	-	-	-	-		-	-	-	-
	April	-	-	-	-	-		-	-	-	-
	May	-	-	-	-	-		-	-	-	-
	June	-	-	-	-	-		-	-	-	-
	July	-	-	-	-	-		-	-	-	-
	August	-	-	-	-	-		-	-	-	-
	September	-	-	-	-	-		-	-	-	-
	October	-	-	-	-	-		-	-	-	-
	November	-	-	-	-	-		-	-	-	-
	December	-	-	-	-	-		-	-	-	-
2024	January	-	-	-	-	-		-	-	-	-

Note: Capital is booked one month in arrears.

gridSMART Phase 2 NBV  
Depreciation Tables

Depreciation Tables

POSSUMANT Phase 2 R&V

		Poles Towers & Fixtures - Account 364 36 Year Life									
		Gross Capital Expenditure (booked cost)	Cumulative Gross Plant	Net Plant	Depreciation Reserve	Accumulated Depreciation	Annual Depreciation Expense	Return Carrying Charge Rate	Depreciation Carrying Charge Rate	Property Carrying Charge	Annual Carrying Charge
2017	January	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	February	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	March	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	April	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	May	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	June	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	July	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	August	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	September	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	October	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	November	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	December	\$0.00	-	-	\$0.00	-	-	\$0.00	-	-	-
2018	January	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	February	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	March	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	April	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	May	\$1,420.54	1,420.54	1,406.92	\$13.62	13.62	-	10.80	6.14	3.58	20.52
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	\$13.62	-	-	-
2019	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2020	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2021	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2022	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2023	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2024	January	-	-	-	-	-	-	-	-	-	-

Note: Capital is booked one month in arrears.



gridSMART Phase 2 NBV  
Depreciation Tables

Depreciation Tables		Overhead Conductors, Device - Account 365 32 Year Life									
		Gross Capital Expenditure (booked cost)	Cumulative Gross Plant	Net Plant	Depreciation Reserve	Accumulated Depreciation	Annual Depreciation Expense	Return Carrying Charge Rate	Depreciation Carrying Charge Rate	Property Carrying Charge	Annual Carrying Charge
2017	January	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	February	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	March	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	April	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	May	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	June	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	July	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	August	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	September	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	October	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	November	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	December	\$0.00	-	-	\$0.00	-	\$0.00	-	-	-	-
2018	January	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	February	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	March	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	April	\$0.00	-	-	\$0.00	-	-	-	-	-	-
	May	\$816.71	816.71	811.88	\$4.83	4.83	-	6.23	2.47	2.06	10.77
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	\$4.83	-	-	-	-
2019	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2020	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2021	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2022	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2023	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2024	January	-	-	-	-	-	-	-	-	-	-

Note: Capital is booked one month in arrears.

gridSMART Phase 2 NBV  
Depreciation Tables

Depreciation Tables		Line Transformers - Account 368 30 Year Life									
		Gross Capital Expenditure (booked cost)	Cumulative Gross Plant	Net Plant	Depreciation Reserve	Accumulated Depreciation	Annual Depreciation Expense	Return Carrying Charge Rate	Depreciation Carrying Charge Rate	Property Carrying Charge	Annual Carrying Charge
2017	January	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	February	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	March	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	April	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	May	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	June	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	July	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	August	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	September	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	October	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	November	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	December	\$0.00	\$0.00	-	\$0.00	-	\$0.00	-	-	-	-
2018	January	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	February	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	March	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	April	\$0.00	\$0.00	-	\$0.00	-	-	-	-	-	-
	May	\$963.46	\$963.46	\$957.88	\$5.58	5.58	-	7.35	3.05	2.43	12.84
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	\$5.58	-	-	-	-
2019	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2020	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2021	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
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	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2022	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2023	January	-	-	-	-	-	-	-	-	-	-
	February	-	-	-	-	-	-	-	-	-	-
	March	-	-	-	-	-	-	-	-	-	-
	April	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	June	-	-	-	-	-	-	-	-	-	-
	July	-	-	-	-	-	-	-	-	-	-
	August	-	-	-	-	-	-	-	-	-	-
	September	-	-	-	-	-	-	-	-	-	-
	October	-	-	-	-	-	-	-	-	-	-
	November	-	-	-	-	-	-	-	-	-	-
	December	-	-	-	-	-	-	-	-	-	-
2024	January	-	-	-	-	-	-	-	-	-	-

Note: Capital is booked one month in arrears.

gridSMART Phase 2 NBV  
Depreciation Tables

Asset Value  
Year Life  
Monthly Rate

22,000 AMI Meters 15 Year Life										
		15 0.683%								
Gross Capital Expenditure (booked cost)	Cumulative Gross Plant	Net Plant	Depreciation Reserve	Accumulated Depreciation	Annual Depreciation Expense	Return Carrying Charge Rate	Depreciation Carrying Charge Rate	Property Carrying Charge	Annual Carrying Charge	
				\$4,091,443.76						
\$5,967,610.89	5,967,610.89	1,835,388.46	\$40,778.67	\$4,132,222.43		16,120.83	40,778.67	4,664.95	61,564.45	
\$0.00	5,967,610.89	1,794,609.78	\$40,778.67	\$4,173,001.11		15,762.66	40,778.67	4,561.30	122,667.08	
\$0.00	5,967,610.89	1,753,831.11	\$40,778.67	\$4,213,779.78		15,404.48	40,778.67	4,457.65	183,307.89	
\$0.00	5,967,610.89	1,713,052.44	\$40,778.67	\$4,254,558.45		15,046.31	40,778.67	4,354.01	243,486.88	
\$0.00	5,967,610.89	1,672,273.76	\$40,778.67	\$4,295,337.13		14,688.14	40,778.67	4,250.36	303,204.06	
\$0.00	5,967,610.89	1,631,495.09	\$40,778.67	\$4,336,115.80		14,329.97	40,778.67	4,146.72	362,459.41	
\$0.00	5,967,610.89	1,590,716.41	\$40,778.67	\$4,376,894.48		13,971.79	40,778.67	4,043.07	421,252.95	
\$0.00	5,967,610.89	1,549,937.74	\$40,778.67	\$4,417,673.15		13,613.62	40,778.67	3,939.43	479,584.67	
\$0.00	5,967,610.89	1,509,159.06	\$40,778.67	\$4,458,451.83	\$367,008.07	11,796.59	40,778.67	3,835.78	535,995.72	
\$0.00	5,967,610.89	1,468,380.39	\$40,778.67	\$4,499,230.50		11,477.84	40,778.67	3,732.13	170,731.41	
\$0.00	5,967,610.89	1,427,601.72	\$40,778.67	\$4,540,009.17		11,159.09	40,778.67	3,628.49	111,554.90	
\$0.00	5,967,610.89	1,386,823.04	\$40,778.67	\$4,580,787.85		10,840.33	40,778.67	3,524.84	166,698.75	
\$0.00	5,967,610.89	1,346,044.37	\$40,778.67	\$4,621,566.52		10,521.58	40,778.67	3,421.20	221,420.20	
\$0.00	5,967,610.89	1,305,265.69	\$40,778.67	\$4,662,345.20		10,017.91	36,452.16	3,317.55	271,207.82	
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Note: Capital is booked one month in arrears.

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**7/27/2018 12:20:34 PM**

**in**

**Case No(s). 18-0783-EL-RDR**

Summary: Correspondence - Ohio Power Company submits its gridSMART Phase 2 rider update for the second quarter of 2018 electronically filed by Mr. Steven T Nourse on behalf of Ohio Power Company