

**BEFORE THE
PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Annual Alternative)	
Energy Status Report and Alternative)	
Energy Resource Plan of Ohio Edison)	Case No. 16-0788-EL-ACP
Company, The Cleveland Electric)	
Illuminating Company and The Toledo)	
Edison Company)	

**ANNUAL ALTERNATIVE ENERGY STATUS REPORT AND ALTERNATIVE
ENERGY RESOURCE PLAN OF OHIO EDISON COMPANY, THE CLEVELAND
ELECTRIC ILLUMINATING COMPANY AND THE TOLEDO EDISON COMPANY**

I. INTRODUCTION

Pursuant to Rule 4901:1-40-05 of the Ohio Administrative Code (“O.A.C.”), Ohio Edison Company (“Ohio Edison”), The Cleveland Electric Illuminating Company (“CEI”) and The Toledo Edison Company (“Toledo Edison”) (collectively, the “Companies”) submit their Annual Status Report (“Report”) for the period January 1, 2015 through December 31, 2015 (“Reporting Period”). This Report addresses the Companies’ 2015 baselines and benchmarks utilizing the methodology set forth in R.C. § 4928.643(A) and O.A.C. 4901:1-40 and the Companies’ compliance with the 2015 Renewable Energy Portfolio Standard Benchmarks (“2015 Benchmarks”) set forth in R.C. § 4928.64(B) as amended by S.B. 310 for the Reporting Period. The Companies are pleased to inform the Commission that they are in compliance with their statutory Non-Solar and Solar 2015 Benchmarks. As demonstrated below and in Exhibit A to this Report, the Companies met their 2015 Non-Solar and Solar Benchmarks by obtaining Non-Solar Renewable Energy Credits (“RECs”) and Solar Renewable Energy Credits (“SRECs”).

In addition, as requested by Staff, the Companies are filing in the same document, pursuant to Rule 4901:1-40-03(C), O.A.C. their Alternative Energy Resource Plan for

compliance with future annual advanced and renewable energy resource benchmarks for the period January 1, 2016 through December 31, 2025 (the “Plan”). This Plan is speculative in nature and is subject to change due to changes in statutory requirements for renewable energy resources and evolution of the alternative energy resource market.

II. ANNUAL STATUS REPORT

O.A.C. 4901:1-40-05(A) requires that each electric utility file “an annual alternative energy portfolio status report analyzing all activities undertaken in the previous calendar year to demonstrate how the applicable alternative energy portfolio benchmarks and planning requirements have or will be met.” O.A.C. 4901:1-40-05(A) also requires that the Commission Staff conduct an annual compliance review of the electric utility’s compliance with benchmarks under the alternative energy portfolio standard.

A. BASELINES

O.A.C. 4901:1-40-03(B) provides that an electric utility’s baseline for compliance with the alternative energy resource requirements shall be determined using the following methodology:

. . . the baseline shall be computed as an average of the three preceding calendar years of the total annual number of kilowatt-hours of electricity sold under its standard service offer to any and all retail electric customers whose electric load centers are served by that electric utility and are located within the electric utility's certified territory. The calculation of the baseline shall be based upon the average, annual, kilowatt-hour sales reported in that electric utility's three most recent forecast reports or reporting forms.

While R.C. § 4928.643(B) allows for an alternative option for establishing the baseline, the companies have elected to use the methodology contemplated by R.C. § 4928.643(A) and Rule 4901:1-40-03(B).

In compliance with Rule 4901:1-40-03(B) set forth above, the Companies calculated their total annual number of kilowatt-hours of electricity sold to their respective retail electric

customers under their standard service offer (“SSO”) for each of calendar years 2012, 2013, and 2014 utilizing their three most recent reporting forms (herein referred to respectively as, the “2012 Sales”, “2013 Sales” and “2014 Sales”)¹. The Companies then averaged their respective 2012 Sales, 2013 Sales and 2014 Sales to compute their respective 2015 baselines (“2015 Baseline”). The Companies did not make any adjustments to their 2015 Baselines.

The Companies’ respective 2015 Baselines, as defined in Section 4901:1-40-03(B)(2), and 2015 Benchmarks are shown on Exhibit A to this Report. The Companies’ 2015 Baselines total 10,653,483 MWh based on the average of the Companies’ total annual number of kilowatt-hours of electricity sold to their respective retail electric customers under their standard service offer for the prior three years (2012-14).²

B. BENCHMARKS

The Companies then calculated their respective 2015 Benchmarks in accordance with R.C. § 4928.64(B)(2) as amended by S.B. 310. By 2027, the Companies must provide twelve and one half (12.5) percent of their electricity from qualifying renewable energy resources. R.C. § 4928.64(B)(1). The law further requires that at least one-half (.5) percent of the twelve and one half (12.5) percent must be supplied from solar energy resources by 2027. R.C. §4928.64(B)(2). The law sets annual benchmarks for both renewable energy and solar energy. *Id.* For 2015, the Companies’ benchmark was to supply 2.50% of their electricity supply from renewable energy resources and 0.12% of their electricity supply from solar energy resources. *Id.*

¹ The actual kilowatt hours sold in each of 2012, 2013, and 2014 were reported on the SE -1 Monthly Historical Electricity Data, Part A.

² Ohio Edison’s 2015 Baseline is 5,372,286 MWh; CEI’s 2015 Baseline is 2,802,016 MWh; Toledo Edison’s 2015 Baseline is 2,479,181 MWh.

The Companies' 2015 Benchmarks are based on the renewable benchmark equal to 2.50% of their 2015 Baselines. Exhibit A to this Report depicts each company's baseline; the number of RECs and SRECs each company needed to obtain to meet its 2015 Benchmark; and the number of RECs and SRECs that each company actually obtained. Beginning in the 2014 compliance year, there is no longer a minimum in-state requirement.

1. 2015 Non-Solar Benchmarks

The Companies were able to meet one hundred (100) percent of their 2015 Non-Solar Benchmarks. The Companies were required to obtain 253,553 total Non-Solar RECs. These RECs were obtained through requests for proposals ("RFPs") conducted by the Companies.

2. 2015 Solar Benchmarks

The Companies' were able to meet one hundred (100) percent of their 2015 Solar benchmarks. The Companies were required to obtain 12,784 total SRECs. These SRECs were obtained through requests for proposals ("RFPs"), including long-term contracts, conducted by the Companies and through purchases made through the Residential REC Program.

III. ALTERNATIVE ENERGY RESOURCE PLAN

A. BASELINES AND BENCHMARKS FOR ALTERNATIVE ENERGY RESOURCE COMPLIANCE

Section 4901:1-40-03(B), OAC, provides that an electric utility's baseline for compliance with the alternative energy resource requirements shall be determined using the following methodology:

. . . the baseline shall be computed as an average of the three preceding calendar years of the total annual number of kilowatt-hours of electricity sold under its standard service offer to any and all retail electric customers whose electric load centers are served by that electric utility and are located within the electric utility's certified territory. The calculation of the baseline shall be based upon the average, annual, kilowatt-hour sales reported in that electric utility's three most recent forecast reports or reporting forms.

While R.C. § 4928.643(B) as allows for an alternative option for establishing the baseline, for purposes of the Plan, the Companies have elected to use the methodology in R.C. §4928.643(A) and Rule 4901:1-40-03(B). In compliance with Section 4901:1-40-03(B) set forth above, the Companies calculated their total annual number of kilowatt-hours of electricity sold to their respective retail electric customers under their standard service offer (“SSO”) for each of calendar years 2013, 2014, and 2015 utilizing their three most recent reporting forms (herein referred to respectively as, the “2013 Sales” “2014 Sales” and “2015 Sales”).³ The Companies then averaged their respective 2013 Sales, 2014 Sales and 2015 Sales to compute their respective 2016 baselines (“2016 Baselines”). The Companies did not make any adjustments to the 2016 Baselines. *See Exhibit B.*

The Companies’ baselines, for the purpose of this Plan, for 2017 forward are calculated using 2014 Sales and 2015 Sales (when applicable to formulate an average of the three preceding calendar years), and a projected amount of sales for calendar years 2016 forward, in each case to formulate an average of the three preceding calendar years (“Projected Sales”). The Companies then averaged their respective Projected Sales to compute their respective 2016-2025 baselines (“2016-2025 Baselines”).⁴ The Companies’ forecast years do reflect shopping levels that may occur. *See Exhibit B.* The Companies then calculated their respective renewable energy resources and solar energy resources benchmarks in accordance with R.C. § 4928.64 as amended by S.B. 310. *See Exhibit B.*

³ The actual kilowatt hours sold in each of 2013, 2014, and 2015 were reported on the SE-1 Reporting Forms.

⁴ The Companies’ baselines for calendar years 2016-2025 will be updated to reflect actual sales when such information becomes available, and shall be reported in the Companies’ applicable Annual Status Report and Compliance Review.

B. SUPPLY PORTFOLIO PROJECTION

The Companies plan to supply the generation associated with the above baselines in accordance with standard service offer procurement plans (“SSO Procurement Plans”).⁵ These quantities represent the energy that the suppliers of the SSO will be obligated to supply through applicable supplier master agreements associated with the SSO Procurement Plans.

C. METHODOLOGY USED TO EVALUATE COMPLIANCE OPTIONS

Given that the Companies do not own alternative energy resource facilities, the Companies’ methodology or process for assessing compliance options was to evaluate a variety of potential options. Such options included banking and purchasing renewable energy credits (“RECs”) through long-term contracts, short-term spot purchases, and competitive requests for proposals. The Companies have purchased and plan to continue to purchase RECs and SRECs through competitive request for proposal solicitation structure for the duration of this ten year plan (“RFP REC Procurement Process”). The RFP REC Procurement Process is an efficient means of meeting the annual benchmarks as required by R.C. § 4928.64 and provides the Companies with market intelligence about potential suppliers and the availability of RECs and SRECs from completed and planned renewable projects. The 2015 RFP REC Procurement Process was managed by Navigant Consulting, Inc. (“NCI”). The Companies plan to retain an independent consultant for the management of future RFP REC Procurement Processes. The Companies, as necessary and as part of a contingency plan, will also continue to purchase RECs and SRECs through brokers and bilateral agreements.

⁵ The Companies’ SSO Procurement Plans contemplate power purchases. The Companies do not own generation.

IV. CONCLUSION

As demonstrated above, the Companies achieved full compliance with the 2015 renewable energy benchmark and Solar Benchmark in R.C. § 4928.64(B)(2) as amended by S.B. 310. The Companies also appreciate the opportunity to file this initial Plan and expect this Plan will be updated and refined over the ten-year planning horizon.

Respectfully submitted,

/s/ Carrie M. Dunn

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TOLEDO EDISON COMPANY

2015 ALTERNATIVE ENERGY BENCHMARKS AND COMPLIANCE RECONCILIATION

Line No.	Year	Company's SSO Retail Electric Sales	Baseline	Renewable Energy Resource Target %	Solar Energy Target %	Renewable Energy Resource Benchmark	Solar Energy Resource Benchmark - SRECS	Renewable Less Solar Benchmark - RECS
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(4)*(5)	(8)=(4)*(6)	(9)=(7)-(8)
Ohio Edison Company								
1	2012	5,889,259						
2	2013	5,189,587						
3	2014	5,038,011						
4	2015		5,372,286	2.50%	0.12%	134,307	6,447	127,860
2015 Ohio All Renewable (OH), Zone: OH								
5	Compliance RECs retired in GATS						-	-
6	Compliance RECs retired in MRETS						<u>6,447</u>	<u>127,860</u>
7	Total Compliance RECs retired						6,447	127,860

Column (3) = 2012 through 2014 From Form(s) SE-1: Monthly Historical Electricity Data, Part A

Column (4) = simple average of preceding three years from Column (3)

Column (5) and (6) from OAC 4901:1-40-03 (A)

Column (7) thru (9) = calculation of benchmarks

2015 ALTERNATIVE ENERGY BENCHMARKS AND COMPLIANCE RECONCILIATION

Line No.	Year	Company's SSO Retail Electric Sales	Baseline	Renewable Energy Resource Target %	Solar Energy Target %	Renewable Energy Resource Benchmark	Solar Energy Resource Benchmark - SRECS	Renewable Less Solar Benchmark - RECS
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(4)*(5)	(8)=(4)*(6)	(9)=(7)-(8)
The Cleveland Electric Illuminating Company								
1	2012	2,866,655						
2	2013	2,662,258						
3	2014	2,877,135						
4	2015		2,802,016	2.50%	0.12%	70,050	3,362	66,688
2015 Ohio All Renewable (OH), Zone: OH								
5	Compliance RECs retired in GATS						3,009	57,394
6	Compliance RECs retired in MRETS						<u>353</u>	<u>9,294</u>
7	Total Compliance RECs retired						3,362	66,688

Column (3) = 2012 through 2014 From Form(s) SE-1: Monthly Historical Electricity Data, Part A

Column (4) = simple average of preceding three years from Column (3)

Column (5) and (6) from OAC 4901:1-40-03 (A)

Column (7) thru (9) = calculation of benchmarks

2015 ALTERNATIVE ENERGY BENCHMARKS AND COMPLIANCE RECONCILIATION

Line No.	Year	Company's SSO Retail Electric Sales	Baseline	Renewable Energy Resource Target %	Solar Energy Target %	Renewable Energy Resource Benchmark	Solar Energy Resource Benchmark - SRECS	Renewable Less Solar Benchmark - RECS
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(4)*(5)	(8)=(4)*(6)	(9)=(7)-(8)
The Toledo Edison Company								
1	2012	2,560,233						
2	2013	2,412,668						
3	2014	2,464,640						
4	2015		2,479,181	2.50%	0.12%	61,980	2,975	59,005
2015 Ohio All Renewable (OH), Zone: OH								
5	Compliance RECs retired in GATS						2,975	59,005
6	Compliance RECs retired in MRETS						<u>-</u>	<u>-</u>
7	Total Compliance RECs retired						2,975	59,005

Column (3) = 2012 through 2014 From Form(s) SE-1: Monthly Historical Electricity Data, Part A

Column (4) = simple average of preceding three years from Column (3)

Column (5) and (6) from OAC 4901:1-40-03 (A)

Column (7) thru (9) = calculation of benchmarks

2015 ALTERNATIVE ENERGY BENCHMARKS AND COMPLIANCE RECONCILIATION

Line No.	Year	Company's SSO Retail Electric Sales	Baseline	Renewable Energy Resource Target %	Solar Energy Target %	Renewable Energy Resource Benchmark	Solar Energy Resource Benchmark - SRECS	Renewable Less Solar Benchmark - RECS
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(4)*(5)	(8)=(4)*(6)	(9)=(7)-(8)
		Total Ohio						
1	2012	11,316,147						
2	2013	10,264,513						
3	2014	10,379,787						
4	2015		10,653,483	2.50%	0.12%	266,337	12,784	253,553
		2015 Ohio All Renewable (OH), Zone: OH						
5		Compliance RECs retired in GATS					5,984	116,399
6		Compliance RECs retired in MRETS					6,800	137,154
7		Total Compliance RECs retired					12,784	253,553

Column (3) = 2012 through 2014 From Form(s) SE-1: Monthly Historical Electricity Data, Part A

Column (4) = simple average of preceding three years from Column (3)

Column (5) and (6) from OAC 4901:1-40-03 (A)

Column (7) thru (9) = calculation of benchmarks

Ohio Edison Company

Renewable Energy Resources Baselines and Benchmarks

(Megawatt Hours/Year)

Planning baselines and benchmarks in the forecasted years are calculated using forecasted SSO Retail Electric Sales and the same percentage of customer sales taking SSO service as 12/2015 actual. Associated compliance baselines and benchmarks will reflect actual SSO Retail Electric Sales.

Year	Delivery Retail Electric Sales Excluding Losses	Delivery Retail Electric Sales Including Losses	Company's Calendar- Month SSO Retail Electric Sales	Renewable Energy Resource Target %	Solar Energy Resource Target %	Alternative Energy Baselines	Renewable Energy Resource Benchmark	Solar Energy Resource Benchmark	Renewable Less Solar Benchmark	Contracted SRECS	Long Term solar RFP	Contracted non-solar RECs	Long Term non-solar RFP	Supply Portfolio Projection
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)=(5)*(7)	(9)=(6)*(7)	(10) = (8)-(9)	(11)	(12)	(13)	(14)	(15)
21.02% Percent of customer sales taking SSO service on 12/2015 (as shown on PUCO Form SE-1)														
2009			19,043,752											
2010			9,928,843											
2011			6,657,188											
2012			5,889,259											
2013			5,189,587											
2014			5,038,011											
2015			5,086,853											
2016	23,646,600	25,371,000	4,970,515	2.50%	0.12%	5,104,817	127,620	6,126	121,494		2,924		9,747	5,332,984
2017	23,818,000	25,542,000	5,006,544	3.50%	0.15%	5,031,793	176,113	7,548	168,565		2,875		9,582	5,368,928
2018	24,071,000	25,811,000	5,059,724	4.50%	0.18%	5,021,304	225,959	9,038	216,921		2,866		9,552	5,425,472
2019	24,254,400	26,001,000	5,098,275	5.50%	0.22%	5,012,261	275,674	11,027	264,647		2,888		9,624	5,465,410
2020	24,263,800	26,008,000	5,100,251	6.50%	0.26%	5,054,848	328,565	13,143	315,422		2,893		9,645	5,466,882
2021	24,512,200	26,266,000	5,152,464	7.50%	0.30%	5,086,083	381,456	15,258	366,198		483		-	5,521,113
2022	24,597,000	26,354,000	5,170,289	8.50%	0.34%	5,116,997	434,945	17,398	417,547		-		-	5,539,611
2023	24,709,800	26,479,000	5,194,000	8.50%	0.34%	5,141,001	436,985	17,479	419,506		-		-	5,565,886
2024	24,823,800	26,603,000	5,217,963	8.50%	0.34%	5,172,251	439,641	17,586	422,055		-		-	5,591,951
2025	24,947,200	26,734,000	5,243,901	10.50%	0.42%	5,183,679	544,286	21,771	522,515		-		-	5,619,487

Column (2) and (3) PUCO Case No. 16-582-EL-FOR PUCO FORM FE4-D1

Column (4) = 2009 through 2010 From PUCO Form(s) SE-1: Monthly Historical Electricity Data, Part A.

The actual kilowatt hours sold in 2012 through 2015 were reported by cycle on the SE-1 Report Form. However, the Companies' calculated their baseline based on 2012 and 2014 calendar year sales.

= 2016 through 2024 From Column (2) Times percent of customer sales taking SSO service on 12/2015

Column (5) and (6) from OAC 4901:1-40-03 (A)

Column (7) Average of the three preceding calendar years of Column (4)

Column (8) and (9) from OAC 4901:1-40-03 (A) [Column (9) is not incremental to Column (8)]

Column (10) = Net renewable benchmark

Columns (12) & (14) = Filed in Cases 10-2891-EL-ACP and 11-4625-EL-ACP, as stipulated to in 10-0388-EL-SSO.

Column (15) = Column (3) times the percent of customer sales taking SSO service on 12/2013 Service Offer percent of delivery retail electric sales,

SSO supplier is obligated to provide Standard Service Offer percent of delivery retail electric sales including distribution losses.

The Cleveland Electric Illuminating Company

Renewable Energy Resources Baselines and Benchmarks

(Megawatt Hours/Year)

Planning baselines and benchmarks in the forecasted years are calculated using forecasted SSO Retail Electric Sales and the same percentage of customer sales taking SSO service as 12/2015 actual. Associated compliance baselines and benchmarks will reflect actual SSO Retail Electric Sales.

Year	Delivery Retail Electric Sales Excluding Losses	Delivery Retail Electric Sales Including Losses	Company's Calendar-Month SSO Retail Electric Sales	Renewable Energy Resource Target %	Solar Energy Resource Target %	Alternative Energy Baselines	Renewable Energy Resource Benchmark	Solar Energy Resource Benchmark - SRECs	Renewable Less Solar Benchmark - RECs	Contracted SRECS	Long Term solar RFP	Contracted non-solar RECs	Long Term non-solar RFP	Supply Portfolio Projection
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)=(5)*(7)	(9)=(6)*(7)	(10) = (8)-(9)	(11)	(12)	(13)	(14)	(15)
15.93% Percent of customer sales taking SSO service on 12/2015 (as shown on PUCO Form SE-1)														
2009			14,450,199											
2010			6,981,963											
2011			3,337,566											
2012			2,866,655											
2013			2,662,258											
2014			2,877,135											
2015			3,114,567											
2016	18,371,800	19,661,000	2,926,628	2.50%	0.12%	2,884,653	72,116	3,462	68,654		1,653		5,508	3,131,997
2017	18,465,400	19,765,000	2,941,538	3.50%	0.15%	2,972,777	104,047	4,459	99,588		1,698		5,661	3,148,565
2018	18,519,200	19,823,000	2,950,109	4.50%	0.18%	2,994,244	134,741	5,390	129,351		1,709		5,696	3,157,804
2019	18,552,200	19,855,000	2,955,365	5.50%	0.22%	2,939,425	161,668	6,467	155,201		1,693		5,645	3,162,902
2020	18,552,400	19,854,000	2,955,397	6.50%	0.26%	2,949,004	191,685	7,667	184,018		1,688		5,626	3,162,742
2021	18,654,000	19,961,000	2,971,582	7.50%	0.30%	2,953,624	221,522	8,861	212,661		280		-	3,179,787
2022	18,714,800	20,021,000	2,981,268	8.50%	0.34%	2,960,781	251,666	10,067	241,599		-		-	3,189,345
2023	18,805,000	20,122,000	2,995,637	8.50%	0.34%	2,969,416	252,400	10,096	242,304		-		-	3,205,435
2024	18,916,000	20,237,000	3,013,319	8.50%	0.34%	2,982,829	253,540	10,142	243,398		-		-	3,223,754
2025	19,026,000	20,353,000	3,030,842	10.50%	0.42%	2,990,452	313,997	12,560	301,437		-		-	3,242,233

Column (2) and (3) PUCO Case No. 16-582-EL-FOR PUCO FORM FE4-D1

Column (4) = 2009 through 2010 From PUCO Form(s) SE-1: Monthly Historical Electricity Data, Part A.

The actual kilowatt hours sold in 2012 through 2015 were reported by cycle on the SE-1 Report Form. However, the Companies' calculated their baseline based on 2012 and 2014 calendar year sales.

= 2016 through 2024 From Column (2) Times percent of customer sales taking SSO service on 12/2015

Column (5) and (6) from OAC 4901:1-40-03 (A)

Column (7) Average of the three preceding calendar years of Column (4)

Column (8) and (9) from OAC 4901:1-40-03 (A) [Column (9) is not incremental to Column (8)]

Column (10) = Net renewable benchmark

Columns (12) & (14) = Filed in Cases 10-2891-EL-ACP and 11-4625-EL-ACP, as stipulated to in 10-0388-EL-SSO.

Column (15) = Column (3) times the percent of customer sales taking SSO service on 12/2013 Service Offer percent of delivery retail electric sales, SSO supplier is obligated to provide Standard Service Offer percent of delivery retail electric sales including distribution losses.

The Toledo Edison Company

Renewable Energy Resources Baselines and Benchmarks

(Megawatt Hours/Year)

Planning baselines and benchmarks in the forecasted years are calculated using forecasted SSO Retail Electric Sales and the same percentage of customer sales taking SSO service as 12/2015 actual. Associated compliance baselines and benchmarks will reflect actual SSO Retail Electric Sales.

Year	Delivery Retail Electric Sales Excluding Losses	Delivery Retail Electric Sales Including Losses	Company's Calendar-Month SSO Retail Electric Sales	Renewable Energy Resource Target %	Solar Energy Resource Target %	Alternative Energy Baselines	Renewable Energy Resource Benchmark	Solar Energy Resource Benchmark - SRECs	Renewable Less Solar Benchmark - RECs	Contracted SRECS	Long Term solar RFP	Contracted non-solar RECs	Long Term non-solar RFP	Supply Portfolio Projection
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)=(5)*(7)	(9)=(6)*(7)	(10) = (8)-(9)	(11)	(12)	(13)	(14)	(15)
23.19% Percent of customer sales taking SSO service on 12/2015 (as shown on PUCO Form SE-1)														
2009			7,815,831											
2010			3,537,132											
2011			2,811,863											
2012			2,560,233											
2013			2,412,668											
2014			2,464,640											
2015			2,577,327											
2016	10,574,400	11,163,000	2,452,203	2.50%	0.12%	2,484,878	62,122	2,982	59,140		1,423		4,745	2,588,700
2017	10,624,200	11,210,000	2,463,752	3.50%	0.15%	2,498,057	87,432	3,747	83,685		1,427		4,757	2,599,599
2018	10,672,800	11,258,000	2,475,022	4.50%	0.18%	2,497,761	112,399	4,496	107,903		1,425		4,752	2,610,730
2019	10,767,800	11,353,000	2,497,053	5.50%	0.22%	2,463,659	135,501	5,420	130,081		1,419		4,731	2,632,761
2020	10,814,400	11,399,000	2,507,859	6.50%	0.26%	2,478,609	161,110	6,444	154,666		1,419		4,729	2,643,428
2021	10,825,800	11,414,000	2,510,503	7.50%	0.30%	2,493,311	186,998	7,480	179,518		237		-	2,646,907
2022	10,891,400	11,479,000	2,525,716	8.50%	0.34%	2,505,138	212,937	8,517	204,420		-		-	2,661,980
2023	10,965,600	11,556,000	2,542,923	8.50%	0.34%	2,514,693	213,749	8,550	205,199		-		-	2,679,836
2024	11,040,200	11,635,000	2,560,222	8.50%	0.34%	2,526,381	214,742	8,590	206,152		-		-	2,698,157
2025	11,122,000	11,718,000	2,579,192	10.50%	0.42%	2,534,841	266,158	10,646	255,512		-		-	2,717,404

Column (2) and (3) PUCO Case No. 16-582-EL-FOR PUCO FORM FE4-D1

Column (4) = 2009 through 2010 From PUCO Form(s) SE-1: Monthly Historical Electricity Data, Part A.

The actual kilowatt hours sold in 2012 through 2015 were reported by cycle on the SE-1 Report Form. However, the Companies' calculated their baseline based on 2012 and 2014 calendar year sales.

= 2016 through 2024 From Column (2) Times percent of customer sales taking SSO service on 12/2015

Column (5) and (6) from OAC 4901:1-40-03 (A)

Column (7) Average of the three preceding calendar years of Column (4)

Column (8) and (9) from OAC 4901:1-40-03 (A) [Column (9) is not incremental to Column (8)]

Column (10) = Net renewable benchmark

Columns (12) & (14) = Filed in Cases 10-2891-EL-ACP and 11-4625-EL-ACP, as stipulated to in 10-0388-EL-SSO.

Column (15) = Column (3) times the percent of customer sales taking SSO service on 12/2013 Service Offer percent of delivery retail electric sales,

SSO supplier is obligated to provide Standard Service Offer percent of delivery retail electric sales including distribution losses.

Total Ohio

Renewable Energy Resources Baselines and Benchmarks

(Megawatt Hours/Year)

Planning baselines and benchmarks in the forecasted years are calculated using forecasted SSO Retail Electric Sales and the same percentage of customer sales taking SSO service as 12/2015 actual. Associated compliance baselines and benchmarks will reflect actual SSO Retail Electric Sales.

Year	Delivery Retail Electric Sales Excluding Losses	Delivery Retail Electric Sales Including Losses	Company's Calendar- Month SSO Retail Electric Sales	Renewable Energy Resource Target %	Solar Energy Resource Target %	Alternative Energy Baselines	Renewable Energy Resource Benchmark	Solar Energy Resource Benchmark - SRECs	Renewable Less Solar Benchmark - RECs	Contracted SRECS	Long Term solar RFP	Contracted non-solar RECs	Long Term non-solar RFP	Supply Portfolio Projection
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)=(5)*(7)	(9)=(6)*(7)	(10) = (8)-(9)	(11)	(12)	(13)	(14)	(15)
2009			41,309,781											
2010			20,447,939											
2011			12,806,617											
2012			11,316,147											
2013			10,264,513											
2014			10,379,787											
2015			10,778,747											
2016	52,592,800	56,195,000	10,349,346	2.50%	0.12%	10,474,348	261,858	12,570	249,288		6,000		20,000	11,053,681
2017	52,907,600	56,517,000	10,411,834	3.50%	0.15%	10,502,627	367,592	15,754	351,838		6,000		20,000	11,117,092
2018	53,263,000	56,892,000	10,484,855	4.50%	0.18%	10,513,309	473,099	18,924	454,175		6,000		20,000	11,194,006
2019	53,574,400	57,209,000	10,550,693	5.50%	0.22%	10,415,345	572,843	22,914	549,929		6,000		20,000	11,261,072
2020	53,630,600	57,261,000	10,563,507	6.50%	0.26%	10,482,461	681,360	27,254	654,106		6,000		20,000	11,273,052
2021	53,992,000	57,641,000	10,634,549	7.50%	0.30%	10,533,018	789,976	31,599	758,377		1,000			11,347,807
2022	54,203,200	57,854,000	10,677,273	8.50%	0.34%	10,582,916	899,548	35,982	863,566					11,390,936
2023	54,480,400	58,157,000	10,732,560	8.50%	0.34%	10,625,110	903,134	36,125	867,009					11,451,157
2024	54,780,000	58,475,000	10,791,504	8.50%	0.34%	10,681,461	907,923	36,318	871,605					11,513,861
2025	55,095,200	58,805,000	10,853,935	10.50%	0.42%	10,708,972	1,124,441	44,977	1,079,464					11,579,124

Columns (2), (3),(4),(7),(8),(9),(10) and (15) = sum of the corresponding column from Pages 1 through 3
Column (5) and (6) from OAC 4901:1-40-03 (A)

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Commission of Ohio Docketing Information System on

4/15/2016 1:54:51 PM

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Case No(s). 16-0788-EL-ACP

Summary: Report Annual Alternative Energy Status Report and Alternative Energy Resource Plan electronically filed by Ms. Carrie M Dunn on behalf of The Cleveland Electric Illuminating Company and Ohio Edison Company and The Toledo Edison Company