BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of Staff's Review of Select)	
Tariffs of Ohio Edison Company, The)	Case No. 18-1644-EL-RDR
Cleveland Electric Illuminating Company)	
and The Toledo Edison Company)	
)	
)	
)	

REPORT IN SUPPORT OF STAFF'S 2019 ANNUAL REVIEW OF THE ALTERNATIVE ENERGY RESOURCE RIDER (RIDER AER) SUBMITTED BY OHIO EDISON COMPANY, THE CLEVELAND ELECTRIC ILLUMINATING COMPANY AND THE TOLEDO EDISON COMPANY

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In its Order in Case No. 12-1230-EL-SSO ("Order"), and continued in Case No. 14-1297-EL-SSO, the Commission clarified that the Companies should file annually an application, in a separate docket, for a review of certain riders. Pursuant to the schedule agreed to with the Commission Staff ("Staff") and consistent with the Commission's Order, this application for the review of the Alternative Energy Resource Rider (Rider AER) is to be filed in February of each year. Ohio Edison Company, The Cleveland Electric Illuminating Company ("CEI") and The Toledo Edison Company (collectively, "Companies") hereby submit this Report on the Companies' Rider AER for the year ended December 31, 2019.

In accordance with the Order, the Companies submit the following Exhibits:

- Exhibit A: Workpapers
- Exhibit B: Rate Design (Tariff Effective January 1, 2019)
- Exhibit C: Rate Design (Tariff Effective April 1, 2019)
- Exhibit D: Rate Design (Tariff Effective July 1, 2019)
- Exhibit E: Rate Design (Tariff Effective October 1, 2019)
- Exhibit F: 2019 Effective Tariff Sheets

Respectfully submitted,

/s/ Emily V. Danford

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				Compute	Quarterly Reco	oncilable Alter	native Energy	ON COMPANY Resource Rider December 31, 2	(AER) - Defer	ring Begins 9/1	/2009						
Line No.	Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019		YTD 2019
	Revenues																
1 AER Ride	r Revenue	Sales Report	s	203,383.74 \$	166,294.68 \$	200,037.95 \$	140,451.97 \$	161,965.58 \$	187,909.62 \$	218,199.32 \$	191,455.59 \$	177,319.24 \$	154,884.58 \$	214,307.52 \$	206,796.68		2,223,006.47
	od AER Rev Adj AER Rider Rev	Sum (L1 L2)	s	- S 203,383.74	- \$ 166,294.68	- \$ 200,037.95	- S 140,451.97	- \$ 161,965.58	- \$ 187,909.62	- \$ 218,199.32	- \$ 191,455.59	- S 177,319.24	- S 154,884.58	- \$ 214,307.52	206,796.68		2,223,006.47
4 CAT Tax 5 CAT Amo	ount - AER Rider Rev	L3 x L4		0.2600% 528.80	0.2600% 432.37	0.2600% 520.10	0.2600% 365.18	0.2600% 421.11	0.2600% 488.57	0.2600% 567.32	0.2600% 497.78	0.2600% 461.03	0.2600% 402.70	0.2600% 557.20	0.2600% 537.67		5,779.83
6 Total Rev	enues Excluding CAT	L3 - L5		202,854.94	165,862.31	199,517.85	140,086.79	161,544.47	187,421.05	217,632.00	190,957.81	176,858.21	154,481.88	213,750.32	206,259.01		2,217,226.64
	Costs Renewable Energy Resource Costs																
7 8 9 10 11 12 13 Total AEF	Costs Before Adjustments Prior Period Cost Adjustments	Sum (L7 - L12)	_	153,379.02	184,945.19	167,159.04	169,632.25	193,549.39	193,549.39	142,580.22	109,979.48	106,914.67	215,007.28	401,645.62	403,145.62		2,441,487.17
14 15 16 17 18 19	ır Period Cost Adjustments	Sum (L14 - L19)	s	- S	- s	- s	- S	. s	- s	- s	. 2	- S	- S	- S			
	AER Costs After Adj	L13 L20	2	153,379.02 S		167,159.04 \$								401,645.62 \$	403,145.62	S	2,441,487.17
	athly Principal Bal	L21 - L6	s	(49,475.92) \$	19,082.88 \$		29,545.46 \$	32,004.92 \$	6,128.34 \$	(75,051.78) \$	(80,978.33) \$	(69,943.54) \$		187,895.30 \$	196,886.61	s	224,260.53
	Calculate Interest																
23 Bal. Subjection 24 Prior Perior	ect to Int Prior Period Adj.	L22/2 Prev L33	s	102,966.89 \$	88,497.93 \$	82,643.80 \$	81,821.09 S	113,174.43 \$	133,040.75 \$	99,519.10 \$	22,207.24 \$	(53,096.77) \$	(58,181.02) \$	65,618.22 \$	258,472.84	s	936,684.50
24 Prior Pera 25 Bal. Subje		L23 L24	\$	102,966.89 \$	88,497.93 \$	82,643.80 \$	81,821.09 S	113,174.43 \$	133,040.75 \$	99,519.10 \$	22,207.24 \$	(53,096.77) \$	(58,181.02) \$	65,618.22 \$	258,472.84	S	936,684.50
28 Prior	interest Rate thly Interest Period Interest Adjustment Interest	Stip ESP L25 x L26 L27 L28	s <u>s</u>	0.7066% 727.56 \$ \$ 727.56 \$	0.7066% 625.33 \$ 158.51 783.84 \$		0.7066% 578.15 \$ 578.15 \$	0.7066% 799.69 \$ 799.69 \$	0.7066% 940.07 \$ 940.07 \$	0.7066% 703.20 \$ 703.20 \$	0.7066% 156.92 \$ 156.92 \$	0.7066% (375.18) \$ (375.18) \$	0.7066% (411.11) \$ (411.11) \$	0.7066% 463.66 \$ 463.66 \$	0.7066% 1,826.37 1,826.37	S S	6,618.62 158.51 6,777.13
	Principal & Interest Balances																
30 Monthly I	Principal & Interest	L22 L29	S	(48,748.36) \$	19,866.72 \$	(31,774.85) \$	30,123.61 S	32,804.61 \$	7,068.41 \$	(74,348.58) \$	(80,821.41) \$	(70,318.72) \$	60,114.29 S	188,358.96 \$	198,712.98	S	231,037.66
32 Cumulativ	ve Principal Balance ve Interest Balance Cum Princ & Int	L22 Prev L31 L29 Prev L32 L31 L32	(3,885,951.25) \$ 4 013 656.10 127,704.85 \$	(3,935,427.17) \$ 4 014 383.66 78,956.49 \$	(3,916,344.29) \$ 4 015 167.50 98,823.21 \$	4 015 751.46	(3,919,157.64) \$ 4 016 329.61 97,171.97 \$	(3,887,152.72) \$ 4 017 129.30 129,976.58 \$	(3,881,024.38) \$ 4.018.069.37 137,044.99 \$	(3,956,076.16) \$ 4 018 772.57 62,696.41 \$	(4,037,054.49) \$ 4 018 929.49 (18,125.00) \$	(4,106,998.03) S 4 018 554.31 (88,443.72) S	(4,046,472.63) \$ 4 018 143.20 (28,329.43) \$	(3,858,577.33) \$ 4 018 606.86 160,029.53 \$	(3,661,690.72) 4 020 433.23 358,742.51		

				Con		Reconcilable Alt	ernative Energy	Resource Rider December 31, 20	(AER) - Deferri	ing Begins 9/1/20	09					
Line No.	Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	YTD 2019
	Revenues															
	R Rider Revenue	Sales Report	s	74,343.07 \$	64,417.01 S	96,707.95 \$	67,151.14 \$	91,432.28 \$	96,122.73 \$	128,084.65 \$	104,561.61 \$	92,300.52 \$	87,690.60 \$	101,417.70 \$	118,212.05	S 1,122,441.
	or Period AER Rev Adj Total AER Rider Rev	Sum (L1 L2)		74,343.07	64,417.01	96,707.95	67,151.14	91,432.28	96,122.73	128,084.65	104,561.61	92,300.52	87,690.60	- S 101,417.70	118,212.05	1,122,441.
4 CAT 5 CAT	T Tax T Amount - AER Rider Rev	L3 x L4		0.2600% 193.29	0.2600% 167.48	0.2600% 251.44	0.2600% 174.59	0.2600% 237.72	0.2600% 249.92	0.2600% 333.02	0.2600% 271.86	0.2600% 239.98	0.2600% 228.00	0.2600% 263.69	0.2600% 307.35	2,918.
	al Revenues Excluding CAT	L3 - L5		74,149.78	64,249.53	96.456.51	66.976.55	91.194.56	95.872.81	127.751.63	104.289.75	92.060.54	87.462.60	101.154.01	117.904.70	1,119,522
0 1012	Costs]		74,147.76	04,247.33	90,430.31	66,976.33	91,194.30	93,072.01	127,731.03	104,289.73	92,000.34	87,402.00	101,134.01	117,904.70	1,119,322
	Renewable Energy Resource Costs	_														
7 8																
9 10 11																
12 13 Tota	al AER Costs Before Adjustments	Sum (L7 - L12)	_	84,027.74	101,861.57	91,702.83	92,932.08	106,034.96	106,034.95	78,111.78	60,251.65	58,572.60	117,790.54	220,039.32	220,039.28	1,337,399.
	Prior Period Cost Adjustments	_														
14 15																
16 17																
18 19 20 Tota	al Prior Period Cost Adjustments	Sum (L14 - L19)														
	Total AER Costs After Adi	L13 L20	-	84.027.74 S	101.861.57 S	91.702.83 S	92.932.08 S	106.034.96 S	106.034.95 S	78.111.78 S	60.251.65 S	58.572.60 S	117.790.54 S	220.039.32 S	220.039.28	S 1.337.399.
	R Monthly Principal Bal	L21 - L6	<u>s</u>	9,877.96 S	37,612.04 S	(4.753.68) S	25,955,53 S	14.840.40 S	100,034.93 S	(49,639,85) S	(44,038,10) S	(33,487,94) S	30,327.94 S	118.885.31 S		s 217.876.
	Calculate Interest	1														
	. Subject to Int Prior Period Adj.	L22/2 Prev L33	s	19,265.69 \$	43,146.82 S	59,971.56 S	70,996.25 S	91,895.87 \$	105,046.48 \$	86,049.88 \$	39,818.94 \$	1,337.28 S	(233.27) \$	74,371.71 \$	185,407.16	s 777,074.
	or Period Int Adj . Subject to Int	L23 L24	S	19,265.69 \$	43,146.82 S	59,971.56 S	70,996.25 S	91,895.87 \$	105,046.48 \$	86,049.88 S	39,818.94 S	1,337.28 S	(233.27) \$	74,371.71 S	185,407.16	S 777,074.
26 Mon 27	nthly Interest Rate Monthly Interest	Stip ESP L25 x L26	\$	0.7066% 136.13 \$	0.7066% 304.88 S	0.7066% 423.76 S	0.7066% 501.66 S	0.7066% 649.34 \$	0.7066% 742.26 \$	0.7066% 608.03 S	0.7066% 281.36 S	0.7066% 9.45 S	0.7066% (1.65) S	0.7066% 525.51 \$	0.7066% 1,310.09	S 5,490.
28	Prior Period Interest Adjustment Total Interest	L27 L28	\$	S 136.13 S	90.68 395.56 S	423.76 S	501.66 S	649.34 \$	742.26 S	608.03 S	281.36 S	9.45 \$	(1.65) \$	525.51 \$	1 310.09	\$ 90. \$ 5581.
	Principal & Interest Balances]														
30 Mon	nthly Principal & Interest	L22 L29	s	10,014.09 \$	38,007.60 S	(4,329.92) S	26,457.19 \$	15,489.74 \$	10,904.40 S	(49,031.82) \$	(43,756.74) \$	(33,478.49) S	30,326.29 \$	119,410.82 \$	103,444.67	S 223,457.
32 Cum	mulative Principal Balance mulative Interest Balance	L22 Prev L31 L29 Prev L32	(3,442,536.16) \$ 3 456 862.87	3 456 999.00	(3,395,046.16) \$ 3.457.394.56	(3,399,799.84) \$ 3 457 818.32	(3,373,844.31) \$ 3.458.319.98	3 458 969.32	(3,348,841.77) \$ 3 459 711.58	(3,398,481.62) \$ 3.460.319.61	(3,442,519.72) \$ 3 460 600.97	(3,476,007.66) \$ 3 460 610.42	(3,445,679.72) \$ 3.460.608.77	(3,326,794.41) \$ 3 461 134.28	3 462 444.37	
33	Total Cum Princ & Int	L31 L32	14 326.71 \$	24 340.80 S	62 348.40 S	58 018.48 S	84 475.67 S	99 965.41 \$	110 869.81 \$	61 837.99 \$	18 081.25 S	(15 397.24) \$	14 929.05 S	134 339.87 S	237 784.54	

				Comp	ute Quarterly		HE TOLEDO I		PANY ider (AER) - De	ferring Begins 9	0/1/2009						
					Ç ,		r the Year End										
Line No.	Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019		YTD 2019
	Revenues																
	AER Rider Revenue	Sales Report	s	105,540.96 \$	98,078.60 S	70,508.17 \$	59,508.44 \$	32,512.88 \$	38,937.92 \$	52,277.10 \$	38,982.34 \$	35,959.53 \$	49,226.19 \$	63,576.65 \$	66,254.27	s	711,363.0
2	Prior Period AER Rev Adj Total AER Rider Rev	Sum (L1 L2)		105,540.96	98,078.60	70,508.17	59,508.44	32,512.88	38,937.92	52,277.10	38,982.34	35,959.53	49,226.19	63,576.65	66,254.27		711,363.0
	CAT Tax CAT Amount - AER Rider Rev	L3 x L4		0.2600% 274.41	0.2600% 255.00	0.2600% 183.32	0.2600% 154.72	0.2600% 84.53	0.2600% 101.24	0.2600% 135.92	0.2600% 101.35	0.2600% 93.49	0.2600% 127.99	0.2600% 165.30	0.2600% 172.26		1,849.5
6	Total Revenues Excluding CAT	L3 - L5		105,266.55	97,823.60	70,324.85	59,353.72	32,428.35	38,836.68	52,141.18	38,880.99	35,866.04	49,098.20	63,411.35	66,082.01		709,513.5
1	Costs																
	Renewable Energy Resource Costs	-															
7 8																	
9 10																	
11																	
13	Total AER Costs Before Adjustments	Sum (L7 - L12)	_	47 124.20	58 679.60	51 716.01	52 117.93	59 466.25	59 466.24	43 806.44	33 790.17	32 848.54	66 058.98	123 401.87	123 401.86		751 878.0
	Prior Period Cost Adjustments	-															
14 15																	
16 17																	
18 19	Total Prior Period Cost Adjustments	Sum (L14 - L19)															
21	Total AER Costs After Adj	L13 L20	-	47.124.20 S	58.679.60 S	51.716.01 S	52.117.93 S	59.466.25 S	59.466.24 S	43.806.44 S	33,790.17 S	32.848.54 S	66.058.98 S	123.401.87 S	123,401.86	-	751,878.0
	AER Monthly Principal Bal	L21 - L6	<u> </u>		(39,144.00) S	(18,608.84) \$	(7,235.79) \$	27.037.90 S	20.629.56 S	(8,334.74) S	(5,090.82) S	(3.017.50) S	16,960.78 S	59,990.52 S	57,319.85	,	42,364.5
	Calculate Interest	7	,	(30,142.33) 3	(37,144.00) 3	(10,000.04) 3	(1,233.13)	27,037.30	20,027.50	(0,334.74) 3	(3,070.02) 3	(3,017.50) 3	10,700.70	37,770.32 4	31,313.00	,	42,004.0
24	Bal. Subject to Int Prior Period Adj. Prior Period Int Adj	L22/2 Prev L33	s		1,271.41 \$	(27,534.16) \$	(40,651.03) \$	(31,037.22) S	(7,422.80) \$	(1,327.84) S	(8,050.00) \$	(12,161.04) \$	(5,275.33) \$	33,163.04 \$	92,052.56	\$	42,591.9
	Bal. Subject to Int	L23 L24	S	.,,	1,271.41 \$	(27,534.16) \$	(40,651.03) \$	(31,037.22) \$	(7,422.80) \$	(1,327.84) \$	(8,050.00) \$	(12,161.04) \$	(5,275.33) \$	33,163.04 \$	92,052.56	S	42,591.9
26 27 28	Monthly Interest Rate Monthly Interest Prior Period Interest Adjustment	Stip ESP L25 x L26	s	0.7066% 350.22 \$	0.7066% 8.98 S 61.87	0.7066% (194.56) \$	0.7066% (287.24) \$	0.7066% (219.31) \$	0.7066% (52.45) \$	0.7066% (9.38) S	0.7066% (56.88) \$	0.7066% (85.93) \$	0.7066% (37.28) \$	0.7066% 234.33 \$	0.7066% 650.44	S	300.9 61.8
29	Total Interest	L27 L28	<u>s</u>	350.22 \$	70.85 S	(194.56) \$	(287.24) \$	(219.31) S	(52.45) \$	(9.38) S	(56.88) \$	(85.93) \$	(37.28) \$	234.33 \$	650.44	s	362.8
	Principal & Interest Balances																
30	Monthly Principal & Interest	L22 L29	s	(57,792.13) \$	(39,073.15) S	(18,803.40) S	(7,523.03) \$	26,818.59 \$	20,577.11 \$	(8,344.12) S	(5,147.70) \$	(3,103.43) \$	16,923.50 S	60,224.85 \$	57,970.29	S	42,727.3
	Cumulative Principal Balance	L22 Prev L31		(1,530,127.79) \$				(1,568,078.52) \$	(1,547,448.96) \$	(1,555,783.70) \$	(1,560,874.52) \$	(1,563,892.02) \$	(1,546,931.24) \$	(1,486,940.72) \$	(1,429,620.87)		
32 33	Cumulative Interest Balance Total Cum Princ & Int	L29 Prev L32 L31 L32	1,550,620.98 78 635.54 \$	1,550,971.20 20 843.41 \$	1,551,042.05 (18 229.74) S	1,550,847.49 (37.033.14) \$	1,550,560.25 (44 556.17) \$	1,550,340.94 (17 737.58) \$	1,550,288.49 2 839.53 \$	1,550,279.11 (5 504.59) \$	1,550,222.23 (10 652.29) \$	1,550,136.30 (13.755.72) \$	1,550,099.02 3 167.78 S	1,550,333.35 63 392.63 \$	1,550,983.79 121 362.92		
\vdash		=										,					

RIDER AER

2019 Q1 (Recovery from January 2019 through March 2019)

		Jan 2019 - Mar
Company		2019 Rate
		(¢/kWh)
(A)		(B)
OE	Overall	0.0490
CEI	Overall	0.0365
TE	Overall	0.0883

NOTES

Column (B) Overall rate source, Pages 2-4, Column C, Line 1

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

		(A)		(B)	(C)	(υ)	(E)	(F)	(6)	(H)
Line No.	OE									
1	AER				\$ 0.000490	0.26%			0.7066%	
1	Month	MWh	Bogi	nning Balance	Revenues	Revenues, Net	Prior Period	Additional REC	Interest	Ending Balance
1	WIOIILII	1010011	Degi	mining balance	Revenues	of CAT	Interest Adj	Expense	interest	Lituing balance
2	Oct-18	,	\$	163,645.27	\$ 144,645.88	\$144,269.80	(593.11)	\$ 146,457.06	\$ 570.94	\$ 166,403.47
3	Nov-18		\$	166,403.47	\$ 155,520.12	\$155,115.76	-	\$ 137,720.20	\$ 1,114.35	\$ 150,122.25
4	Dec-18		\$	150,122.25	\$ 188,240.45	\$187,751.03	-	\$ 143,695.19	\$ 905.11	\$ 106,971.53
5	Jan-19		\$	106,971.53	\$ 188,882.37	\$188,391.28	-	\$ 143,695.19	\$ 597.95	\$ 62,873.39
6	Feb-19		\$	62,873.39	\$ 168,964.33	\$168,525.02	-	\$ 131,975.11	\$ 315.13	\$ 26,638.61
7	Mar-19		\$	26,638.61	\$ 159,121.21	\$158,707.50	-	\$ 131,975.11	\$ 93.78	\$ -

NOTES

Column (C), Line 1: Rate (\$ / kWh) to be charged from January 2019 through March 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of March 31, 2019.

Column (B), Line 2: Page 5, Line 33 for September 2018 Balance

Column (C), Line 2: Page 5, Line 3 for October 2018

Column (F), Line 2: Page 5, Line 21 for October 2018

Column (A) = Forecasted nonshopping MWh from Page 10, Column D

Column (B) = Column (H), Previous Row

Column (C) = (A)*(C)1*1000 except November and December 2018 see page 8, Line 1, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 5, Line 28 for October 2018

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are

estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column J

Column (G) = (B+(F-D)/2)*(G Line 1)+E

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

		(A)		(B)	(C)		(D)	(E)		(F)	(G)		(H)
	CEI												
1	AER		240		\$ 0.000365		0.26%				0.7066%		
	Month	MWh	Pagi	nning Balance	Revenues	Rev	enues, Net of	Prior Period	A	dditional REC	Interest		ding Balance
	MOULT	IVIVV	begi	nning balance	Revenues		CAT	Interest Adj		Expense	interest	En	ding balance
2	Oct-18		\$	15,674.22	\$ 74,042.22	\$	73,849.71	-	\$	83,783.29	\$145.85	\$	25,753.65
3	Nov-18		\$	25,753.65	\$ 80,491.14	\$	80,281.86	-	\$	78,785.22	\$176.69	\$	24,433.70
4	Dec-18		\$	24,433.70	\$ 105,775.70	\$	105,500.68	-	\$	82,203.32	\$90.34	\$	1,226.68
5	Jan-19		\$	1,226.68	\$ 83,426.29	\$	83,209.38	-	\$	82,203.32	\$5.11	\$	225.73
6	Feb-19		\$	225.73	\$ 75,536.90	\$	75,340.50	-	\$	75,498.64	\$2.15	\$	386.02
7	Mar-19		\$	386.02	\$ 76,083.83	\$	75,886.02	-	\$	75,498.64	\$1.36	\$	-

NOTES

Column (C), Line 1: Rate (\$ / kWh) to be charged from January 2019 through March 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of March 31, 2019.

Column (B), Line 2: Page 6, Line 33 for September 2018 Balance

Column (C), Line 2: Page 6, Line 3 for October 2018

Column (F), Line 2: Page 6, Line 21 for October 2018

Column (A) = Forecasted nonshopping MWh from Page 10, Column E

Column (B) = (H), Previous Row

Column (C) = (A)*(C)1*1000 except November and December 2018 see page 8, Line 2, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 6, Line 28 for October 2018

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column K

Column (G) = (B+(F-D)/2)*(G Line 1)+E

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

		(A)		(B)	(C)	(D)	(E)		(F)	(G)		(H)
I	TE	9 										j
1	AER		Ų.		\$ 0.000883	0.26%				0.7066%		
- [Month	MWh	Rog	nning Balance	Revenues	Revenues, Net of	Prior Period	Ac	lditional REC	Interest	En	ding Balance
L	WOILLI	1414411	Deg	mining Dalance	Revenues	CAT	Interest Adj		Expense	interest	L11	ung balance
2	Oct-18		\$	109,596.70	\$ 66,541.75	\$66,368.74	-	\$	57,173.32	\$ 741.92	\$	101,143.20
3	Nov-18		\$	101,143.20	\$ 60,029.97	\$59,873.89	-	\$	53,762.66	\$ 693.09	\$	95,725.06
4	Dec-18		\$	95,725.06	\$ 70,901.65	\$70,717.31	-	\$	56,095.16	\$ 624.73	\$	81,727.64
5	Jan-19		\$	81,727.64	\$ 88,586.29	\$88,355.97	-	\$	56,095.16	\$ 463.51	\$	49,930.34
6	Feb-19		\$	49,930.34	\$ 78,284.96	\$78,081.42	-	\$	51,519.92	\$ 258.97	\$	23,627.80
7	Mar-19		\$	23,627.80	\$ 75,427.01	\$75,230.90	-	\$	51,519.92	\$ 83.18	\$	-

Notes

Column (C), Line 1: Rate (\$ / kWh) to be charged from January 2019 through March 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of March 31, 2019.

Column (B), Line 2: Page 7, Line 33 for September 2018 Balance

Column (C), Line 2: Page 7, Line 3 for October 2018

Column (F), Line 2: Page 7, Line 21 for October 2018

Column (A) = Forecasted nonshopping MWh from Page 10, Column F

Column (B) = (H), Previous Row

Column (C) = (A)*(C)1*1000 except November and December 2018 see page 8, Line 3, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 7, Line 28 for October 2018

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column L

Column (G) = (B+(F-D)/2)*(G Line 1)+E

				Compute (Quarterly Reco	ncilable Alter	native Energy	ON COMPAN' Resource Rider December 31, 2	r (AER) - Defei	rring Begins 9/1	1/2009						
Line No.	Description	Source	Prior Yr Balance	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018		YTD 2018
	Revenues																
1 AER Rider	r Revenue	Sales Report	s	126,129.02 \$	100,221.90 \$	106,780.77 \$	185,264.72 \$	180,550.35 \$	179,935.97 \$	190,517.41 \$	176,683.44 \$	158,488.87 \$	144,645.88			1	1,549,218.
	od AER Rev Adj AER Rider Rev	Sum (L1 + L2)	s	- \$ 126,129.02	- S 100,221.90	- S 106,780.77	- \$ 185,264.72	- \$ 180,550.35	- \$ 179,935.97	- \$ 190,517.41	- \$ 176,683.44	- \$ 158,488.87	- S 144,645.88	- s	:		1,549,218.
4 CAT Tax 5 CAT Amor	ount - AER Rider Rev	L3 x L4		0.2600% 327.94	0.2600% 260.58	0.2600% 277.63	0.2600% 481.69	0.2600% 469.43	0.2600% 467.83	0.2600% 495.35	0.2600% 459.38	0.2600% 412.07	0.2600% 376.08	0.2600%	0.2600%		4,027.5
6 Total Reve	enues Excluding CAT	L3 - L5		125,801.08	99,961.32	106,503.14	184,783.03	180,080.92	179,468.14	190,022.06	176,224.06	158,076.80	144,269.80	-	-	1	1,545,190.3
	Costs																
	Renewable Energy Resource Costs	_															
7 8 9 10																	
12 13 Total AER	R Costs Before Adjustments	Sum (L7 - L12)		137,204.29	147,055.39	141,841.74	136,041.85	136,041.85	136,041.85	138,467.06	154,992.20	114,497.07	146,457.06			1	1,388,640.3
	Prior Period Cost Adjustments	_															
14 15 16 17 18 19																	
20 Total Prior	r Period Cost Adjustments	Sum (L14 - L19)	S	- S	- S	- S	- S	- S	- S	- \$	- S	- \$	- S	- S	-	-	-
21 Total	AER Costs After Adj	L13 + L20	\$	137 204.29 \$	147 055.39 S	141 841.74 S	136 041.85 \$	136 041.85 S	136 041.85 S	138 467.06 \$	154 992.20 \$	114 497.07 \$	146 457.06 S	- S	-	S 1	1 388 640.3
22 AER Mont	thly Principal Bal	L21 - L6	s	11,403.21 \$	47,094.07 \$	35,338.60 \$	(48,741.18) \$	(44,039.07) \$	(43,426.29) \$	(51,555.00) \$	(21,231.86) \$	(43,579.73) \$	2,187.26 \$	- s		s	(156,549.9
	Calculate Interest]															
23 Bal. Subject 24 Prior Perio	ect to Int Prior Period Adj.	L22/2 + Prev L33	s	308,495.41 \$	339,923.88 \$	383,542.11 \$	379,550.93 \$	335,842.71 \$	294,483.09 \$	249,073.27 \$	214,439.79 \$	183,549.22 \$	164,738.90 S	166,403.47 \$	167,579.28	\$ 3	3,187,622.0
25 Bal. Subject		L23 + L24	\$	308,495.41 \$	339,923.88 S	383,542.11 S	379,550.93 \$	335,842.71 S	294,483.09 S	249,073.27 \$	214,439.79 \$	183,549.22 \$	164,738.90 S	166,403.47 \$	167,579.28	\$ 3	3,187,622.0
	nterest Rate thly Interest Period Interest Adjustment	Stip ESP L25 x L26	s	0.7066% 2,179.83 \$	0.7066% 2,401.90 \$	0.7066% 2,710.11 \$	0.7066% 2,681.91 \$	0.7066% 2,373.06 \$	0.7066% 2,080.82 \$	0.7066% 1,759.95 \$	0.7066% 1,515.23 \$	0.7066% 1,296.96 \$ 588.95 \$	0.7066% 1,164.05 \$ (593.11)	0.7066% 1,175.81 \$	0.7066% 1,184.12	s	22,523.7
	Interest	L27 + L28	S	2,179.83 \$	2,401.90 S	2,710.11 S	2,681.91 \$	2,373.06 \$	2,080.82 \$	1,759.95 \$	1,515.23 \$	1,885.91 \$	570.94 S	1,175.81 \$	1,184.12	š	22,519.5
	Principal & Interest Balances																
30 Monthly Pr	Principal & Interest	L22 + L29	\$	13,583.04 \$	49,495.97 \$	38,048.71 S	(46,059.27) \$	(41,666.01) \$	(41,345.47) \$	(49,795.05) \$	(19,716.63) \$	(41,693.82) \$	2,758.20 S	1,175.81 \$	1,184.12	\$	(134,030.4
32 Cumulativ	ve Principal Balance ve Interest Balance Cum Princ & Int	L22 + Prev L31 L29 + Prev L32 L31 + L32	(3,688,592.12) \$ 3 991 385.92 302,793.80 \$	(3,677,188.91) \$ 3 993 565.75 316,376.84 \$	(3,630,094.84) \$ 3 995 967.65 365,872.81 \$	(3,594,756.24) \$ 3 998 677.76 403,921.52 \$	4 001 359.67	4 003 732.73	(3,730,962.78) \$ 4 005 813.55 274,850.77 \$	4 007 573.50	4 009 088.73	4 010 974.64	(3,845,142.11) \$ 4 011 545.58 166,403.47 \$	(3,845,142.11) \$ 4 012 721.39 167,579.28 \$	(3,845,142.11) 4 013 905.51 168,763.40		

				Com		Reconcilable Alto	ernative Energy	ILLUMINATIN Resource Rider December 31, 20	(AER) - Deferri	ng Begins 9/1/20	09					
Line No.	Description	Source	Prior Yr Balance	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018	YTD 2018
	Revenues															
2 Prior Po	ider Revenue eriod AER Rev Adj	Sales Report	s	65,553.70 \$	6,106.01 \$	60,330.19 \$	97,064.70 S	97,034.23 \$	113,299.28 \$	87,022.10 \$	93,410.96 \$	86,642.41 S	74,042.22 \$	- s		830,505.8
3 To	stal AER Rider Rev	Sum (L1 L2)		65,553.70	6,106.01	60,330.19	97,064.70	97,034.23	113,299.28	87,022.10	93,410.96	86,642.41	74,042.22	-	-	830,505.8
CAT Ta	ax mount - AER Rider Rev	L3 x L4		0.2600% 170.44	0.2600% 145.88	0.2600% 156.86	0.2600% 252.37	0.2600% 252.29	0.2600% 294.58	0.2600% 226.26	0.2600% 242.87	0.2600% 225.27	0.2600% 192.51	0.2600%	0.2600%	2,159.3
6 Total R	ievenues Excluding CAT	L3 - L5		65,383.26	55,960.13	60,173.33	96,812.33	96,781.94	113,004.70	86,795.84	93,168.09	86,417.14	73,849.71			828,346.4
	Costs]														
-	Renewable Energy Resource Costs	-														
7																
9																
1																
2 3 Total A	ER Costs Before Adjustments	Sum (L7 - L12)	_	78,490.03	84,288.47	81,263.37	77,825.09	77,825.10	77,825.09	79,212.48	88,665.98	65,500.03	83,783.29			794,678.9
	Prior Period Cost Adjustments	_														
14 15 16 17 18																
20 Total Pr	rior Period Cost Adjustments	Sum (L14 - L19)		-	-	-	-	-	-	-		-	-	-		
21 To	stal AER Costs After Adj	L13 L20	\$	78,490.03 \$	84,288.47 S	81,263.37 S	77,825.09 \$	77,825.10 S	77,825.09 \$	79,212.48 \$	88,665.98 \$	65,500.03 S	83,783.29 \$	- \$		794,678.9
2 AER M	fonthly Principal Bal	L21 - L6	s	13,106.77 \$	28,328.34 S	21,090.04 S	(18,987.24) S	(18,956.84) \$	(35,179.61) \$	(7,583.36) \$	(4,502.11) \$	(20,917.11) \$	9,933.58 S	- s	- :	(33,667.5
	Calculate Interest															
	bject to Int Prior Period Adj.	L22/2 Prev L33	s	61,402.43 \$	82,553.85 S	107,846.37 \$	109,659.81 \$	91,462.63 \$	65,040.67 \$	44,118.77 \$	38,387.77 \$	25,949.41 \$	20,641.01 \$	25,753.65 \$	25,935.63	698,752.0
!4 Prior Po !5 Bal. Sul	eriod Int Adj bject to Int	L23 L24	S	61,402.43 \$	82,553.85 S	107,846.37 S	109,659.81 S	91,462.63 S	65,040.67 \$	44,118.77 \$	38,387.77 \$	25,949.41 S	20,641.01 S	25,753.65 S	25,935.63	698,752.0
	y Interest Rate onthly Interest	Stip ESP L25 x L26	s	0.7066% 433.87 \$	0.7066% 583.33 S	0.7066% 762.04 S	0.7066% 774.86 S	0.7066% 646.27 S	0.7066% 459.58 S	0.7066% 311.74 \$	0.7066% 271.25 \$	0.7066% 183.36 S	0.7066% 145.85 S	0.7066% 181.98 S	0.7066% 183.26	4.937.3
8 Pri	ior Period Interest Adjustment stal Interest	L27 L28		433.87 S	583.33 S	762.04 S	774.86 S	646.27 S	459.58 S	311.74 S	271.25 \$	183.36 S	145.85 S	181.98 S	183.26	4937.3
	Principal & Interest Balances	7	-	433.07	30.33	702.04	774.00 3	040.27	433.30 \$	311.74	2/1.27	100.00	140.00	101.50	103.20	4,313
0 Monthly	y Principal & Interest	L22 L29	s	13,540.64 \$	28,911.67 \$	21,852.08 S	(18,212.38) \$	(18,310.57) \$	(34,720.03) \$	(7,271.62) \$	(4,230.86) \$	(20,733.75) \$	10,079.43 \$	181.98 \$	183.26	(28,730.1
	tive Principal Balance	L22 Prev L31	(3,397,152.25) \$		(3,355,717.14) \$	(3,334,627.10) \$	(3,353,614.34) \$	(3,372,571.18) \$	(3,407,750.79) \$	(3,415,334.15) \$	(3,419,836.26) \$	(3,440,753.37) \$	(3,430,819.79) \$	(3,430,819.79) \$	(3,430,819.79)	
32 Cumula	stive Interest Balance stal Cum Princ & Int	L29 Prev L32 L31 L32	3,452,001.29 54,849.04 S	3,452,435.16 68,389,68 \$	3,453,018.49 97,301.35 S	3,453,780.53 119,153.43 S	3,454,555.39 100,941.05 S	3,455,201.66 82,630.48 S	3,455,661.24 47,910.45 \$	3,455,972.98 40,638.83 \$	3,456,244.23 36,407.97 \$	3,456,427.59 15,674.22 S	3,456,573.44 25,753.65 S	3,456,755.42 25,935.63 S	3,4 6,938.68 26,118.89	

				Comp	ate Quarterly R	teconcilable A	HE TOLEDO I Iternative Ener r the Year End	gy Resource R	ider (AER) - De	eferring Begins	9/1/2009						
Line No.	Description	Source	Prior Yr Balance	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018		YTD 1018
[Revenues	I															
	AER Rider Revenue	Sales Report		\$ 55,640.63 \$	49,373.02 \$	53,793.36 S	64,288.27 S	62,312.71 S	70,248.74 S	67,937.70 \$	64,079.53 \$	55,880.99 \$	66,541.75			s	610,096.7
3	Prior Period AER Rev Adj Total AER Rider Rev	Sum (L1 + L2)		55,640.63	49,373.02	53,793.36	64,288.27	62,312.71	70,248.74	67,937.70	64,079.53	55,880.99	66,541.75				610,096.7
	CAT Tax CAT Amount - AER Rider Rev	L3 x L4		0.2600% 144.67	0.2600% 128.37	0.2600% 139.86	0.2600% 167.15	0.2600% 162.01	0.2600% 182.65	0.2600% 176.64	0.2600% 166.61	0.2600% 145.29	0.2600% 173.01	0.2600%	0.2600%		1,586.
6	Total Revenues Excluding CAT	L3 - L5		55,495.96	49,244.65	53,653.50	64,121.12	62,150.70	70,066.09	67,761.06	63,912.92	55,735.70	66,368.74		-		608,510.4
1	Costs	コ															
7 8 9	Renewable Energy Resource Costs	=															
11 12 13	Total AER Costs Before Adjustments	Sum (L7 - L12)		53,561.19	58,149.74	55,647.03	53,107.48	53,107.48	53,107.48	54,054.22	60,505.25	44,696.91	57,173.32				543,110.1
	Prior Period Cost Adjustments		-														
14 15 16 17 18																	
20	Total Prior Period Cost Adjustments	Sum (L14 - L19)	=		-												
21	Total AER Costs After Adj	L13 + L20	=	\$ 53,561.19 \$	58,149.74 \$	55,647.03 \$	53,107.48 S	53,107.48 \$	53,107.48 \$	54,054.22 S	60,505.25 \$	44,696.91 \$	57,173.32 \$	- \$			543,110.1
22	AER Monthly Principal Bal	L21 - L6		\$ (1,934.77) \$	8,905.09 \$	1,993.53 S	(11,013.64) \$	(9,043.22) \$	(16,958.61) \$	(13,706.84) \$	(3,407.67) \$	(11,038.79) \$	(9,195.42) \$	- S	-	\$	(65,400.)
Į	Calculate Interest																
24	Bal. Subject to Int Prior Period Adj. Prior Period Int Adj	L22/2 + Prev L33		\$ 155,602.32 \$	160,186.97 \$	166,768.16 S	163,436.48 S	154,562.89 S	142,654.12 S	128,329.38 S	120,678.91 \$	114,308.40 \$	104,998.99 \$	101,143.20 \$	101,857.88		1,614,527.6
	Bal. Subject to Int	L23 + L24		\$ 155,602.32 \$	160,186.97 \$	166,768.16 \$	163,436.48 \$	154,562.89 \$	142,654.12 S	128,329.38 \$	120,678.91 \$	114,308.40 S	104,998.99 \$	101,143.20 \$	101,857.88	\$ 1,	1,614,527.6
26 27 28	Monthly Interest Rate Monthly Interest	Stip ESP L25 x L26		0.7066% \$ 1,099.49 \$	0.7066% 1,131.88 \$	0.7066% 1,178.38 \$	0.7066% 1,154.84 \$	0.7066% 1,092.14 \$	0.7066% 1,007.99 \$	0.7066% 906.78 \$	0.7066% 852.72 \$	0.7066% 807.70 \$	0.7066% 741.92 \$	0.7066% 714.68 \$	0.7066% 719.73	s	11,408.2
28 29	Prior Period Interest Adjustment Total Interest	L27 + L28	=	\$ 1,099.49 \$	1,131.88 \$	1,178.38 S	1,154.84 \$	1,092.14 \$	1,007.99 \$	906.78 \$	852.72 \$	807.70 \$	741.92 \$	714.68 \$	719.73	\$	11,408.2
[Principal & Interest Balances	I															
30	Monthly Principal & Interest	L22 + L29		\$ (835.28) \$	10,036.97 \$	3,171.91 \$	(9,858.80) \$	(7,951.08) \$	(15,950.62) \$	(12,800.06) \$	(2,554.95) \$	(10,231.09) \$	(8,453.50) \$	714.68 \$	719.73	S	(53,992.0
	Cumulative Principal Balance Cumulative Interest Balance Total Cum Princ & Int	L22 + Prev L31 L29 + Prev L32 L31 + L32	(1,382,837.46) 1,539,407.16 156 569.70	\$ (1,384,772.23) \$ 1,540,506.65 \$ 155 734.42 \$	(1,375,867.14) \$ 1,541,638.53 165 771.39 \$	(1,373,873.61) \$ 1,542,816.91 168 943.30 \$	(1,384,887.25) \$ 1,543,971.75 159 084.50 \$	(1,393,930.47) \$ 1,545,063.89 151 133.42 \$	(1,410,889.08) \$ 1,546,071.88 135 182.80 \$	(1,424,595.92) \$ 1,546,978.66 122 382.74 \$	(1,428,003.59) \$ 1,547,831.38 119 827.79 \$	(1,439,042.38) \$ 1,548,639.08 109.596.70 \$	(1,448,237.80) \$ 1,549,381.00 101 143.20 \$	(1,448,237.80) \$ 1,550,095.68 101.857.88 \$	(1,448,237.80) 1,550,815.41 102 577.61		

ESTIMATED AER REVENUE

	Α	В	С	D	E
			Q4 AER		
	Nov-18	Dec-18	¢/kWh	Nov-18	Dec-18
1 OE			0.0505	\$ 155,520	\$ 188,240
2 CEI			0.0527	\$ 80,491	\$ 105,776
3 TE			0.0785	\$ 60,030	\$ 70,902

 $\label{eq:notes} \frac{\text{NOTES}}{\text{Columns (A) and (B) totals tie to the total forecasted Non Shopped kWh from Page 10}} \\ \text{Column (D) = Column (A) * Column (C) / 100} \\ \text{Column (E) = Column (B) * Column (C) / 100} \\ \\ \text{Column (B) = Column (B) * Column (C) / 100} \\ \text{Column (B) = Column (B) * Column (C) / 100} \\ \text{Column (B) = Column (B) * Column (C) / 100}} \\ \text{Column (B) = Column (B) * Column (C) / 100} \\ \text{Column (B) = Column (B) * Column (C) / 100}} \\ \text{Column (B) = Column (B) * Column (C) / 100}} \\ \text{Column (B) = Column (B) * Column (B) *$

Estimated AER Expense

		Α		В		С		D		E		F		G		н		1	J		K		L
	OE	Estimated REC	CE	El Estimated	TE	Estimated REC	O	E Estimated	CEI	Estimated RFP	TE	Estimated	OE	Estimated	CE	I Estimated	TE	Estimated	OE Estimated	CF	I Estimated	TE	Estimated
		Expense	R	EC Expense		Expense	R	FP Expense		Expense	RI	FP Expense	Aud	dit Expense	Au	dit Expense	Au	dit Expense	Total Expense	To	tal Expense	To	tal Expense
2018.Nov	\$	131,975.11	\$	75,498.64	\$	51,519.92	\$	-	\$	-	\$	-	\$	5,745.09	\$	3,286.58	\$	2,242.74	\$ 137,720.20	\$	78,785.22	\$	53,762.66
2018.Dec	\$	131,975.11	\$	75,498.64	\$	51,519.92	\$	11,720.08	\$	6,704.68	\$	4,575.24	\$	-	\$	-	\$	-	\$ 143,695.19	\$	82,203.32	\$	56,095.16
2019.Jan	\$	131,975.11	\$	75,498.64	\$	51,519.92	\$	11,720.08	\$	6,704.68	\$	4,575.24	\$	-	\$	-	\$	-	\$ 143,695.19	\$	82,203.32	\$	56,095.16
2019.Feb	\$	131,975.11	\$	75,498.64	\$	51,519.92	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 131,975.11	\$	75,498.64	\$	51,519.92
2019 Mar	Ś	131 975 11	Ś	75 498 64	Ś	51 519 92	Ś	_	\$	_	Ś	_	Ś	_	Ś	_	Ś	_	\$ 131 975 11	Ś	75 498 64	Ś	51 519 92

NOTES

Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support Estimated Audit Expenses includes auditor fees and external legal fees

Column J = Column A + Column D + Column G Column K = Column B + Column E + Column H Column L = Column C + Column F + Column I

Forecasted Nonshopping Sales

		A	В	С	D	Е	F
		Re	etail Sales Level (kWh)	Retail	Sales Level (M	Wh)
Line No	. Year.Month	OE01 kWh	CE01 kWh	TE01 kWh	OE01 MWh	CE01 MWh	TE01 MWh
1	2018.Nov						
2	2018.Dec						
3	2019.Jan						
4	2019.Feb						
5	2019.Mar						
6	Sum of January 2019-March 2019						

Source: Forecast as of November 2018

RIDER AER

2019 Q2 (Recovery from April 2019 through June 2019)

	Apr 2019 - Jun
	2019 Rate
	(¢/kWh)
	(B)
Overall	0.0627
Overall	0.0621
Overall	0.0483
	Overall

NOTES

Column (B) Overall rate source, Pages 2-4, Column C, Line 1

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

-		(A)		(B)	(C)	(υ)	(E)	(F)		(6)	(H)
Line No	. OE										
1	AER				\$ 0.000627	0.26%				0.7066%	
1	Month	MWh	Bog	inning Balance	Revenues	Revenues, Net	Prior Period	Additional REC	Г	Interest	Ending Balance
1	WORL	1919011	Deg	mining balance	Revenues	of CAT	Interest Adj	Expense		interest	Lituing balance
2	Jan-19	3	\$	127,704.85	\$ 203,383.74	\$202,854.94	-	\$ 153,379.02	\$	727.56	\$ 78,956.49
3	Feb-19		\$	78,956.49	\$ 172,231.67	\$171,783.87	-	\$ 174,297.69	\$	566.79	\$ 82,037.10
4	Mar-19		\$	82,037.10	\$ 164,352.28	\$163,924.96	-	\$ 150,167.88	\$	531.07	\$ 68,811.09
5	Apr-19		\$	68,811.09	\$ 168,436.99	\$167,999.06	-	\$ 150,167.88	\$	423.22	\$ 51,403.13
6	May-19		\$	51,403.13	\$ 165,417.14	\$164,987.05	-	\$ 150,167.88	\$	310.86	\$ 36,894.82
7	Jun-19		\$	36,894.82	\$ 187,680.55	\$187,192.59	-	\$ 150,167.88	\$	129.89	\$ -

NOTES

Column (C), Line 1: Rate (\$ / kWh) to be charged from April 2019 through June 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of June 30, 2019.

Column (B), Line 2: Page 5, Line 33 for December 2018 Balance

Column (C), Line 2: Page 5, Line 3 for January 2019

Column (F), Line 2: Page 5, Line 21 for January 2019

Column (A) = Forecasted nonshopping MWh from Page 10, Column D

Column (B) = Column (H), Previous Row

Column (C) = (A)*(C)1*1000 except February and March 2019 see page 8, Line 1, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 5, Line 28 for January 2019

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are

estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column J

Column (G) = (B+(F-D)/2)*(G Line 1)+E

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

		(A)		(B)	(C)		(D)	(E)		(F)	(G)		(H)
ı	CEI												1
1	AER				\$ 0.000621		0.26%				0.7066%		
- [Month	MWh	Pogin	nning Balance	Revenues	Rev	enues, Net of	Prior Period	Ad	dditional REC	Interest	Em	ding Balance
L	MOUTH	IVIVVI	begin	ining balance	Revenues		CAT	Interest Adj		Expense	interest	En	aing balance
2	Jan-19		\$	14,326.71	\$ 74,343.07	\$	74,149.78	-	\$	84,027.74	\$136.13	\$	24,340.80
3	Feb-19		\$	24,340.80	\$ 71,605.40	\$	71,419.22	-	\$	95,488.02	\$257.03	\$	48,666.62
4	Mar-19		\$	48,666.62	\$ 71,358.41	\$	71,172.88	-	\$	82,268.64	\$383.08	\$	60,145.46
5	Apr-19		\$	60,145.46	\$ 101,501.76	\$	101,237.85	-	\$	82,268.64	\$357.97	\$	41,534.22
6	May-19		\$	41,534.22	\$ 97,200.35	\$	96,947.63	-	\$	82,268.64	\$241.62	\$	27,096.85
7	Jun-19		\$	27,096.85	\$ 109,746.22	\$	109,460.88	-	\$	82,268.64	\$95.40	\$	-

NOTES

Column (C), Line 1: Rate (\$ / kWh) to be charged from April 2019 through June 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of June 30, 2019.

Column (B), Line 2: Page 6, Line 33 for December 2018 Balance

Column (C), Line 2: Page 6, Line 3 for January 2019

Column (F), Line 2: Page 6, Line 21 for January 2019

Column (A) = Forecasted nonshopping MWh from Page 10, Column E

Column (B) = (H), Previous Row

Column (C) = (A)*(C)1*1000 except February and March 2019 see page 8, Line 2, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 6, Line 28 for January 2019

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column K

Column (G) = (B+(F-D)/2)*(G Line 1)+E

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

		(A)		(B)	(C)	(D)	(E)		(F)	(G)		(H)
ı	TE											Š
1	AER		~		\$ 0.000483	0.26%				0.7066%		
- [Month	MWh	Pag	inning Balance	Revenues	Revenues, Net of	Prior Period	A	dditional REC	Interest	Emi	ling Balance
ı	MOUTH	IVIVVII	Deg	inning balance	Revenues	CAT	Interest Adj		Expense	interest	EIIC	ing balance
2	Jan-19	100	\$	78,635.54	\$ 105,540.96	\$105,266.55	-	\$	47,124.20	\$ 350.22	\$	20,843.41
3	Feb-19		\$	20,843.41	\$ 79,145.58	\$78,939.81	-	\$	53,551.34	\$ 57.58	\$	(4,487.48)
4	Mar-19		\$	(4,487.48)	\$ 74,826.23	\$74,631.68	-	\$	46,137.68	\$ (132.38)	\$	(33,113.86)
5	Apr-19		\$	(33,113.86)	\$ 33,576.47	\$33,489.17	-	\$	46,137.68	\$ (189.30)	\$	(20,654.64)
6	May-19		\$	(20,654.64)	\$ 32,605.18	\$32,520.41	-	\$	46,137.68	\$ (97.84)	\$	(7,135.21)
7	Jun-19		\$	(7,135.21)	\$ 39,078.96	\$38,977.35	-	\$	46,137.68	\$ (25.12)	\$	-

Notes

Column (C), Line 1: Rate (\$ / kWh) to be charged from April 2019 through June 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of June 30, 2019.

Column (B), Line 2: Page 7, Line 33 for December 2018 Balance

Column (C), Line 2: Page 7, Line 3 for January 2019

Column (F), Line 2: Page 7, Line 21 for January 2019

Column (A) = Forecasted nonshopping MWh from Page 10, Column F

Column (B) = (H), Previous Row

Column (C) = (A)*(C)1*1000 except February and March 2019 see page 8, Line 3, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 7, Line 28 for January 2019

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column L

Column (G) = (B+(F-D)/2)*(G Line 1)+E

			Compute (Quarterly Rec	oncilable Alter	native Energy	ON COMPAN' Resource Rider December 31, 2	r (AER) - Defei	rring Begins 9/	1/2009						
ine lo. Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019		YTD 2019
Revenues																
1 AER Rider Revenue	Sales Report	s	203,383.74													203,383.7
2 Prior Period AER Rev Adj 3 Total AER Rider Rev	Sum (L1 + L2)	S	- \$ 203,383.74	- S	- S	- S	- S	- S	- S	- S	- S	- S	- S	-		203,383.7
4 CAT Tax 5 CAT Amount - AER Rider Rev	L3 x L4		0.2600% 528.80	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%		528.8
6 Total Revenues Excluding CAT	L3 - L5		202,854.94	-	-	-		-	-	-	-	-		-		202,854.9
Costs																
Renewable Energy Resource Co	osts															
0 0 1 1 2 3 Total AER Costs Before Adjustments Prior Period Cost Adjustment	Sum (L7 - L12)	=	153,379.02			<u>.</u>	-		<u>.</u>			-		<u> </u>		153,379.0
4 5 6 7 8 9 0 Total Prior Period Cost Adjustments	Sum (L14 - L19)	\$	- s	- S	- S	- \$	- S	- s	- \$	- \$	- S	- S	- S		<u> </u>	
1 Total AER Costs After Adj	L13 + L20	S	153 379.02 \$	- S	- S	- S	- S	- S	- S	- S	- S	- S	- S		\$	153 379.
2 AER Monthly Principal Bal	L21 - L6	s	(49,475.92) \$	- S	- s	- s	- S	- s	- s	- s	- s	- S	- s		s	(49,475.9
Calculate Interest																
3 Bal. Subject to Int Prior Period Adj.	L22/2 + Prev L33	s	102,966.89 \$	78,956.49 \$	79,514.40 S	80,076.25 \$	80,642.07 \$	81,211.89 \$	81,785.73 \$	82,363.63 \$	82,945.61 \$	83,531.70 \$	84,121.93 \$	84,716.34	s	1,002,832.9
4 Prior Period Int Adj 5 Bal. Subject to Int	L23 + L24	\$	102,966.89 \$	78,956.49 S	79,514.40 S	80,076.25 \$	80,642.07 S	81,211.89 S	81,785.73 \$	82,363.63 \$	82,945.61 \$	83,531.70 S	84,121.93 \$	84,716.34	\$	1,002,832.9
6 Monthly Interest Rate 7 Monthly Interest	Stip ESP L25 x L26	s	0.7066% 727.56 \$	0.7066% 557.91 S	0.7066% 561.85 \$	0.7066% 565.82 \$	0.7066% 569.82 \$	0.7066% 573.84 \$	0.7066% 577.90 \$	0.7066% 581.98 \$	0.7066% 586.09 \$	0.7066% 590.23 \$	0.7066% 594.41 \$	0.7066% 598.61	s	7,086.0
8 Prior Period Interest Adjustment 9 Total Interest	L27 + L28	S	727.56 \$	557.91 S	561.85 \$	565.82 \$	569.82 S	573.84 \$	577.90 \$	581.98 \$	586.09 \$	590.23 S	594.41 S	598.61	S S	7,086.
Principal & Interest Balance	5															
0 Monthly Principal & Interest	L22 + L29	S	(48,748.36) \$	557.91 S	561.85 S	565.82 \$	569.82 \$	573.84 \$	577.90 \$	581.98 \$	586.09 \$	590.23 \$	594.41 S	598.61	s	(42,389.5
Cumulative Principal Balance	L22 + Prev L31	(3.885.951.25) \$	(3 035 427 17) \$	(3 935 427 17) \$	(3,935,427.17) S	(3 035 427 17) \$	(3,935,427.17) S	(3,935,427.17) S	(3 935 427 17) \$	(2.025.427.17) \$	(2.025.427.17) \$	(3,935,427.17) S	(3.935.427.17) S	(3.935.427.17)		

Case No. 10 1644 EL DDD

				Com			ernative Energy		(AER) - Deferri	ing Begins 9/1/20	109					
Line No.	Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	YTD 2019
	Revenues]														
1 AER 2 Prior	Rider Revenue Period AER Rev Adj	Sales Report	s	74,343.07									s	- s	s	74,343.01
	Total AER Rider Rev	Sum (L1 L2)		74,343.07												74,343.07
4 CAT 5 CAT	Tax Amount - AER Rider Rev	L3 x L4		0.2600% 193.29	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	193.25
6 Total	Revenues Excluding CAT	L3 - L5		74,149.78												74,149.78
	Costs]														
7 8 9 10 11	Renewable Energy Resource Costs	-														
13 Total	AER Costs Before Adjustments	Sum (L7 - L12)	=	84,027.74					-		-		-			84,027.74
14 15 16	Prior Period Cost Adjustments	=														
18 19 20 Total	Prior Period Cost Adjustments	Sum (L14 - L19)	_													
	Total AER Costs After Adj	L13 L20	-	84.027.74 S	· s							- 2				84,027.74
	Monthly Principal Bal	L21 - L6	<u> </u>	9,877.96 \$	- s	- s	- s	- s	- s	- s	- s	- s	- s	- s	. s	9,877.96
	Calculate Interest	1														
	Subject to Int Prior Period Adj. Period Int Adj	L22/2 Prev L33	s	19,265.69 \$	24,340.80 S	24,512.79 \$	24,686.00 S	24,860.43 S	25,036.09 \$	25,213.00 \$	25,391.16 \$	25,570.57 S	25,751.25 \$	25,933.21 \$	26,116.45 \$	296,677.44
25 Bal. 5	Subject to Int	L23 L24	S	19,265.69 \$	24,340.80 S	24,512.79 S	24,686.00 S	24,860.43 S	25,036.09 \$	25,213.00 \$	25,391.16 \$	25,570.57 S	25,751.25 \$	25,933.21 S	26,116.45 S	296,677.44
27	thly Interest Rate Monthly Interest Prior Period Interest Adjustment	Stip ESP L25 x L26	s	0.7066% 136.13 \$	0.7066% 171.99 \$	0.7066% 173.21 \$	0.7066% 174.43 \$	0.7066% 175.66 \$	0.7066% 176.91 \$	0.7066% 178.16 \$	0.7066% 179.41 \$	0.7066% 180.68 \$	0.7066% 181.96 \$	0.7066% 183.24 \$	0.7066% 184.54 \$	2,096.32
	Total Interest	L27 L28	S	136.13 \$	171.99 \$	173.21 \$	174.43 S	175.66 S	176.91 \$	178.16 \$	179.41 \$	180.68 S	181.96 \$	183.24 S	184.54 S	2 096.32
	Principal & Interest Balances]														
30 Mont	thly Principal & Interest	L22 L29	s	10,014.09 \$	171.99 \$	173.21 \$	174.43 \$	175.66 \$	176.91 \$	178.16 \$	179.41 \$	180.68 S	181.96 \$	183.24 \$	184.54 \$	11,974.28
32 Cum	ulative Principal Balance ulative Interest Balance Total Cum Princ & Int	L22 Prev L31 L29 Prev L32 L31 L32	(3,442,536.16) \$ 3,456,862.87 14,326.71 \$	(3,432,658.20) \$ 3,456,999.00 24,340.80 \$	(3,432,658.20) \$ 3,457,170.99 24,512.79 \$	(3,432,658.20) \$ 3,457,344.20 24,686.00 \$	(3,432,658.20) \$ 3,457,518.63 24,860.43 \$	(3,432,658.20) \$ 3,457,694.29 25,036.09 \$	(3,432,658.20) \$ 3,457,871.20 25,213.00 \$	(3,432,658.20) \$ 3,458,049.36 25,391.16 \$	(3,432,658.20) \$ 3,458,228.77 25,570.57 \$	(3,432,658.20) \$ 3,458,409.45 25,751.25 \$	(3,432,658.20) \$ 3,458.591.41 25,933.21 \$	(3,432,658.20) \$ 3,458,774.65 26,116.45 \$	(3,432,658.20) 3,4 8,959.19 26,300.99	

				Сотр	ute Quarterly l	Reconcilable A	HE TOLEDO E Iternative Ener r the Year Ende	gy Resource R	ider (AER) - De	ferring Begins 9	/1/2009					
ine vo.	Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	YTD 2019
	Revenues															
AER Rider R		Sales Report	s	105,540.96												\$ 105,540.9
	ER Rider Rev	Sum (L1 L2)		105,540.96												105,540.9
CAT Tax CAT Amoun	t - AER Rider Rev	L3 x L4		0.2600% 274.41	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	274.4
Total Revenu	nes Excluding CAT	L3 - L5		105,266.55										-		105,266.5
	Costs															
R	enewable Energy Resource Costs	_														
7 8 9 0 1																
	Costs Before Adjustments Prior Period Cost Adjustments	Sum (L7 - L12)	=	47 124.20												47 124.2
4 5 6 7 8																
	eriod Cost Adjustments	Sum (L14 - L19)	=												-	
I Total Al	ER Costs After Adj	L13 L20	\$	47,124.20 \$	- \$	- \$	- S	- S	- S	- S	- S	- S	- S	- S	-	\$ 47,124.2
AER Monthl	ly Principal Bal	L21 - L6	S	(58,142.35) \$	- S	- S	- S	- S	- s	- S	- S	- S	- S	- S		\$ (58,142.3
	Calculate Interest															
Bal. Subject t Prior Period	to Int Prior Period Adj. Int Adj	L22/2 Prev L33	s	49,564.37 \$	20,843.41 \$	20,990.69 \$	21,139.01 \$	21,288.38 \$	21,438.80 \$	21,590.29 \$	21,742.85 \$	21,896.48 \$	22,051.20 \$	22,207.01 \$	22,363.92	\$ 287,116.4
Bal. Subject t		L23 L24	\$		20,843.41 \$	20,990.69 \$	21,139.01 \$	21,288.38 \$	21,438.80 \$	21,590.29 \$	21,742.85 \$	21,896.48 \$	22,051.20 \$	22,207.01 \$		\$ 287,116.4
	y Interest	Stip ESP L25 x L26	s	0.7066% 350.22 \$	0.7066% 147.28 \$	0.7066% 148.32 \$	0.7066% 149.37 \$	0.7066% 150.42 \$	0.7066% 151.49 \$	0.7066% 152.56 \$	0.7066% 153.63 \$	0.7066% 154.72 \$	0.7066% 155.81 \$	0.7066% 156.91 \$	0.7066% 158.02	\$ 2,028.7
Prior Pe Total In	eriod Interest Adjustment terest	L27 L28	\$	350.22 \$	147.28 \$	148.32 \$	149.37 \$	150.42 \$	151.49 \$	152.56 \$	153.63 \$	154.72 \$	155.81 \$	156.91 \$	158.02	\$ - \$ 2,028.7
	Principal & Interest Balances															
Monthly Prin	cipal & Interest	L22 L29	s	(57,792.13) \$	147.28 \$	148.32 \$	149.37 \$	150.42 \$	151.49 \$	152.56 \$	153.63 \$	154.72 \$	155.81 \$	156.91 \$	158.02	\$ (56,113.6
Cumulative Is	Principal Balance interest Balance um Princ & Int	L22 Prev L31 L29 Prev L32 L31 L32	(1,471,985.44) \$ 1 550 620.98 78,635.54 \$	(1,530,127.79) \$ 1 550 971.20 20,843.41 \$	(1,530,127.79) \$ 1 551 118.48 20,990.69 \$	(1,530,127.79) \$ 1 551 266.80 21,139.01 \$	(1,530,127.79) \$ 1 551 416.17 21,288.38 \$	(1,530,127.79) \$ 1 551 566.59 21,438.80 \$	(1,530,127.79) \$ 1 551 718.08 21,590.29 \$	(1,530,127.79) \$ 1 551 870.64 21,742.85 \$	(1,530,127.79) \$ 1 552 024.27 21,896.48 \$	(1,530,127.79) \$ 1 552 178.99 22,051.20 \$	(1,530,127.79) \$ 1 552 334.80 22,207.01 \$	(1,530,127.79) \$ 1 552 491.71 22,363.92 \$	(1,530,127.79) 1 552 649.73 22,521.94	

ESTIMATED AER REVENUE

	Α	В	С	D	E
			Q1 AER		
	Feb-19	Mar-19	¢/kWh	Feb-19	Mar-19
1 OE			0.0490	\$ 172,232	\$ 164,352
2 CEI			0.0365	\$ 71,605	\$ 71,358
3 TE			0.0883	\$ 79,146	\$ 74,826

 $\label{eq:notes} \frac{\text{NOTES}}{\text{Columns (A) and (B) totals tie to the total forecasted Non Shopped kWh from Page 10}} \\ \text{Column (D) = Column (A) * Column (C) / 100} \\ \text{Column (E) = Column (B) * Column (C) / 100} \\ \\ \text{Column (B) = Column (B) * Column (C) / 100} \\ \text{Column (B) = Column (B) * Column (C) / 100} \\ \text{Column (B) = Column (B) * Column (C) / 100}} \\ \text{Column (B) = Column (B) * Column (C) / 100} \\ \text{Column (B) = Column (B) * Column (C) / 100}} \\ \text{Column (B) = Column (B) * Column (C) / 100}} \\ \text{Column (B) = Column (B) * Column (B) *$

Estimated AER Expense

		Α		В		С		D		E		F		G		Н		1	J			K		L
	OE	Estimated REC	CE	El Estimated	TE	Estimated REC	OI	Estimated	CEI	Estimated RFP	TI	E Estimated	OE	Estimated	CEI	Estimated	TE	Estimated	OE Estim	ated	CEI	Estimated	TE	Estimated
		Expense	R	EC Expense		Expense	RI	FP Expense		Expense	R	FP Expense	Aud	it Expense	Auc	dit Expense	Aud	dit Expense	Total Exp	ense	Tot	al Expense	To	tal Expense
2019.Feb	\$	150,167.88	\$	82,268.64	\$	46,137.68	\$	24,129.81	\$	13,219.38	\$	7,413.66	\$	-	\$	-	\$	-	\$ 174,29	7.69	\$	95,488.02	\$	53,551.34
2019.Mar	\$	150,167.88	\$	82,268.64	\$	46,137.68	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 150,16	7.88	\$	82,268.64	\$	46,137.68
2019.Apr	\$	150,167.88	\$	82,268.64	\$	46,137.68	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 150,16	7.88	\$	82,268.64	\$	46,137.68
2019.May	\$	150,167.88	\$	82,268.64	\$	46,137.68	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 150,16	7.88	\$	82,268.64	\$	46,137.68
2019 lun	Ś	150 167 88	Ś	82 268 64	\$	46 137 68	Ś	_	Ś	_	Ś	_	Ś	_	Ś	_	Ś	_	\$ 150 16	7 88	\$	82 268 64	Ś	46 137 68

NOTES

Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support Estimated Audit Expenses includes auditor fees and external legal fees Column J = Column A + Column D + Column G

Column J = Column A + Column D + Column G Column K = Column B + Column E + Column H Column L = Column C + Column F + Column I

Forecasted Nonshopping Sales

		A	В	С	D	Е	F
		R€	etail Sales Level (kWh	1)	Retail	Sales Level (M	Wh)
Line No	. Year.Month	OE01 kWh	CE01 kWh	TE01 kWh	OE01 MWh	CE01 MWh	TE01 MWh
1	2019.Feb						
2	2019.Mar						
3	2019.Apr						
4	2019.May						
5	2019.Jun						
6	Sum of April 2019-June 2019						

Source: Forecast as of February 2019

RIDER AER

2019 Q3 (Recovery from July 2019 through September 2019)

		Jul 2019 - Sep
Company		2019 Rate
		(¢/kWh)
(A)		(B)
OE	Overall	0.0553
CEI	Overall	0.0551
TE	Overall	0.0463

NOTES

Column (B) Overall rate source, Pages 2-4, Column C, Line 1

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

		(A	١)		(B)	(C)	(D)	(E)		(F)		(G)	(H)
Line	No. OE												
1	AER					\$ 0.000553	0.26%					0.7066%	
ı	Mont	h MV	Vh.	Regin	ning Balance	Revenues	Revenues, Net	Prior Period	Г	Additional REC	Г	Interest	Ending Balance
1	Wioni	" ""	VII	Degiii	ining balance	Revenues	of CAT	Interest Adj		Expense		interest	criding balance
2	Apr-1	9		\$	67,048.36	\$ 140,451.97	\$140,086.79	_	\$	169,632.25	\$	578.15	\$ 97,171.97
3	May-	L9		\$	97,171.97	\$ 165,367.60	\$164,937.65	-	\$	153,961.97	\$	647.84	\$ 86,844.13
4	Jun-1	9		\$	86,844.13	\$ 187,624.35	\$187,136.53	-	\$	153,961.97	\$	496.43	\$ 54,166.01
5	Jul-1	9		\$	54,166.01	\$ 188,139.27	\$187,650.10	_	\$	153,961.97	\$	263.72	\$ 20,741.60
6	Aug-1	.9		\$	20,741.60	\$ 182,030.74	\$181,557.46	-	\$	153,961.97	\$	49.07	\$ (6,804.82)
7	Sep-1	9		\$	(6,804.82)	\$ 147,516.74	\$147,133.20	-	\$	153,961.97	\$	(23.96)	\$ -

NOTES

Column (C), Line 1: Rate (\$ / kWh) to be charged from July 2019 through September 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of September 30, 2019.

Column (B), Line 2: Page 5, Line 33 for March 2019 Balance

Column (C), Line 2: Page 5, Line 3 for April 2019

Column (F), Line 2: Page 5, Line 21 for April 2019

Column (A) = Forecasted nonshopping MWh from Page 10, Column D

Column (B) = Column (H), Previous Row

Column (C) = (A)*(C)1*1000 except May and June 2019 see page 8, Line 1, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 5, Line 28 for April 2019

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are

estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column J

Column (G) = (B+(F-D)/2)*(G Line 1)+E

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

		(A) (B)		(B)	(C)			(D)	(E)		(F)	(G)		(H)
	CEI												_	
1	AER		2002		\$	0.000551		0.26%				0.7066%		
	Month	MWh	Bogii	nning Balance		Revenues	Rev	enues, Net of	Prior Period	Ac	lditional REC	Interest	En	ding Balance
	MOULT	IVIVVI	begii	ining balance		Revenues		CAT	Interest Adj		Expense	interest	Enc	aing balance
2	Apr-19		\$	58,018.48	\$	67,151.14	\$	66,976.55	-	\$	92,932.08	\$501.66	\$	84,475.67
3	May-19		\$	84,475.67	\$	97,162.61	\$	96,909.99	-	\$	84,347.21	\$552.52	\$	72,465.41
4	Jun-19		\$	72,465.41	\$	109,703.61	\$	109,418.38	-	\$	84,347.21	\$423.46	\$	47,817.70
5	Ju l-1 9		\$	47,817.70	\$	108,571.56	\$	108,289.28	-	\$	84,347.21	\$253.29	\$	24,128.92
6	Aug-19		\$	24,128.92	\$	105,200.11	\$	104,926.59	-	\$	84,347.21	\$97.79	\$	3,647.33
7	Sep-19		\$	3,647.33	\$	88,236.80	\$	88,007.38	-	\$	84,347.21	\$12.84	\$	-

NOTES

Column (C), Line 1: Rate (\$ / kWh) to be charged from July 2019 through September 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of September 30, 2019.

Column (B), Line 2: Page 6, Line 33 for March 2019 Balance

Column (C), Line 2: Page 6, Line 3 for April 2019

Column (F), Line 2: Page 6, Line 21 for April 2019

Column (A) = Forecasted nonshopping MWh from Page 10, Column E

Column (B) = (H), Previous Row

Column (C) = (A)*(C)1*1000 except May and June 2019 see page 8, Line 2, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 6, Line 28 for April 2019

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column K

Column (G) = (B+(F-D)/2)*(G Line 1)+E

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

		(A)		(B)	(C)	(D)	(E)		(F)	(G)		(H)
I	TE											j
1	AER				\$ 0.000463	0.26%				0.7066%		
- [Month	MWh	Rogi	nning Balance	Revenues	Revenues, Net of	Prior Period	Ad	lditional REC	Interest	End	ling Balance
L	WORL	IVIVVII	Begi	nining balance	Revenues	CAT	Interest Adj		Expense	interest	End	ing balance
2	Apr-19	±.*	\$	(37,033.14)	\$ 59,508.44	\$59,353.72	-	\$	52,117.93	\$ (287.24)	\$	(44,556.17)
3	May-19		\$	(44,556.17)	\$ 32,575.69	\$32,490.99	-	\$	47,303.38	\$ (262.50)	\$	(30,006.28)
4	Jun-19		\$	(30,006.28)	\$ 39,043.61	\$38,942.09	-	\$	47,303.38	\$ (182.48)	\$	(21,827.47)
5	Jul-19		\$	(21,827.47)	\$ 45,318.79	\$45,200.97	-	\$	47,303.38	\$ (146.81)	\$	(19,871.87)
6	Aug-19		\$	(19,871.87)	\$ 41,808.62	\$41,699.92	-	\$	47,303.38	\$ (120.62)	\$	(14,389.03)
7	Sep-19		\$	(14,389.03)	\$ 32,949.36	\$32,863.69	-	\$	47,303.38	\$ (50.66)	\$	-

Notes

Column (C), Line 1: Rate (\$ / kWh) to be charged from July 2019 through September 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of September 30, 2019.

Column (B), Line 2: Page 7, Line 33 for March 2019 Balance

Column (C), Line 2: Page 7, Line 3 for April 2019

Column (F), Line 2: Page 7, Line 21 for April 2019

Column (A) = Forecasted nonshopping MWh from Page 10, Column F

Column (B) = (H), Previous Row

Column (C) = (A)*(C)1*1000 except May and June 2019 see page 8, Line 3, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 7, Line 28 for April 2019

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column L

Column (G) = (B+(F-D)/2)*(G Line 1)+E

				Compute (Quarterly Reco	oncilable Alter	native Energy	ON COMPAN Resource Ride December 31, 2	r (AER) - Defei	rring Begins 9/	1/2009						
Line No.	Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019		YTD 2019
	Revenues																
1 AER Ric		Sales Report	S	203,383.74 \$	166,294.68 S												710,168.3
3 Tota	riod AER Rev Adj al AER Rider Rev	Sum (L1 + L2)	S	- \$ 203,383.74	- S 166,294.68	- S 200,037.95	140,451.97	- s	- s	- s	- \$	- s	- s	- S	-	_	710,168.3
4 CAT Ta: 5 CAT An	x nount - AER Rider Rev	L3 x L4		0.2600% 528.80	0.2600% 432.37	0.2600% 520.10	0.2600% 365.18	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%		1,846.4
6 Total Re	venues Excluding CAT	L3 - L5		202,854.94	165,862.31	199,517.85	140,086.79	-		-	-	-	-	-	-		708,321.8
	Costs Renewable Energy Resource Costs																
7 8 9 10	5	_															
12 13 Total AF	ER Costs Before Adjustments	Sum (L7 - L12)		153,379.02	184,945.19	167,159.04	169,632.25						-		-		675,115.5
	Prior Period Cost Adjustments	-															
14 15 16 17 18																	
	ior Period Cost Adjustments	Sum (L14 - L19)	S	- S	- S	- S	- S	- S	- S	- S	- S	- S	- S	- S		_	-
21 Tota	al AER Costs After Adj	L13 + L20	S	153 379.02 \$	184 945.19 S	167 159.04 S	169 632.25 \$	- S	- \$	- \$	- \$	- \$	- S	- S	-	\$	675 115.5
22 AER Mo	onthly Principal Bal	L21 - L6	s	(49,475.92) \$	19,082.88 S	(32,358.81) S	29,545.46 \$	- s	- s	- s	- s	- s	- s	- s		s	(33,206.3
	Calculate Interest																
23 Bal. Sub	ject to Int Prior Period Adj.	L22/2 + Prev L33	s	102,966.89 \$	88,497.93 S	82,643.80 S	81,821.09 \$	97,171.97 \$	97,858.59 S	98,550.06 \$	99,246.41 \$	99,947.69 \$	100,653.92 S	101,365.14 \$	102,081.39	s	1,152,804.8
24 Prior Per25 Bal. Sub		L23 + L24	S	102,966.89 \$	88,497.93 \$	82,643.80 S	81,821.09 \$	97,171.97 \$	97,858.59 \$	98,550.06 \$	99,246.41 \$	99,947.69 \$	100,653.92 \$	101,365.14 \$	102,081.39	S	1,152,804.8
	nthly Interest	Stip ESP L25 x L26	s	0.7066% 727.56 \$	0.7066% 625.33 \$	0.7066% 583.96 \$	0.7066% 578.15 \$	0.7066% 686.62 \$	0.7066% 691.47 \$	0.7066% 696.35 \$	0.7066% 701.28 \$	0.7066% 706.23 \$	0.7066% 711.22 \$	0.7066% 716.25 \$	0.7066% 721.31	s	8,145.7
	w Period Interest Adjustment al Interest	L27 + L28	S	727.56 \$	158.51 783.84 S	583.96 \$	578.15 \$	686.62 \$	691.47 \$	696.35 \$	701.28 \$	706.23 \$	711.22 \$	716.25 \$	721.31	\$	158.5 8,304.2
	Principal & Interest Balances]															
30 Monthly	Principal & Interest	L22 + L29	s	(48,748.36) \$	19,866.72 S	(31,774.85) S	30,123.61 \$	686.62 \$	691.47 \$	696.35 \$	701.28 \$	706.23 \$	711.22 \$	716.25 \$	721.31	\$	(24,902.1
32 Cumulat	ive Principal Balance ive Interest Balance al Cum Princ & Int	L22 + Prev L31 L29 + Prev L32 L31 + L32	(3,885,951.25) \$ 4 013 656.10 127,704.85 \$	(3,935,427.17) \$ 4 014 383.66 78,956.49 \$	(3,916,344.29) \$ 4 015 167.50 98,823.21 \$	4 015 751.46	4 016 329.61	4 017 016.23	(3,919,157.64) \$ 4 017 707.70 98,550.06 \$	(3,919,157.64) \$ 4 018 404.05 99,246.41 \$	(3,919,157.64) \$ 4 019 105.33 99,947.69 \$	4 019 811.56	(3,919,157.64) \$ 4 020 522.78 101,365.14 \$	(3,919,157.64) \$ 4 021 239.03 102,081.39 \$	(3,919,157.64) 4 021 960.34 102,802.70		

				Com		Reconcilable Alt	ernative Energy	Resource Rider December 31, 2	(AER) - Deferr	ing Begins 9/1/20	109					
Line No.	Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	YTD 2019
	Revenues]														
1 AER	Rider Revenue Period AER Rev Adj	Sales Report	s	74,343.07 \$	64,417.01 S	96,707.95 \$	67,151.14							- s	s	302,619.17
	Total AER Rider Rev	Sum (L1 L2)		74,343.07	64,417.01	96,707.95	67,151.14									302,619.17
4 CAT 5 CAT	Tax Amount - AER Rider Rev	L3 x L4		0.2600% 193.29	0.2600% 167.48	0.2600% 251.44	0.2600% 174.59	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	786.80
6 Total	Revenues Excluding CAT	L3 - L5		74,149.78	64,249.53	96,456.51	66,976.55	-	-	-	•		-	-		301,832.37
	Costs]														
7 8 9 10 11	Renewable Energy Resource Costs															
13 Total	AER Costs Before Adjustments	Sum (L7 - L12)	=	84,027.74	101,861.57	91,702.83	92,932.08								-	370,524.22
14 15 16 17 18																
	Prior Period Cost Adjustments	Sum (L14 - L19)														
21	Total AER Costs After Adj	L13 L20	S	84,027.74 \$	101,861.57 S	91,702.83 \$	92,932.08 S	- \$	- \$	- \$. \$	- S	- \$	- \$	- 5	370,524.22
22 AER	Monthly Principal Bal	L21 - L6	s	9,877.96 \$	37,612.04 S	(4,753.68) S	25,955.53 S	- \$	- \$	- \$	- \$	- S	- S	- s	- S	68,691.85
	Calculate Interest															
	Subject to Int Prior Period Adj. Period Int Adj	L22/2 Prev L33	S	19,265.69 \$	43,146.82 S	59,971.56 \$	70,996.25 S	84,475.67 S	85,072.58 \$	85,673.70 \$	86,279.07 \$	86,888.72 S	87,502.68 S	88,120.97 S	88,743.63 S	886,137.34
25 Bal. 5	Subject to Int	L23 L24	S	19,265.69 \$	43,146.82 S	59,971.56 S	70,996.25 S	84,475.67 \$	85,072.58 \$	85,673.70 \$	86,279.07 \$	86,888.72 S	87,502.68 S	88,120.97 S	88,743.63 S	886,137.34
27	thly Interest Rate Monthly Interest	Stip ESP L25 x L26	s	0.7066% 136.13 \$	0.7066% 304.88 S	0.7066% 423.76 \$	0.7066% 501.66 \$	0.7066% 596.91 \$	0.7066% 601.12 \$	0.7066% 605.37 \$	0.7066% 609.65 \$	0.7066% 613.96 \$	0.7066% 618.29 \$	0.7066% 622.66 \$	0.7066% 627.06 \$	6,261.45
	Prior Period Interest Adjustment Total Interest	L27 L28	8	136.13 \$	90.68 395.56 \$	423.76 S	501.66 S	596.91 \$	601.12 \$	605.37 \$	609.65 \$	613.96 \$	618.29 \$	622.66 S	627.06 S	90.68 6.352.13
	Principal & Interest Balances]														
30 Mont	thly Principal & Interest	L22 L29	s	10,014.09 \$	38,007.60 S	(4,329.92) S	26,457.19 S	596.91 S	601.12 \$	605.37 \$	609.65 \$	613.96 \$	618.29 \$	622.66 S	627.06 S	75,043.98
32 Cum	ulative Principal Balance ulative Interest Balance Total Cum Princ & Int	L22 Prev L31 L29 Prev L32 L31 L32	(3,442,536.16) \$ 3,456,862.87 14,326.71 \$	(3,432,658.20) \$ 3,456,999.00 24,340.80 \$	(3,395,046.16) \$ 3,457,394.56 62,348.40 \$	(3,399,799.84) \$ 3,457,818.32 58,018.48 \$	(3,373,844.31) \$ 3,458,319.98 84,475.67 \$	(3,373,844.31) \$ 3,4 8,916.89 85,072.58 \$	(3,373,844.31) \$ 3,459,518.01 85,673.70 \$	(3,373,844.31) \$ 3,460,123.38 86,279.07 \$	(3,373,844.31) \$ 3,460,733.03 86,888.72 \$	(3,373,844.31) \$ 3,461,346.99 87,502.68 \$	(3,373,844.31) \$ 3,461,965.28 88,120.97 \$	(3,373,844.31) \$ 3,462,587.94 88,743.63 \$	(3,373,844.31) 3,463,215.00 89,370.69	

			Сотр	ute Quarterly I	Reconcilable A	HE TOLEDO I Iternative Ener r the Year End	gy Resource R	ider (AER) - De	ferring Begins 9	/1/2009					
ne o. Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	YTD 2019
Revenues															
AER Rider Revenue Prior Period AER Rev Adj	Sales Report	s	105,540.96 \$	98,078.60 \$	70,508.17 \$	59,508.44									\$ 333,636.1
Total AER Rider Rev	Sum (L1 L2)		105,540.96	98,078.60	70,508.17	59,508.44									333,636.1
CAT Tax CAT Amount - AER Rider Rev	L3 x L4		0.2600% 274.41	0.2600% 255.00	0.2600% 183.32	0.2600% 154.72	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	867.4
Total Revenues Excluding CAT	L3 - L5		105,266.55	97,823.60	70,324.85	59,353.72								-	332,768.7
Costs															
Renewable Energy Resource Costs															
1															
2 3 Total AER Costs Before Adjustments	Sum (L7 - L12)	_	47 124.20	58 679.60	51 716.01	52 117.93									209 637.7
Prior Period Cost Adjustments															
4 5 6															
5 7 8															
Total Prior Period Cost Adjustments	Sum (L14 - L19)	=												-	
Total AER Costs After Adj	L13 L20	S	47,124.20 \$	58,679.60 \$	51,716.01 \$	52,117.93 \$	- S	- \$	- \$	- \$	- S	- S	- S		\$ 209,637.7
2 AER Monthly Principal Bal	L21 - L6	s	(58,142.35) \$	(39,144.00) \$	(18,608.84) S	(7,235.79) \$	- \$	- \$	- s	- s	- s	- s	- s	-	\$ (123,130.9
Calculate Interest															
Bal. Subject to Int Prior Period Adj. Prior Period Int Adj	L22/2 Prev L33	s	49,564.37 \$	1,271.41 \$	(27,534.16) \$	(40,651.03) \$	(44,556.17) \$	(44,871.00) \$	(45,188.06) \$	(45,507.36) \$	(45,828.92) \$	(46,152.75) \$	(46,478.87) \$	(46,807.29)	\$ (382,739.8
5 Bal. Subject to Int	L23 L24	\$	49,564.37 \$	1,271.41 \$	(27,534.16) \$	(40,651.03) \$	(44,556.17) \$	(44,871.00) \$	(45,188.06) \$	(45,507.36) \$	(45,828.92) \$	(46,152.75) \$	(46,478.87) \$	(46,807.29)	\$ (382,739.8
Monthly Interest Rate Monthly Interest	Stip ESP L25 x L26	s	0.7066% 350.22 \$	0.7066% 8.98 \$	0.7066% (194.56) \$	0.7066% (287.24) \$	0.7066% (314.83) \$	0.7066% (317.06) \$	0.7066% (319.30) \$	0.7066% (321.56) \$	0.7066% (323.83) \$	0.7066% (326.12) \$	0.7066% (328.42) \$	0.7066% (330.74)	\$ (2,704.4
8 Prior Period Interest Adjustment 9 Total Interest	L27 L28	\$	350.22 \$	61.87 70.85 \$	(194.56) \$	(287.24) S	(314.83) \$	(317.06) \$	(319.30) \$	(321.56) \$	(323.83) \$	(326.12) \$	(328.42) \$	(330.74)	\$ 61.8 \$ (2,642.5
Principal & Interest Balances															
Monthly Principal & Interest	L22 L29	s	(57,792.13) \$	(39,073.15) \$	(18,803.40) \$	(7,523.03) \$	(314.83) \$	(317.06) \$	(319.30) \$	(321.56) \$	(323.83) \$	(326.12) \$	(328.42) \$	(330.74)	\$ (125,773.5
Cumulative Principal Balance Cumulative Interest Balance	L22 Prev L31 L29 Prev L32	(1,471,985.44) \$ 1 550 620.98	(1,530,127.79) \$ 1 550 971.20	(1,569,271.79) \$ 1 551 042.05	(1,587,880.63) \$ 1 550 847.49	(1,595,116.42) \$ 1 550 560.25	(1,595,116.42) \$ 1 550 245.42	(1,595,116.42) \$ 1 549 928.36	(1,595,116.42) \$ 1 549 609.06	(1,595,116.42) \$ 1 549 287.50	(1,595,116.42) \$ 1 548 963.67	(1,595,116.42) \$ 1 548 637.55	(1,595,116.42) \$ 1 548 309.13	(1,595,116.42) 1 547 978.39	
3 Total Cum Princ & Int	L31 L32	78,635.54 \$	20,843.41 S	(18,229.74) \$	(37,033.14) \$	(44,556.17) \$	(44,871.00) \$	(45,188.06) \$	(45,507.36) \$	(45,828.92) \$	(46,152.75) \$	(46,478.87) \$	(46,807.29) \$	(47,138.03)	

ESTIMATED AER REVENUE

	Α	В	С		D	E
			Q2 AER			
	May-19	Jun-19	¢/kWh	- 1	May-19	Jun-19
1 OE			0.0627	\$	165,368	\$ 187,624
2 CEI			0.0621	\$	97,163	\$ 109,704
3 TE			0.0483	\$	32,576	\$ 39,044

 $\label{eq:notes} \frac{\text{NOTES}}{\text{Columns (A) and (B) totals tie to the total forecasted Non Shopped kWh from Page 10}} \\ \text{Column (D) = Column (A) * Column (C) / 100} \\ \text{Column (E) = Column (B) * Column (C) / 100} \\ \\ \text{Column (B) = Column (B) * Column (C) / 100} \\ \text{Column (B) = Column (B) * Column (C) / 100} \\ \text{Column (B) = Column (B) * Column (C) / 100}} \\ \text{Column (B) = Column (B) * Column (C) / 100} \\ \text{Column (B) = Column (B) * Column (C) / 100}} \\ \text{Column (B) = Column (B) * Column (C) / 100}} \\ \text{Column (B) = Column (B) * Column (B) *$

Estimated AER Expense

		Α		В		С		D		E		F		G		Н		I	J		K		L
	OE	Estimated REC	CE	El Estimated	TE	Estimated REC	OE E	stimated	CEI	Estimated RFP	TE E	stimated	OE E	stimated	CEI E	stimated	TE Est	imated	OE Estimated	CE	I Estimated	TE	Estimated
		Expense	R	EC Expense		Expense	RFP	Expense		Expense	RFP	Expense	Audit	t Expense	Audit	Expense	Audit	Expense	Total Expense	То	tal Expense	To	tal Expense
2019.May	\$	153,961.97	\$	84,347.21	\$	47,303.38	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 153,961.97	\$	84,347.21	\$	47,303.38
2019.Jun	\$	153,961.97	\$	84,347.21	\$	47,303.38	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 153,961.97	\$	84,347.21	\$	47,303.38
2019.Jul	\$	153,961.97	\$	84,347.21	\$	47,303.38	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 153,961.97	\$	84,347.21	\$	47,303.38
2019.Aug	\$	153,961.97	\$	84,347.21	\$	47,303.38	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 153,961.97	\$	84,347.21	\$	47,303.38
2019 Sen	Ś	153 961 97	Ś	84 347 21	Ś	47 303 38	Ś	_	Ś	_	Ś	_	Ś	_	\$	_	Ś	_	\$ 153 961 97	Ś	84 347 21	Ś	47 303 38

NOTES

Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support Estimated Audit Expenses includes auditor fees and external legal fees Column J = Column A + Column D + Column G

Column J = Column A + Column D + Column G
Column K = Column B + Column E + Column H
Column L = Column C + Column F + Column I

Forecasted Nonshopping Sales

		Α	В	С	D	E	F
		R	etail Sales Level (kW	h)	Retail	Sales Level (M	Wh)
Line No	. Year.Month	OE01 kWh	CE01 kWh	TE01 kWh	OE01 MWh	CE01 MWh	TE01 MWh
1	2019.May						
2	2019.Jun						
3	2019.Jul						
4	2019.Aug						
5	2019.Sep						
6	Sum of July 2019-September 2019						

Source: Forecast as of May 2019

RIDER AER

2019 Q4 (Recovery from October 2019 through December 2019)

	•	Oct 2019 - Dec
Company		2019 Rate
		(¢/kWh)
(A)		(B)
OE	Overall	0.0591
CEI	Overall	0.0586
TE	Overall	0.0715

NOTES

Column (B) Overall rate source, Pages 2-4, Column C, Line 1

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

		(A)		(B)	(C)	(D)	(E)	(F)		(G)	(H)
Line No.	OE										
1	AER				\$ 0.000591	0.26%				0.7066%	
	Month	MWh	Rogi	nning Balance	Revenues	Revenues, Net	Prior Period	Additional REC	Г	Interest	Ending Balance
	WIOTILIT	1010011	Degi	mining balance	Revenues	of CAT	Interest Adj	Expense		interest	Lituing balance
2	Jul-19		\$	137,044.99	\$ 218,199.32	\$217,632.00	-	\$ 142,580.22	\$	703.20	\$ 62,696.41
3	Aug-19		\$	62,696.41	\$ 182,143.97	\$181,670.40	-	\$ 160,028.45	\$	366.55	\$ 41,421.01
4	Sep-19		\$	41,421.01	\$ 147,608.50	\$147,224.72	-	\$ 160,028.45	\$	337.92	\$ 54,562.66
5	Oct-19		\$	54,562.66	\$ 156,647.43	\$156,240.14	-	\$ 160,028.45	\$	398.92	\$ 58,749.89
6	Nov-19		\$	58,749.89	\$ 177,363.16	\$176,902.02	-	\$ 160,028.45	\$	355.51	\$ 42,231.83
7	Dec-19		\$	42,231.83	\$ 215,367.26	\$214,807.31	-	\$ 172,426.80	\$	148.68	\$ -

NOTES

Column (C), Line 1: Rate (\$ / kWh) to be charged from October 2019 through December 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of December 31, 2019.

Column (B), Line 2: Page 5, Line 33 for June 2019 Balance

Column (C), Line 2: Page 5, Line 3 for July 2019

Column (F), Line 2: Page 5, Line 21 for July 2019

Column (A) = Forecasted nonshopping MWh from Page 10, Column D

Column (B) = Column (H), Previous Row

Column (C) = (A)*(C)1*1000 except August and September 2019 see page 8, Line 1, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 5, Line 28 for July 2019

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are

estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column J

Column (G) = (B+(F-D)/2)*(G Line 1)+E

Column (H) = (B-D+F+G)

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

		(A)		(B)	(C)	(D)		(E)		(F)	(G)		(H)
	CEI												
1	AER				\$ 0.000586		0.26%				0.7066%		
	Month	MWh	Bog	inning Balanco	Revenues	Rev	enues, Net of	Prior Period	Ac	dditional REC	Interest	En	ding Balance
	MOULT	IVIVII	S 110,869.81 S		Nevenues		CAT	Interest Adj		Expense	interest	Line	allig balance
2	Jul-19		\$	110,869.81	\$ 128,084.65	\$	127,751.63	-	\$	78,111.78	\$608.03	\$	61,837.99
3	Aug-19		\$	61,837.99	\$ 105,169.18	\$	104,895.74	-	\$	87,670.69	\$376.09	\$	44,989.03
4	Sep-19		\$	44,989.03	\$ 88,210.85	\$	87,981.50	-	\$	87,670.69	\$316.79	\$	44,995.02
5	Oct-19		\$	44,995.02	\$ 93,545.74	\$	93,302.52	-	\$	87,670.69	\$298.04	\$	39,661.23
6	Nov-19		\$	39,661.23	\$ 102,705.23	\$	102,438.20	-	\$	87,670.69	\$228.07	\$	25,121.80
7	Dec-19		\$	25,121.80	\$ 119,985.26	\$	119,673.30	-	\$	94,463.06	\$88.44	\$	-

NOTES

Column (C), Line 1: Rate (\$ / kWh) to be charged from October 2019 through December 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of December 31, 2019.

Column (B), Line 2: Page 6, Line 33 for June 2019 Balance

Column (C), Line 2: Page 6, Line 3 for July 2019

Column (F), Line 2: Page 6, Line 21 for July 2019

Column (A) = Forecasted nonshopping MWh from Page 10, Column E

Column (B) = (H), Previous Row

Column (C) = (A)*(C)1*1000 except August and September 2019 see page 8, Line 2, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 6, Line 28 for July 2019

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column K

Column (G) = (B+(F-D)/2)*(G Line 1)+E

Column (H) = (B-D+F+G)

ESTIMATED CUMULATIVE DEFERRAL BALANCE - RIDER AER

		(A)		(B)		(C)	(D)	(E)		(F)		(G)		(H)
ı	TE													
1	AER				\$	0.000715	0.26%					0.7066%		
- [Month	MWh	Rogic	nning Balance		Revenues	Revenues, Net of	Prior Period	Ac	lditional REC		Interest	Endi	ng Balance
ı	MOUCH	IVIVVII	Degii	ining balance		Revenues	CAT	Interest Adj		Expense		interest	Enai	ng balance
2	Jul-19	1,-	\$	2,839.53	\$	52,277.10	\$52,141.18	-	\$	43,806.44	\$	(9.38)	\$	(5,504.59)
3	Aug-19		\$	(5,504.59)	\$	41,801.13	\$41,692.45	-	\$	49,167.25	\$	(12.49)	\$	1,957.72
4	Sep-19		\$	1,957.72	\$	32,943.45	\$32,857.80	-	\$	49,167.25	\$	71.45	\$	18,338.62
5	Oct-19		\$	18,338.62	\$	48,994.96	\$48,867.57	-	\$	49,167.25	\$	130.64	\$	18,768.94
6	Nov-19		\$	18,768.94	\$	53,579.52	\$53,440.21	-	\$	49,167.25	\$	117.52	\$	14,613.50
7	Dec-19		Ś	14.613.50	Ś	67.817.80	\$67.641.47	_	Ś	52.976.53	Ś	51.45	Ś	_

Notes

Column (C), Line 1: Rate (\$ / kWh) to be charged from October 2019 through December 2019 so that all expenses are fully recovered within the quarter they are expected to be incurred and the Rider AER deferred balance is zero as of December 31, 2019.

Column (B), Line 2: Page 7, Line 33 for June 2019 Balance

Column (C), Line 2: Page 7, Line 3 for July 2019

Column (F), Line 2: Page 7, Line 21 for July 2019

Column (A) = Forecasted nonshopping MWh from Page 10, Column F

Column (B) = (H), Previous Row

Column (C) = $(A)^*(C)1^*1000$ except August and September 2019 see page 8, Line 3, Columns D and E

Column (D)=(C)*(1-(D)1)

Column (E) = Page 7, Line 28 for July 2019

Column (F) = Forecasted REC Expenses based on estimated obligations, current contracted purchases and estimated purchases for open positions. Also, included are estimates for RFP and Audit expenses. Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support. See Page 9, Column L

Column (G) = (B+(F-D)/2)*(G Line 1)+E

Column (H) = (B-D+F+G)

				Compute (Quarterly Reco	oncilable Alter	native Energy	ON COMPAN' Resource Rider December 31, 2	r (AER) - Defer	ring Begins 9/1	1/2009						
Line No.	Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	_	YTD 2019
	Revenues																
	er Revenue od AER Rev Adj I AER Rider Rev	Sales Report Sum (L1 + L2)	s s	203,383.74 \$ - \$ 203,383.74	166,294.68 \$ - \$ 166,294.68	200,037.95 \$ - \$ 200,037.95	140,451.97 \$ - \$ 140,451.97	161,965.58 \$ - \$ 161,965.58	187,909.62 \$ - \$ 187,909.62	218,199.32 - \$ 218,199.32	- s	- s	- s	- S	:		1,278,242.8
4 CAT Tax 5 CAT Amor	ount - AER Rider Rev	L3 x L4		0.2600% 528.80	0.2600% 432.37	0.2600% 520.10	0.2600% 365.18	0.2600% 421.11	0.2600% 488.57	0.2600% 567.32	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%		3,323.45
6 Total Reve	renues Excluding CAT	L3 - L5		202,854.94	165,862.31	199,517.85	140,086.79	161,544.47	187,421.05	217,632.00	-	-					1,274,919.4
7 8 9 10	Costs Renewable Energy Resource Costs	_															
12	R Costs Before Adjustments Prior Period Cost Adjustments	Sum (L7 - L12)	=	153,379.02	184,945.19	167,159.04	169,632.25	193,549.39	193,549.39	142,580.22	-	-	-	-			1,204,794.50
14 15 16 17 18																	
	or Period Cost Adjustments	Sum (L14 - L19)	S	- S	- s	- S	- S	- S	- S	- \$	- s	- s	- S	- S	-		
21 Total	AER Costs After Adj	L13 + L20	S	153 379.02 \$	184 945.19 S	167 159.04 S	169 632.25 \$	193 549.39 \$	193 549.39 S	142 580.22 \$	- \$	- s	- S	- \$		\$	1 204 794.5
22 AER Mont	athly Principal Bal	L21 - L6	s	(49,475.92) \$	19,082.88 \$	(32,358.81) \$	29,545.46 \$	32,004.92 \$	6,128.34 \$	(75,051.78) \$	- s	- s	- \$	- s	-	s	(70,124.9)
	Calculate Interest																
23 Bal. Subject 24 Prior Perio 25 Bal. Subject		L22/2 + Prev L33 L23 + L24	S .	102,966.89 \$ 102,966.89 \$	88,497.93 S 88,497.93 S		81,821.09 \$ - 81,821.09 \$	113,174.43 \$ 	133,040.75 \$ - 133,040.75 \$	99,519.10 \$ - 99,519.10 \$	62,696.41 \$ 62,696.41 \$	63,139.42 \$ 63,139.42 \$		64,034.86 S 	64,487.33		1,019,607.5
26 Monthly In 27 Month 28 Prior I		Stip ESP L25 x L26 L27 + L28	s <u>s</u>	0.7066% 727.56 \$ 727.56 \$	0.7066%	0.7066% 583.96 \$	0.7066% 578.15 \$	0.7066% 799.69 \$	0.7066% 940.07 \$	0.7066% 703.20 \$	0.7066% 443.01 \$	0.7066%	0.7066%	0.7066% 452.47 \$ 452.47 \$	0.7066% 455.67 455.67	s s s	7,204.5: 158.5 7,363.0
	Principal & Interest Balances																
30 Monthly Pr	Principal & Interest	L22 + L29	s	(48,748.36) \$	19,866.72 S	(31,774.85) \$	30,123.61 \$	32,804.61 S	7,068.41 S	(74,348.58) \$	443.01 \$	446.14 \$	449.30 S	452.47 \$	455.67	\$	(62,761.85
32 Cumulative	ve Principal Balance ve Interest Balance I Cum Princ & Int	L22 + Prev L31 L29 + Prev L32 L31 + L32	(3,885,951.25) \$ 4 013 656.10 127,704.85 \$	(3,935,427.17) \$ 4 014 383.66 78,956.49 \$	(3,916,344.29) \$ 4 015 167.50 98,823.21 \$	4 015 751.46	4 016 329.61	4 017 129.30	4 018 069.37	4 018 772.57	(3,956,076.16) \$ 4 019 215.58 63,139.42 \$	4 019 661.72	(3,956,076.16) \$ 4 020 111.02 64,034.86 \$	(3,956,076.16) \$ 4 020 563.49 64,487.33 \$	(3,956,076.16) 4 021 019.16 64,943.00		

				Com		THE CLEVELA! Reconcilable Alto For t	rnative Energy		(AER) - Deferri	ng Begins 9/1/20	09					
Line No.	Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	YTD 2019
	Revenues															
1 AER	t Rider Revenue r Period AER Rev Adj	Sales Report	s	74,343.07 \$	64,417.01 S	96,707.95 \$	67,151.14 S	91,432.28 S	96,122.73 \$	128,084.65				- s	s	618,258.83
	Total AER Rider Rev	Sum (L1 L2)		74,343.07	64,417.01	96,707.95	67,151.14	91,432.28	96,122.73	128,084.65					-	618,258.83
4 CAT 5 CAT	Tax Amount - AER Rider Rev	L3 x L4		0.2600% 193.29	0.2600% 167.48	0.2600% 251.44	0.2600% 174.59	0.2600% 237.72	0.2600% 249.92	0.2600% 333.02	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	1,607.46
6 Total	l Revenues Excluding CAT	L3 - L5		74,149.78	64,249.53	96,456.51	66,976.55	91,194.56	95,872.81	127,751.63			-			616,651.37
	Costs															
7 8 9 10 11	Renewable Energy Resource Costs															
	l AER Costs Before Adjustments	Sum (L7 - L12)	=	84,027.74	101,861.57	91,702.83	92,932.08	106,034.96	106,034.95	78,111.78						660,705.91
14 15 16 17 18																
	l Prior Period Cost Adjustments	Sum (L14 - L19)														
21	Total AER Costs After Adj	L13 L20	S	84,027.74 \$	101,861.57 S	91,702.83 S	92,932.08 S	106,034.96 \$	106,034.95 \$	78,111.78 \$. \$	- \$	- \$	- \$	- 5	660,705.91
22 AER	Monthly Principal Bal	L21 - L6	S	9,877.96 \$	37,612.04 \$	(4,753.68) S	25,955.53 \$	14,840.40 S	10,162.14 \$	(49,639.85) \$	- \$	- S	- S	- S	- S	44,054.54
	Calculate Interest															
	Subject to Int Prior Period Adj. r Period Int Adj	L22/2 Prev L33	S	19,265.69 \$	43,146.82 S	59,971.56 S	70,996.25 S	91,895.87 S	105,046.48 \$	86,049.88 \$	61,837.99 \$	62,274.94 S	62,714.97 \$	63,158.11 S	63,604.39 S	789,962.95
25 Bal. 5	Subject to Int	L23 L24	S	19,265.69 \$	43,146.82 S	59,971.56 \$	70,996.25 S	91,895.87 S	105,046.48 \$	86,049.88 \$	61,837.99 \$	62,274.94 S	62,714.97 \$	63,158.11 \$	63,604.39 S	789,962.95
27	thly Interest Rate Monthly Interest	Stip ESP L25 x L26	s	0.7066% 136.13 \$	0.7066% 304.88 S	0.7066% 423.76 S	0.7066% 501.66 \$	0.7066% 649.34 S	0.7066% 742.26 \$	0.7066% 608.03 \$	0.7066% 436.95 \$	0.7066% 440.03 S	0.7066% 443.14 \$	0.7066% 446.28 \$	0.7066% 449.43 S	5,581.89
	Prior Period Interest Adjustment Total Interest	L27 L28	S	136.13 \$	90.68 395.56 \$	423.76 \$	501.66 S	649.34 S	742.26 \$	608.03 S	436.95 \$	440.03 S	443.14 \$	446.28 S	449.43 S	90.68 5 672.57
	Principal & Interest Balances															
30 Mont	thly Principal & Interest	L22 L29	s	10,014.09 \$	38,007.60 S	(4,329.92) \$	26,457.19 S	15,489.74 \$	10,904.40 \$	(49,031.82) \$	436.95 \$	440.03 S	443.14 S	446.28 \$	449.43 S	49,727.11
32 Cum	nolative Principal Balance solative Interest Balance Total Cum Princ & Int	L22 Prev L31 L29 Prev L32 L31 L32	(3,442,536.16) \$ 3,456,862.87 14,326.71 \$	(3,432,658.20) \$ 3,456,999.00 24,340.80 \$	(3,395,046.16) \$ 3,457,394.56 62,348.40 \$	(3,399,799.84) \$ 3,457,818.32 58,018.48 \$	(3,373,844.31) \$ 3,458,319.98 84,475.67 \$	(3,359,003.91) \$ 3,4 8,969.32 99,965.41 \$	(3,348,841.77) \$ 3,459,711.58 110,869.81 \$	(3,398,481.62) \$ 3,460,319.61 61,837.99 \$	(3,398,481.62) \$ 3,460,756. 6 62,274.94 \$	(3,398,481.62) \$ 3,461,196.59 62,714.97 \$	(3,398,481.62) \$ 3,461,639.73 63,158.11 \$	(3,398,481.62) \$ 3,462,086.01 63,604.39 \$	(3,398,481.62) 3,462,535.44 64,053.82	

				Comp	ute Quarterly I	Reconcilable A			der (AER) - Dei	ferring Begins 9	/1/2009					
Line No.	Description	Source	Prior Yr Balance	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	YTD 2019
	Revenues]														
1 AER Ride 2 Prior Perio	r Revenue od AER Rev Adj	Sales Report	\$	105,540.96 \$	98,078.60 \$	70,508.17 \$	59,508.44 \$	32,512.88 \$	38,937.92 \$	52,277.10						\$ 457,364.0
	AER Rider Rev	Sum (L1 L2)		105,540.96	98,078.60	70,508.17	59,508.44	32,512.88	38,937.92	52,277.10						457,364.0
4 CAT Tax 5 CAT Amo	ount - AER Rider Rev	L3 x L4		0.2600% 274.41	0.2600% 255.00	0.2600% 183.32	0.2600% 154.72	0.2600% 84.53	0.2600% 101.24	0.2600% 135.92	0.2600%	0.2600%	0.2600%	0.2600%	0.2600%	1,189.1
6 Total Revo	enues Excluding CAT	L3 - L5		105,266.55	97,823.60	70,324.85	59,353.72	32,428.35	38,836.68	52,141.18			-		-	456,174.9
	Costs]														
-	Renewable Energy Resource Costs	-														
7 8 9																
10 11																
12 13 Total AER	R Costs Before Adjustments	Sum (L7 - L12)	=	47 124.20	58 679.60	51 716.01	52 117.93	59 466.25	59 466.24	43 806.44						372 376.6
	Prior Period Cost Adjustments	_														
14 15 16 17 18																
	r Period Cost Adjustments	Sum (L14 - L19)	_													
21 Total	AER Costs After Adj	L13 L20	\$	47,124.20 \$	58,679.60 \$	51,716.01 \$	52,117.93 \$	59,466.25 \$	59,466.24 \$	43,806.44 \$	- S	- \$	- \$	- S		\$ 372,376.6
22 AER Mon	thly Principal Bal	L21 - L6	\$	(58,142.35) \$	(39,144.00) \$	(18,608.84) \$	(7,235.79) \$	27,037.90 \$	20,629.56 \$	(8,334.74) \$	- S	- S	- S	- S		\$ (83,798.2
	Calculate Interest															
23 Bal. Subject 24 Prior Perio	ect to Int Prior Period Adj. od Int Adj	L22/2 Prev L33	s	49,564.37 \$	1,271.41 \$	(27,534.16) \$	(40,651.03) \$	(31,037.22) \$	(7,422.80) \$	(1,327.84) \$	(5,504.59) \$	(5,543.49) \$	(5,582.66) \$	(5,622.11) \$	(5,661.84)	\$ (85,051.9
25 Bal. Subje		L23 L24	\$		1,271.41 \$	(27,534.16) \$	(40,651.03) \$	(31,037.22) \$	(7,422.80) \$	(1,327.84) \$	(5,504.59) \$	(5,543.49) \$	(5,582.66) \$	(5,622.11) \$	(4,000101)	\$ (85,051.9
	nterest Rate fuly Interest Period Interest Adjustment	Stip ESP L25 x L26	s	0.7066% 350.22 \$	0.7066% 8.98 \$ 61.87	0.7066% (194.56) \$	0.7066% (287.24) \$	0.7066% (219.31) \$	0.7066% (52.45) \$	0.7066% (9.38) \$	0.7066% (38.90) \$	0.7066% (39.17) \$	0.7066% (39.45) \$	0.7066% (39.73) \$	0.7066% (40.01)	\$ (601.0 \$ 61.8
	Period Interest Adjustment Interest	L27 L28	\$	350.22 S	70.85 \$	(194.56) \$	(287.24) S	(219.31) \$	(52.45) \$	(9.38) \$	(38.90) \$	(39.17) \$	(39.45) \$	(39.73) \$	(40.01)	\$ 61.8 \$ (539.1
	Principal & Interest Balances)														
30 Monthly P	Principal & Interest	L22 L29	s	(57,792.13) \$	(39,073.15) \$	(18,803.40) \$	(7,523.03) \$	26,818.59 \$	20,577.11 \$	(8,344.12) \$	(38.90) \$	(39.17) \$	(39.45) \$	(39.73) \$	(40.01)	\$ (84,337.3
32 Cumulativ	e Principal Balance e Interest Balance Cum Princ & Int	L22 Prev L31 L29 Prev L32 L31 L32	(1,471,985.44) \$ 1 550 620.98 78,635.54 \$	(1,530,127.79) \$ 1 550 971.20 20,843.41 \$	(1,569,271.79) \$ 1 551 042.05 (18,229.74) \$	(1,587,880.63) \$ 1 550 847.49 (37,033.14) \$	(1,595,116.42) \$ 1 550 560.25 (44,556.17) \$	(1,568,078.52) \$ 1 550 340.94 (17,737.58) \$	(1,547,448.96) \$ 1 550 288.49 2,839.53 \$	(1,555,783.70) \$ 1 550 279.11 (5,504.59) \$	(1,555,783.70) \$ 1 550 240.21 (5,543.49) \$	(1,555,783.70) \$ 1 550 201.04 (5,582.66) \$	(1,555,783.70) \$ 1 550 161.59 (5,622.11) \$	(1,555,783.70) \$ 1 550 121.86 (5,661.84) \$	(1,555,783.70) 1 550 081.85 (5,701.85)	

ESTIMATED AER REVENUE

	Α	В	С	D	Е
			Q3 AER		
	Aug-19	Sep-19	¢/kWh	Aug-19	Sep-19
1 OE			0.0553	\$ 182,144	\$ 147,609
2 CEI			0.0551	\$ 105,169	\$ 88,211
3 TE			0.0463	\$ 41,801	\$ 32,943

 $\label{eq:notes} \frac{\text{NOTES}}{\text{Columns (A) and (B) totals tie to the total forecasted Non Shopped kWh from Page 10}} \\ \text{Column (D) = Column (A) * Column (C) / 100} \\ \text{Column (E) = Column (B) * Column (C) / 100} \\ \\$

Estimated AER Expense

		Α		В		С		D		E		F		G		Н		I	J		K		L
	OE	Estimated REC	CE	I Estimated	TE	Estimated REC	OI	E Estimated	CEI	Estimated RFP	TE	Estimated	OE	Estimated	CEI	Estimated	TEI	Estimated	OE Estimated	CE	I Estimated	TE	Estimated
		Expense	RI	EC Expense		Expense	RI	FP Expense		Expense	RF	FP Expense	Au	dit Expense	Aud	lit Expense	Aud	lit Expense	Total Expense	То	tal Expense	To	tal Expense
2019.Aug	\$	160,028.45	\$	87,670.69	\$	49,167.25	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 160,028.45	\$	87,670.69	\$	49,167.25
2019.Sep	\$	160,028.45	\$	87,670.69	\$	49,167.25	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 160,028.45	\$	87,670.69	\$	49,167.25
2019.Oct	\$	160,028.45	\$	87,670.69	\$	49,167.25	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 160,028.45	\$	87,670.69	\$	49,167.25
2019.Nov	\$	160,028.45	\$	87,670.69	\$	49,167.25	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ 160,028.45	\$	87,670.69	\$	49,167.25
2019.Dec	Ś	160.028.45	Ś	87.670.69	Ś	49.167.25	Ś	12.398.35	Ś	6.792.37	Ś	3.809.28	Ś	_	Ś	_	Ś	_	\$ 172,426,80	Ś	94.463.06	Ś	52.976.53

NOTES

Estimates provided by Regulated Commodity Sourcing, Legal and Rate Support Estimated Audit Expenses includes auditor fees and external legal fees Column J = Column A + Column D + Column G

Column J = Column A + Column D + Column G
Column K = Column B + Column E + Column H
Column L = Column C + Column F + Column I

Forecasted Nonshopping Sales

	- -						
		Α	В	С	D	E	
		Re	etail Sales Level (kW	h)	Retail	Sales Level (M	Wh
ine No. Year.Month	,	OE01 kWh	CE01 kWh	TE01 kWh	OE01 MWh	CE01 MWh	TE
1	2019.Aug						
2	2019.Sep						
3	2019.Oct						
4	2019.Nov						
5	2019.Dec						
6 Sum of Octobe	r 2019-December 2019						

barr or october 2015 Bedermber 2015

Source: Forecast as of August 2019

Cleveland, Ohio P.U.C.O. No. 13

38th Revised Page 1 of 1

Effective: January 1, 2019

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning January 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0365¢

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

38th Revised Page 1 of 1

Effective: January 1, 2019

Akron, Ohio P.U.C.O. No. 11

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning January 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0490¢

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

Effective: January 1, 2019

Toledo, Ohio P.U.C.O. No. 8 38th Revised Page 1 of 1

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning January 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0883¢

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

Cleveland, Ohio P.U.C.O. No. 13

39th Revised Page 1 of 1

Effective: April 1, 2019

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning April 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0621¢

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

Akron, Ohio P.U.C.O. No. 11

39th Revised Page 1 of 1

Effective: April 1, 2019

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning April 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0627¢

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

Toledo, Ohio P.U.C.O. No. 8

39th Revised Page 1 of 1

Effective: April 1, 2019

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning April 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0483¢

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

40th Revised Page 1 of 1

Effective: July 1, 2019

Cleveland, Ohio P.U.C.O. No. 13

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning July 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0551¢

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

The charges contained in this Rider shall be updated and reconciled on a quarterly basis. No later than December 1st, March 1st, June 1st and September 1st of each year, the Company will file with the PUCO a request for approval of the Rider charges which, unless otherwise ordered by the PUCO, shall become effective on a service rendered basis on January 1st, April 1st, July 1st and October 1st of each year, beginning October 1, 2016. This Rider is subject to reconciliation, including, but not limited to increases or refunds. Such reconciliation shall be based solely upon the results of audits ordered by the Commission in accordance with the July 18, 2012 Opinion and Order in Case No. 12-1230-EL-SSO, and the March 31, 2016 Opinion and Order in Case No. 14-1297-EL-SSO.

Case No. 18-1644-EL-RDR, before

Akron, Ohio P.U.C.O. No. 11

40th Revised Page 1 of 1

Effective: July 1, 2019

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning July 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0553ϕ

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

Toledo, Ohio P.U.C.O. No. 8

40th Revised Page 1 of 1

Effective: July 1, 2019

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning July 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0463¢

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

Cleveland, Ohio P.U.C.O. No. 13

41st Revised Page 1 of 1

Effective: October 1, 2019

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning October 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0586¢

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

Akron, Ohio P.U.C.O. No. 11

41st Revised Page 1 of 1

Effective: October 1, 2019

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning October 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0591¢

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

Toledo, Ohio P.U.C.O. No. 8

41st Revised Page 1 of 1

Effective: October 1, 2019

RIDER AER Alternative Energy Resource Rider

APPLICABILITY:

Applicable to any customer that takes electric service under the Company's rate schedules. The Alternative Energy Resource Rider (AER) is not applied to customers during the period the customer takes electric generation service from a certified supplier. The following charge will apply, for all rate schedules, effective for service rendered beginning October 1, 2019, for all kWhs per kWh:

RATE:

AER charge 0.0715¢

PROVISIONS:

The charges set forth in this Rider recover costs incurred by the Company associated with securing compliance with the alternative energy resource requirements in Section 4928.64, Revised Code. The costs recovered through this Rider will be all costs associated with securing compliance with the alternative energy resource requirements including, but not limited to, all Renewable Energy Credits costs, any reasonable costs of administering the request for proposal, and applicable carrying costs. This rider shall be in effect until all costs are fully recovered.

RIDER UPDATES:

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

2/28/2020 1:05:24 PM

in

Case No(s). 18-1644-EL-RDR

Summary: Report In Support of Staff's 2019 Annual Review of the Alternative Energy Resource Rider (Rider AER) electronically filed by Karen A Sweeney on behalf of The Cleveland Electric Illuminating Company and Ohio Edison Company and The Toledo Edison Company and Emily V Danford