BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of)	
Ohio Power Company for Authority to)	
Establish a Standard Service Offer)	Case No. 16-1852-EL-SSO
Pursuant to Section 4928.143, Revised Code,)	
in the Form of an Electric Security Plan)	
In the Matter of the Application of)	
Ohio Power Company for Approval of)	Case No. 16-1853-EL-AAM
Certain Accounting Authority)	

OHIO POWER COMPANY'S APPLICATION TO AMEND ITS ELECTRIC SECURITY PLAN

WORKPAPERS
For
David R. Gill

Rate / Typical Bill Assumptions

	<u>Description</u>	<u>Current</u>	<u>Proposed</u>	
	Base Distribution Rates	Rates as of 11/1/2016	Revenue Neutral Residential Redesign	1/
USF	Universal Service Fund Rider	Rates as of 11/1/2016	No change	
BDR	Bad Debt Rider	Rates as of 11/1/2016	No change	
kWh Tax	kWh Tax Rider	Rates as of 11/1/2016	No change	
RDCR	Residential Distribution Credit Rider	Rates as of 11/1/2016	No change	
PTBAR	Pilot Throughput Balancing Adjustment Rider	Rates as of 11/1/2016	No change	2/
DAPIR	Deferred Asset Phase-In Rider	Rates as of 11/1/2016	No change in 2017; Expires in 2019	3/
GENE	Generation Energy	Rates as of 11/1/2016	GENE Estimate	4/
GENC	Generation Capacity	Rates as of 11/1/2016	GENC Estimate	4/
ACRR	Auction Cost Reconciliation Rider	Rates as of 11/1/2016	No change	5/
ETR	Electronic Transfer Rider	Rates as of 11/1/2016	No change	
PPA	Power Purchase Agreement Rider	Rates as of 11/1/2016	Replaced	
N/A	Pilot Demand Response Rider	Rates as of 11/1/2016	No change	
EE/PDR	Energy Efficiency/Peak Demand Reduction	Rates as of 11/1/2016	EE/PDR Estimate	6/
ESRR	Enhanced Service Reliability	Rates as of 11/1/2016	ESRR Estimate	7/
gridSMART® 1	gridSMART Phase 1 Rider	Rates as of 11/1/2016	No change	
gridSMART® 2	gridSMART Phase 2 Rider	Rates as of 11/1/2016	No change	
RSR	Retail Stability Rider	Rates as of 11/1/2016	No change in 2017; expires in 2018	8/
DIR	Distribution Investment Rider	Rates as of 11/1/2016	DIR Estimate	9/
SDRR	Storm Damage Cost Recovery Rider	Rates as of 11/1/2016	No change	
AER	Alternative Energy Rider	Rates as of 11/1/2016	No change	
PIRR	Phase-In Recovery Rider	Rates as of 11/1/2016	No change in 2017; Expires in 2019	10/
IRP	Interruptible Power Rider	Not shown	Not shown	11/
BTCR	Basic Transmission Cost Rider	Rates as of 11/1/2016	BTCR Estimate	12/
EDR	Economic Development Cost Recovery Rider	Rates as of 11/1/2016	EDR Estimate	13/
ACR	Automaker Credit Rider	N/A	Not shown	11/
CIR	Competition Incentive Rider	N/A	CIR Estimate	14/
SSOCR	SSO Credit Rider	N/A	SSOCR Estimate	14/
RGR	Renewable Generation Rider	N/A	Not shown	15/
SR	Submetering Rider	N/A	Not shown	15/
DTR	Distribution Technology Rider	N/A	DTR Estimate	16/

- 1/ See Exhibit DRG-6 for revenue neutral residential rate redesign.
- 2/ PTBAR Energy Revenue Target will reduce pursuant to Exhibit DRG-7; this change is not modeled in the typical bills.
- 3/ DAPIR is currently set to expire as designed in Case No. 12-1969-EL-ATS.
- 4/ See WP DRG-6 for estimate of GENE and GENC rates.
- 5/ No basis exists to project proposed ACRR rates that are different than current.
- 6/ See WP DRG-3 for estimate of proposed EE/PDR rates.
- 7/ See WP DRG-2 for restatement of ESP III spend estimate and estimate of proposed ESP III extension rates.
- 8/ RSR is currently projected to expire in February 2018.
- 9/ See WP DRG-2 for restatement of ESP III caps (as of 10-1-2016) and estimate of ESP III extension rates.
- 10/ PIRR is currently set to expire as designed in Case No. 11-4920-EL-RDR.
- 11/ IRP and ACR credits are not applicable to "typical" customers.
- 12/ See WP DRG-7 for application of County Fair Transmission Supplement to BTCR.
- 13/ See WP DRG-4 for estimate of proposed EDR rates.
- 14/ See Exhibits DRG-3 and DRG-4 for estimates of proposed CIR and SSOCR rates.
- 15/ RGR and SR are placeholders, so no basis exists to project rates.
- 16/ See Exhibit DRG-5 for estimate of proposed DTR rates.

ESRR and DIR Rate Estimates

Enhanced Service Reliability Rider Rate Estimate

	Year	Annual Capital	(Cumulative Capital	Carrying Charge	Carrying Costs	0&M	Total	Base D**	Rate
	2009	\$ 5,000,000	\$	5,000,000	14.19%	\$ 354,750	\$ 26,000,000	\$ 26,354,750		
ESP I	2010	\$ 7,000,000	\$	12,000,000	14.19%	\$ 1,206,150	\$ 28,000,000	\$ 29,206,150		
	2011	\$ 8,000,000	\$	20,000,000	14.19%	\$ 2,270,400	\$ 30,000,000	\$ 32,270,400		
	2012	\$ 5,000,000	\$	25,000,000	14.19%	\$ 3,192,750	\$ 30,000,000	\$ 33,192,750		
ESP II	2013	\$ 5,000,000	\$	30,000,000	14.19%	\$ 3,902,250	\$ 34,000,000	\$ 37,902,250		
	2014	\$ 5,000,000	\$	35,000,000	14.19%	\$ 4,611,750	\$ 34,000,000	\$ 38,611,750		
	2015	\$ 1,000,000	\$	36,000,000	15.02%	\$ 5,332,100	\$ 25,000,000	\$ 30,332,100		
ESP III	2016	\$ 1,000,000	\$	37,000,000	15.02%	\$ 5,482,300	\$ 25,000,000	\$ 30,482,300		7.34119% ***
	2017	\$ 1,000,000	\$	38,000,000	15.02%	\$ 5,632,500	\$ 25,000,000	\$ 30,632,500	\$ 633,702,536	4.83389%
	2018	\$ 1,162,863	\$	39,162,863	15.84% *	\$ 6,111,299	\$ 26,467,382	\$ 32,578,681	\$ 633,702,536	5.14101%
	2019	\$ 1,282,674	\$	40,445,537	15.84%	\$ 6,304,985	\$ 27,643,327	\$ 33,948,312	\$ 633,702,536	5.35714%
Amended	2020	\$ 1,405,481	\$	41,851,019	15.84%	\$ 6,517,887	\$ 28,848,670	\$ 35,366,557	\$ 633,702,536	5.58094%
ESP III	2021	\$ 1,531,358	\$	43,382,377	15.84%	\$ 6,750,485	\$ 30,084,148	\$ 36,834,633	\$ 633,702,536	5.81261%
ESPIII	2022	\$ 1,660,381	\$	45,042,758	15.84%	\$ 7,003,271	\$ 31,350,512	\$ 38,353,782	\$ 633,702,536	6.05233%
	2023	\$ 1,792,630	\$	46,835,388	15.84%	\$ 7,276,749	\$ 32,648,535	\$ 39,925,284	\$ 633,702,536	6.30032%
	2024	\$ 1,928,186	\$	48,763,574	15.84%	\$ 7,571,438	\$ 33,979,008	\$ 41,550,446	\$ 633,702,536	6.55677%

^{*} From Exhibit MDK-5, using 9.29% Return component that results from the 12.5% ROE ceiling, supported by Company witness Kyle, in modification of WACC calculation in Exhibit MDK-3

Distribution Investment Rider Rate Estimate

Year	Revenue Cap	Base D	Rate
2016*			29.13302%
2017	\$ 190,000,000	\$ 633,702,536	29.98252%
2018**	\$ 226,000,000	\$ 633,702,536	35.66342%
2019	\$ 312,000,000	\$ 633,702,536	49.23446%
2020	\$ 343,000,000	\$ 633,702,536	54.12634%
2021	\$ 373,000,000	\$ 633,702,536	58.86042%
2022	\$ 401,000,000	\$ 633,702,536	63.27890%
2023	\$ 427,000,000	\$ 633,702,536	67.38177%
2024	\$ 444,000,000	\$ 633,702,536	70.06442%

^{* 2016} DIR rate is actual 11/1/2016 DIR rate

^{**} Calendar year 2015 actual

^{*** 2016} ESRR rate is actual 11/1/2016 rate

^{** 2018} DIR rate is the sum of the DIR cap for the first five months of 2018 approved in Case No. 13-2385-EL-SSO plus the cap for the last seven months of 2018 as proposed in this proceeding

November 1, 2016 Rates (Case No. 13-1201-EL-RDR):

	Program		Shared			Rider		2013-2014	Forecasted		Revenue	2009-2011	ı	RP Portion	
<u>Tariffs</u>	Costs		Savings	Total		Revenue		Costs	Metered Energy	EE&PDR Rider	Verification	Rider True-Up	EE	&PDR Rider	EE&PDR Rider
	(\$)		(\$)	(\$)					(kWh)	(\$/kWh)	(\$)	(\$/kWh)		(\$/kWh)	(\$/kWh)
RS	\$ 120,828,016	\$	37,209,147	\$ 158,037,163	\$	41,803,243	\$	116,233,920	28,926,410,940	0.0040183	116,233,920	0.0000419	\$	0.000506	0.0045666
All Other C&I	\$ 119,823,996	\$	51,110,254	\$ 170,934,250	\$	50,917,786	\$	120,016,464	38,166,532,976	0.0031445	120,016,464	(0.0003120)	\$	0.000506	0.0033390
GS4/IRP	\$ 12,563,563	\$	5,358,584	\$ 17,922,147	\$	4,956,945	\$	12,965,202	26,311,221,470	0.0004928	12,965,202	(0.0000459)	\$	0.000506	0.0009533
Total	\$ 253.215.574	Ś	93.677.985	\$ 346.893.559	Ś	97.677.974	Ś	249.215.585	93.404.165.386		249.215.586				

Tariffs	IRP Credits	Forecasted Metered Energy		IRP Portion E&PDR Rider	Revenue Verification
	(\$)	(kWh)	(\$/kW		(\$)
RS	\$ 14,648,951	28,926,410,940	\$	0.000506	14,648,951
All Other C&I	\$ 19,328,346	38,166,532,976	\$	0.000506	19,328,346
GS4/IRP	\$ 13,324,564	26,311,221,470	\$	0.000506	13,324,564
Total	\$ 47,301,862	93,404,165,386			47,301,862

Estimated Implementation Month Rates:

										Adjusted							
		Program		Shared				Rider		2013-2014	Forecasted		Revenue	2009-2011	- 1	RP Portion	
<u>Tariffs</u>		Costs		Savings		Total		Revenue		Costs	Metered Energy	EE&PDR Rider	Verification	Rider True-Up	EE	&PDR Rider	EE&PDR Rider
		(\$)		(\$)		(\$)					(kWh)	(\$/kWh)	(\$)	(\$/kWh)		(\$/kWh)	(\$/kWh)
RS	\$	120,828,016	\$	37,209,147	\$	158,037,163	\$	41,803,243	\$	116,233,920	28,926,410,940	0.0040183	116,233,920	0.0000419	\$	0.000304	0.0043642
All Other C&I	\$	119,823,996	\$	51,110,254	\$	170,934,250	\$	50,917,786	\$	116,092,742	38,166,532,976	0.0030417	116,092,742	(0.0003120)	\$	0.000304	0.0030338
GS4/IRP	\$	12,563,563	\$	5,358,584	\$	17,922,147	\$	4,956,945	\$	6,482,601	26,311,221,470	0.0002464	6,482,601	(0.0000459)	\$	0.000304	0.0005046
Total	4	252 245 574	ć	02 (77 005	۲.	246 002 550	ċ	07 (77 074	ć	220 000 202	02 404 105 200		220 000 202				

		IRP	Forecasted	IR	RP Portion	Revenue
Tariffs		Credits*	Metered Energy	EE8	&PDR Rider	Verification
		(\$)	(kWh)		(\$/kWh)	(\$)
RS	\$	8,795,752	28,926,410,940	\$	0.000304	8,795,752
All Other C&I	\$	11,605,427	38,166,532,976	\$	0.000304	11,605,427
GS4/IRP	\$	8,000,542	26,311,221,470	\$	0.000304	8,000,542
Total	Ś	28.401.721	93.404.165.386			28,401,721

^{*} Total equal to \$47,301,862 divided by \$8.21/kW, that quotient added to twice 275 MW, that sum multiplied by \$8.21/kW, and then that product divided by two

Estimated June 1, 2018 Rates:

<u>Tariffs</u>		Program Costs		Shared Savings		Total		Rider Revenue		Adjusted 2013-2014 Costs	Forecasted Metered Energy	EE&PDR Rider	Revenue Verification	2009-2011 Rider True-Up	RP Portion &PDR Rider	EE&PDR Rider
		(\$)		(\$)		(\$)					(kWh)	(\$/kWh)	(\$)	(\$/kWh)	(\$/kWh)	(\$/kWh)
RS	\$	120,828,016	\$	37,209,147	\$	158,037,163	\$	41,803,243	\$	116,233,920	28,926,410,940	0.0040183	116,233,920	0.0000419	\$ 0.000333	0.0043935
All Other C&I	\$	119,823,996	\$	51,110,254	\$	170,934,250	\$	50,917,786	\$	116,092,742	38,166,532,976	0.0030417	116,092,742	(0.0003120)	\$ 0.000333	0.0030631
GS4/IRP	\$	12,563,563	\$	5,358,584	\$	17,922,147	\$	4,956,945	\$	6,482,601	26,311,221,470	0.0002464	6,482,601	(0.0000459)	\$ 0.000333	0.0005338
Total	Ś	253.215.574	Ś	93.677.985	Ś	346.893.559	Ś	97.677.974	Ś	238.809.262	93,404,165,386		238,809,263			

<u>Tariffs</u>	IRP Credits**	Forecasted Metered Energy	IRP Portion E&PDR Rider	Revenue Verification
	(\$)	(kWh)	(\$/kWh)	(\$)
RS	\$ 9,642,115	28,926,410,940	\$ 0.000333	9,642,115
All Other C&I	\$ 12,722,149	38,166,532,976	\$ 0.000333	12,722,149
GS4/IRP	\$ 8,770,387	26,311,221,470	\$ 0.000333	8,770,387
Total	\$ 31,134,651	93,404,165,386		31,134,651

^{**} Total equal to \$28,401,721 divided by \$8.21/kW then that quotient multiplied by \$9/kW

Economic Development Cost Recovery Rider Rate Estimate

November 1, 2016 Rates (Case No	November 1, 2016 Rates (Case No. 16-1684-EL-RDR)		Month Rates	Estimated June 1, 2018 Rates				
6 mos. Delta Revenue and CCs Half Sub/Tran EE/PDR Costs Half IRP Credits Automaker Credits	\$ 3,354,329 \$ - \$ - \$ -	Annual Delta Revenue and CCs Half Sub/Tran EE/PDR Costs* Half IRP Credits* Automaker Credits **	\$ 6,708,658 \$ 10,406,323 \$ 28,401,721 \$ 500,000	Annual Delta Revenue and CCs Half Sub/Tran EE/PDR Costs* Half IRP Credits* Automaker Credits**	\$ 6,708,658 \$ 10,406,323 \$ 31,134,651 \$ 500,000			
Total Revenue Requirement	\$ 3,354,329	Total Revenue Requirement	\$ 46,016,702	Total Revenue Requirement	\$ 48,749,632			
Half Base Distribution Revenue	\$ 316,851,268	Base Distribution Revenue	\$ 633,702,536	Base Distribution Revenue	\$ 633,702,536			
Rate (% of base d)	1.05864%	Rate (% of base d)	7.26156%	Rate (% of base d)	7.69283%			

^{*} See WP DRG-3

^{**} Equal to annual maximum

Bill Impact Table for Testimony

Columbus So	uthern Power	Rate Zone		
	SSC	O Monthly Bi	ills	
Household	Current	Proposed	Change	<u>Tariff</u>
1,000 kWh usage	\$134	\$135	1.2%	R-R Bill
2,000 kWh usage	\$254	\$250	-1.8%	R-R Bill
4,000 kWh usage	\$495	\$478	-3.5%	R-R Bill
Small Business				
1,000 kW demand and 100,000 kWh usage	\$15,349	\$15,353	0.0%	GS-2 Primary
1,000 kW demand and 350,000 kWh usage	\$33,108	\$32,674	-1.3%	GS-3 Primary
Industrial Business				
20,000 kW demand and 8 million kWh usage	\$552,042	\$528,806	-4.2%	GS-4
20,000 kW demand and 12 million kWh usage	\$791,094	\$756,216	-4.4%	GS-4
Ohio I	Power Rate Zo	one		
	SSC	O Monthly Bi	IIs	
Household	Current	Proposed	Change	<u>Tariff</u>
1,000 kWh usage	\$142	\$143	1.1%	RS Bill
2,000 kWh usage	\$271	\$266	-1.7%	RS Bill
4,000 kWh usage	\$527	\$510	-3.2%	RS Bill
Small Business				
1,000 kW demand and 100,000 kWh usage	\$16,933	\$16,963	0.2%	GS-2 Primary
1,000 kW demand and 300,000 kWh usage	\$32,692	\$32,370	-1.0%	GS-2 Primary
Industrial Business				
20,000 kW demand and 8 million kWh usage	\$608,677	\$585,416	-3.8%	GS-4 Transmission
20,000 kW demand and 12 million kWh usage	\$876,246	\$841,343	-4.0%	GS-4 Transmission

Calculation of Capacity Revenue Requirement in \$/MWh

			2017	/2018		
<u>Line</u>	<u>Description</u>	Secondary	<u>Primary</u>	Sub/Tran	<u>Total</u>	_
1	SSO Load - 5 CP at Meter	2,515	32	161	2,708	MW
2	Transmission and Distribution Losses	1.09	1.06	1.03		
3	5 CP at Generator (1) x (2)	2,749	34	166	2,950	MW
4	Days in Period				365	
5	MW-days (3) x (4)				1,076,597	_
6	Zonal Capacity Price*				\$173.08	/MW-day
7	Capacity Revenue Requirement (5) x (6)				\$ 186,338,589	-
<u>Line</u>	<u>Description</u>	<u>Secondary</u>	<u>Primary</u>	Sub/Tran	<u>Total</u>	
8	Energy at Meter (MWh)	11,804,747	223,573	1,665,605	13,693,925	
9	Transmission and Distribution Losses **	1.0604	1.0235	1.0031	, ,	
10	Energy for PJM Settlement (MWh) (8) x (9)	12,517,801	228,837	1,670,730	14,417,368	-
11	Capacity Revenue Requirement (\$/MWh) (7) / (10)				\$ 12.92	
* Zonal C	apacity Price consists of:	RPM Auction Clea Zonal Scaling Fact Forecast Pool Req	or***		\$151.26 1.04413 1.0959	

^{**} Loss Factors reduced by 3% for marginal loss deration

^{***} Reflects Second Incremental Auction results

Calculation of Generation Capacity Rider Rates

2017/2018

GS Non Demand Description **Total** Residential Secondary GS Secondary GS Primary GS Sub/Tran Lighting <u>Line</u> 1 SSO Load - 5 CP at Meter 2,708 2,138 57 321 32 161 1.0932 2 Transmission and Distribution Losses 1.0932 1.0932 1.0552 1.0341 1.0932 5 CP at Generator (1) x (2) 2,337 62 350 34 3 2,950 166 4 Capacity Revenue Requirement on (3) \$ 186,338,589 147,630,000.22 3,929,654 22,135,211 2,155,177 10,488,547 5 Energy at the Meter (MWh) 13,693,925 9,555,176 342,327 1,794,745 223,573 1,665,605 112,498 \$ 15.45 \$ 11.48 \$ 12.33 \$ 9.64 \$ 6.30 \$ 6 Capacity Rate (\$/MWh) (4) / (5) 1.00435 1.00435 1.00435 7 Tax Gross-up* 1.00435 1.00435 1.00435 Rider GENC (\$/MWh) (6) x (7) 11.53 \$ 12.39 \$ 8 \$ 15.52 \$ 9.68 \$ 6.32 \$ 9 Generation Capacity Rider Rate (¢/kWh) 1.55200 1.15300 1.23900 0.96800 0.63200 0.00000

^{*} Tax Gross-up includes: CAT Tax, PUCO and OCC Assessments

Generation Capacity Rider Design for Time-of-Day Rates

CSP Rate Zone - RLM						June 2017	4,305 \$ 0.0215282 \$ 5,972 16,920 \$ 0.0116503 \$ 12,701				
	Generation Capacity Rider Rate Design Usage	Jan-May 2015 Generation Capacity Rider	;		Residential Service Generation Capacity						
<u>Description</u>	(kWh)	Rates		Billing	Rider	<u>Billing</u>				Billing	
Winter Season											
First 750 kWh per Month	277,398	\$ 0.024344	\$	6,753	\$ 0.015520	\$ 4,305	\$	0.0215282	\$	5,972	
Next 150 kWh per kW Over 5 kW per Month	1,090,206	\$ 0.013174	. \$	14,363	\$ 0.015520	\$ 16,920	\$	0.0116503	\$	12,701	
All Additional kWh per Month Summer Season	1,381,854	\$ 0.015407	\$	21,291	\$ 0.015520	\$ 21,446	\$	0.0136251	\$	18,828	
First 750 kWh per Month	126,228	\$ 0.024344	. \$	3,073	\$ 0.015520	\$ 1.959	Ś	0.0215282	Ś	2.717	
Next 150 kWh per kW Over 5 kW per Month	454,573	\$ 0.023126		10,512	\$ 0.015520	\$ •					
All Additional kWh per Month	600,445	\$ 0.021638		•		\$ •			•	•	
Total		,	\$	68,984	,	\$ 	•				
CSP Rate Zone - RS-ES / RS-TOD						June 2017	′ - Ma	ıv 2018			
	Generation	Jan-May 2015	;		Residential			,			
	Capacity	Generation			Service						
	Rider Rate	Capacity			Generation		(Generation			
Description	Design Usage (kWh)	Rider		Billing	Capacity Rider	Billing		Capacity Rider		Billing	
<u>Description</u>	(KVVII)	<u>Rates</u>		DIIIIIK	nider	DIIIIIK		niuel		אווווומ	
On-Peak kWh	30,565	\$ 0.030371	\$	928	\$ 0.015520	\$ 474	\$	0.0268578	\$	821	
Off-Peak kWh	54,955	\$ 0.010419	\$	573	\$ 0.015520	\$ 853	\$	0.0092141	\$	506	
Total			\$	1,501		\$ 1,327			\$	1,327	
CSP Rate Zone - Experimental RS-TOD2						June 2017	' - Ma	ıy 2018			
·	Generation	Jan-May 2015	;		Residential			•			
	Capacity	Generation			Service						
	Rider Rate	Capacity			Generation		(Generation			
Description	Design Usage (kWh)	Rider <u>Rates</u>		Billing	Capacity Rider	Billing		Capacity Rider		Billing	
<u>Sesen peroni</u>	(KVVII)	<u>rtates</u>		<u> Вини</u>	Maci	Dilling		Maci		Dilling	
High Cost Hours	1,589,576	\$ 0.175869	\$	279,557	\$ 0.015520	\$ 24,670	\$	0.1555259	\$	247,220	
Low Cost Hours	18,387,409	\$ 0.003864	\$	71,040	\$ 0.015520	\$ 285,373	\$	0.0034166	\$	62,822	
Total			\$	350,597		\$ 310,043			\$	310,043	
CSP Rate Zone - RS-CPP						June 2017	' - Ma	ıy 2018			
	Generation	Jan-May 2015	,		Residential						
	Capacity	Generation			Service			C + !			
	Rider Rate Design Usage	Capacity Rider			Generation Capacity		,	Generation Capacity			
<u>Description</u>	(kWh)	Rates		Billing	Rider	Billing		Rider		Billing	
Winter Season											
First 800 kWh	6,400	\$ 0.016017	\$	103	\$ 0.015520	\$ 99	\$	0.0141643	\$	91	
Over 800 kWh	2,172	\$ -	\$		\$ 0.015520	34	\$	-	\$	_	
Critical Peak Hours	28	\$ 0.387317			\$ 0.015520	0	-	0.3425158	•	10	
Summer Season											
Low Cost Hours	2,289	\$ 0.003873	\$	9	\$ 0.015520	\$ 36	\$	0.0034252	\$	8	
Medium Cost Hours	1,082	\$ 0.012144			\$ 0.015520	\$ 17				12	
High Cost Hours	892	\$ 0.024824	\$	22	\$ 0.015520	14	\$	0.0219526	\$	20	
Critical Peak Hours	184	\$ 0.387317	\$	71	\$ 0.015520	\$ 3	\$	0.3425158	\$	63	
Total			\$	229		\$ 202			\$	202	
CSP Rate Zone - RS-RTP						June 2017	' - Ma	ıy 2018			
	Generation	Jan-May 2015	;		Residential						
	Capacity	Generation			Service						
	Rider Rate	Capacity			Generation		(Generation			
Description	Design Usage (kWh)	Rider Rates		Rilling	Capacity Rider	Rilling		Capacity Rider		Rilling	

<u>Billing</u>

<u>Rates</u>

Rider

<u>Billing</u>

Rider

<u>Billing</u>

(kWh)

Description

Generation Capacity Rider Design for Time-of-Day Rates

Capacity	Energy Charge	14,595	\$	21.35	\$	256	\$ 0.015520	\$	227	\$	18.88	\$	227
Secretation					\$	256		\$	227			\$	227
Capacity Rider Rate													
Semeration Capacity Rider Rate Rider Rider Rate Rider	ate Zone - GS-2-LMTOD / GS-2-TOD								June 2017	' - Ma	y 2018		
Description	•	Generation	Ja	n-May 2015			General Service						
Design Usage Rates Rat		Capacity	(Generation			Non Demand						
Description		Rider Rate		Capacity			Generation			(Generation		
Deficient Number 1,973,797 5 0.038071 5 75,144 5 0.011530 5 22,758 5 0.0345092 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 66,583 5 0.000179 5 75,661 5 7		Design Usage		Rider			Capacity				Capacity		
OFF Peak kWh 3,974,008 \$ 0,000130 \$ 517 \$ 0,011530 \$ 45,825 \$ 0,0001179 OP Rate Zone - RS-ES / RS-TOD Generation Capacity Rider Rate Design Usage (kWh) Jan-May 2015 Residential Service Generation Capacity Rider Service Generation Capacity Rider Jan-May 2015 Generation Capacity Rider Service Generation Capacity Rider Jan-May 2015 S 1,03,83 \$ 74,38 \$ 0,015520 \$ 31,763 \$ 0,0032139 OP Rate Zone - RDMS Generation Rider Rate Design Usage Rider Jan-May 2015 \$ 125,464 \$ 0,015520 \$ 31,763 \$ 0,0032139 OP Rate Zone - RDMS Generation Rider Rate Design Usage Rider Jan-May 2015 \$ 125,464 \$ 0,015520 \$ 31,763 \$ 0,008838 OP Rate Zone - RDMS Generation Rider Rate Design Usage Rider Jan-May 2015 S 1,0264 \$ 0,015520 \$ 10,0351 \$ 0,008838 OP Rate Zone - RDMS Generation Rider Rate Design Usage Rider Jan-May 2015 Residential Service Capacity Rider S 10,03520 \$ 10,03521 \$ 10,03521 \$ 10,03521 \$ 10,03521 \$ 10,03521 \$ 10,03521 \$ 0,0178259 \$ 0,0178259 \$ 0,0178259 \$ 0,0178259 <	<u>iption</u>	(kWh)		Rates		Billing	<u>Rider</u>		<u>Billing</u>		Rider		Billing
OFF-Peak kWh 3,974,408 \$ 0,000130 \$ 517 \$ 0,011530 \$ 45,825 \$ 0,0001179 OP Rate Zone - RS-ES / RS-TOD Generation Capacity Rider Rate Capacity Passing Usage (kWh) Senderation (kWh) 2,046,613 \$ 0,036343 \$ 74,380 \$ 0,01520 \$ 31,763 \$ 0,003833 On-Peak kWh 2,046,613 \$ 0,036343 \$ 74,380 \$ 0,01520 \$ 31,763 \$ 0,003833 Total \$ 1,023,22 \$ 0,010012 \$ 51,084 \$ 0,01520 \$ 31,763 \$ 0,003833 Total \$ 2,000012 \$ 125,464 \$ 0,01520 \$ 31,763 \$ 0,003833 Total \$ 1,002,322 \$ 0,010012 \$ 1,048 \$ 0,01520 \$ 31,763 \$ 0,003833 Total \$ 1,002,322 \$ 0,010012 \$ 1,048 \$ 0,01520 \$ 31,763 \$ 0,003833 Total \$ 1,002,322 \$ 0,010012 \$ 1,048 \$ 0,01520 \$ 110,951 \$ 0,008838 OP Rate Zone - RDMS \$ 2,002,0000 \$ 1,0000 \$ 1,0000 \$ 1,0000 \$ 1,0000 \$ 1,0000 \$ 1,0000 \$ 1,0000 \$													
Description	eak kWh	1,973,797	\$	0.038071	\$	75,144	\$ 0.011530	\$	22,758	\$	0.0345092	\$	68,114
Description	eak kWh	3,974,408	\$	0.000130	\$	517	\$ 0.011530	\$	45,825	\$	0.0001179	\$	469
Capacity					\$	75,661		\$	68,583			\$	68,583
Capacity													
Capacity	ate Zone - RS-ES / RS-TOD								June 2017	' - Ma	v 2018		
Rider Rate Capacity Rider Rid		Generation	Ja	n-May 2015			Residential						
Description Design Usage (kWh) Rider Rates Billing Capacity Rider Solution Rider		Capacity	(Generation			Service						
Pescription		Rider Rate		Capacity			Generation			(Generation		
On-Peak kWh 2,046,613 \$ 0.036343 \$ 74,380 \$ 0.015520 \$ 31,763 \$ 0.0323191 Off-Peak kWh 5,102,322 \$ 0.010012 \$ 51,084 \$ 0.015520 \$ 79,188 \$ 0.0088538 Total \$ 125,464 \$ 10,951		Design Usage		Rider			Capacity				Capacity		
Off-Peak kWh 5,102,322 \$ 0.010012 \$ 1,084 \$ 0.015520 \$ 79,188 \$ 0.0088538 Total \$ 125,464 \$ 110,951 \$ 10,952 \$ 10,951 \$ 10,951 \$ 10,951 \$ 10,951 \$ 10,951 \$ 10,951 \$ 10,952	<u>iption</u>	<u>(kWh)</u>		Rates		<u>Billing</u>	<u>Rider</u>		<u>Billing</u>		<u>Rider</u>		<u>Billing</u>
Off-Peak kWh 5,102,322 \$ 0.010012 \$ 1,084 \$ 0.015520 \$ 79,188 \$ 0.0088538 Total \$ 125,464 \$ 110,951 \$ 10,952 \$ 10,951 \$ 10,951 \$ 10,951 \$ 10,951 \$ 10,951 \$ 10,951 \$ 10,952	aak kM/b	2 0/6 612	ċ	0 036343	ć	7/1 200	\$ 0.015520	ċ	21 762	ć	0 0221201	\$	65,776
Total			-			,	•	-	•			\$ \$	
OP Rate Zone - RDMS Generation Rider Rate Design Usage Rider Rider Rider Rate Design Usage Rider Rate Design Usage Rider Rider Rate Design Usage Rider Rate Design Usage Rider Rider Rate Design Usage Rider Rate Design Usage Rider Rider Rate Rate Design Usage Rider Rider Rate Rate Rate Rate Rate Rate Rate Rate	eak kwn	5,102,322	Ş	0.010012			\$ 0.015520			>	0.0088538	\$	45,175 110,951
Compact Com					Ş	123,464		Ş	110,951			Ş	110,951
Generation Jan-May 2015 Generation Service Generation Gen	As Zama DDMC								l 2017		2010		
Capacity Rider Rate Posign Usage Rider Rate Posign Usage Rider Rate Rate Robin Rider Rate Rate Rate Rate Rate Rate Rate Rate	ite Zone - KDIVIS	Generation	la	n-May 2015			Residential		June 2017	- ivia	y 2018		
Rider Rate Design Usage Rider	Data Use RS-ES / RS-TOD Scaling)			•									
Description Design Usage IRWth Rider Rates Billing Capacity Rider Billing Capacity Rider Billing Capacity Rider Billing Capacity Rider Billing Rider \$ 0.0178259 \$ 0.0178259 \$ 0.0178259 \$ 0.0178259 \$ 0.015520 \$ 0.015520 \$ 0.0155809 \$ 0.0155809 \$ 0.0155809 \$ 0.0155809 \$ 0.015520 \$ 0.0155809 \$ 0.0155809 \$ 0.0155809 \$ 0.015520 \$ 0.0155809 \$ 0.005509 \$ 0.015520 \$ 0.0155809 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 \$ 0.005509 <th< td=""><td>Julia, OSC NO EST NO TOD Scaling)</td><td></td><td>`</td><td></td><td></td><td></td><td></td><td></td><td></td><td>(</td><td>Generation</td><td></td><td></td></th<>	Julia, OSC NO EST NO TOD Scaling)		`							(Generation		
Description (kWh) Rates Billing Rider Billing Rider Winter Season kWh > 400 times billing demand - \$ 0.020158 \$ - \$ 0.015520 \$ - \$ 0.0178259 First 500 on-peak kWh - \$ 0.025186 \$ - \$ 0.015520 \$ - \$ 0.0222727 Over 500 on-peak kWh - \$ 0.018765 \$ - \$ 0.015520 \$ - \$ 0.0168689 All Additional kWh per Month - \$ 0.005710 \$ - \$ 0.015520 \$ - \$ 0.0050494 Total - \$ 0.005710 \$ - \$ 0.015520 \$ - \$ 0.0050494 OP Rate Zone - G5-1-ES First 500 00-peak kWh - \$ 0.005710 \$ - \$ 0.015520 \$ - \$ 0.0050494 Op Rate Zone - G5-1-ES First 500 00-peak kWh Pan-May 2015 Generation Capacity Generation Capacity Rider Rider Rider Billing Rider Billing Rider \$ 0.0235846 \$ 0.0235846 \$ 0.005680 \$ 0.011530 \$ 0.0051482 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>`</td><td></td><td></td><td></td></td<>										`			
Winter Season kWh > 400 times billing demand - \$ 0.020158 \$ - \$ 0.015520 \$ - \$ 0.0178259 First 500 on-peak kWh - \$ 0.025186 \$ - \$ 0.015520 \$ - \$ 0.0222727 Over 500 on-peak kWh - \$ 0.018756 \$ - \$ 0.015520 \$ - \$ 0.0165869 All Additional kWh per Month - \$ 0.005710 \$ - \$ 0.015520 \$ - \$ 0.0050494 Total - \$ 0.005710 \$ - \$ 0.015520 \$ - \$ 0.0050494 OP Rate Zone - GS-1-ES Generation Capacity Rider Rate Design Usage Pack Wh Jan-May 2015 Generation Capacity Rider Rate Pack Wh S 0.026019 Seneration Capacity Capacity Capacity Pack Wh S 0.026019 Seneration Pack Wh Rider Rate Pack Wh \$ 0.01530 Seneration Pack Wh \$ 0.0235846 Off-Peak kWh 179,823 \$ 0.005680 Seneration Pack Wh \$ 0.011530 Seneration Pack Wh \$ 0.011530 Seneration Pack Wh \$ 0.0051484 Off-Peak kWh 179,823 Seneration Capacity Generation Capacity Rider Rate Pack Wh \$ 0.005680 Seneration Pack Wh \$ 0.001530 Seneration Pack Wh \$ 0.005680 Seneration Pack Wh \$ 0.001530 Seneration Pack Wh <td></td> <td></td> <td></td> <td></td> <td></td> <td>Billing</td> <td></td> <td></td> <td>Billing</td> <td></td> <td></td> <td></td> <td>Billing</td>						Billing			Billing				Billing
Right Section Sectio	prieri	,											
First 500 on-peak kWh	er Season												
Over 500 on-peak kWh - \$ 0.018756 \$ - \$ 0.015520 \$ - \$ 0.0165869 All Additional kWh per Month - \$ 0.005710 \$ - \$ 0.015520 \$ - \$ 0.0050494 Total \$ - \$ 0.005710 \$ - \$ 0.015520 \$ - \$ 0.0050494 OP Rate Zone - GS-1-ES ** June 2017 - May 2018 Generation Capacity Rider Rate Design Usage Rider ** Capacity Capaci	> 400 times billing demand	-	\$	0.020158	\$	-	\$ 0.015520	\$	-	\$	0.0178259	\$	-
All Additional kWh per Month	500 on-peak kWh	-	\$	0.025186	\$	-	\$ 0.015520	\$	-	\$	0.0222727	\$	-
All Additional kWh per Month	r 500 on-peak kWh	-	\$	0.018756	\$	-	\$ 0.015520	\$	_	Ś	0.0165869	\$	-
S	.dditional kWh ner Month	_		0.005710	\$	_		\$	_	Ġ	0.0050494	\$	_
Generation Jan-May 2015 General Service Capacity Generation Rider Rate Capacity Generation Design Usage Rider Capacity Generation On-Peak kWh Off-Peak kWh Off-Pe	dational NVIII per month		7	0.0007.10		-	ψ 0.010020		-	<u> </u>	0.0000 .0 .	\$	-
Generation Jan-May 2015 General Service Capacity Generation Rider Rate Capacity Generation Design Usage Rider Capacity Generation On-Peak kWh Off-Peak kWh Off-Pe													
Capacity Rider Rate Design Usage Rider Capacity Rider Rates Description On-Peak kWh 95,196 \$ 0.026019 \$ 2,477 \$ 0.011530 \$ 1,098 \$ 0.0235846 Probability of the prob	ate Zone - GS-1-ES								June 2017	' - Ma	y 2018		
Rider Rate Design Usage Rider Rates Design Usage Rider Rates Rider Capacity Capacity Capacity Rates Rider				-									
Design Usage Rider Capacity Capacity			(
Description (kWh) Rates Billing Rider Billing Rider On-Peak kWh 95,196 \$ 0.026019 \$ 2,477 \$ 0.011530 \$ 1,098 \$ 0.0235846 Off-Peak kWh 179,823 \$ 0.005680 \$ 1,021 \$ 0.011530 \$ 2,073 \$ 0.0051484 Total \$ 3,498 \$ 3,171 \$ 3,171 OP Rate Zone - GS-2-ES / GS-TOD Generation Capacity General Service Capacity Generation Capacity General Service Non Demand Rider Rate Design Usage Rider Rate Rates (Capacity Generation Capacity Generation Capacity Generation Capacity Generation Rates Generation Capacity Generation Generation Capacity Generation Generation Capacity Generation Capacity Generation Capacity Generation Generation Capacity G										(
On-Peak kWh 95,196 \$ 0.026019 \$ 2,477 \$ 0.011530 \$ 1,098 \$ 0.0235846 Off-Peak kWh 179,823 \$ 0.005680 \$ 1,021 \$ 0.011530 \$ 2,073 \$ 0.0051484 OP Rate Zone - GS-2-ES / GS-TOD						Dillin -			Dillin -				Dillin -
Off-Peak kWh 179,823 \$ 0.005680 \$ 1,021 \$ 0.011530 \$ 2,073 \$ 0.0051484 Total \$ 3,498 \$ 3,498 \$ 3,171 OP Rate Zone - GS-2-ES / GS-TOD June 2017 - May 2018 Generation Capacity Generation Rider Rate Capacity Generation Rider Rate Design Usage Rider Capacity Generation Capacity Generation Rider Rate Capacity Generation Generation Capacity Generation Capacity Generation Rider Rate Capacity Generation Design Usage Rider Generation Generation Capacity Generation C	<u>iption</u>	(KWN)		<u>Rates</u>		Billing	<u>kider</u>		Billing		Rider		<u>Billing</u>
Off-Peak kWh 179,823 \$ 0.005680 \$ 1,021 \$ 0.011530 \$ 2,073 \$ 0.0051484 Total \$ 3,498 \$ 3,171 \$ 3,171 OP Rate Zone - GS-2-ES / GS-TOD Separation Capacity Generation Posign Usage Pider Generation Capacity Generation Posign Usage Pider Non Demand Generation Generation Generation Capacity Capacity Generation Posign Usage Pider Generation Capacity Capacity Capacity Capacity Pider Description (kWh) Rates Billing Rider Billing Rider	eak kWh	95,196	\$	0.026019	\$	2,477	\$ 0.011530	\$	1,098	\$	0.0235846	\$	2,245
Total \$ 3,498 \$ 3,171 OP Rate Zone - GS-2-ES / GS-TOD Generation Jan-May 2015 General Service Capacity Generation Non Demand Rider Rate Capacity Generation Design Usage Rider Capacity Capaci	eak kWh	179,823	\$	0.005680	\$	1,021	\$ 0.011530	\$	2,073	\$	0.0051484	\$	926
Generation Jan-May 2015 General Service Capacity Generation Non Demand Rider Rate Capacity Generation Generation Design Usage Rider Capacity Capacity Description (kWh) Rates Billing Rider Billing Rider						3,498		\$	3,171			\$	3,171
Generation Jan-May 2015 General Service Capacity Generation Non Demand Rider Rate Capacity Generation Generation Design Usage Rider Capacity Capacity Description (kWh) Rates Billing Rider Billing Rider													
Capacity Generation Non Demand Rider Rate Capacity Generation Generation Design Usage Rider Capacity Capacity Description (kWh) Rates Billing Rider Billing Rider	ate Zone - GS-2-ES / GS-TOD								June 2017	' - Ma	y 2018		
Rider Rate Capacity Generation Generation Design Usage Rider Capacity Capacity Description (kWh) Rates Billing Rider Billing Rider				•									
Design Usage Rider Capacity Capacity <u>Description</u> (<u>kWh</u>) <u>Rates</u> <u>Billing</u> <u>Rider</u> <u>Billing</u> <u>Rider</u>			(_		
<u>Description</u> (kWh) <u>Rates</u> <u>Billing</u> <u>Rider</u> <u>Billing</u> <u>Rider</u>										(
						B.111:			B.III.				B.III:
On Book WWh 10 075 470 \$ 0.030041 \$ 202 200 \$ 0.011520 \$ 217 624 \$ 0.040044	<u>iption</u>	<u>(kWh)</u>		Rates		Billing	<u>Rider</u>		<u>Billing</u>		Rider		<u>Billing</u>
100/34/9 3 HHZDAN S 394 4XH S HHZDAN S 7/1/84/1 C HMT00011	eak kWh	18,875,479	\$	0 0208/11	¢	393,380	\$ 0.011520	¢	217 634	\$	0.0188911	¢	356 570
On-Peak kWh 18,875,479 \$ 0.020841 \$ 393,380 \$ 0.011530 \$ 217,634 \$ 0.0188911 Off-Peak kWh 27,663,099 \$ 0.007179 \$ 198,591 \$ 0.011530 \$ 318,956 \$ 0.0065073						•	•						180,012
Total \$ 536,590 \$ 0.007179 \$ 198,591 \$ 0.011530 \$ 318,956 \$ 0.0065073		27,003,099	Ş	0.00/1/9			\$ 0.011220			Þ	0.0005073		536,591

Calculation of Generation Energy Rider Rates

					2017/201	78
Blended Competitive Bid Price Capacity Revenue Requirement Residual Energy Price				\$ \$ \$	51.71 /MWh 12.92 /MWh 38.79 /MWh	
Tax Gross-up*		1.00435				Generation Energy
Rate		Fac	tors	F	RIDER	Rider Rate
<u>Schedule</u>	<u>Season</u>	Loss**	Season		NE***	(¢/kWh)
Residential	Summer	1.0604	1.00	\$	41.31	4.13100
	Winter	1.0604	1.00	\$	41.31	4.13100
PIPP Residential	Summer Winter	1.0604 1.0604	1.00 1.00			
GS Non Demand Secondary	Summer	1.0604	1.00	\$	41.31	4.13100
	Winter	1.0604	1.00	\$	41.31	4.13100
GS Secondary	Summer	1.0604	1.00	\$	41.31	4.13100
	Winter	1.0604	1.00	\$	41.31	4.13100
GS Primary	Summer	1.0235	1.00	\$	39.88	3.98800
	Winter	1.0235	1.00	\$	39.88	3.98800
GS Sub/Tran	Summer	1.0031	1.00	\$	39.08	3.90800
	Winter	1.0031	1.00	\$	39.08	3.90800
Lighting	Summer	1.0604	1.00	\$	41.31	4.13100
	Winter	1.0604	1.00	\$	41.31	4.13100

^{*} Tax Gross-up includes: Commercial Activities Tax and PUCO and OCC Assessments

^{**} Loss Factors reduced by 3% for marginal loss deration

^{***} Residual Energy Price x Tax Gross-up x Loss Factor x Seasonal Factor

	Current (as of No	vember 1, 2016)	Methodology - Case I	No. 15-1105-EL-RDR				Imp	lement County Fa	ir Transmission Sup	plement		
	•		Ohio Power Compa	ny						Ohio Power Comp	pany		
		(Class Contribution to N	ISPL						Class Contribution to	NSPL		
		Metered		At Generation					Metered		At Generation		
Class		Class	Loss	Class			Class		Class	Loss	Class		
Class		<u>MW</u>	<u>Factor</u>	<u>MW</u>			Class		MW	Factor	<u>MW</u>		
Residential		2,907	1.0932	3,178.27			Residential		2,907	1.0932	3,178.27		
GS Non Demand Secondary		120	1.0932	131.31			GS Non Demand Secondary		120	1.0932	131.59		
							GS Non Demand Primary		1	1.0552	1.32		
GS Secondary		1,849	1.0932	2,021.87			GS Secondary		1,849	1.0932	2,021.60		
GS Primary GS Sub/Tran		797 1,243	1.0552 1.0341	841.21 1,285.61			GS Primary GS Sub/Tran		796 1,243	1.0552 1.0341	839.89 1,285.61		
Lighting		11	1.0932	11.90			Lighting		11	1.0932	11.90		
EHG		7	1.0932	7.22			EHG		7	1.0932	7.22		
Total		6,934.8		7,477.4			Total		6,934.8		7,477.4		
	Mete	red	Loss	Units @ Secondary				Mete	red	Loss	Units @ Secondary		
	Energy	Demand	Factor	Energy				Energy	Demand	Factor	Energy		
Residential	14,225,492,718	-	1.0000	14,225,492,718			Residential	14,225,492,718	-	1.0000	14,225,492,718		
GS Non Demand Secondary	789,208,983	-	1.0000	789,208,983			GS Non Demand Secondary	791,665,805	-	1.0000	791,665,805		
GS Secondary	11,665,976,600	34,121,449	1.0000	11,665,976,600			GS Non Demand Primary GS Secondary	13,182,110 11,663,519,778	- 34,095,784	0.9652 1.0000	12,723,895 11,663,519,778		
GS Primary	6,221,462,006	13,649,825	0.9652	6,005,201,892			GS Primary	6,208,279,896	13,545,696	0.9652	5,992,477,997		
GS Sub/Tran	10,451,543,324	21,277,569	0.9459	9,886,517,519			GS Sub/Tran	10,451,543,324	21,277,569	0.9459	9,886,517,519		
Lighting	217,033,547		1.0000	217,033,547			Lighting	217,033,547		1.0000	217,033,547		
EHG	19,740,746	98,920	1.0000	19,740,746			EHG	19,740,746	98,920	1.0000	19,740,746		
	43,590,457,923	69,147,763		42,809,172,004				43,590,457,923	69,017,969		42,809,172,004		
			Loss Adjusted							Loss Adjusted			
	<u>Demand</u>	Demand Cost	kWh Energy	Energy Cost	Total Cost			<u>Demand</u>	Demand Cost	kWh Energy	Energy Cost	Total Cost	
Forecast							Forecast						
Residential		\$ 177,638,527	14,225,492,718 \$		\$ 183,100,225		Residential	3,178.3	\$ 177,638,527	14,225,492,718	\$ 5,461,697.63	\$ 183,100,225	
GS Non Demand Secondary	131.3	\$ 7,339,290	789,208,983 \$	303,006.79	\$ 7,642,297		GS Non Demand Secondary	131.6	. , ,	791,665,805		\$ 7,658,515	
00.0	2 024 0	4 442 005 566	44 005 070 000	4 470 000 05	4 447 404 570		GS Non Demand Primary	1.3		12,723,895			
GS Secondary GS Primary	,	\$ 113,005,566 \$ 47,016,533	11,665,976,600 \$ 6,005,201,892 \$		\$ 117,484,570 \$ 49,322,154		GS Secondary GS Primary		\$ 112,990,291 \$ 46,942,812	11,663,519,778 5,992,477,997		\$ 117,468,352 \$ 49,243,548	
GS Sub/Tran		\$ 71,854,922	9,886,517,519 \$		\$ 49,322,134		GS Sub/Tran		\$ 71,854,922	9,886,517,519		\$ 75,650,725	
Lighting	11.9		217,033,547 \$				Lighting	11.9		217,033,547			
EHG	7.2		19,740,746 \$				EHG	7.2	. ,	19,740,746			
Total	7,477.4	\$ 417,923,245	42,809,172,004 \$	16,436,039	\$ 434,359,284	- -	Total	7,477.4	\$ 417,923,245	42,809,172,004		\$ 434,359,284	
	Cos		Billing		Rat			Cos			ng Units	Rate	
	Demand Cost	Energy Cost	<u>KW</u>	<u>kWh</u>	Demand	Energy		Demand Cost	Energy Cost	KW	<u>kWh</u>	<u>Demand</u>	Energy
Residential	\$ 177,638,527	\$ 5,461,698	-	14,225,492,718		\$ 0.0128713	Residential	\$ 177,638,527	\$ 5,461,698	-	14,225,492,718		\$ 0.0128713
GS Non Demand Secondary		\$ 303,007	-	789,208,983		\$ 0.0096835		\$ 7,354,565		-	791,665,805		\$ 0.0096739
							GS Non Demand Primary	\$ 73,721		-	13,182,110		\$ 0.0059631
GS Secondary	\$ 113,005,566		34,121,449	11,665,976,600		\$ 0.0003839	,	\$ 112,990,291	. , ,	34,095,784	11,663,519,778		\$ 0.0003839
GS Primary	\$ 47,016,533		13,649,825	6,221,462,006	-		•	\$ 46,942,812	. , ,	13,545,696	6,208,279,896		\$ 0.0003706
GS Sub/Tran	\$ 71,854,922		21,277,569	10,451,543,324	\$ 3.38	\$ 0.0003632		\$ 71,854,922		21,277,569	10,451,543,324	\$ 3.38	\$ 0.0003632
Lighting EHG		\$ 83,327 \$ 7,579	- 98,920	217,033,547 19,740,746	\$ 155	\$ 0.0034478 \$ 0.0125281	0 0	\$ 664,959 \$ 403,448	. ,	- 98,920	217,033,547 19,740,746	¢ 166	\$ 0.0034478 \$ 0.0125281
Total	\$ 403,448 \$ 417,923,245		69.147.763	43,590,457,923	φ 1.0b	0.U125281 ډ	Total	7,	\$ 16,436,039	69,017,969	43,590,457,923	φ 1.bb	0.U125281 ب
		. ==, .50,055	,,. 00	, , , . 2				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	. ==, .50,033	,51.,505	, , ,		

Distribution Technology Rider Rate Estimates

Monthly Charge (\$)									
	Residential	Non-Residential							
2017	0.11	0.49							
2018	0.61	2.59							
2019	1.20	5.11							
2020	1.75	7.48							
2021	2.08	8.88							
2022	2.10	8.95							
2023	2.03	8.66							
2024	1.96	8.36							

2017

Incremental Investment	0	&M Spending	Capital (Carrying Charge		Revenue Requirement		
O&M	\$	2,228,961				\$	2,228,961	
Capital - EV Charging, Account 398			\$	15,219		\$	15,219	
Capital - Microgrid, Account 363			\$	93,336		\$	93,336	
Capital - Microgrid, Account 371			\$	68,959		\$	68,959	
Capital - Smart Lighting, Account 371			\$	55,287		\$	55,287	
Capital - Smart Lighting, Account 373			\$	53,423		\$	53,423	
Capital - NextGen UCS, Account 397			\$	236,525		\$	236,525	
Capital - Substation, Account 362			\$	73,619		\$	73,619	
			Total			\$	2,825,328	
			Tax Gross Up	Rate			100.938%	
			Total Revenue	e Requirement		\$	2,851,840	
Residential Base Distribution Non-Res Base Distribution	\$ \$	389,395,583 244,306,952		evenue Requirement enue Requirement		\$ \$	1,752,390 1,099,450	
			Residential Cu Non-Residenti		1,276,366 187,702		1.37 5.86	
			Residential Cu Non-Residenti		Monthly Rate Monthly Rate	\$ \$	0.11 0.49	

2018

Incremental Investment	0	&M Spending	Capital Carrying Charge			Revenue Requirement		
O&M	\$	3,851,434				\$	3,851,434	
Capital - EV Charging, Account 398			\$	287,441		\$	287,441	
Capital - Microgrid, Account 363			\$	1,744,629		\$	1,744,629	
Capital - Microgrid, Account 371			\$	1,283,224		\$	1,283,224	
Capital - Smart Lighting, Account 371			\$	1,018,742		\$	1,018,742	
Capital - Smart Lighting, Account 373			\$	991,150		\$	991,150	
Capital - NextGen UCS, Account 397			\$	4,422,282		\$	4,422,282	
Capital - Substation, Account 362			\$	1,386,826		\$	1,386,826	
			Total Tax Gross Up	Rate		\$	14,985,727 100.938%	
			Total Revenue	Requirement		\$	15,126,347	
Residential Base Distribution Non-Res Base Distribution	\$ \$	389,395,583 244,306,952		venue Requirement nue Requirement		\$ \$	9,294,791 5,831,556	
			Residential Cu Non-Residentia		1,276,366 187,702		7.28 31.07	
			Residential Cu Non-Residentia		Monthly Rate Monthly Rate	\$ \$	0.61 2.59	

2019

Incremental Investment	0	&M Spending	Capital (Carrying Charge		Revenue Requirement		
O&M	\$	5,609,297				\$	5,609,297	
Capital - EV Charging, Account 398			\$	710,186	}	\$	710,186	
Capital - Microgrid, Account 363			\$	3,861,040	1	\$	3,861,040	
Capital - Microgrid, Account 371			\$	2,822,156	i	\$	2,822,156	
Capital - Smart Lighting, Account 371			\$	2,072,848	1	\$	2,072,848	
Capital - Smart Lighting, Account 373			\$	2,037,548	1	\$	2,037,548	
Capital - NextGen UCS, Account 397			\$	9,366,918	1	\$	9,366,918	
Capital - Substation, Account 362			\$	3,102,366	i	\$	3,102,366	
			Total			\$	29,582,359	
			Tax Gross Up	Rate			100.938%	
			Total Revenue	e Requirement		\$	29,859,947	
Residential Base Distribution Non-Res Base Distribution	\$ \$	389,395,583 244,306,952		evenue Requirement enue Requirement		\$ \$	18,348,248 11,511,699	
			Residential Cu Non-Residenti		1,276,366 187,702		14.38 61.33	
			Residential Cu Non-Residenti		Monthly Rate Monthly Rate	\$ \$	1.20 5.11	

2020

Incremental Investment	0	&M Spending Capital Carrying Charge				Revenue Requirement		
O&M	\$	6,928,640				\$	6,928,640	
Capital - EV Charging, Account 398			\$	1,244,918	}	\$	1,244,918	
Capital - Microgrid, Account 363			\$	5,873,926	;	\$	5,873,926	
Capital - Microgrid, Account 371			\$	4,263,904		\$	4,263,904	
Capital - Smart Lighting, Account 371			\$	2,961,378	}	\$	2,961,378	
Capital - Smart Lighting, Account 373			\$	2,943,933	}	\$	2,943,933	
Capital - NextGen UCS, Account 397			\$	14,322,740)	\$	14,322,740	
Capital - Substation, Account 362			\$	4,774,947	,	\$	4,774,947	
			Total			\$	43,314,385	
			Tax Gross Up	Rate			100.938%	
			Total Revenue	e Requirement		\$	43,720,829	
Residential Base Distribution Non-Res Base Distribution	\$ \$	389,395,583 244,306,952		evenue Requirement enue Requirement		\$ \$	26,865,440 16,855,389	
			Residential Cu Non-Residenti		1,276,366 187,702		21.05 89.8	
			Residential Cu Non-Residenti		Monthly Rate Monthly Rate	\$ \$	1.75 7.48	

2021

Incremental Investment	O	&M Spending	Capital Carrying Charge			Revenue Requirement		
O&M	\$	7,239,483				\$	7,239,483	
Capital - EV Charging, Account 398			\$	1,757,818		\$	1,757,818	
Capital - Microgrid, Account 363			\$	7,689,951		\$	7,689,951	
Capital - Microgrid, Account 371			\$	5,539,508		\$	5,539,508	
Capital - Smart Lighting, Account 371			\$	3,731,976		\$	3,731,976	
Capital - Smart Lighting, Account 373			\$	3,755,289		\$	3,755,289	
Capital - NextGen UCS, Account 397			\$	15,363,478		\$	15,363,478	
Capital - Substation, Account 362			\$	6,330,949		\$	6,330,949	
				e Requirement		\$	51,408,452	
			Tax Gross Up	Rate			100.938%	
			Total Revenue	e Requirement		\$	51,890,847	
Residential Base Distribution Non-Res Base Distribution	\$ \$	389,395,583 244,306,952		evenue Requirement enue Requirement		\$ \$	31,885,728 20,005,119	
			Residential Cu Non-Residenti		1,276,366 187,702		24.98 106.58	
			Residential Cu Non-Residenti		Monthly Rate Monthly Rate	\$ \$	2.08 8.88	

Incremental Investment	O	&M Spending	Capital	Carrying Charge		Rever	nue Requirement
O&M	\$	7,475,204				\$	7,475,204
Capital - EV Charging, Account 398			\$	1,793,400		\$	1,793,400
Capital - Microgrid, Account 363			\$	7,844,493		\$	7,844,493
Capital - Microgrid, Account 371			\$	5,572,622		\$	5,572,622
Capital - Smart Lighting, Account 371			\$	3,731,505		\$	3,731,505
Capital - Smart Lighting, Account 373			\$	3,835,183		\$	3,835,183
Capital - NextGen UCS, Account 397			\$	14,973,700		\$	14,973,700
Capital - Substation, Account 362			\$	6,604,403		\$	6,604,403
			Total Revenu	e Requirement		\$	51,830,511
			Tax Gross Up	Rate			100.938%
			Total Revenu	e Requirement		\$	52,316,866
Residential Base Distribution Non-Res Base Distribution	\$ \$	389,395,583 244,306,952		evenue Requirement renue Requirement		\$ \$	32,147,507 20,169,359
			Residential C Non-Residen	ustomers tial Customers	1,276,366 187,702		25.19 107.45
			Residential C Non-Residen	ustomers tial Customers	Monthly Rate Monthly Rate	\$ \$	2.10 8.95

2023

Incremental Investment	0	&M Spending	Capital	Carrying Charge		Rever	nue Requirement
O&M	\$	7,688,495				\$	7,688,495
Capital - EV Charging, Account 398			\$	1,666,948		\$	1,666,948
Capital - Microgrid, Account 363			\$	7,430,392		\$	7,430,392
Capital - Microgrid, Account 371			\$	5,183,883		\$	5,183,883
Capital - Smart Lighting, Account 371			\$	3,469,239		\$	3,469,239
Capital - Smart Lighting, Account 373			\$	3,663,681		\$	3,663,681
Capital - NextGen UCS, Account 397			\$	14,583,922		\$	14,583,922
Capital - Substation, Account 362			\$	6,432,564		\$	6,432,564
			Total Revenue	e Requirement		\$	50,119,124
			Tax Gross Up	Rate			100.938%
			Total Revenue	e Requirement		\$	50,589,420
Residential Base Distribution	\$	389,395,583		evenue Requirement		\$	31,086,031
Non-Res Base Distribution	\$	244,306,952	Non-Res Rev	enue Requirement		\$	19,503,389
			Residential Co Non-Resident	ustomers tial Customers	1,276,366 187,702		24.36 103.91
			Residential Co Non-Resident	ustomers tial Customers	Monthly Rate Monthly Rate	\$ \$	2.03 8.66

2024

Incremental Investment	08	&M Spending	Capita	l Carrying Charge		Rever	nue Requirement
O&M	\$	7,908,184				\$	7,908,184
Capital - EV Charging, Account 398			\$	1,540,495		\$	1,540,495
Capital - Microgrid, Account 363			\$	7,016,291		\$	7,016,291
Capital - Microgrid, Account 371			\$	4,795,145		\$	4,795,145
Capital - Smart Lighting, Account 371			\$	3,206,973		\$	3,206,973
Capital - Smart Lighting, Account 373			\$	3,492,178		\$	3,492,178
Capital - NextGen UCS, Account 397			\$	14,194,144		\$	14,194,144
Capital - Substation, Account 362			\$	6,260,725		\$	6,260,725
			Total Reven	ue Requirement		\$	48,414,135
			Tax Gross U	p Rate			100.938%
			Total Reveni	ue Requirement		\$	48,868,433
Residential Base Distribution Non-Res Base Distribution	\$ \$	389,395,583 244,306,952		Revenue Requirement venue Requirement		\$	30,028,524 18,839,909
			Residential (Non-Resider	Customers ntial Customers	1,276,366 187,702		23.53 100.37
			Residential (Non-Resider	Customers ntial Customers	Monthly Rate Monthly Rate	\$ \$	1.96 8.36

Distribution Technology Investment Plan Spending

O&M - Direct	2017	2018	2019	2020	2021	2022	2023	2024	Sum
EV Charging	125,000	293,000	534,000	775,000	798,250	822,198	846,863	872,269	5,066,580
Public charging station usage	2,367	45,921	121,263	227,086	336,883	365,526	365,526	365,526	1,830,098
Microgrid	375,000	750,000	1,125,000	1,500,000	1,545,000	1,591,350	1,639,091	1,688,263	10,213,704
Smart Lighting	657,424	1,142,224	1,627,024	2,111,824	2,175,179	2,240,434	2,307,647	2,376,877	14,638,632
NextGen UCS	333,000	333,000	334,000	-	-	-	-	-	1,000,000
Substation	100,000	200,000	300,000	400,000	412,000	424,360	437,091	450,204	2,723,654
	1,592,791	2,764,145	4,041,287	5,013,910	5,267,312	5,443,868	5,596,218	5,753,139	35,472,669
O&M - Loaded	2017	2018	2019	2020	2021	2022	2023	2024	Sum
EV Charging	175,000	410,200	747,600	1,085,000	1,117,550	1,151,077	1,185,609	1,221,177	7,093,212
Public charging station usage	2,367	45,921	121,263	227,086	336,883	365,526	365,526	365,526	1,830,098
Microgrid	525,000	1,050,000	1,575,000	2,100,000	2,163,000	2,227,890	2,294,727	2,363,569	14,299,185
Smart Lighting	920,394	1,599,114	2,277,834	2,956,554	3,045,250	3,136,608	3,230,706	3,327,627	20,494,085
NextGen UCS	466,200	466,200	467,600	-	-	-	-	-	1,400,000
Substation	140,000	280,000	420,000	560,000	576,800	594,104	611,927	630,285	3,813,116
	2,228,961	3,851,434	5,609,297	6,928,640	7,239,483	7,475,204	7,688,495	7,908,184	48,929,697
Operated Direct	0017	0040	0040	0000	0004	0000	0000	0004	0
Capital - Direct	2017	2018	2019	2020	2021	2022	2023	2024	Sum
EV Charging	1,111,000	1,429,780	1,928,673	1,932,684	-	-	-	-	6,402,137
Microgrid	12,967,500	12,967,500	12,967,500	12,967,500	-	-	-	-	51,870,000
Smart Lighting NextGen UCS	8,873,490	7,257,490	6,868,495	6,868,495	-	-	-	-	29,867,970
Substation	24,150,000 7,500,000	20,700,000 7,500,000	24,150,000 7,500,000	7,500,000	-	-	-	-	69,000,000
Substation	54,601,990		, ,		<u>-</u>	-	<u> </u>	<u>-</u>	30,000,000
	54,601,990	49,854,770	53,414,668	29,268,679	-	-	-	-	187,140,107
	T						T		
<u>Capital - Loaded</u>	2017	2018	2019	2020	2021	2022	2023	2024	Sum
EV Charging	1,488,740	1,915,905	2,584,422	2,589,796	-	-	-	-	8,578,864
Microgrid	17,376,450	17,376,450	17,376,450	17,376,450	-	-	-	-	69,505,800
Smart Lighting	11,890,477	9,725,037	9,203,783	9,203,783	-	-	-	-	40,023,080
NextGen UCS	32,361,000	27,738,000	32,361,000	-	-	-	-	-	92,460,000
Substation	10,050,000	10,050,000	10,050,000	10,050,000	-	-	-	-	40,200,000
	73,166,667	66,805,392	71,575,656	39,220,029	-	-	-	-	250,767,743

	Α	В	С	D	E	F	G	Н	ı	J	К	L	М
2	Depreciati	on Tables				EV Charging							
3	Monthly Ra	ate				0.833%							
5				Conitol	Cummulativa	0.00070		Accumulated	Depresiation	Return	Depreciation	Property	Annnual
7				Capital Expenditure	Gross Plant	Net Plant	Depreciation	Accumulated Depreciation	Depreciation Expense	Carrying Charge Rate	Carrying Charge Rate	Carrying Charge	Carrying Charge
9	2017	January February			-	-	-	-		-	-	-	
10		March April					-	-		-	-		
12		May June			-	-	-	-		-	-	-	
14		July					-	-		-	-	-	
15 16		August September					-	-		-	-	-	
17		October November		124,061.67 124,061.67	124,061.67 248.123.33	123,027.82 245,021.79	(1,033.85) (2,067.69)	(1,033.85)		1,204.65 2,399.17	1,033.85 2,067.69	306.54 610.51	
19 20	2018	December January		124,061.67 124,061.67	372,185.00 496,246.67	365,981.92 485,908.19	(3,101.54) (4,135.39)	(6,203.08) (10,338.47)	(6,203.08)	3,583.57 4,757.85	3,101.54 4,135.39	911.90 1,210.72	15,219.44
21	2010	February		124,061.67	620,308.33	604,800.63	(5,169.24)	(15,507.71)		5,922.01	5,169.24	1,506.96	
22		March April		124,061.67 124,061.67	744,370.00 868,431.67	722,659.21 839,483.94	(6,203.08) (7,236.93)	(21,710.79) (28,947.72)		7,076.04 8,219.95	6,203.08 7,236.93	1,800.63 2,091.71	
24 25		May June		124,061.67 124,061.67	992,493.33 1,116,555.00	955,274.83 1,070,031.88	(8,270.78) (9,304.63)	(37,218.50) (46,523.13)		9,353.73 10,477.40	8,270.78 9,304.63	2,380.23 2,666.16	
26 27		July August		124,061.67 124,061.67	1,240,616.67 1,364,678.33	1,183,755.07 1,296,444.42	(10,338.47) (11,372.32)	(56,861.60) (68,233.92)		11,590.94 12,694.35	10,338.47 11,372.32	2,949.52 3,230.31	
28		September		124,061.67	1,488,740.00	1,408,099.92	(12,406.17)	(80,640.08)		13,787.65	12,406.17	3,508.52	
29 30		October November		159,658.77 159,658.77	1,648,398.77 1,808,057.53	1,554,022.03 1,698,613.65	(13,736.66) (15,067.15)	(94,376.74) (109,443.89)		15,216.47 16,632.26	13,736.66 15,067.15	3,872.10 4,232.38	
31 32	2019	December January	H	159,658.77 159,658.77	1,967,716.30 2,127,375.07	1,841,874.78 1,983,805.42	(16,397.64) (17,728.13)	(125,841.52) (143,569.65)	(119,638.44)	18,035.02 19,424.76	16,397.64 17,728.13	4,589.34 4,942.98	287,440.67
33		February		159,658.77 159,658.77	2,287,033.83 2,446,692.60	2,124,405.57	(19,058.62) (20,389.11)	(162,628.26)		20,801.47	19,058.62	5,293.31	
35		March April		159,658.77	2,606,351.37	2,263,675.23 2,401,614.40	(21,719.59)	(183,017.37) (204,736.96)		22,165.15 23,515.81	20,389.11 21,719.59	5,640.32 5,984.02	
36 37		May June		159,658.77 159,658.77	2,766,010.13 2,925,668.90	2,538,223.09 2,673,501.28	(23,050.08) (24,380.57)	(227,787.05) (252,167.62)		24,853.43 26,178.03	23,050.08 24,380.57	6,324.41 6,661.47	
38 39		July August		159,658.77 159,658.77	3,085,327.67 3,244,986.43	2,807,448.98 2,940,066.20	(25,711.06) (27,041.55)	(277,878.68) (304,920.24)		27,489.60 28,788.15	25,711.06 27,041.55	6,995.23 7,325.66	
40		September		159,658.77	3,404,645.20	3,071,352.92	(28,372.04)	(333,292.28)		30,073.66	28,372.04	7,652.79	
41 42		October November		215,368.53 215,368.53	3,620,013.73 3,835,382.26	3,256,554.67 3,439,961.68	(30,166.78) (31,961.52)	(363,459.06) (395,420.58)		31,887.10 33,682.96	30,166.78 31,961.52	8,114.25 8,571.24	
43 44	2020	December January		215,368.53 215,368.53	4,050,750.79 4,266,119.32	3,621,573.95 3,801,391.49	(33,756.26) (35,550.99)	(429,176.84) (464,727.83)	(303,335.32)	35,461.24 37,221.96	33,756.26 35,550.99	9,023.76 9,471.80	710,186.14
45 46		February		215,368.53 215,368.53	4,481,487.85 4,696,856.38	3,979,414.28 4,155,642.34	(37,345.73)	(502,073.56)		38,965.10 40,690.66	37,345.73	9,915.37 10,354.48	
47		March April		215,368.53	4,912,224.91	4,330,075.67	(39,140.47) (40,935.21)	(541,214.03) (582,149.24)		42,398.66	39,140.47 40,935.21	10,789.11	
48 49		May June		215,368.53 215,368.53	5,127,593.44 5,342,961.97	4,502,714.25 4,673,558.10	(42,729.95) (44,524.68)	(624,879.19) (669,403.87)		44,089.08 45,761.92	42,729.95 44,524.68	11,219.26 11,644.95	
50 51		July August		215,368.53 215,368.53	5,558,330.50 5,773,699.03	4,842,607.21 5,009,861.58	(46,319.42) (48,114.16)	(715,723.29) (763,837.45)		47,417.20 49,054.89	46,319.42 48,114.16	12,066.16 12,482.91	
52		September		215,368.53	5,989,067.56	5,175,321.21	(49,908.90)	(813,746.35)		50,675.02	49,908.90	12,895.18	
53 54		October November		215,816.34 215,816.34	6,204,883.89 6,420,700.23	5,339,430.18 5,501,740.68	(51,707.37) (53,505.84)	(865,453.71) (918,959.55)		52,281.92 53,871.21	51,707.37 53,505.84	13,304.08 13,708.50	
55 56	2021	December January		215,816.34 215,816.34	6,636,516.56 6,852,332.90	5,662,252.71 5,820,966.27	(55,304.30) (57,102.77)	(974,263.85) (1,031,366.63)	(545,087.01)	55,442.89 56,996.96	55,304.30 57,102.77	14,108.45 14,503.91	1,244,917.77
57 58		February March		215,816.34 215,816.34	7,068,149.23 7,283,965.57	5,977,881.36 6,132,997.99	(58,901.24) (60,699.71)	(1,090,267.87) (1,150,967.58)		58,533.42 60,052.27	58,901.24 60,699.71	14,894.89 15,281.39	
59		April		215,816.34	7,499,781.90	6,286,316.14	(62,498.18)	(1,213,465.77)		61,553.51	62,498.18	15,663.40	
60 61		May June		215,816.34 215,816.34	7,715,598.24 7,931,414.58	6,437,835.82 6,587,557.04	(64,296.65) (66,095.12)	(1,277,762.42) (1,343,857.54)		63,037.14 64,503.16	64,296.65 66,095.12	16,040.94 16,414.00	
62 63		July August		215,816.34 215,816.34	8,147,230.91 8,363,047.25	6,735,479.78 6,881,604.06	(67,893.59) (69,692.06)	(1,411,751.13) (1,481,443.19)		65,951.57 67,382.37	67,893.59 69,692.06	16,782.57 17,146.66	
64 65		September October		215,816.34	8,578,863.58 8,578,863.58	7,025,929.86 6,954,439.33	(71,490.53) (71,490.53)	(1,552,933.72) (1,624,424.25)		68,795.56 68,095.55	71,490.53 71,490.53	17,506.28 17,328.14	
66		November		1	8,578,863.58	6,882,948.80	(71,490.53)	(1,695,914.78)	(200 111 10)	67,395.54	71,490.53	17,150.01	
67 68	2022	December January		-	8,578,863.58 8,578,863.58	6,811,458.27 6,739,967.74	(71,490.53) (71,490.53)	(1,767,405.31) (1,838,895.84)	(793,141.46)	66,695.53 65,995.52	71,490.53 71,490.53	16,971.88 16,793.75	1,757,818.14
69 70		February March			8,578,863.58 8,578,863.58	6,668,477.21 6,596,986.68	(71,490.53) (71,490.53)	(1,910,386.37) (1,981,876.90)		65,295.51 64,595.49	71,490.53 71,490.53	16,615.62 16,437.49	
71 72		April May			8,578,863.58 8,578,863.58	6,525,496.15 6,454,005.62	(71,490.53) (71,490.53)	(2,053,367.43) (2,124,857.96)		63,895.48 63,195.47	71,490.53 71,490.53	16,259.36 16,081.23	
73		June		-	8,578,863.58	6,382,515.09	(71,490.53)	(2,196,348.49)		62,495.46	71,490.53	15,903.10	
74 75		July August		-	8,578,863.58 8,578,863.58	6,311,024.56 6,239,534.03	(71,490.53) (71,490.53)	(2,267,839.02) (2,339,329.55)		61,795.45 61,095.44	71,490.53 71,490.53	15,724.97 15,546.84	
76 77		September October	H		8,578,863.58 8,578,863.58	6,168,043.50 6,096,552.97	(71,490.53) (71,490.53)	(2,410,820.08) (2,482,310.61)		60,395.43 59,695.41	71,490.53 71,490.53	15,368.71 15,190.58	
78 79		November December		-	8,578,863.58 8,578,863.58	6,025,062.45 5,953,571.92	(71,490.53) (71,490.53)	(2,553,801.14) (2,625,291.67)	(857,886.36)	58,995.40 58,295.39	71,490.53 71,490.53	15,012.45 14,834.32	1,793,400.23
80	2023	January		-	8,578,863.58	5,882,081.39	(71,490.53)	(2,696,782.20)	(007,000.30)	57,595.38	71,490.53	14,656.19	1,730,400.23
81 82		February March		-	8,578,863.58 8,578,863.58	5,810,590.86 5,739,100.33	(71,490.53) (71,490.53)	(2,768,272.73) (2,839,763.26)		56,895.37 56,195.36	71,490.53 71,490.53	14,478.06 14,299.92	
83 84		April May		-	8,578,863.58 8,578,863.58	5,667,609.80 5,596,119.27	(71,490.53) (71,490.53)	(2,911,253.79) (2,982,744.32)		55,495.35 54,795.33	71,490.53 71,490.53	14,121.79 13,943.66	
85		June		-	8,578,863.58	5,524,628.74 5,453,138.21	(71,490.53) (71,490.53)	(3,054,234.85)		54,095.32 53,395.31	71,490.53 71,490.53	13,765.53 13,587.40	
86 87		July August		-	8,578,863.58 8,578,863.58	5,381,647.68	(71,490.53)	(3,125,725.38) (3,197,215.91)		52,695.30	71,490.53	13,409.27	
88		September October			8,578,863.58 8,578,863.58	5,310,157.15 5,238,666.62	(71,490.53) (71,490.53)	(3,268,706.44) (3,340,196.97)		51,995.29 51,295.28	71,490.53 71,490.53	13,231.14 13,053.01	
90 91		November December			8,578,863.58 8,578,863.58	5,167,176.09 5,095,685.56	(71,490.53) (71,490.53)	(3,411,687.50) (3,483,178.03)	(857,886.36)	50,595.27 49,895.25	71,490.53 71,490.53	12,874.88 12,696.75	1,666,947.78
92	2024	January		·	8,578,863.58	5,024,195.03	(71,490.53)	(3,554,668.56)	(00.,000.00)	49,195.24	71,490.53	12,518.62	1,000,047.70
93 94		February March		-	8,578,863.58 8,578,863.58	4,952,704.50 4,881,213.97	(71,490.53) (71,490.53)	(3,626,159.09) (3,697,649.62)		48,495.23 47,795.22	71,490.53 71,490.53	12,340.49 12,162.36	
95 96		April May			8,578,863.58 8,578,863.58	4,809,723.44 4,738,232.91	(71,490.53) (71,490.53)	(3,769,140.15) (3,840,630.68)		47,095.21 46,395.20	71,490.53 71,490.53	11,984.23 11,806.10	
97 98		June July		-	8,578,863.58 8,578,863.58	4,666,742.38 4,595,251.85	(71,490.53) (71,490.53)	(3,912,121.20) (3,983,611.73)		45,695.19 44,995.17	71,490.53 71,490.53	11,627.97 11,449.84	
99		August			8,578,863.58	4,523,761.32	(71,490.53)	(4,055,102.26)		44,295.16	71,490.53	11,271.71	
100		September October		-	8,578,863.58 8,578,863.58	4,452,270.79 4,380,780.26	(71,490.53) (71,490.53)	(4,126,592.79) (4,198,083.32)		43,595.15 42,895.14	71,490.53 71,490.53	11,093.57 10,915.44	
102 103		November December			8,578,863.58 8,578,863.58	4,309,289.73 4,237,799.20	(71,490.53) (71,490.53)	(4,269,573.85) (4,341,064.38)	(857,886.36)	42,195.13 41,495.12	71,490.53 71,490.53	10,737.31 10,559.18	1,540,495.33
.00		_ 500111001	1		5,575,000.00	.,20.,700.20	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(1,01,004.00)	(557,555.50)	,+00.12	,450.55	. 0,000. 10	.,0.0,700.00

	Α	В	N	0	Р	Q	R	S	Т	U	V	W	Х
1	Depreciati	on Tables				Microgrid	Account 363						
3	Depreciati	OII Tables				ŭ	Account 303						
5	Monthly Ra	ate				0.556%				Return	Depreciation	Property	Annnual
6				Capital	Cummulative			Accumulated	Depreciation	Carrying	Carrying	Carrying	Carrying
7	2017	January		Expenditure	Gross Plant	Net Book Value	Depreciation	Depreciation	Expense	Charge Rate	Charge Rate	Charge	Charge
9		February			-	-	-	-		-	-	-	
10		March April					-			-	-	-	
12		May			-	-		-		-	-	-	
13		June July			-	-	-	-		-	-	-	
15		August			-	-	-	-		-	-	-	
16 17		September October		877,489.06	877,489.06	872,611.68	(4,877.38)	(4,877.38)		8,544.32	4,877.38	2,174.26	
18		November		877,489.06	1,754,978.12	1,740,345.99	(9,754.75)	(14,632.13)		17,040.89	9,754.75	4,336.36	
19	2018	December January		877,489.06 877,489.06	2,632,467.18 3,509,956.23	2,603,202.92 3,461,182.47	(14,632.13)	(29,264.26)	(29,264.26)	25,489.70 33,890.74	14,632.13 19,509.51	6,486.31 8.624.11	93,336.10
21	-0.0	February		877,489.06	4,387,445.29	4,314,284.64	(24,386.88)	(73,160.65)		42,244.04	24,386.88	10,749.76	
22		March April		877,489.06 877,489.06	5,264,934.35 6,142,423.41	5,162,509.44 6,005,856.86	(29,264.26) (34,141.64)	(102,424.91)		50,549.57 58,807.35	29,264.26 34,141.64	12,863.25 14,964.59	
24		May		877,489.06	7,019,912.47	6,844,326.91	(39,019.01)	(175,585.56)		67,017.37	39,019.01	17,053.78	
25 26		June July		877,489.06 877,489.06	7,897,401.53 8,774,890.59	7,677,919.58 8,506,634.87	(43,896.39) (48,773.77)	(219,481.95) (268,255.72)		75,179.63 83,294.13	43,896.39 48,773.77	19,130.82 21,195.70	
27		August		877,489.06	9,652,379.64	9,330,472.78	(53,651.14)	(321,906.86)		91,360.88	53,651.14	23,248.43	
28 29		September October	\dashv	877,489.06 877,489.06	10,529,868.70 11,407,357.76	10,149,433.32 10,963,516.48	(58,528.52) (63,405.90)	(380,435.38) (443,841.28)		99,379.87 107,351.10	58,528.52 63,405.90	25,289.00 27,317.43	
30		November		877,489.06	12,284,846.82	11,772,722.27	(68,283.27)	(512,124.55)	(EEC 000 0 "	115,274.57	68,283.27	29,333.70	1 744 000 07
31	2019	December January	\dashv	877,489.06 877,489.06	13,162,335.88 14,039,824.94	12,577,050.68 13,376,501.71	(73,160.65) (78,038.03)	(585,285.20) (663,323.23)	(556,020.94)	123,150.29 130,978.25	73,160.65 78,038.03	31,337.82 33,329.78	1,744,628.87
33		February		877,489.06 877,489.06	14,917,314.00	14,171,075.36	(82,915.40)	(746,238.63)		138,758.45	82,915.40	35,309.60	
34 35		March April	\dashv	877,489.06 877,489.06	15,794,803.05 16,672,292.11	14,960,771.64 15,745,590.54	(87,792.78) (92,670.16)	(834,031.41) (926,701.57)		146,490.89 154,175.57	87,792.78 92,670.16	37,277.26 39,232.76	
36		May		877,489.06	17,549,781.17	16,525,532.07	(97,547.53)	(1,024,249.10)		161,812.50 169,401,67	97,547.53	41,176.12	
37 38		June July		877,489.06 877,489.06	18,427,270.23 19,304,759.29	17,300,596.22 18,070,782.99	(102,424.91) (107,302.29)	(1,126,674.01) (1,233,976.30)		169,401.67 176,943.08	102,424.91 107,302.29	43,107.32 45,026.37	
39 40		August		877,489.06 877,489.06	20,182,248.35 21,059,737.41	18,836,092.38 19,596,524.40	(112,179.66) (117,057.04)	(1,346,155.96) (1,463,213.01)		184,436.74 191,882.63	112,179.66 117,057.04	46,933.26 48,828.01	
41		September October		877,489.06	21,937,226.47	20,352,079.04	(121,934.42)	(1,585,147.42)		199,280.77	121,934.42	50,710.60	
42		November		877,489.06 877,489.06	22,814,715.52	21,102,756.31	(126,811.79)	(1,711,959.22)	(1.050.000.10)	206,631.16	126,811.79 131,689.17	52,581.03 54,439.32	0.001.040.10
44	2020	December January		877,489.06	23,692,204.58 24,569,693.64	21,848,556.20 22,589,478.71	(131,689.17) (136,566.55)	(1,843,648.39) (1,980,214.93)	(1,258,363.18)	213,933.78 221,188.65	136,566.55	56,285.45	3,861,040.10
45 46		February March		877,489.06 877,489.06	25,447,182.70 26,324,671.76	23,325,523.84 24,056,691.60	(141,443.92) (146,321.30)	(2,121,658.86) (2,267,980.16)		228,395.75 235,555.11	141,443.92 146,321.30	58,119.43 59,941.26	
47		April		877,489.06	27,202,160.82	24,782,981.98	(151,198.68)	(2,419,178.84)		242,666.70	151,198.68	61,750.93	
48 49		May June		877,489.06 877,489.06	28,079,649.88 28,957,138.93	25,504,394.99 26,220,930.61	(156,076.05) (160,953.43)	(2,575,254.89) (2,736,208.32)		249,730.53 256,746.61	156,076.05 160,953.43	63,548.45 65,333.82	
50		July		877,489.06	29,834,627.99	26,932,588.87	(165,830.81)	(2,902,039.13)		263,714.93	165,830.81	67,107.03	
51 52		August September		877,489.06 877,489.06	30,712,117.05 31,589,606.11	27,639,369.74 28,341,273.24	(170,708.18) (175,585.56)	(3,072,747.31) (3,248,332.87)		270,635.50 277,508.30	170,708.18 175,585.56	68,868.10 70,617.01	
53		October		877,489.06	32,467,095.17	29,038,299.36	(180,462.94)	(3,428,795.81)		284,333.35	180,462.94	72,353.76	
54 55		November December		877,489.06 877,489.06	33,344,584.23 34,222,073.29	29,730,448.10 30,417,719.47	(185,340.31) (190,217.69)	(3,614,136.12) (3,804,353.81)	(1,960,705.43)	291,110.64 297,840.17	185,340.31 190,217.69	74,078.37 75,790.82	5,873,926.08
56	2021	January		877,489.06	35,099,562.34	31,100,113.46	(195,095.07)	(3,999,448.88)	(1,500,705.40)	304,521.94	195,095.07	77,491.12	3,070,020.00
57 58		February March		877,489.06 877,489.06	35,977,051.40 36,854,540.46	31,777,630.08 32,450,269.32	(199,972.44) (204,849.82)	(4,199,421.32) (4,404,271.15)		311,155.96 317,742.22	199,972.44 204,849.82	79,179.26 80,855.25	
59		April		877,489.06	37,732,029.52	33,118,031.18	(209,727.20)	(4,613,998.34)		324,280.72	209,727.20	82,519.09	
60 61		May June		877,489.06 877,489.06	38,609,518.58 39,487,007.64	33,780,915.66 34,438,922.77	(214,604.57) (219,481.95)	(4,828,602.92) (5,048,084.87)		330,771.47 337,214.45	214,604.57 219,481.95	84,170.78 85,810.32	
62		July		877,489.06	40,364,496.70	35,092,052.50	(224,359.33)	(5,272,444.20)		343,609.68	224,359.33	87,437.70	
63 64		August September		877,489.06 877,489.06	41,241,985.75 42,119,474.81	35,740,304.85 36,383,679.83	(229,236.70) (234,114.08)	(5,501,680.90) (5,735,794.98)		349,957.15 356,256.87	229,236.70 234,114.08	89,052.93 90,656.00	
65		October		-	42,119,474.81	36,149,565.75	(234,114.08)	(5,969,909.06)		353,964.50	234,114.08	90,072.67	
66 67		November December	-	-	42,119,474.81 42,119,474.81	35,915,451.67 35,681,337.59	(234,114.08) (234,114.08)	(6,204,023.14) (6,438,137.22)	(2,633,783.41)	351,672.13 349,379.76	234,114.08 234,114.08	89,489.33 88,906.00	7,689,950.72
68	2022	January			42,119,474.81	35,447,223.51	(234,114.08)	(6,672,251.30)		347,087.40	234,114.08	88,322.67	
69 70		February March		-	42,119,474.81 42,119,474.81	35,213,109.43 34,978,995.35	(234,114.08) (234,114.08)	(6,906,365.38) (7,140,479.47)		344,795.03 342,502.66	234,114.08 234,114.08	87,739.33 87,156.00	
71		April		-	42,119,474.81	34,744,881.27	(234,114.08)	(7,374,593.55)		340,210.30	234,114.08	86,572.66	
72 73		May June		-	42,119,474.81 42,119,474.81	34,510,767.19 34,276,653.10	(234,114.08) (234,114.08)	(7,608,707.63) (7,842,821.71)		337,917.93 335,625.56	234,114.08 234,114.08	85,989.33 85,405.99	
74 75		July		-	42,119,474.81 42,119,474.81	34,042,539.02 33,808,424.94	(234,114.08) (234,114.08)	(8,076,935.79) (8,311,049.87)		333,333.19 331,040.83	234,114.08 234,114.08	84,822.66 84,239.33	
76		August September		-	42,119,474.81	33,574,310.86	(234,114.08)	(8,545,163.95)		328,748.46	234,114.08	83,655.99	
77 78		October November	_]	-	42,119,474.81 42,119,474.81	33,340,196.78 33,106,082.70	(234,114.08) (234,114.08)	(8,779,278.03) (9,013,392.11)	-	326,456.09 324,163.73	234,114.08 234,114.08	83,072.66 82,489.32	-
79		December		-	42,119,474.81	32,871,968.62	(234,114.08)	(9,247,506.19)	(2,809,368.97)	321,871.36	234,114.08	81,905.99	7,844,493.43
80 81		January February	-1		42,119,474.81 42,119,474.81	32,637,854.54 32,403,740.46	(234,114.08) (234,114.08)	(9,481,620.27) (9,715,734.35)		319,578.99 317,286.63	234,114.08 234,114.08	81,322.65 80,739.32	
82		March		-	42,119,474.81	32,169,626.38	(234,114.08)	(9,949,848.44)		314,994.26	234,114.08	80,155.99	
83 84		April May	-1	-	42,119,474.81 42,119,474.81	31,935,512.30 31,701,398.22	(234,114.08) (234,114.08)	(10,183,962.52) (10,418,076.60)		312,701.89 310,409.52	234,114.08 234,114.08	79,572.65 78,989.32	
85		June		-	42,119,474.81	31,467,284.13	(234,114.08)	(10,652,190.68)		308,117.16	234,114.08	78,405.98	
86 87		July August		-	42,119,474.81 42,119,474.81	31,233,170.05 30,999,055.97	(234,114.08) (234,114.08)	(10,886,304.76) (11,120,418.84)		305,824.79 303,532.42	234,114.08 234,114.08	77,822.65 77,239.31	
88		September		-	42,119,474.81	30,764,941.89	(234,114.08)	(11,354,532.92)		301,240.06	234,114.08	76,655.98	
89 90		October November		-	42,119,474.81 42,119,474.81	30,530,827.81 30,296,713.73	(234,114.08) (234,114.08)			298,947.69 296,655.32	234,114.08 234,114.08	76,072.65 75,489.31	
91		December		-	42,119,474.81	30,062,599.65	(234,114.08)	(12,056,875.16)	(2,809,368.97)	294,362.95	234,114.08	74,905.98	7,430,392.44
92 93	2024	January February	\dashv	-	42,119,474.81 42,119,474.81	29,828,485.57 29,594,371.49	(234,114.08) (234,114.08)	(12,290,989.24) (12,525,103.32)		292,070.59 289,778.22	234,114.08 234,114.08	74,322.64 73,739.31	
94		March		-	42,119,474.81	29,360,257.41	(234,114.08)	(12,759,217.41)		287,485.85	234,114.08	73,155.97	
95 96		April May	-	-	42,119,474.81 42,119,474.81	29,126,143.33 28,892,029.25	(234,114.08) (234,114.08)	(12,993,331.49) (13,227,445.57)		285,193.49 282,901.12	234,114.08 234,114.08	72,572.64 71,989.31	
97		June		-	42,119,474.81	28,657,915.16	(234,114.08)	(13,461,559.65)		280,608.75	234,114.08	71,405.97	
98 99		July August	\dashv	-	42,119,474.81 42,119,474.81	28,423,801.08 28,189,687.00	(234,114.08) (234,114.08)	(13,695,673.73) (13,929,787.81)		278,316.39 276,024.02	234,114.08 234,114.08	70,822.64 70,239.30	
100		September		-	42,119,474.81	27,955,572.92	(234,114.08)	(14,163,901.89)		273,731.65	234,114.08	69,655.97	
101 102		October November	-1	-	42,119,474.81 42,119,474.81	27,721,458.84 27,487,344.76	(234,114.08) (234,114.08)	(14,398,015.97) (14,632,130.05)		271,439.28 269,146.92	234,114.08 234,114.08	69,072.63 68,489.30	
103		December		-	42,119,474.81	27,253,230.68		(14,866,244.13)		266,854.55	234,114.08	67,905.97	7,016,291.46

1	Α	В	Υ	Z	AA	AB	AC	AD	AE	AF	AG	AH	Al
3	Depreciati	on Tables				Microgrid	Account 371						
4	Monthly Ra	te				0.803%							
5 6 7				Capital Expenditure	Cummulative Gross Plant	Net Book Value	Depreciation	Accumulated Depreciation	Depreciation Expense	Return Carrying Charge Rate	Depreciation Carrying Charge Rate	Property Carrying Charge	Annnual Carrying Charge
8		January February			-	-		-		-	-	-	
10		March			-	-		-		-	-	-	
11		April May			-	-	-	-		-	-	-	
13 14		June			-	-		-			-	-	
15		July August			-	-		-			-	-	
16 17		September October		570,548.44	570,548.44	565,969.79	(4,578.65)	(4,578.65)		5,541.79	4,578.65	1,410.21	
18		November		570,548.44	1,141,096.88	1,127,360.93	(9,157.30)	(13,735.95)	(07.474.04)	11,038.74	9,157.30	2,809.01	00.050.00
19 20		December January		570,548.44 570,548.44	1,711,645.32 2,282,193.77	1,684,173.42 2,236,407.25	(13,735.95) (18,314.60)	(27,471.91) (45,786.51)	(27,471.91)	16,490.86 21,898.15	13,735.95 18,314.60	4,196.40 5,572.38	68,958.92
21		February March		570,548.44 570,548.44	2,852,742.21 3,423,290.65	2,784,062.44 3,327,138.97	(22,893.26) (27,471.91)	(68,679.77) (96,151.68)		27,260.61 32,578.24	22,893.26 27,471.91	6,936.96 8,290.12	
23		April		570,548.44	3,993,839.09	3,865,636.85	(32,050.56)	(128,202.23)		37,851.03	32,050.56	9,631.88	
24 25		May June		570,548.44 570,548.44	4,564,387.53 5,134,935.97	4,399,556.09 4,928,896.67	(36,629.21) (41,207.86)	(164,831.44) (206,039.31)		43,078.99 48,262.11	36,629.21 41,207.86	10,962.23 12,281.17	
26 27		July August		570,548.44 570,548.44	5,705,484.41 6,276,032.86	5,453,658.60 5,973,841.87	(45,786.51) (50,365.16)	(251,825.82) (302,190.98)		53,400.41 58,493.87	45,786.51 50,365.16	13,588.70 14,884.82	
28		September		570,548.44	6,846,581.30	6,489,446.50	(54,943.81)	(357,134.80)		63,542.50	54,943.81	16,169.54	
29 30		October November		570,548.44 570,548.44	7,417,129.74 7,987,678.18	7,000,472.48 7,506,919.80	(59,522.47) (64,101.12)	(416,657.26) (480,758.38)		68,546.29 73,505.26	59,522.47 64,101.12	17,442.84 18,704.74	
31		December		570,548.44	8,558,226.62	8,008,788.47	(68,679.77) (73,258.42)	(549,438.15)	(521,966.24)	78,419.39 83,288.69	68,679.77	19,955.23	1,283,223.69
33		January February		570,548.44 570,548.44	9,128,775.06 9,699,323.50	8,506,078.49 8,998,789.86	(77,837.07)	(622,696.57) (700,533.64)		88,113.15	73,258.42 77,837.07	22,421.98	
34 35		March April		570,548.44 570,548.44	10,269,871.95 10,840,420.39	9,486,922.58 9,970,476.65	(82,415.72) (86,994.37)	(782,949.36) (869,943.74)		92,892.78 97,627.58	82,415.72 86,994.37	23,638.25 24,843.10	
36		May		570,548.44	11,410,968.83	10,449,452.07	(91,573.02)	(961,516.76)		102,317.55	91,573.02	26,036.55	
37 38		June July		570,548.44 570,548.44	11,981,517.27 12,552,065.71	10,923,848.83 11,393,666.95	(96,151.68) (100,730.33)	(1,057,668.44) (1,158,398.76)		106,962.69 111,562.99	96,151.68 100,730.33		
39 40		August September	$\vdash \exists$	570,548.44 570,548.44	13,122,614.15 13,693,162.59	11,858,906.41 12,319,567.22	(105,308.98) (109,887.63)	(1,263,707.74) (1,373,595.37)		116,118.46 120,629.10	105,308.98 109,887.63		
41		October		570,548.44 570,548.44	14,263,711.03	12,775,649.38	(114,466.28)	(1,488,061.65) (1,607,106.59)		125,094.90	114,466.28 119,044.93	31,832.66	
42		November December		570,548.44	14,834,259.48 15,404,807.92	13,227,152.89 13,674,077.75	(119,044.93) (123,623.58)	(1,607,106.59)	(1,181,292.02)	129,515.87 133,892.01	119,044.93		2,822,156.06
44		January February		570,548.44 570,548.44	15,975,356.36 16,545,904.80	14,116,423.95 14,554,191.51	(128,202.23)	(1,858,932.40) (1,991,713.29)		138,223.32 142,509.79	128,202.23 132,780.89		
46		March		570,548.44	17,116,453.24	14,987,380.41	(137,359.54)	(2,129,072.83)		146,751.43	137,359.54	37,343.56	
47 48		April May		570,548.44 570,548.44	17,687,001.68 18,257,550.12	15,415,990.67 15,840,022.27	(141,938.19) (146,516.84)	(2,271,011.02) (2,417,527.86)		150,948.24 155,100.22	141,938.19 146,516.84		
49 50		June July		570,548.44 570,548.44	18,828,098.57 19,398,647.01	16,259,475.22 16,674,349.52	(151,095.49) (155,674.14)	(2,568,623.35) (2,724,297.49)		159,207.36 163,269.67	151,095.49 155,674.14	40,513.19 41,546.92	
51		August		570,548.44	19,969,195.45	17,084,645.17	(160,252.79)	(2,884,550.28)		167,287.15	160,252.79	42,569.24	
52 53		September October		570,548.44 570,548.44	20,539,743.89 21,110,292.33	17,490,362.16 17,891,500.51	(164,831.44)	(3,049,381.73) (3,218,791.82)		171,259.80 175,187.61	164,831.44 169,410.10	43,580.15 44,579.66	
54 55		November December		570,548.44 570,548.44	21,680,840.77 22,251,389.21	18,288,060.20 18,680,041.25	(173,988.75) (178,567.40)	(3,392,780.57) (3,571,347.97)	(1,840,617.80)	179,070.59 182,908.74	173,988.75 178,567.40	45,567.75 46,544.44	4,263,903.81
56	2021	January		570,548.44	22,821,937.66	19,067,443.64	(183,146.05)	(3,754,494.02)	(1,040,017.00)	186,702.05	183,146.05	47,509.71	4,200,000.01
57 58		February March		570,548.44 570,548.44	23,392,486.10 23,963,034.54	19,450,267.38 19,828,512.47	(187,724.70) (192,303.35)	(3,942,218.72) (4,134,522.07)		190,450.53 194,154.18	187,724.70 192,303.35	48,463.58 49,406.04	
59 60		April May		570,548.44 570,548.44	24,533,582.98 25,104,131.42	20,202,178.90 20,571,266.69	(196,882.00) (201,460.65)	(4,331,404.08) (4,532,864.73)		197,813.00 201,426.99	196,882.00 201,460.65	50,337.10 51,256.74	
61		June		570,548.44	25,674,679.86	20,935,775.83	(206,039.31)	(4,738,904.04)		204,996.14	206,039.31	52,164.97	
62 63		July August		570,548.44 570,548.44	26,245,228.30 26,815,776.75	21,295,706.31 21,651,058.14	(210,617.96) (215,196.61)	(4,949,521.99) (5,164,718.60)		208,520.46 211,999.94	210,617.96 215,196.61	53,061.80 53,947.22	
64 65		September October		570,548.44	27,386,325.19 27,386,325.19	22,001,831.33 21,782,056.07	(219,775.26) (219,775.26)	(5,384,493.86) (5,604,269.12)		215,434.60 213,282.63	219,775.26 219,775.26	54,821.23 54,273.62	
66		November		-	27,386,325.19	21,562,280.81	(219,775.26)	(5,824,044.38)		211,130.67	219,775.26	53,726.02	
67 68	2022	December January		-	27,386,325.19 27,386,325.19	21,342,505.55 21,122,730.29	(219,775.26) (219,775.26)	(6,043,819.64) (6,263,594.90)	(2,472,471.67)	208,978.70 206,826.73	219,775.26 219,775.26		5,539,508.02
69 70		February March		-	27,386,325.19 27,386,325.19	20,902,955.03 20,683,179.77	(219,775.26) (219,775.26)	(6,483,370.16) (6,703,145.42)		204,674.77 202,522.80	219,775.26 219,775.26	52,083.20	
71		April		-	27,386,325.19	20,463,404.51	(219,775.26)	(6,922,920.68)		200,370.84	219,775.26	50,987.98	
72 73		May June		-	27,386,325.19 27,386,325.19	20,243,629.25 20,023,853.99	(219,775.26) (219,775.26)	(7,142,695.94) (7,362,471.20)		198,218.87 196,066.90	219,775.26 219,775.26	49,892.77	
74 75		July August		-	27,386,325.19 27,386,325.19	19,804,078.73 19,584,303.47	(219,775.26) (219,775.26)	(7,582,246.46) (7,802,021.72)		193,914.94 191,762.97	219,775.26 219,775.26	49,345.16	
76		September		-	27,386,325.19	19,364,528.21	(219,775.26)	(8,021,796.98)		189,611.01	219,775.26	48,249.95	
77 78		October November		-	27,386,325.19 27,386,325.19	19,144,752.95 18,924,977.69	(219,775.26) (219,775.26)	(8,241,572.24) (8,461,347.50)		187,459.04 185,307.07	219,775.26 219,775.26		
79 80		December		-	27,386,325.19 27,386,325.19	18,705,202.43 18,485,427.17	(219,775.26) (219,775.26)	(8,681,122.76)	(2,637,303.12)	183,155.11 181,003.14	219,775.26 219,775.26	46,607.13	5,572,621.76
81		January February		-	27,386,325.19	18,265,651.91	(219,775.26)	(8,900,898.01) (9,120,673.27)		178,851.17	219,775.26	45,511.92	
82 83		March April		-	27,386,325.19 27,386,325.19	18,045,876.65 17,826,101.39	(219,775.26) (219,775.26)	(9,340,448.53) (9,560,223.79)		176,699.21 174,547.24	219,775.26 219,775.26		
84		May		-	27,386,325.19	17,606,326.13 17,386,550.87	(219,775.26)	(9,779,999.05) (9,999,774.31)		172,395.28	219,775.26	43,869.10	
85 86		June July		-	27,386,325.19 27,386,325.19	17,166,775.61	(219,775.26) (219,775.26)	(10,219,549.57)		170,243.31 168,091.34	219,775.26 219,775.26	42,773.88	
87 88		August September	$\vdash \exists$	-	27,386,325.19 27,386,325.19	16,947,000.35 16,727,225.10	(219,775.26) (219,775.26)	(10,439,324.83) (10,659,100.09)		165,939.38 163,787.41	219,775.26 219,775.26		
89		October		-	27,386,325.19	16,507,449.84	(219,775.26)	(10,878,875.35)		161,635.45	219,775.26	41,131.06	
90 91		November December		-	27,386,325.19 27,386,325.19	16,287,674.58 16,067,899.32	(219,775.26) (219,775.26)	(11,098,650.61) (11,318,425.87)	(2,637,303.12)	159,483.48 157,331.51	219,775.26 219,775.26	40,035.85	5,183,883.28
92 93	2024	January February		-	27,386,325.19 27,386,325.19	15,848,124.06 15,628,348.80	(219,775.26) (219,775.26)	(11,538,201.13) (11,757,976.39)		155,179.55 153,027.58	219,775.26 219,775.26	39,488.24	
94		March		-	27,386,325.19	15,408,573.54	(219,775.26)	(11,977,751.65)		150,875.62	219,775.26	38,393.03	
95 96		April May		-	27,386,325.19 27,386,325.19	15,188,798.28 14,969,023.02	(219,775.26) (219,775.26)	(12,197,526.91) (12,417,302.17)		148,723.65 146,571.68	219,775.26 219,775.26	37,297.82	
97 98		June July		-	27,386,325.19 27,386,325.19	14,749,247.76 14,529,472.50	(219,775.26) (219,775.26)	(12,637,077.43) (12,856,852.69)	-	144,419.72 142,267.75	219,775.26 219,775.26	36,750.21	-
99		August		-	27,386,325.19	14,309,697.24	(219,775.26)	(13,076,627.95)		140,115.79	219,775.26	35,655.00	
100		September October	\vdash	-	27,386,325.19 27,386,325.19	14,089,921.98 13,870,146.72	(219,775.26) (219,775.26)	(13,296,403.21) (13,516,178.47)		137,963.82 135,811.85	219,775.26 219,775.26		
102		November		-	27,386,325.19	13,650,371.46 13,430,596.20	(219,775.26)	(13,735,953.73) (13,955,728.99)	(2 627 202 10)	133,659.89 131,507.92	219,775.26	34,012.18	4 705 144 00
103		December		-	27,386,325.19	13,430,596.20	(219,775.26)	(13,900,728.99)	(2,637,303.12)	131,507.92	219,775.26	33,464.57	4,795,144.80

1	A	В	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT
2	Depreciati	on Tables				Smart Lighting	Account 371						
3	Monthly Ra	ite				0.803%							
5 6 7				Capital Expenditure	Cummulative Gross Plant	Net Book Value	Depreciation	Accumulated Depreciation	Depreciation Expense	Return Carrying Charge Rate	Depreciation Carrying Charge Rate	Property Carrying Charge	Annnual Carrying Charge
8	2017	January		Experientare		TVCL BOOK Value	Deprediation		Expense				Onarge
10		February March			-	-	-	-		-	-	-	
11		April May				-					-	-	
13		June				-	ı			-	-	-	
14 15		July August			-	-		-		-	-	-	
16		September		157 101 10	-	-				-	-	-	
17 18		October November		457,431.19 457,431.19	457,431.19 914,862.38	453,760.31 903,849.73	(3,670.89) (7,341.77)	(3,670.89) (11,012.66)		4,443.07 8,850.20	3,670.89 7,341.77	1,130.62 2,252.09	
19 20	2018	December January		457,431.19 457,431.19	1,372,293.57 1,829,724.76	1,350,268.26 1,793.015.91	(11,012.66) (14,683.54)	(22,025.31)		13,221.38 17,556.61	11,012.66 14,683.54	3,364.42 4,467.60	55,287.08
21	2010	February		457,431.19	2,287,155.95	2,232,092.67	(18,354.43)	(55,063.28)		21,855.91	18,354.43	5,561.63	
22		March April		457,431.19 457,431.19	2,744,587.14 3,202,018.34	2,667,498.55 3,099,233.55	(22,025.31) (25,696.20)	(77,088.59) (102,784.79)		26,119.26 30,346.66	22,025.31 25,696.20	6,646.52 7,722.26	
24		May		457,431.19	3,659,449.53	3,527,297.66	(29,367.08)	(132,151.87)		34,538.12	29,367.08	8,788.85	
25 26		June July		457,431.19 457,431.19	4,116,880.72 4,574,311.91	3,951,690.88 4,372,413.22	(33,037.97) (36,708.85)	(165,189.84) (201,898.69)		38,693.64 42,813.21	33,037.97 36,708.85	9,846.30 10,894.60	
27 28		August September		457,431.19 457,431.19	5,031,743.10 5,489,174.29	4,789,464.67 5,202,845.24	(40,379.74) (44,050.62)	(242,278.43) (286,329.05)		46,896.84 50,944.53	40,379.74 44,050.62	11,933.75 12,963.76	
29		October		374,125.88	5,863,300.17	5,529,918.14	(47,052.98)	(333,382.04)		54,147.12	47,052.98	13,778.71	
30		November December	\vdash	374,125.88 374,125.88	6,237,426.06 6,611,551.94	5,853,988.68 6,175,056.86	(50,055.34) (53,057.70)	(383,437.38) (436,495.09)	(414,469.77)	57,320.31 60,464.10	50,055.34 53,057.70	14,586.19 15,386.18	1,018,742.41
32	2019	January		374,125.88	6,985,677.83	6,493,122.68	(56,060.06)	(492,555.15)	,,	63,578.49	56,060.06	16,178.70	,,
33 34		February March		374,125.88 374,125.88	7,359,803.71 7,733,929.59	6,808,186.13 7,120,247.23	(59,062.42) (62,064.78)	(551,617.58) (613,682.36)		66,663.49 69,719.09	59,062.42 62,064.78	16,963.73 17,741.28	
35 36		April May		374,125.88 374,125.88	8,108,055.48 8,482,181.36	7,429,305.97 7,735,362.35	(65,067.15) (68,069.51)	(678,749.51) (746,819.01)		72,745.29 75,742.09	65,067.15 68,069.51	18,511.35 19,273.94	
37		June		374,125.88	8,856,307.25	8,038,416.37	(71,071.87)	(817,890.88)		78,709.49	71,071.87	20,029.05	
38		July August		374,125.88 374,125.88	9,230,433.13 9,604,559.02	8,338,468.03 8,635,517.33	(74,074.23) (77,076.59)	(891,965.10) (969,041.69)		81,647.50 84,556.11	74,074.23 77,076.59	20,776.68 21,516.83	
40 41		September October		374,125.88 354,073.07	9,978,684.90	8,929,564.26	(80,078.95)	(1,049,120.64) (1,132,041.02)		87,435.32 90,090.35	80,078.95	22,249.50	
42		November		354,073.07	10,332,757.97 10,686,831.04	9,200,716.95 9,469,028.20	(82,920.38) (85,761.82)	(1,132,041.02)		92,717.57	82,920.38 85,761.82		
43 44	2020	December January		354,073.07 354,073.07	11,040,904.11 11,394,977.18	9,734,498.02 9,997,126.40	(88,603.26) (91,444.69)	(1,306,406.09) (1,397,850.78)	(869,911.01)	95,316.96 97,888.53	88,603.26 91,444.69		2,072,847.73
45	2020	February		354,073.07	11,749,050.25	10,256,913.34	(94,286.13)	(1,492,136.91)		100,432.28	94,286.13	25,556.81	
46 47		March April		354,073.07 354,073.07	12,103,123.32 12,457,196.39	10,513,858.84 10,767,962.91	(97,127.56) (99,969.00)	(1,589,264.48) (1,689,233.48)		102,948.20 105,436.30	97,127.56 99,969.00	26,197.03 26,830.17	
48 49		May June		354,073.07 354,073.07	12,811,269.46 13,165,342.53	11,019,225.55 11,267,646.74	(102,810.44) (105,651.87)	(1,792,043.92)		107,896.58 110,329.04	102,810.44 105,651.87	27,456.24 28,075.22	
50		July		354,073.07	13,519,415.60	11,513,226.50	(108,493.31)	(1,897,695.79) (2,006,189.10)		112,733.68	108,493.31	28,687.12	
51 52		August September		354,073.07 354,073.07	13,873,488.67 14,227,561.74	11,755,964.82 11,995,861.71	(111,334.75) (114,176.18)	(2,117,523.85) (2,231,700.03)		115,110.49 117,459.48	111,334.75 114,176.18	29,291.95 29,889.69	
53		October		354,073.07	14,581,634.81	12,232,917.16	(117,017.62)	(2,348,717.65)		119,780.65	117,017.62	30,480.35	
54 55		November December		354,073.07 354,073.07	14,935,707.88 15,289,780.95	12,467,131.18 12,698,503.75	(119,859.06) (122,700.49)	(2,468,576.70) (2,591,277.20)	(1,284,871.10)	122,073.99 124,339.52	119,859.06 122,700.49	31,063.94 31,640.44	2,961,378.30
56 57	2021	January February		354,073.07 354,073.07	15,643,854.02 15,997,927.09	12,927,034.90 13,152,724.60	(125,541.93) (128,383.36)	(2,716,819.12) (2,845,202.49)		126,577.22 128,787.10	125,541.93 128,383.36	32,209.86 32,772.21	
58		March		354,073.07	16,352,000.16	13,375,572.87	(131,224.80)	(2,976,427.29)		130,969.15	131,224.80	33,327.47	
59 60		April May		354,073.07 354,073.07	16,706,073.23 17,060,146.30	13,595,579.70 13,812,745.10	(134,066.24) (136,907.67)	(3,110,493.53) (3,247,401.20)		133,123.38 135,249.80	134,066.24 136,907.67	33,875.65 34,416.76	
61 62		June July		354,073.07 354,073.07	17,414,219.37 17,768,292.44	14,027,069.06 14,238,551.58	(139,749.11) (142,590.55)	(3,387,150.31) (3,529,740.86)		137,348.38 139,419.15	139,749.11 142,590.55	34,950.78 35,477.72	
63		August		354,073.07	18,122,365.51	14,447,192.67	(145,431.98)	(3,675,172.84)		141,462.09	145,431.98	35,997.59	
64 65		September October		354,073.07	18,476,438.58 18,476,438.58	14,652,992.32 14,504,718.90	(148,273.42)	(3,823,446.26) (3,971,719.68)		143,477.22 142,025.37	148,273.42 148,273.42	36,510.37 36,140.92	
66		November		-	18,476,438.58	14,356,445.48	(148,273.42) (148,273.42)	(4,119,993.10)	(4.070.000.00)	140,573.53	148,273.42	35,771.48	0.704.070.04
67 68	2022	December January		-	18,476,438.58 18,476,438.58	14,208,172.06 14,059,898.64	(148,273.42)	(4,268,266.52) (4,416,539.94)	(1,676,989.33)	139,121.68 137,669.84	148,273.42 148,273.42	35,402.03 35,032.58	3,731,976.24
69 70		February March		-	18,476,438.58 18,476,438.58	13,911,625.22 13,763,351.80	(148,273.42) (148,273.42)	(4,564,813.36) (4,713,086.78)		136,218.00 134,766.15	148,273.42 148,273.42		
71		April		-	18,476,438.58	13,615,078.38	(148,273.42)	(4,861,360.20)		133,314.31	148,273.42	33,924.24	
72 73		May June		-	18,476,438.58 18,476,438.58	13,466,804.96 13,318,531.54	(148,273.42) (148,273.42)	(5,009,633.62) (5,157,907.04)		131,862.47 130,410.62	148,273.42 148,273.42		
74 75		July August	\Box	-	18,476,438.58 18,476,438.58	13,170,258.12 13,021,984.70	(148,273.42) (148,273.42)	(5,306,180.46) (5,454,453.88)		128,958.78 127,506.93	148,273.42 148,273.42		
76		September			18,476,438.58	12,873,711.28	(148,273.42)	(5,602,727.30)		126,055.09	148,273.42	32,077.00	
77 78		October November		-	18,476,438.58 18,476,438.58	12,725,437.86 12,577,164.44	(148,273.42) (148,273.42)	(5,751,000.72) (5,899,274.14)		124,603.25 123,151.40	148,273.42 148,273.42	31,338.10	
79 80	2023	December January	Н	-	18,476,438.58 18,476,438.58	12,428,891.02 12,280,617.60	(148,273.42) (148,273.42)	(6,047,547.56) (6,195,820.98)	(1,779,281.04)	121,699.56 120,247.71	148,273.42 148,273.42	30,968.65 30,599.21	3,731,504.83
81		February		-	18,476,438.58	12,132,344.19	(148,273.42)	(6,344,094.40)		118,795.87	148,273.42	30,229.76	
82 83		March April	\vdash	-	18,476,438.58 18,476,438.58	11,984,070.77 11,835,797.35	(148,273.42) (148,273.42)	(6,492,367.82) (6,640,641.24)		117,344.03 115,892.18	148,273.42 148,273.42		
84 85		May June		-	18,476,438.58 18,476,438.58	11,687,523.93 11,539,250.51	(148,273.42) (148,273.42)	(6,788,914.66) (6,937,188.08)		114,440.34 112,988.49	148,273.42 148,273.42	29,121.41 28,751.97	-
86		July		-	18,476,438.58	11,390,977.09	(148,273.42)	(7,085,461.49)		111,536.65	148,273.42	28,382.52	
87 88		August September		-	18,476,438.58 18,476,438.58	11,242,703.67 11,094,430.25	(148,273.42) (148,273.42)	(7,233,734.91) (7,382,008.33)		110,084.81 108,632.96	148,273.42 148,273.42	28,013.07 27,643.62	
89 90		October		-	18,476,438.58 18,476,438.58	10,946,156.83 10,797,883.41	(148,273.42) (148,273.42)	(7,530,281.75) (7,678,555.17)		107,181.12 105,729.28	148,273.42 148,273.42	27,274.17	
91		November December		-	18,476,438.58	10,649,609.99	(148,273.42)	(7,826,828.59)	(1,779,281.04)	104,277.43	148,273.42	26,535.28	3,469,238.81
92 93	2024	January February	\vdash	-	18,476,438.58 18,476,438.58	10,501,336.57 10,353,063.15	(148,273.42) (148,273.42)	(7,975,102.01) (8,123,375.43)		102,825.59 101,373.74	148,273.42 148,273.42		
94		March		-	18,476,438.58	10,204,789.73	(148,273.42)	(8,271,648.85)		99,921.90	148,273.42	25,426.93	
95 96		April May		-	18,476,438.58 18,476,438.58	10,056,516.31 9,908,242.89	(148,273.42) (148,273.42)	(8,419,922.27) (8,568,195.69)		98,470.06 97,018.21	148,273.42 148,273.42	24,688.04	
97 98		June July		-	18,476,438.58 18,476,438.58	9,759,969.47 9,611,696.05	(148,273.42) (148,273.42)	(8,716,469.11) (8,864,742.53)		95,566.37 94,114.52	148,273.42 148,273.42		
99		August		-	18,476,438.58	9,463,422.63	(148,273.42)	(9,013,015.95)		92,662.68	148,273.42	23,579.69	
100		September October		-	18,476,438.58 18,476,438.58	9,315,149.21 9,166,875.79	(148,273.42) (148,273.42)	(9,161,289.37) (9,309,562.79)		91,210.84 89,758.99	148,273.42 148,273.42		
102		November		-	18,476,438.58	9,018,602.37	(148,273.42)	(9,457,836.21)	(1 770 001 0 "	88,307.15	148,273.42	22,471.35	2 200 070 70
103		December		-	18,476,438.58	8,870,328.95	(148,273.42)	(9,606,109.63)	(1,779,281.04)	86,855.30	148,273.42	22,101.90	3,206,972.78

1	Α	В	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE
	Depreciati	on Tables				Smart Lighting	Account 373						
3	Monthly Ra	ite				0.450%							
5	,					3.13373				Return	Depreciation	Property	Annnual
7				Capital Expenditure	Gross Plant	Net Book Value	Depreciation	Accumulated Depreciation	Depreciation Expense	Carrying Charge Rate	Carrying Charge Rate	Carrying Charge	Carrying Charge
8		January					-		•				
10		February March						-		-	-	-	
11		April May				-	-	-		-	-	-	
13		June			-	-	-	-			-	-	
14 15		July August				-	-	-		-	-	-	
16		September			-	-	-	-		-	-	-	
17 18		October November		533,441.86 533,441.86	533,441.86 1,066,883.72	531,041.37 1,059,682.25	(2,400.49) (4,800.98)	(2,400.49) (7,201.47)		5,199.78 10,376.06	2,400.49 4,800.98	1,323.18 2,640.37	
19		December		533,441.86	1,600,325.58	1,585,922.65	(7,201.47)	(14,402.93)		15,528.83	7,201.47	3,951.59	53,422.74
20		January February		533,441.86 533,441.86	2,133,767.44 2.667,209.30	2,109,762.55 2,631,201.97	(9,601.95) (12,002.44)	(24,004.88)		20,658.09 25,763.85	9,601.95 12,002.44	5,256.83 6,556.08	
22		March		533,441.86	3,200,651.16	3,150,240.90	(14,402.93)	(50,410.26)		30,846.11	14,402.93	7,849.35	
23 24		April May		533,441.86 533,441.86	3,734,093.01 4,267,534.87	3,666,879.34 4,181,117.29	(16,803.42) (19,203.91)	(67,213.67) (86,417.58)		35,904.86 40,940.11	16,803.42 19,203.91	9,136.64 10,417.95	
25		June		533,441.86	4,800,976.73	4,692,954.76	(21,604.40)	(108,021.98)		45,951.85	21,604.40	11,693.28	
26 27		July August		533,441.86 533,441.86	5,334,418.59 5,867,860.45	5,202,391.73 5,709,428.22	(24,004.88) (26,405.37)	(132,026.86) (158,432.23)		50,940.09 55,904.82	24,004.88 26,405.37	12,962.63 14,225.99	
28		September		533,441.86 436,293.83	6,401,302.31 6,837,596.14	6,214,064.22 6,619,588.87	(28,805.86)	(187,238.09)		60,846.05	28,805.86	15,483.38 16,493.81	
29 30		October November		436,293.83	7,273,889.98	7,023,150.20	(32,732.50)	(218,007.28) (250,739.78)		64,816.81 68,768.35	30,769.18 32,732.50	17,499.35	
31		December January		436,293.83 436,293.83	7,710,183.81 8.146.477.64	7,424,748.20 7,824,382.88	(34,695.83) (36,659.15)	(285,435.61) (322,094.76)	(271,032.68)	72,700.66 76,613.75	34,695.83 36,659.15	18,500.00 19,495.75	991,149.58
33		February		436,293.83	8,582,771.47	8,222,054.24	(38,622.47)	(360,717.23)		80,507.61	38,622.47	20,486.62	
34 35		March April	+	436,293.83 436,293.83	9,019,065.31 9,455,359.14	8,617,762.28 9,011,507.00	(40,585.79) (42,549.12)	(401,303.02) (443,852.14)		84,382.26 88,237.67	40,585.79 42,549.12	21,472.59 22,453.67	
36		Мау		436,293.83	9,891,652.97	9,403,288.39	(44,512.44)	(488,364.58)		92,073.87	44,512.44	23,429.86	
37 38		June July		436,293.83 436,293.83	10,327,946.80 10,764,240.64	9,793,106.47 10,180,961.21	(46,475.76) (48,439.08)	(534,840.34) (583,279.42)		95,890.83 99,688.58	46,475.76 48,439.08	24,401.16 25,367.56	
39		August		436,293.83	11,200,534.47	10,566,852.64	(50,402.41)	(633,681.83)		103,467.10	50,402.41	26,329.07	
40		September October		436,293.83 412,908.87	11,636,828.30 12,049,737.17	10,950,780.75 11,309,465.80	(52,365.73) (54,223.82)	(686,047.55) (740,271.37)		107,226.39 110,738.52	52,365.73 54,223.82	27,285.70 28,179.42	
42 43		November December		412,908.87 412,908.87	12,462,646.04 12,875,554.91	11,666,292.77 12,021,261.64	(56,081.91) (57,940.00)	(796,353.28) (854,293.27)	(568,857.67)	114,232.45 117,708.19	56,081.91 57,940.00	29,068.51 29,952.98	2,037,547.78
		January		412,908.87	13,288,463.79	12,374,372.43	(57,940.00)	(914,091.36)	(568,857.67)	121,165.73	57,940.00	30,832.81	2,037,547.78
45 46		February March		412,908.87 412,908.87	13,701,372.66 14,114,281.53	12,725,625.12 13,075,019.72	(61,656.18) (63,514.27)	(975,747.54) (1,039,261.81)		124,605.08 128,026.23	61,656.18 63,514.27	31,708.02 32,578.59	
47		April		412,908.87	14,527,190.40	13,422,556.24	(65,372.36)	(1,104,634.16)		131,429.20	65,372.36	33,444.54	
48 49		May June		412,908.87 412,908.87	14,940,099.27 15,353,008.14	13,768,234.66 14,112,055.00	(67,230.45) (69,088.54)	(1,171,864.61) (1,240,953.15)		134,813.96 138,180.54	67,230.45 69,088.54	34,305.85 35,162.54	
50		July		412,908.87	15,765,917.02	14,454,017.24	(70,946.63)	(1,311,899.77)		141,528.92	70,946.63	36,014.59	
51 52		August September		412,908.87 412,908.87	16,178,825.89 16,591,734.76	14,794,121.40 15,132,367.46	(72,804.72) (74,662.81)	(1,384,704.49) (1,459,367.29)		144,859.11 148,171.10	72,804.72 74,662.81	36,862.02 37,704.82	
53		October		412,908.87	17,004,643.63	15,468,755.44	(76,520.90)	(1,535,888.19)		151,464.90	76,520.90	38,542.98	
54 55		November December		412,908.87 412,908.87	17,417,552.50 17,830,461.37	15,803,285.32 16,135,957.12	(78,378.99) (80,237.08)	(1,614,267.18) (1,694,504.25)	(840,210.98)	154,740.50 157,997.91	78,378.99 80,237.08	39,376.52 40,205.43	2,943,932.86
56		January		412,908.87	18,243,370.25	16,466,770.83	(82,095.17)	(1,776,599.42)	, ,	161,237.13	82,095.17	41,029.70	
57 58		February March		412,908.87 412,908.87	18,656,279.12 19,069,187.99	16,795,726.44 17,122,823.97	(83,953.26) (85,811.35)	(1,860,552.68) (1,946,364.02)		164,458.15 167,660.98	83,953.26 85,811.35	41,849.35 42,664.37	
59 60		April May		412,908.87 412,908.87	19,482,096.86 19,895,005.73	17,448,063.40 17,771,444.75	(87,669.44) (89,527.53)	(2,034,033.46) (2,123,560.98)		170,845.62 174,012.06	87,669.44 89,527.53	43,474.76 44,280.52	
61		June		412,908.87	20,307,914.60	18,092,968.00	(91,385.62)	(2,214,946.60)		177,160.31	91,385.62	45,081.65	
62 63		July August		412,908.87 412,908.87	20,720,823.47 21,133,732.35	18,412,633.17 18,730,440.25	(93,243.71) (95,101.80)	(2,308,190.30) (2,403,292.10)		180,290.37 183,402.23	93,243.71 95,101.80	45,878.14 46,670.01	
64		September		412,908.87	21,546,641.22	19,046,389.23	(96,959.89)	(2,500,251.99)		186,495.89	96,959.89	47,457.25	
65 66		October November		-	21,546,641.22 21,546,641.22	18,949,429.35 18,852,469.46	(96,959.89) (96,959.89)	(2,597,211.87) (2,694,171.76)		185,546.50 184,597.10	96,959.89 96,959.89	47,215.66 46,974.07	
67		December		-	21,546,641.22	18,755,509.58	(96,959.89)	(2,791,131.64)	(1,096,627.39)	183,647.70	96,959.89	46,732.48	3,755,289.40
69		January February		-	21,546,641.22 21,546,641.22	18,658,549.69 18,561,589.81	(96,959.89) (96,959.89)	(2,888,091.53) (2,985,051.41)		182,698.30 181,748.90	96,959.89 96,959.89	46,490.89 46,249.29	
70 71		March April		-	21,546,641.22 21,546,641.22	18,464,629.92 18,367,670.03	(96,959.89) (96,959.89)	(3,082,011.30) (3,178,971.18)		180,799.50 179,850.10	96,959.89 96,959.89	46,007.70 45,766.11	
72		May		-	21,546,641.22	18,270,710.15	(96,959.89)	(3,275,931.07)		178,900.70	96,959.89	45,524.52	
73 74		June July		-	21,546,641.22 21,546,641.22	18,173,750.26 18,076,790.38	(96,959.89) (96,959.89)	(3,372,890.95) (3,469,850.84)		177,951.30 177,001.91	96,959.89 96,959.89	45,282.93 45,041.34	
75		August		-	21,546,641.22	17,979,830.49	(96,959.89)	(3,566,810.73)		176,052.51	96,959.89	44,799.74	
76 77		September October	\vdash	-	21,546,641.22 21,546,641.22	17,882,870.61 17,785,910.72	(96,959.89) (96,959.89)	(3,663,770.61) (3,760,730.50)		175,103.11 174,153.71	96,959.89 96,959.89	44,558.15 44,316.56	
78		November		-	21,546,641.22	17,688,950.84	(96,959.89)	(3,857,690.38)	(4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	173,204.31	96,959.89	44,074.97	0.00= 100 (=
79 80		December January	\vdash	-	21,546,641.22 21,546,641.22	17,591,990.95 17,495,031.06	(96,959.89) (96,959.89)	(3,954,650.27) (4,051,610.15)	(1,163,518.63)	172,254.91 171,305.51	96,959.89 96,959.89	43,833.38 43,591.79	3,835,183.47
81		February		-	21,546,641.22	17,398,071.18	(96,959.89) (96,959.89)	(4,148,570.04)		170,356.11 169,406.71	96,959.89	43,350.19	
82 83		March April		-	21,546,641.22 21,546,641.22	17,301,111.29 17,204,151.41	(96,959.89)	(4,245,529.92) (4,342,489.81)		168,457.32	96,959.89 96,959.89	43,108.60 42,867.01	
84 85		May June		-	21,546,641.22 21,546,641.22	17,107,191.52 17,010,231.64	(96,959.89) (96,959.89)	(4,439,449.70) (4,536,409.58)		167,507.92 166,558.52	96,959.89 96,959.89	42,625.42 42,383.83	
86		July		-	21,546,641.22	16,913,271.75	(96,959.89)	(4,633,369.47)		165,609.12	96,959.89	42,142.24	
87 88		August September		-	21,546,641.22 21,546,641.22	16,816,311.87 16,719,351.98	(96,959.89) (96,959.89)	(4,730,329.35) (4,827,289.24)		164,659.72 163,710.32	96,959.89 96,959.89	41,900.64 41,659.05	
89		October		-	21,546,641.22	16,622,392.10	(96,959.89)	(4,924,249.12)		162,760.92	96,959.89	41,417.46	
90		November December			21,546,641.22 21,546,641.22	16,525,432.21 16,428,472.32	(96,959.89) (96,959.89)	(5,021,209.01) (5,118,168.89)	(1,163,518.63)	161,811.52 160,862.12	96,959.89 96,959.89	41,175.87 40,934.28	3,663,680.83
92	2024	January		-	21,546,641.22	16,331,512.44	(96,959.89)	(5,215,128.78)	(.,,)	159,912.73	96,959.89	40,692.69	3,111,000.00
93 94		February March		-	21,546,641.22 21,546,641.22	16,234,552.55 16,137,592.67	(96,959.89) (96,959.89)	(5,312,088.66) (5,409,048.55)		158,963.33 158,013.93	96,959.89 96,959.89	40,451.09 40,209.50	
95		April		-	21,546,641.22	16,040,632.78	(96,959.89)	(5,506,008.44)		157,064.53	96,959.89	39,967.91	
96 97		May June		-	21,546,641.22 21,546,641.22	15,943,672.90 15,846,713.01	(96,959.89) (96,959.89)	(5,602,968.32) (5,699,928.21)		156,115.13 155,165.73	96,959.89 96,959.89	39,726.32 39,484.73	
98 99		July		-	21,546,641.22 21,546,641.22	15,749,753.13 15,652,793.24	(96,959.89) (96,959.89)	(5,796,888.09) (5,893,847.98)		154,216.33 153,266.93	96,959.89 96,959.89	39,243.13 39,001.54	
100		August September		-	21,546,641.22	15,555,833.36	(96,959.89)	(5,990,807.86)		152,317.53	96,959.89	38,759.95	
101 102		October November	H	-	21,546,641.22 21,546,641.22	15,458,873.47 15,361,913.58	(96,959.89) (96,959.89)	(6,087,767.75) (6,184,727.63)		151,368.14 150,418.74	96,959.89 96,959.89	38,518.36 38,276.77	
103		December		-	21,546,641.22	15,264,953.70	(96,959.89)	(6,281,687.52)	(1,163,518.63)	149,469.34	96,959.89	38,035.18	3,492,178.18

1	Α	В	BF	BG	ВН	BI	BJ	ВК	BL	ВМ	BN	ВО	BP
2	Depreciati	on Tables				NextGen UCS							
3	Monthly Ra	te				0.238%							
5 6 7				Capital Expenditure	Cummulative Gross Plant	Net Plant	Depreciation	Accumulated Depreciation	Depreciation Expense	Return Carrying Charge Rate	Depreciation Carrying Charge Rate	Property Carrying Charge	Annnual Carrying Charge
8	2017	January		,									
9 10 11		February March April					-				-		
12 13		May June			-		-	-		-		-	
14		July			-		-	-		-		-	
15 16		August September			<u> </u>	-	-	-		-	-	-	
17		October		2,696,750.00	2,696,750.00	2,690,322.75	(6,427.25)	(6,427.25)		26,342.74	6,427.25	6,703.39	
18 19		November December		2,696,750.00 2,696,750.00	5,393,500.00 8,090,250.00	5,374,218.24 8,051,686.48	(12,854.51) (19,281.76)	(19,281.76) (38,563.53)		52,622.55 78,839.43	12,854.51 19,281.76	13,390.76 20,062.12	236,524.52
20 21	2018	January February		2,696,750.00 2,696,750.00	10,787,000.00 13,483,750.00	10,722,727.46 13,387,341.19	(25,709.02) (32,136.27)	(64,272.54) (96,408.81)		104,993.37 131,084.38	25,709.02 32,136.27	26,717.46 33,356.79	
22		March		2,696,750.00	16,180,500.00	16,045,527.66	(38,563.53)	(134,972.34)		157,112.46	38,563.53	39,980.11	
23 24		April May		2,696,750.00 2,696,750.00	18,877,250.00 21,574,000.00	18,697,286.88 21,342,618.85	(44,990.78) (51,418.03)	(179,963.12) (231,381.15)		183,077.60 208,979.81	44,990.78 51,418.03	46,587.41 53,178.69	
25		June		2,696,750.00	24,270,750.00	23,981,523.56	(57,845.29)	(289,226.44)		234,819.08	57,845.29	59,753.96	
26 27		July August		2,696,750.00 2,696,750.00	26,967,500.00 29,664,250.00	26,614,001.02 29,240,051.23	(64,272.54) (70,699.80)	(353,498.98) (424,198.78)		260,595.43 286,308.83	64,272.54 70,699.80	66,313.22 72,856.46	
28		September		2,696,750.00	32,361,000.00	31,859,674.18	(77,127.05)	(501,325.83)		311,959.31	77,127.05	79,383.69	
29 30		October November		2,311,500.00 2,311,500.00	34,672,500.00 36,984,000.00	34,088,538.05 36,311,892.85	(82,636.13) (88,145.20)	(583,961.95) (672,107.15)		333,783.60 355,553.95	82,636.13 88,145.20	84,937.27 90,477.13	
31	2019	December January		2,311,500.00 2,311,500.00	39,295,500.00 41,607,000.00	38,529,738.58 40,742,075.23	(93,654.28) (99,163.35)	(765,761.43) (864,924.78)	(727,197.90)	377,270.36 398,932.82	93,654.28 99,163.35	96,003.27 101,515.67	4,422,281.55
33		February		2,311,500.00	43,918,500.00	42,948,902.80	(104,672.43)	(969,597.20)		420,541.34	104,672.43	107,014.35	
34 35		March April	\vdash	2,311,500.00 2,311,500.00	46,230,000.00 48,541,500.00	45,150,221.30 47,346,030.73	(110,181.50) (115,690.58)	(1,079,778.70) (1,195,469.28)		442,095.92 463,596.55	110,181.50 115,690.58	112,499.30 117,970.53	
36 37		May June		2,311,500.00 2,311,500.00	50,853,000.00 53,164,500.00	49,536,331.08 51,721,122.35	(121,199.65) (126,708.73)	(1,316,668.93) (1,443,377.65)		485,043.24 506,435.99	121,199.65 126,708.73	123,428.02 128,871.80	
38		July		2,311,500.00	55,476,000.00	53,900,404.55	(132,217.80)	(1,575,595.45)		527,774.79	132,217.80	134,301.84	
39 40		August September		2,311,500.00 2,311,500.00	57,787,500.00 60,099,000.00	56,074,177.68 58,242,441.73	(137,726.88) (143,235.95)	(1,713,322.33)		549,059.66 570,290.58	137,726.88 143,235.95	139,718.16 145,120.75	
41		October		2,696,750.00	62,795,750.00 65,492,500.00	60,789,528.52	(149,663.20)	(2,006,221.48)		595,230.80	149,663.20	151,467.24	
42		November December		2,696,750.00 2,696,750.00	68,189,250.00	63,330,188.06 65,864,420.35	(156,090.46) (162,517.71)	(2,162,311.94) (2,324,829.65)	(1,559,068.23)	620,108.09 644,922.45	156,090.46 162,517.71	157,797.72 164,112.18	9,366,918.01
44 45	2020	January February		2,696,750.00 2,696,750.00	70,886,000.00 73,582,750.00	68,392,225.38 70,913,603.16	(168,944.97) (175,372.22)	(2,493,774.62) (2,669,146.84)		669,673.87 694,362.36	168,944.97 175,372.22	170,410.63 176,693.06	
46		March		2,696,750.00	76,279,500.00	73,428,553.69	(181,799.48)	(2,850,946.31)		718,987.92	181,799.48	182,959.48	
47 48		April May		2,696,750.00 2,696,750.00	78,976,250.00 81,673,000.00	75,937,076.96 78,439,172.98	(188,226.73)	(3,039,173.04) (3,233,827.03)		743,550.55 768,050.24	188,226.73 194,653.98	189,209.88 195,444.27	
49		June		2,696,750.00	84,369,750.00	80,934,841.74	(201,081.24)	(3,434,908.26)		792,486.99	201,081.24	201,662.65	
50 51		July August		2,696,750.00 2,696,750.00	87,066,500.00 89,763,250.00	83,424,083.25 85,906,897.50	(207,508.49) (213,935.75)	(3,642,416.75) (3,856,352.50)		816,860.82 841,171.70	207,508.49 213,935.75	207,865.01 214,051.35	
52 53		September October		2,696,750.00	92,460,000.00 92,460,000.00	88,383,284.50 88,162,921.50	(220,363.00) (220,363.00)	(4,076,715.50) (4,297,078.50)		865,419.66 863,261.94	220,363.00 220,363.00	220,221.68 219,672.61	
54		November		-	92,460,000.00	87,942,558.50	(220,363.00)	(4,517,441.50)		861,104.22	220,363.00	219,123.54	
55 56	2021	December January		-	92,460,000.00 92,460,000.00	87,722,195.50 87,501,832.50	(220,363.00)	(4,737,804.50) (4,958,167.50)	(2,412,974.85)	858,946.50 856,788.78	220,363.00 220,363.00	218,574.47 218,025.40	14,322,740.26
57		February		-	92,460,000.00	87,281,469.50	(220,363.00)	(5,178,530.50)		854,631.06	220,363.00	217,476.33	
58 59		March April		-	92,460,000.00 92,460,000.00	87,061,106.50 86,840,743.50	(220,363.00)	(5,398,893.50) (5,619,256.50)		852,473.33 850,315.61	220,363.00 220,363.00	216,927.26 216,378.19	
60 61		May June		-	92,460,000.00 92,460,000.00	86,620,380.50 86,400,017.50	(220,363.00)	(5,839,619.50) (6,059,982.50)		848,157.89 846,000.17	220,363.00 220,363.00	215,829.11 215,280.04	
62		July		-	92,460,000.00	86,179,654.50	(220,363.00)	(6,280,345.50)		843,842.45	220,363.00	214,730.97	
63 64		August September		-	92,460,000.00 92,460,000.00	85,959,291.50 85,738,928.50	(220,363.00)	(6,500,708.50) (6,721,071.50)		841,684.73 839,527.01	220,363.00 220,363.00	214,181.90 213,632.83	
65 66		October November		-	92,460,000.00 92,460,000.00	85,518,565.50 85,298,202.50	(220,363.00) (220,363.00)	(6,941,434.50) (7,161,797.50)		837,369.29 835,211.57	220,363.00 220,363.00	213,083.76 212,534.69	
67		December		-	92,460,000.00	85,077,839.50	(220,363.00)	(7,382,160.50)	(2,644,356.00)	833,053.85	220,363.00	211,985.62	15,363,477.83
68 69	2022	January February		-	92,460,000.00 92,460,000.00	84,857,476.50 84,637,113.50	(220,363.00)	(7,602,523.50) (7,822,886.50)		830,896.12 828,738.40	220,363.00 220,363.00	211,436.55 210,887.47	
70		March		-	92,460,000.00	84,416,750.50	(220,363.00)	(8,043,249.50)		826,580.68	220,363.00	210,338.40 209,789.33	
71 72		April May		-	92,460,000.00 92,460,000.00	84,196,387.50 83,976,024.50	(220,363.00) (220,363.00)	(8,263,612.50) (8,483,975.50)		824,422.96 822,265.24	220,363.00 220,363.00	209,240.26	
73 74		June July		-	92,460,000.00 92,460,000.00	83,755,661.50 83,535,298.50	(220,363.00) (220,363.00)	(8,704,338.50) (8,924,701.50)		820,107.52 817,949.80	220,363.00 220,363.00	208,691.19 208,142.12	
75		August		-	92,460,000.00	83,314,935.50	(220,363.00)	(9,145,064.50)		815,792.08	220,363.00	207,593.05	
76 77		September October	\vdash	-	92,460,000.00 92,460,000.00	83,094,572.50 82,874,209.50	(220,363.00)	(9,365,427.50) (9,585,790.50)		813,634.36 811,476.63	220,363.00 220,363.00	207,043.98 206,494.91	
78 79		November December		-	92,460,000.00 92,460,000.00	82,653,846.50 82,433,483.50	(220,363.00) (220,363.00)	(9,806,153.50) (10,026,516.50)	(2,644,356.00)	809,318.91 807,161.19	220,363.00 220,363.00	205,945.83 205,396.76	14,973,699.75
80	2023	January		-	92,460,000.00	82,213,120.50	(220,363.00)	(10,246,879.50)	(2,044,000.00)	805,003.47	220,363.00	204,847.69	. 4,070,000.70
81 82		February March		-	92,460,000.00 92,460,000.00	81,992,757.50 81,772,394.50	(220,363.00)	(10,467,242.50) (10,687,605.50)		802,845.75 800,688.03	220,363.00 220,363.00	204,298.62 203,749.55	
83 84		April		-	92,460,000.00	81,552,031.50	(220,363.00)	(10,907,968.50) (11,128,331.50)		798,530.31	220,363.00 220,363.00	203,200.48	
85		May June		-	92,460,000.00 92,460,000.00	81,331,668.50 81,111,305.50	(220,363.00) (220,363.00)	(11,348,694.50)		796,372.59 794,214.87	220,363.00	202,651.41 202,102.34	
86 87		July August		-	92,460,000.00 92,460,000.00	80,890,942.50 80,670,579.50	(220,363.00) (220,363.00)			792,057.15 789,899.42	220,363.00 220,363.00	201,553.27 201,004.19	
88		September		-	92,460,000.00	80,450,216.50	(220,363.00)	(12,009,783.50)		787,741.70	220,363.00	200,455.12	
89 90		October November		-	92,460,000.00 92,460,000.00	80,229,853.50 80,009,490.50	(220,363.00)	(12,230,146.50) (12,450,509.50)		785,583.98 783,426.26	220,363.00 220,363.00	199,906.05 199,356.98	
91		December January		-	92,460,000.00 92,460,000.00	79,789,127.50 79,568,764.50	(220,363.00)		(2,644,356.00)	781,268.54 779,110.82	220,363.00 220,363.00	198,807.91 198,258.84	14,583,921.68
93		February		-	92,460,000.00	79,348,401.50	(220,363.00)	(13,111,598.50)		776,953.10	220,363.00	197,709.77	
94 95		March April		-	92,460,000.00 92,460,000.00	79,128,038.50 78,907,675.50	(220,363.00) (220,363.00)			774,795.38 772,637.66	220,363.00 220,363.00	197,160.70 196,611.62	
96		May		-	92,460,000.00	78,687,312.50	(220,363.00)	(13,772,687.50)		770,479.93	220,363.00	196,062.55	
97 98		June July		-	92,460,000.00 92,460,000.00	78,466,949.50 78,246,586.50	(220,363.00) (220,363.00)	(14,213,413.50)		768,322.21 766,164.49	220,363.00 220,363.00	195,513.48 194,964.41	
99 100		August September		-	92,460,000.00 92,460,000.00	78,026,223.50 77,805,860.50	(220,363.00) (220,363.00)	(14,433,776.50)		764,006.77 761,849.05	220,363.00 220,363.00	194,415.34 193,866.27	
101		October		-	92,460,000.00	77,585,497.50	(220,363.00)	(14,874,502.50)		759,691.33	220,363.00	193,317.20	
102		November December		-	92,460,000.00 92,460,000.00	77,365,134.50 77,144,771.50	(220,363.00) (220,363.00)		(2,644,356.00)	757,533.61 755,375.89	220,363.00 220,363.00	192,768.13 192,219.06	14,194,143.60
103		Peceliinei	ш	-	JZ,400,000.00	11,144,111.30	(220,303.00)	(10,010,220.00)	(2,044,300.00)	100,010.09	220,303.00	134,413.00	14,134,143.00

Tempor	CA	BZ	BY	BX	BW	BV	BU	BT	BS	BR	BQ	В	Α	1
December Communication C								Substation			s	on Tables	Depreciati	
1 17								0.242%				ate	Monthly Ra	4
1	Annnual Carrying Charge	Carrying	Carrying	Carrying			Depreciation	Net Plant						6
Marcel	Orlarge	Ondrigo			Expense					Expenditure			2017	8
May		-												10
1.5 1.5														
Append			-			-			-			June		13
Total												August		15
December 187 (200.00 1,675 (200.00 1,668 (201.00 1) 1,668 (201.00 1,668 (201.00 1) 1,668 (201.00		2,081.73	2,023.96	8,180.70		(2,023.96)		835,476.04	837,500.00	837,500.00	er			
Part	73,618.89				(12 143 75)									
Macro	70,010.00	8,296.65	8,095.83	32,603.90	(12,110.70)	(20,239.58)	(8,095.83)	3,329,760.42	3,350,000.00	837,500.00		January	2018	20
May		12,414.72	12,143.75	48,786.95		(42,503.13)		4,982,496.88	5,025,000.00	837,500.00				22
September														
		18,554.00	18,215.63	72,912.88		(91,078.13)	(18,215.63)	7,446,421.88	7,537,500.00	837,500.00		June		25
Section Continue		22,621.64	22,263.54	88,897.75		(133,581.25)	(22,263.54)	9,078,918.75	9,212,500.00	837,500.00		August		27
November											er			
22 2019	1,386,825.66	28,685.27	28,335.42	112,726.41	(230 721 2E)	(212,515.63)	(28,335.42)	11,512,484.38	11,725,000.00	837,500.00		November		30
March 837,500.00 15,075,000 17,075,0	1,000,020.00	32,702.48	32,383.33	128,513.10	(200,731.23)	(275,258.33)	(32,383.33)	13,124,741.67	13,400,000.00	837,500.00		January	2019	32
Section Proceedings Procedings Proceedings Procedings Proceedings Procee		36,699.52	36,431.25	144,220.51		(346,096.88)	(36,431.25)	14,728,903.13	15,075,000.00	837,500.00				34
17														
August		42,657.25	42,503.13	167,633.00		(467,534.38)	(42,503.13)	17,119,965.63	17,587,500.00	837,500.00		June		37
Contember 837,500,00 20,937,500,00 21,037,713,54 (65,589.86) (66,778.46) 196,572.20 56,569.86 50,569.86 50,569.86 50,500.29		46,603.85	46,551.04	183,142.23		(558,612.50)	(46,551.04)	18,703,887.50	19,262,500.00	837,500.00				39
Fig. November 637,500.00 21,775,000.00 21,004,590.03 (25,822.20) (71,004,938) (25,822.20) (70,409.38) (25,221.20) (25,22											er			
March S37,500,00 23,490,000.00 23,690,000 23,69	3,102,366.02	52,485.94	52,622.92	206,257.45	(E00 101 0E)	(710,409.38)	(52,622.92)	21,064,590.63	21,775,000.00	837,500.00		November		42
March	3,102,300.02	56,382.11	56,670.83	221,568.51	(522,181.25)	(821,727.08)	(56,670.83)	22,628,272.92	23,450,000.00	837,500.00	H .	January	2020	44
Hay														
Heart														
September S37,500,00 29,312,500,00 28,037,406,25 (70,888,54) (1,275,093.75) 274,532.94 70,888,54 69,859.87 52 52 52 52 52 52 52 5		66,034.30	66,790.63	259,499.33		(1,135,440.63)	(66,790.63)	26,502,059.38	27,637,500.00	837,500.00		June		49
State														
55 Docember 837,500.00 31,825,000.00 30,325,246.88 (76,910.42) (1,496,753.13) 296,934.71 76,910.42 75,560.41 55 50 50 50 50 50 50 5											er			
65 2021 January 837,500.00 33,500.000.00 31,840.354.17 (80,958.33) (1,752.654.83) 311,770.13 80,958.33 79,335.55 57 Ferbruary 837,500.00 35,175.000.00 33,477.856.63 (85,066.25) (1,742.628.13) 319,158.12 82,982.29 81,215.66 59 April 837,500.00 36,012.500.00 33,347.856.63 (85,066.25) (1,827.634.38) 328,274.64 87,030.21 48,066.44 60 May 837,500.00 36,850.000.00 34,866.21.25 (89,054.17) (2,007.718.75) 341,203.17 89,054.17 80,062.51 83,048.51.18 91,073.13 88,058.11 62 July 837,500.00 38,562.500.00 33,537.101.04 (95,126.04) 2,988.95 33,007.03 33,007.03 35,007.03 33,000.08 30,000.08 36,000.00 36,000.00 37,000.00 37,000.00 38,000.00 38,000.00 38,000.00 38,000.00 38,000.00 38,000.00 38,000.00 38,000.00 38,000.00 38,000.00 38,000.00 38,000.	4,774,946.65	75,560.41	76,910.42	296,934.71	(010 001 05)	(1,499,753.13)	(76,910.42)	30,325,246.88	31,825,000.00	837,500.00		November		54
September 837,500.00 35,175,000.00 33,47,365.63 (85,006.25) (1,827,634.36) 365,506.29 85,006.25 83,099.52	4,774,946.63	79,335.55	80,958.33	311,770.13	(813,631.25)	(1,659,645.83)	(80,958.33)	31,840,354.17	33,500,000.00	837,500.00	H	January	2021	56
September Sept														
Sune														
September 837,500.00 39,382,500.00 37,079,475.00 (95,128.04) (2,283,025.00) 380,099.86 95,126.04 92,399.69		88,685.15	91,078.13	348,511.88		(2,094,796.88)	(91,078.13)	35,592,703.13	37,687,500.00	837,500.00		June		61
65		92,389.69	95,126.04	363,069.86		(2,283,025.00)	(95,126.04)	37,079,475.00	39,362,500.00	837,500.00				63
November - 40,200,000.00 37,625,525.00 (97,150.00) (2,574,475.00) 368,416.60 97,150.00 33,750.27										837,500.00	er			
68 2022 January - 40,200,000.00 37,431,225.00 (97,150.00) (2,768,775,00) 366,514.08 97,150.00 93,266.14 69 February - 40,200,000.00 37,334.075.00 (97,150.00) (2,768,775.00) 365,562.28 97,150.00 93,024.07 70 March - 40,200,000.00 37,238,925.00 (97,150.00) (2,983,075.00) 364,611.56 97,150.00 92,782.00 71 April - 40,200,000.00 37,139,775.00 (97,150.00) (3,080,225.00) 363,680.30 97,150.00 92,539.94 72 May - 40,200,000.00 36,945,475.00 (97,150.00) (3,157,375.00) 362,709.04 97,150.00 92,297.67 73 June - 40,200,000.00 36,844,325.00 (97,150.00) (3,254,625.00) 361,757.78 97,150.00 92,297.67 74 July - 40,200,000.00 36,844,325.00 (97,150.00) (3,245,975.00) 369,855.26 97,150.00 91,313.74 75 August - 40,200,000.00 36,556,875.00 (97,150.00) <	6,330,948.66	93,750.27	97,150.00	368,416.60	(1 000 007 50)	(2,574,475.00)	(97,150.00)	37,625,525.00	40,200,000.00			November		66
March	0,000,940.00	93,266.14	97,150.00	366,514.08	(1,092,937.30)	(2,768,775.00)	(97,150.00)	37,431,225.00	40,200,000.00		1	January	2022	68
May										-				
June	-									-			-	
75		92,055.81	97,150.00	361,757.78		(3,254,525.00)	(97,150.00)	36,945,475.00	40,200,000.00	-		June		73
Process Proc		91,571.68	97,150.00	359,855.26		(3,448,825.00)	(97,150.00)	36,751,175.00	40,200,000.00			August		75
November						(3,643,125.00)	(97,150.00)	36,556,875.00			er			
80 2023 January	6,604,403.06				(1,165.800.00\					-				
82 March - 40,200,000.00 36,071,125.00 (97,150.00) (4,128,875.00) 353,196.43 97,150.00 89,877.22 83 April - 40,200,000.00 35,973,975.00 (97,150.00) (4,226,025.00) 352,245.17 97,150.00 89,635.15 84 May - 40,200,000.00 35,978,6825.00 (97,150.00) (4,226,025.00) 351,293.91 97,150.00 89,933.09 85 June - 40,200,000.00 35,779,675.00 (97,150.00) (4,420,325.00) 350,342.65 97,150.00 89,151.02 86 July - 40,200,000.00 35,682.65.00 (97,150.00) (4,420,325.00) 340,391.39 97,150.00 88,969.96 87 August - 40,200,000.00 35,585,375.00 (97,150.00) (4,614,625.00) 348,440.13 97,150.00 88,666.89 88 September - 40,200,000.00 35,381,575.00 (97,150.00) (4,614,625.00) 344,537.61 97,150.00 88,666.89 89		90,361.35	97,150.00	355,098.95	, . , . 55,500.00)	(3,934,575.00)	(97,150.00)	36,265,425.00	40,200,000.00			January	2023	80
84 May - 40,200,000.00 35,676,825.00 (97,150.00) (4,323,175.00) 351,293.91 97,150.00 89,393.09 85 June - 40,200,000.00 35,779,675.00 (97,150.00) (4,420,325.00) 350,342.65 97,150.00 89,151.02 86 July - 40,200,000.00 35,682,555.00 (97,150.00) (4,470,325.00) 349,391.39 97,150.00 88,969.96 87 August - 40,200,000.00 35,588,575.00 (97,150.00) (4,614,625.00) 348,440.13 97,150.00 88,666.89 88 September - 40,200,000.00 35,888,225.00 (97,150.00) (4,614,625.00) 347,488.87 97,150.00 88,666.89 89 October - 40,200,000.00 35,991,075.00 (97,150.00) (4,614,625.00) 346,537.61 97,150.00 88,428.30 90 November - 40,200,000.00 35,991,075.00 (97,150.00) (4,906,075.00) 345,586.35 97,150.00 88,182.76 91 December - 40,200,000.00 35,093,625.00 (97,150.00)		89,877.22	97,150.00	353,196.43		(4,128,875.00)	(97,150.00)	36,071,125.00	40,200,000.00	-		March		82
85 June - 40,200,000,00 35,779,675,00 (97,150,00) (4,420,325,00) 350,342,65 97,150,00 89,151,02 86 July - 40,200,000,00 35,682,525,00 (97,150,00) (4,571,475,00) 349,391,39 97,150,00 89,690,896 87 August - 40,200,000,00 35,685,375,00 (97,150,00) (4,614,625,00) 348,440,13 97,150,00 88,666,89 88 September - 40,200,000,00 35,381,675,00 (97,150,00) (4,711,775,00) 347,488,87 97,150,00 88,424,83 89 October - 40,200,000,00 35,391,675,00 (97,150,00) (4,808,925,00) 345,637,61 97,150,00 88,128,26 90 November - 40,200,000,00 35,293,925,00 (97,150,00) (4,906,075,00) 345,586,35 97,150,00 87,940,70 91 December - 40,200,000,00 35,998,526,00 (97,150,00) (5,003,225,00) (1,165,800,00) 344,6353,09 97,150,00 87,456,57 <td></td>														
87 August - 40,200,000.00 35,585,375.00 (97,150.00) (4,614,625.00) 348,440.13 97,150.00 88,666.89 88 September - 40,200,000.00 35,488,225.00 (97,150.00) (4,711,775.00) 347,488.87 97,150.00 88,424.83 89 October - 40,200,000.00 35,291,075.00 (97,150.00) (4,908,075.00) 346,586.35 97,150.00 88,182.76 90 November - 40,200,000.00 35,293,225.00 (97,150.00) (4,906,075.00) 345,586.35 97,150.00 87,940.70 91 December - 40,200,000.00 35,198,775.00 (97,150.00) (5,003,225.00) (1,165,800.00) 3445,586.35 97,150.00 87,940.70 92 2024 January - 40,200,000.00 35,093,625.00 (97,150.00) (5,197,525.00) 342,732.57 97,150.00 87,214.50 94 March - 40,200,000.00 34,905,325.00 (97,150.00) (5,197,525.00) 341,781.31 97,150.00 <		89,151.02	97,150.00	350,342.65		(4,420,325.00)	(97,150.00)	35,779,675.00	40,200,000.00			June		85
89 October - 40,200,000.00 35,391,075.00 (97,150.00) (4,808,925.00) 346,537.61 97,150.00 88,182.76 90 November - 40,200,000.00 35,293,925.00 (97,150.00) (5,003,225.00) (1,165,800.00) 345,566.35 97,150.00 87,690.63 6 92 2024 January - 40,200,000.00 35,998,625.00 (97,150.00) (5,100,375.00) 343,683.83 97,150.00 87,696.63 93 February - 40,200,000.00 35,099,625.00 (97,150.00) (5,197,525.00) 342,732.57 97,150.00 87,456.57 93 February - 40,200,000.00 34,905,325.00 (97,150.00) (5,197,525.00) 341,781.31 97,150.00 87,415.00 94 March - 40,200,000.00 34,808,175.00 (97,150.00) (5,294,675.00) 341,781.31 97,150.00 86,972.43 95 April - 40,200,000.00 34,817.50 (97,150.00) (5,391,825.00) 340,830.05 97,150.00 <td></td> <td>88,666.89</td> <td>97,150.00</td> <td>348,440.13</td> <td></td> <td>(4,614,625.00)</td> <td>(97,150.00)</td> <td>35,585,375.00</td> <td>40,200,000.00</td> <td>-</td> <td>0.5</td> <td>August</td> <td></td> <td>87</td>		88,666.89	97,150.00	348,440.13		(4,614,625.00)	(97,150.00)	35,585,375.00	40,200,000.00	-	0.5	August		87
91 December - 40,200,000.00 35,196,775.00 (97,150.00) (5,003,225.00) (1,165,800.00) 344,635.09 97,150.00 87,698.63 6 92 2024 January - 40,200,000.00 35,099,625.00 (97,150.00) (5,100,375.00) 343,683.83 97,150.00 87,456.57 93 February - 40,200,000.00 35,092,475.00 (97,150.00) (5,197,525.00) 342,732.57 97,150.00 87,214.50 94 March - 40,200,000.00 34,905,325.00 (97,150.00) (5,294,675.00) 341,781.31 97,150.00 86,972.43 95 April - 40,200,000.00 34,711.50.00 (97,150.00) (5,391,825.00) 340,830.05 97,150.00 86,730.37 96 May - 40,200,000.00 34,613,875.00 (97,150.00) (5,391,825.00) 338,975.03 97,150.00 86,488.30 97 June - 40,200,000.00 34,613,875.00 (97,150.00) (5,586,125.00) 338,927.53 97,150.00		88,182.76	97,150.00	346,537.61		(4,808,925.00)	(97,150.00)	35,391,075.00	40,200,000.00	-		October		89
92 2024 January - 40,200,000.00 35,099,625.00 (97,150.00) (5,100,375.00) 343,683.83 97,150.00 87,456.57 93 February - 40,200,000.00 35,002,475.00 (97,150.00) (5,197,525.00) 342,732.57 97,150.00 87,421.50 94 March - 40,200,000.00 34,905,325.00 (97,150.00) (5,294,675.00) 341,781.31 97,150.00 86,972.43 95 April - 40,200,000.00 34,808,175.00 (97,150.00) (5,391,825.00) 340,830.05 97,150.00 86,730.37 96 May - 40,200,000.00 34,711,025.00 (97,150.00) (5,588,975.00) 339,875.79 97,150.00 86,7488.30 97 June - 40,200,000.00 34,618,375.00 (97,150.00) (5,588,275.00) 338,927.53 97,150.00 86,248.24 98 July - 40,200,000.00 34,618,75.00 (97,150.00) (5,683,275.00) 337,976.27 97,150.00 86,048.71 <t< td=""><td>6,432,564.14</td><td></td><td></td><td></td><td>(1,165,800.00)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	6,432,564.14				(1,165,800.00)									
94 March - 40,200,000.00 34,905,325.00 (97,150.00) (5,294,675.00) 341,781.31 97,150.00 86,972.43 95 April - 40,200,000.00 34,808,175.00 (97,150.00) (5,391,825.00) 340,830.05 97,150.00 86,782.43 96 May - 40,200,000.00 34,711,025.00 (97,150.00) (5,898,975.00) 339,978.79 97,150.00 86,488.30 97 June - 40,200,000.00 34,613,875.00 (97,150.00) (5,586,125.00) 338,927.53 97,150.00 86,246.24 98 July - 40,200,000.00 34,516,725.00 (97,150.00) (5,683,275.00) 337,976.27 97,150.00 86,004.17 99 August - 40,200,000.00 34,419,575.00 (97,150.00) (5,780,425.00) 337,025.01 97,150.00 85,762.11 100 September - 40,200,000.00 34,322,425.00 (97,150.00) (5,877,575.00) 336,073.74 97,150.00 85,520.04		87,456.57	97,150.00	343,683.83	, , , , , , , , , , , , , , , , , , , ,	(5,100,375.00)	(97,150.00)	35,099,625.00	40,200,000.00			January	2024	92
96 May - 40,200,000.00 34,711,025.00 (97,150.00) (5,488,975.00) 339,878.79 97,150.00 86,488.30 97 June - 40,200,000.00 34,613,875.00 (97,150.00) (5,586,125.00) 338,927.53 97,150.00 86,246.24 98 July - 40,200,000.00 34,516,725.00 (97,150.00) (5,683,275.00) 337,976.27 97,150.00 86,2004.17 99 August - 40,200,000.00 34,419,575.00 (97,150.00) (5,780,425.00) 337,025.01 97,150.00 86,762.11 100 September - 40,200,000.00 34,322,425.00 (97,150.00) (5,877,575.00) 336,073.74 97,150.00 85,520.04		86,972.43	97,150.00	341,781.31		(5,294,675.00)	(97,150.00)	34,905,325.00	40,200,000.00			March		94
97 June - 40,200,000.00 34,613,875.00 (97,150.00) (5,586,125.00) 338,927.53 97,150.00 86,246.24 98 July - 40,200,000.00 34,516,725.00 (97,150.00) (5,683,275.00) 337,976.27 97,150.00 86,004.17 99 August - 40,200,000.00 34,419,575.00 (97,150.00) (5,780,425.00) 337,025.01 97,150.00 85,762.11 100 September - 40,200,000.00 34,322,425.00 (97,150.00) (5,877,575.00) 336,073.74 97,150.00 85,520.04										-				96
99 August - 40,200,000.00 34,419,575.00 (97,150.00) (5,780,425.00) 337,025.01 97,150.00 85,762.11 100 September - 40,200,000.00 34,322,425.00 (97,150.00) (5,877,575.00) 336,073.74 97,150.00 85,520.04		86,246.24	97,150.00	338,927.53		(5,586,125.00)	(97,150.00)	34,613,875.00	40,200,000.00			June		97
		85,762.11	97,150.00	337,025.01		(5,780,425.00)	(97,150.00)	34,419,575.00	40,200,000.00	-		August		99
			97,150.00	335,122.48		(5,974,725.00)		34,225,275.00	40,200,000.00		er			101
102 November - 40,200,000.00 34,128,125.00 (97,150.00) (6,071,875.00) 334,171.22 97,150.00 85,035.91	6,260,725.22				(1.165 800 00)	(6,071,875.00)								

Annual Investment Carrying Charges Distribution Technology Rider

	EV Charging	Microgrid	Microgrid	Smart Lighting	Smart Lighting	NextGen UCS	Substation
Account Title Account	Miscellaneous Equipment 398.XX	Storage Battery Equipment 363	Installations on Customer Premises 371	Installations on Customer Premises 371	Street Light and Signal Systems 373	Communication Equipment 397	Station Equipment 362
Return % (1)	11.75	11.75	11.75	11.75	11.75	11.75	11.75
Depreciation % (2)	10.00	6.67	9.63	9.63	5.40	2.86	2.90
Property Taxes % (3)	2.99	2.99	2.99	2.99	2.99	2.99	2.99
Total %	24.74	21.41	24.37	24.37	20.14	17.60	17.64

⁽¹⁾ Source: Exhibit MDK-3 WACC calculation plus 75 basis point addition to ROE supported by Company witness Moore

⁽²⁾ Source: 10% EV Charging rate based on testimony of Scott Osterholt, other rates as approved in Case No. 11-351-EL-AIR (3) Source: Exhibit MDK-5

AEP OHIO CASE No. 13-2385-EL-SSO AND CASE No. 13-2386-EL-AAM Cost of Capital (\$000)

Date of Capital Structure: December 31, 2015

Line No.	Class of Capital	(\$) Amount	% of Total	(%) Cost	Weighted Cost (%)	Pre-Tax Weighted Cost (%)
1	Long-Term Debt	\$ 1,950,000	49.54%	6.01%	2.98%	2.98%
2	Short-Term Debt	\$ -	0.00%	0.00%	0.00%	0.00%
3	Common Equity	 1,986,600	50.46%	11.16% *	5.63%	8.78%
4	Total Capital	\$ 3,936,600	100%		8.61%	11.75%

^{* 11.16%} equal to 10.41% from Exhibit MDK-3 plus 75 basis points as supported by Company witness Moore

OHIO POWER COMPANY Computation of Gross Revenue Conversion Factor For The Twelve Months Ending December 31, 2015

Line		!	% of Incremental
No.	Description		Gross Revenues
(A)	(B)	(C)	(D)
1	Operating Revenues		100.000%
2			
3	Less:		
4	Uncollectible Accounts Expense	0.670%	
5	Commercial Activities Tax	0.260% [A]	
6			0.930%
7		•	
8	Income Before Income Tax (Line 1- Line 7)		99.070%
9			
10	Gross Revenue Conversion Factor (100% / 99.070366%)		100.938%

Notes:

[A] Statutory rate

Ohio Power Company Balances for 12 Months Ending December 2015

Retail Sales \$ 2,757,997,591.00

Bad Debt Expense \$ 18,468,493.00

Estimated Capitalization %s of Microgrid and Smart Lighting Assets

Microgrid	FERC Account Cost Allocation %	363 \$ 2,430,000 60.6%	\$ 1,580,000 39.4%	sum \$4,010,000
Smart Lighting	FERC Account Bulbs Allocation %	<u>371</u> 121,118 46.2%	<u>373</u> 141,244 53.8%	sum 262,362

Estimated Electricity Bills for EV Charging Stations

		<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2020</u> <u>2021</u>		<u>2023</u>	<u>2024</u>	<u>sum</u>	
Deploymer	nt: L2 DCFC	30 5	50 6	85 7	85 7	0	0	0	0	250 25	
Bills*:	L2 DCFC	15 2.5	295 48	852.5 117.5	1767.5 198.5	2745 279	3000 300	3000 300	3000 300	14675 1545.5	
Pricing:	L2 DCFC total	\$ 1,018.65 \$ 1,348.30 \$ 2,366.95	\$ 20,033.45 \$ 25,887.36 \$ 45,920.81	\$ 57,893.28 \$ 63,370.10 \$ 121,263.38	\$ 120,030.93 \$ 107,055.02 \$ 227,085.95	\$ 186,412.95 \$ 150,470.28 \$ 336,883.23		\$ 203,730.00 \$ 161,796.00 \$ 365,526.00	\$ 203,730.00 \$ 161,796.00 \$ 365,526.00	+,	

^{*} Assumes, as in depreciation table, that one-twelfth of the annual amount goes into service per month, starting with October of the given year.

Ohio Power Company Columbus Southern Power Rate Zone GS-1 Bundled Service* for single L2 charger

Billing Parameters

Metered kWh Usage: 510 kWh

Bill Calculation			Rates						Billing					
			Generation	Transmission	Distribution	Total		Gene	ration	Transmis	sion	Distril	bution	Total
Customer Charge					\$ 6.47	\$ 6.47						\$	6.47 \$	6.4
Energy Charge; (First 1000 kWh)	510 kWh	Х			\$ 0.0147707	\$ 0.0147707	/kWh					\$	7.53 \$	7.50
(Over 1000 kWh)	0 kWh	х			\$ 0.0147707	\$ 0.0147707	/kWh					\$	- \$	-
Base Charges							-					\$	14.00 \$	14.00
Riders														
Universal Service Fund (first 833,000 kWh)	510 kWh	x			\$ 0.0059258	\$ 0.0059258	/kWh					\$	3.02 \$	3.0
Universal Service Fund (in excess of 833,000 kWh)	0 kWh	Х			\$ 0.0001830	\$ 0.0001830	/kWh					\$	- \$	-
kWh Tax (first 2000 kWh)	510 kWh	х			\$ 0.00465	\$ 0.00465	/kWh					\$	2.37 \$	2.3
kWh Tax (next 13,000 kWh)	0 kWh	х			\$ 0.00419	\$ 0.00419	/kWh					\$	- \$	-
kWh Tax (in excess of 15,000 kWh)	0 kWh	Х			\$ 0.00363							\$	- \$	-
Pilot Throughput Balancing Adjustment Rider	510 kWh	Х			\$ 0.0007517		/kWh					\$	0.38 \$	0.38
Deferred Asset Phase-In Rider	\$14.00 Base (Dist)	Х			7.7300%	7.7300%						\$	1.08 \$	1.08
Generation Energy Rider	510 kWh	Х	\$ 0.0466600			\$ 0.0466600		\$	23.80				\$	23.8
Generation Capacity Rider	510 kWh	Х	\$ 0.0076300			\$ 0.0076300	/kWh	\$	3.89				\$	3.8
Auction Cost Reconciliation Rider	510 kWh	Х	\$ 0.0019232			\$ 0.0019232		\$	0.98				\$	0.9
Basic Transmission Cost Rider	510 kWh	Х		\$ 0.0096835		\$ 0.0096835				\$	4.94		\$	4.9
Energy Efficiency and Peak Demand Reduction Cost Recovery	510 kWh	Х			\$ 0.0033390	\$ 0.0033390	/kWh					\$	1.70 \$	1.70
Economic Development Cost Recovery	\$14.00 Base (Dist)	Х			1.05864%	1.05864%						\$	0.15 \$	0.1
Enhanced Service Reliability	\$14.00 Base (Dist)	Х			7.34119%	7.34119%						\$	1.03 \$	1.03
gridSMART Phase 1 Rider	Month				\$ 4.22							\$	4.22 \$	4.22
Retail Stability Rider	510 kWh	Х				\$ 0.0034143	/kWh						\$	1.74
Distribution Investment Rider	\$14.00 Base (Dist)	Х			29.13302%	29.13302%						\$	4.08 \$	4.08
Alternative Energy Rider	510 kWh	Х	\$ 0.0010472			\$ 0.0010472	/kWh	\$	0.53				\$	0.53
Riders Total								\$	29.20	\$	4.94	\$	18.03 \$	53.91
Base + Rider Total													\$	67.91

^{*} Rates current as of 11-1-2016

Ohio Power Company Columbus Southern Power Rate Zone GS-2 Secondary Bundled Service* for single DCFC

Billing Parameters		
	Metered	Adjusted
On-Peak Demand:	50.0	50.0 kW
Off-Peak Demand:	0.0	0.0 kW
kWh Usage:	842	842 kWh

1.00

Bill Calculation			R	ates		
		Generation	Transmission	Distribution	Total	
Customer Charge				\$ 9.04	\$ 9.04	
Energy Charge	842 kWh	(/kWh
Demand Charge	50.0 kW	(\$ 4.033	\$ 4.033	/kW

0.0 kW

842 kWh

842 kWh

\$210.69 Base (Dist)

842 kWh

		Bi	lling		
Ī	Generation	Di	stribution	Total	
			\$	9.04	\$ 9.04
Ī					
			\$	201.65	\$ 201.65
			\$	-	\$ -
			\$	210.69	\$ 210.69

Universal Service Fund (first 833,000 kWh)
Universal Service Fund (in excess of 833,000 kWh)
kWh Tax (first 2000 kWh)
kWh Toy (poyt 12 000 kWh)

Metered Voltage Adjustment:

Off-Peak Excess Demand Charge

Base Charges

Riders

0 kWh 842 kWh 0 kWh kWh Tax (next 13,000 kWh) kWh Tax (in excess of 15,000 kWh) 0 kWh Deferred Asset Phase-In Rider \$210.69 Base (Dist) Generation Energy Rider 842 kWh Generation Capacity Rider 842 kWh Auction Cost Reconciliation Rider 842 kWh Basic Transmission Cost Rider 842 kWh Basic Transmission Cost Rider 50.0 kW Energy Efficiency & Peak Demand Reduction Cost Recovery 842 kWh Economic Development Cost Recovery \$210.69 Base (Dist) Enhanced Service Reliability \$210.69 Base (Dist) gridSmart Phase 1 Rider Month

\$ 0.00363 \$ 0.00363 kWh	Χ				\$ 0.0001830	\$	0.000183	/kWh
\$ 0.00363 \$ 0.00363 kWh	х				\$ 0.00465	\$	0.00465	/kWh
x	Х				\$ 0.00419	69	0.00419	/kWh
x \$ 0.0466600 \$ 0.0466600 kWh \$ 0.0082000 kWh \$ 0.0082000 kWh \$ 0.0019232 kWh \$ 0.0019232 kWh \$ 0.0019232 kWh \$ 0.0019232 kWh \$ 0.00033390 kWh \$ 0.0033390 k	Х				\$ 0.00363	69	0.00363	/kWh
x \$ 0.0082000 \$ 0.0082000 kWh	Х				7.7300%		7.73000%	
x \$ 0.0019232	Х	\$ 0.0466600				69	0.0466600	/kWh
x \$ 0.0003839 \$ 0.0003839 k/Wh x \$ 3.31 \$ 3.31 k/Wh x \$ 0.0033390 \$ 0.0033390 k/Wh x \$ 1.05864% \$ 1.05864% x \$ 7.34119% 7.34119% \$ 4.22 \$ 4.22	Х	\$ 0.0082000				69	0.0082000	/kWh
x \$ 3.31 \$ 3.31 kWh x \$ 0.0033390 \$ 0.0033390 kWh x \$ 1.05864% 1.05864% x \$ 7.34119% 7.34119% \$ 4.22 \$ 4.22	Х	\$ 0.0019232				69	0.0019232	/kWh
x \$ 0.0033390 \$ 0.0033390 kWh x \$ 1.05864% \$ 1.05864% x \$ 7.34119% \$ 7.34119% \$ 4.22 \$ 4.22	Х		69	0.0003839		69	0.0003839	/kWh
x 1.05864% 1.05864% x 7.34119% 7.34119% \$ 4.22 \$ 4.22	Х		69	3.31		69	3.31	/kWh
x 7.34119% 7.34119% \$ 4.22 \$ 4.22	Х				\$ 0.0033390	69	0.0033390	/kWh
\$ 4.22 \$ 4.22	Х				1.05864%		1.05864%	
	Х				7.34119%		7.34119%	
Φ 0.000007 ##					\$ 4.22	69	4.22	
x	Х					69	0.0033897	/kWh
x 29.13302% 29.13302%	Х			•	29.13302%		29.13302%	
x \$ 0.0010472 \$ 0.0010472 /kWh	Х	\$ 0.0010472				69	0.0010472	/kWh

4.033 \$

0.0059258 \$ 0.0059258 /kWh

4.033 /kW

\$ 48.66	\$ 165.82	\$ 111.30	\$ 328.63
\$ 0.88			\$ 0.88
		\$ 61.38	\$ 61.38
			\$ 2.85
		\$ 4.22	\$ 4.22
		\$ 15.47	\$ 15.47
		\$ 2.23	\$ 2.23
		\$ 2.81	\$ 2.81
	\$ 165.50		\$ 165.50
	\$ 0.32		\$ 0.32
\$ 1.62			\$ 1.62
\$ 6.90			\$ 6.90
\$ 39.26			\$ 39.26
		\$ 16.29	\$ 16.29
		\$ -	\$ -
		\$ -	\$ -
		\$ 3.91	\$ 3.91
		\$ -	\$ -
		\$ 4.99	\$ 4.99

Base + Rider Total 539.32

Retail Stability Rider

Riders Total

Distribution Investment Rider

Alternative Energy Rider

^{*} Rates current as of 11-1-2016

Current Rates with Billing Units from Case No. 11-351-EL-AIR Schedule E-4.1

Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RR Tariff: 013	Residential Service							
<u>Distribution Char</u> Customer Charg Bills		5,627,434		\$8.40	\$47,270,446	\$13.40	\$75,407,616	\$28,137,170
Energy Charge - First 800 kWh All Excess kWi Total Energy Cha	per month n per month		2,500,491,683 1,586,334,371	\$0.0182747 \$0.0182747	\$45,695,837 \$28,989,849 \$74,685,686	\$0.0134246 \$0.0134246	\$33,568,101 \$21,295,904 \$54,864,005	-\$12,127,737 -\$7,693,945 -\$19,821,681
Energy Charge - First 800 kWh p All Excess kWh Total Energy Cha	oer month per month		1,535,578,135 1,118,894,019	\$0.0182747 \$0.0182747	\$28,062,292 \$20,447,498 \$48,509,790	\$0.0134246 \$0.0134246	\$20,614,522 \$15,020,705 \$35,635,227	-\$7,447,770 -\$5,426,793 -\$12,874,563
Water Heating E	nergy Charge		37,346,141	\$0.0182747	\$682,491	\$0.0134246	\$501,357	-\$181,134
Total RR Revenu	ues before Riders	5,627,434	6,778,644,349		\$171,148,413		\$166,408,205	-\$4,740,209

Revenue-neutral Rate Redesign

\$113,320

\$42,993,178

-\$40,941

\$6,296,063

Current Rates with Billing Units from Case No. 11-351-EL-AIR Schedule E-4.1

2,218,108

Water Heating Energy Charge

Total RR1 Revenues before Riders

					ļ	l		
Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RR1 Tariff: 014	Residential Small Use Load	d Management Servio 14	ce					
<u>Distribution Charge</u> Customer Charge: Bills	<u>es</u>	2,218,108		\$8.40	\$18,632,107	\$13.40	\$29,722,647	\$11,090,540
Energy Charge - So First 700 kWh pe			235,269,047	\$0.0182747	\$4,299,481	\$0.0134246	\$3,158,393	-\$1,141,088
Energy Charge - W First 700 kWh per For the next 100 k All Excess kWh per Total Energy Charge	r month kWh per month er month		584,306,088 20,481,755 140,025,233	\$0.0182747 \$0.0182747 \$0.0182747	\$10,678,042 \$374,299 \$2,558,925 \$13,611,266	\$0.0134246 \$0.0134246 \$0.0134246	\$7,844,076 \$274,959 \$1,879,783 \$9,998,818	-\$2,833,967 -\$99,339 -\$679,142 -\$3,612,448

\$0.0182747

\$154,261

\$36,697,115

\$0.0134246

8,441,238

988,523,361

Current Rates with Billing Units from Case No. 11-351-EL-AIR Schedule E-4.1

Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RLM Tariff: 019	Residential Optional Demai	nd Service						
<u>Distribution Charge</u> Customer Charge: Bills	<u>s</u>	846		\$8.90	\$7,529	\$13.90	\$11,759	\$4,230
Energy Charge - W First 750 kWh Next 150 kWh in e Excess kWh Total Energy Charg	excess of 5 kW demand		430,162 1,710,752 2,030,550	\$0.0182747 \$0.0182747 \$0.0182747	\$7,861 \$31,264 <u>\$37,108</u> \$76,232	\$0.0134246 \$0.0134246 \$0.0134246	\$5,775 \$22,966 \$27,259 \$56,000	-\$2,086 -\$8,297 -\$9,848 -\$20,232
Energy Charge - Su First 750 kWh Next 150 kWh in e Excess kWh Total Energy Charg	excess of 5 kW demand		206,781 837,934 1,151,493	\$0.0182747 \$0.0182747 \$0.0182747	\$3,779 \$15,313 \$21,043 \$40,135	\$0.0134246 \$0.0134246 \$0.0134246	\$2,776 \$11,249 \$15,458 \$29,483	-\$1,003 -\$4,064 <u>-\$5,585</u> -\$10,652
Demand Charge			22,341	\$0.00	\$0	\$0.00	\$0	\$0
Storage Water Hea	ting Energy Charge		3,687	\$0.0182747	\$67	\$0.0134246	\$49	-\$18
Total RLM Revenue	es before Riders	846	6,371,359		\$123,964		\$97,292	-\$26,672

	Current Rates with Billing	g Units from Case N	No. 11-351-EL-AIR	Schedule E-4.1		Revenue-neutral Rate Redesign		
Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue Less Gas or Fuel Cost Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RS-ES Re Tariff: 032	esidential Energy Storage							
<u>Distribution Charges</u> Customer Charge:		24		\$9.25	\$222	\$14.25	\$342	\$120
Energy Charge: On-Peak Off-Peak Total			7,314 9,550	\$0.0182747 \$0.0182747	\$134 \$175 \$308	\$0.0134246 \$0.0134246	\$98 \$128 \$226	-\$35 -\$46 -\$82
Total RS-ES Revenue	Before Riders	24	16,864		\$530		\$568	\$38

	Current Rates with Billing	Reven	ue-neutral Rate R	edesign				
Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue Less Gas or Fuel Cost Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RS-TOD Tariff: 030	Residential Time of Day							
<u>Distribution Charges</u> Customer Charge	<u>:</u>	76		\$9.25	\$703	\$14.25	\$1,083	\$380
Energy Charge: On-Peak Off-Peak Total			20,738 44,301	\$0.0182747 \$0.0182747	\$379 <u>\$810</u> \$1,189	\$0.0134246 \$0.0134246	\$278 \$595 \$873	-\$101 -\$215 -\$315
Total RS-TOD Reve	nue Before Riders	76	65,039		\$1,892		\$1,956	\$65

	Current Rates with E	Billing Units from Cas	e No. 11-351-EL-AIF	R Schedule E-4.1		Reven	ue-neutral Rate Red	esign	
Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)	
	Residential Service 3, 004, 005, 007, 008, 015	. 017. 022. 038. 062			_				
Distribution Chai		, , ,							
Customer Charg Bills	e:	7,207,281		\$8.40	\$60,541,160	\$13.40	\$96,577,565	\$36,036,405	
Energy Charge: First 800 kWh All Excess kWl Total Energy Ch			4,620,925,075 2,980,891,915	\$0.0182747 \$0.0182747	\$84,446,208 \$54,475,027 \$138,921,234	\$0.0134246 \$0.0134246	\$62,034,071 \$40,017,282 \$102,051,352	-\$22,412,137 -\$14,457,745 -\$36,869,882	
Storage Water F	leater Energy Charge		139,400,516	\$0.0182747	\$2,547,508	\$0.0134246	\$1,871,396	-\$676,112	
Total RS Revenu	ue Before Riders	7,207,281	7,741,217,506		\$202,009,903		\$200,500,314	-\$1,509,589	

	Revenue-neutral Rate Redesign							
Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RS-TOD Schedule RS-ES Tariffs: 030, 032, 03	Residential - Time of Day Se Residential - Energy Storage 34							
Distribution Charges Customer Charge: Bills Energy Charge: On-Peak Off-Peak Total	1	4,902	2,696,466 6,657,564	\$9.25 \$0.0182747 \$0.0182747	\$45,344 \$49,277 \$121,665 \$170,942	\$14.25 \$0.0134246 \$0.0134246	\$69,854 \$36,199 \$89,375 \$125,574	\$24,510 -\$13,078 -\$32,290 -\$45,368
Total RS-TOD, ES F	Revenue Before Riders	4,902	9,354,030		\$216,286		\$195,428	-\$20,858

	Current Rates with Bill	Reven	ue-neutral Rate Red	esign				
Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RR Tariff: 013	Residential Service							
<u>Distribution Charge</u> Customer Charge: Bills	<u>ss</u>	5,627,434		\$8.40	\$47,270,446	\$18.40	\$103,544,786	\$56,274,340
Energy Charge - W First 800 kWh per All Excess kWh p Total Energy Charg	r month er month		2,500,491,683 1,586,334,371	\$0.0182747 \$0.0182747	\$45,695,837 \$28,989,849 \$74,685,686	\$0.0085745 \$0.0085745	\$21,440,466 \$13,602,024 \$35,042,490	-\$24,255,371 -\$15,387,825 -\$39,643,196
Energy Charge - Su First 800 kWh per All Excess kWh per Total Energy Charg	month er month		1,535,578,135 1,118,894,019	\$0.0182747 \$0.0182747	\$28,062,292 \$20,447,498 \$48,509,790	\$0.0085745 \$0.0085745	\$13,166,815 \$9,593,957 \$22,760,771	-\$14,895,478 -\$10,853,541 -\$25,749,019

\$0.0182747

\$682,491

\$171,148,413

\$0.0085745

\$320,224

\$161,668,272

-\$362,267

-\$9,480,142

37,346,141

6,778,644,349

5,627,434

Water Heating Energy Charge

Total RR Revenues before Riders

-\$1,3<u>58,278</u>

-\$7,224,866

\$12,592,165

-\$81,882

Revenue-neutral Rate Redesign

\$1,200,646

\$6,386,400

\$49,289,281

\$72,379

\$0.0085745

\$0.0085745

•					•	'		ľ
Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RR1 Tariff: 014	Residential Small Use Loa	d Management Servi 14	ce					
<u>Distribution Charge:</u> Customer Charge: Bills	<u>s</u>	2,218,108		\$8.40	\$18,632,107	\$18.40	\$40,813,187	\$22,181,080
Energy Charge - Su First 700 kWh per			235,269,047	\$0.0182747	\$4,299,481	\$0.0085745	\$2,017,314	-\$2,282,166
Energy Charge - W First 700 kWh per For the next 100 k	month		584,306,088 20,481,755	\$0.0182747 \$0.0182747	\$10,678,042 \$374,299	\$0.0085745 \$0.0085745	\$5,010,133 \$175,621	-\$5,667,910 -\$198,678

\$0.0182747

\$0.0182747

140,025,233

8,441,238

988,523,361

\$2,558,925

\$154,261

\$13,611,266

\$36,697,115

Current Rates with Billing Units from Case No. 11-351-EL-AIR Schedule E-4.1

2,218,108

All Excess kWh per month

Total Energy Charge - Winter

Water Heating Energy Charge

Total RR1 Revenues before Riders

Current Rates with Billing Units from Case No. 11-351-EL-AIR Schedule E-4.1

Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RLM Tariff: 019	Residential Optional Dema	nd Service						
<u>Distribution Charges</u> Customer Charge: Bills	<u> </u>	846		\$8.90	\$7,529	\$18.90	\$15,989	\$8,460
Energy Charge - Wi First 750 kWh Next 150 kWh in e Excess kWh Total Energy Charge	excess of 5 kW demand		430,162 1,710,752 2,030,550	\$0.0182747 \$0.0182747 \$0.0182747	\$7,861 \$31,264 <u>\$37,108</u> \$76,232	\$0.0085745 \$0.0085745 \$0.0085745	\$3,688 \$14,669 <u>\$17,411</u> \$35,768	-\$4,173 -\$16,595 -\$19,697 -\$40,464
Energy Charge - Su First 750 kWh Next 150 kWh in e Excess kWh Total Energy Charge	excess of 5 kW demand		206,781 837,934 1,151,493	\$0.0182747 \$0.0182747 \$0.0182747	\$3,779 \$15,313 \$21,043 \$40,135	\$0.0085745 \$0.0085745 \$0.0085745	\$1,773 \$7,185 \$9,873 \$18,831	-\$2,006 -\$8,128 -\$11,170 -\$21,304
Demand Charge			22,341	\$0.00	\$0	\$0.00	\$0	\$0
Storage Water Heat	ting Energy Charge		3,687	\$0.0182747	\$67	\$0.0085745	\$32	-\$36
Total RLM Revenue	es before Riders	846	6,371,359		\$123,964		\$70,621	-\$53,344

	Current Rates with Billing	Revenu	ıe-neutral Rate Ro	edesign				
Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue Less Gas or Fuel Cost Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RS-ES Re	esidential Energy Storage							
<u>Distribution Charges</u> Customer Charge:		24		\$9.25	\$222	\$19.25	\$462	\$240
Energy Charge: On-Peak Off-Peak Total			7,314 9,550	\$0.0182747 \$0.0182747	\$134 \$175 \$308	\$0.0085745 \$0.0085745	\$63 \$82 \$145	-\$71 -\$93 -\$164
Total RS-ES Revenue	Before Riders	24	16,864		\$530		\$607	\$76

	Current Rates with Billing	Reven	ue-neutral Rate R	edesign				
Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue Less Gas or Fuel Cost Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RS-TOD Tariff: 030	Residential Time of Day							
<u>Distribution Charges</u> Customer Charge	<u>x</u>	76		\$9.25	\$703	\$19.25	\$1,463	\$760
Energy Charge: On-Peak Off-Peak Total			20,738 44,301	\$0.0182747 \$0.0182747	\$379 \$810 \$1,189	\$0.0085745 \$0.0085745	\$178 \$380 \$558	-\$201 -\$430 -\$631
Total RS-TOD Reve	nue Before Riders	76	65,039		\$1,892		\$2,021	\$129

	Current Rates with Billing Units from Case No. 11-351-EL-AIR Schedule E-4.1							esign
Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
	Residential Service 3, 004, 005, 007, 008, 015	017 022 038 062			_			
Distribution Cha		, 017, 022, 000, 002						
Customer Charg Bills		7,207,281		\$8.40	\$60,541,160	\$18.40	\$132,613,970	\$72,072,810
Energy Charge: First 800 kWh All Excess kW Total Energy Ch			4,620,925,075 2,980,891,915	\$0.0182747 \$0.0182747	\$84,446,208 \$54,475,027 \$138,921,234	\$0.0085745 \$0.0085745	\$39,622,122 \$25,559,658 \$65,181,780	-\$44,824,086 -\$28,915,369 -\$73,739,455
Storage Water H	leater Energy Charge		139,400,516	\$0.0182747	\$2,547,508	\$0.0085745	\$1,195,290	-\$1,352,219
Total RS Reven	ue Before Riders	7,207,281	7,741,217,506		\$202,009,903		\$198,991,040	-\$3,018,863

	Reven	ue-neutral Rate Red	design					
Rate Code (1)	Class/ Descript. (2)	Customer Bills (3)	Sales KW / KWH (4)	Current Rate (5)	Current Annualized Revenue (6)	Proposed Revenue Neutral Rate (7)	Proposed Revenue (8)	Difference from Current Revenue (9)
Schedule RS-TOD Schedule RS-ES Tariffs: 030, 032, 03	Residential - Time of Day Se Residential - Energy Storage							
Distribution Charges Customer Charge: Bills Energy Charge: On-Peak Off-Peak Total		4,902	2,696,466 6,657,564	\$9.25 \$0.0182747 \$0.0182747	\$45,344 \$49,277 \$121,665 \$170,942	\$19.25 \$0.0085745 \$0.0085745	\$94,364 \$23,121 \$57,085 \$80,206	\$49,020 -\$26,156 <u>-\$64,580</u> -\$90,736
Total RS-TOD, ES R	Revenue Before Riders	4,902	9,354,030		\$216,286		\$174,570	-\$41,716

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

11/23/2016 2:17:26 PM

in

Case No(s). 16-1852-EL-SSO, 16-1853-EL-AAM

Summary: Text - Workpapers of David Gill of Ohio Power Company electronically filed by Mr. Steven T Nourse on behalf of Ohio Power Company