BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of The Dayton

Power and Light Company for Approval of its : Case No. 12-426-EL-SSO

Electric Security Plan.

In the Matter of the Application of The Dayton :

Power and Light Company for Approval of : Case No. 12-427-EL-ATA

Revised Tariffs.

In the Matter of the Application of The Dayton

Power and Light Company for Approval of : Case No. 12-428-EL-AAM

Certain Accounting Authority.

In the Matter of the Application of The Dayton :

Power and Light Company for the Waiver of : Case No. 12-429-EL-WVR

Certain Commission Rules.

In the Matter of the Application of The Dayton : Case No. 12-672-EL-RDR

Power and Light Company to Establish Tariff

Riders. :

PREFILED TESTIMONY OF TAMARA S. TURKENTON

ACCOUNTING AND ELECTRICITY DIVISION
UTILITIES DEPARTMENT
PUBLIC UTILITIES COMMISSION OF OHIO

Staff Exhibit _____

1 1. Q. I leade state your manie and your custifess addition	1	1.	Q.	Please state your r	name and your	business addres
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A. My name is Tamara S. Turkenton. My business address is 180 East Broad

Street, Columbus, Ohio 43215.

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- 5 2. Q. By whom are you employed and in what capacity?
- A. I am employed by the Public Utilities Commission of Ohio as Chief of the
 Accounting and Electricity Division of the Utilities Department.

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- 9 3. Q. Please briefly summarize your educational background and work
 10 experience.
- 11 A. I received a Bachelor of Business Administration in Finance and Business
 12 Pre-Law (BBA) from Ohio University. I also received a Master of
 13 Business Administration (MBA) degree from Capital University and a
 14 Master of Tax Laws (MT) degree from Capital Law School.

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I have been employed by the Commission since June 1994 involved in the

Electric Fuel Component (EFC) section, the Telecommunications section,

the Competitive Retail Electric Service (CRES) section working on electric

deregulation and SB 3, and the Rates & Tariffs section working on electric

utility rates, tariffs, and rules. In April 2009, I was assigned to the

Accounting and Electricity Division working on many aspects of SB 221.

1	4.	Q.	Have you testified in prior proceedings before the Commission?
2		A.	Yes.
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4	5.	Q.	What is the purpose of your testimony in this proceeding?
5		A.	On March 30, 2012, Dayton Power & Light (DP&L or Company) filed an
6			application for a standard service offer (SSO) pursuant to Section 4928.141,
7			Revised Code. The application was for a Market Rate Option (MRO) in
8			accordance with Section 4928.142, Revised Code. On September 7, 2012,
9			DP&L withdrew its application for a MRO. On October 5, 2012, DP&L
10			filed an application for an Electric Security Plan (ESP) in accordance with
11			Section 4928.143, Revised Code. On December 12, 2012, DP&L amended
12			its application for an ESP.
13			
14			It is Staff's intent to provide testimony only for the issues in the Company's
15			application which Staff either does not support, or is proposing to be
16			modified. As a result, my testimony addresses the following three issues:
17			a) A comparison of the terms and conditions of the Applicant's ESP to
18			determine if they are more favorable to customers in the aggregate
19			than the expected results that would otherwise apply under a MRO.
20			b) The Applicant's proposed phase out of the maximum charge
21			provision, and

2 and revenue distribution. 3 Issue 1 – Comparisons between the ESP and the MRO 4 6. Did you perform comparisons between the ESP and the MRO? Q. 5 A. Yes, I have performed several analyses. The analyses are shown in Attachments TST-1 through TST-4 to my testimony. Attachment TST-1 is 6 Staff's recommendation for a 3 year ESP term and compares the results of a 7 projected ESP rate to the results of a MRO using the projected market rate 8 9 as determined by Staff witness Windle and an average annual SSR of 10 \$133M as sponsored by Staff witness Mahmud. 11 12 Attachment TST-2 is Staff's recommendation for a 3 year ESP term and compares the results of a projected ESP rate to the results of a MRO using 13 14 the projected market rate as determined by Staff witness Windle and an 15 average annual SSR of \$151M as sponsored by Staff witness Mahmud. 16 17 Attachment TST-3 is the Company's proposed 65 month ESP term and 18 compares the results of a projected ESP rate to the results of a MRO using 19 the projected market rates as determined by the Company.

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c)

The Applicant's proposed Service Stability Rider (SSR) rate design

Attachment TST-4 is the Company's proposed 65 month ESP term and compares the results of a projected ESP rate to the results of a MRO using the projected Staff market rate as determined by Staff witness Windle. In this comparison, Staff market rates were determined for the last two years (June 2016 through May 2018) using the projected capacity numbers used by the Company in its application.

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A.

Q. Please describe the ESP rate utilized in your analyses?

The ESP rate utilized in all 4 analyses includes the Base Generation and Environmental Investment Rider rates, TCRR-B rates and RPM rates as provided in the testimony of R. Jeffrey Malinak, Second Revised Exhibit RJM-2. However, the ESP rate in Attachment TST-1 and TST-2 includes the Company's average total fuel rate in effect for March 1, 2013 utilizing the least cost fuel methodology. The ESP rate in Attachments TST-1 and TST-2 includes the Staff proposed SSR rate (\$133M/year and \$151M/year) and the annual revenue requirement of the Yankee Solar facility (\$1M/year). In Attachments TST-3 and TST-4, the 65 month scenarios use the Company's proposed fuel rate included in Second Revised Exhibit RJM-2 which is based on the Company's proposed "System Average Cost" approach and includes the Company proposed SSR rate (\$137.5M/year).

1 8. Q. What other assumptions are included in your Attachment TST-1 and TST-2 analysis?

As discussed in the testimony of Staff witness Choueiki, the Staff recommends a 3-year term for the proposed ESP. As a result, Attachments TST-1 and TST-2 include the following time periods; June 2013 through May 2014, June 2014 through May 2015 and finally June 2015 through May 2016. The Staff analysis in TST-1 and TST-2 takes into account a blending of the market rate with a standard service offer. Section 4928.142 (D), of the Revised Code indicates that a company's first application for a MRO requires a proportionate blending of that market rate with the generation service price equal to the utility's most recent standard service offer which can be adjusted by the Commission for known and measurable changes in that most recent standard service offer. While the Commission may determine revisions to the blending percentages pursuant to 4928.142 (E), Revised Code, the statute requires an initial blending of 10%/90%, 20%/80% and 30%/70% for the first three years. Staff Witness Strom has proposed an ESP blending of 40%/60% for June 13 to May 14, 60%/40% for June 14 to May 15, and 100% for the June 2015 through May 2016 blending period. The time period proposed in the application began January 2013; however, that date has passed so the Staff analysis begins June 2013.

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The comparisons in TST-1 through TST-4 assume that the SSR Rider and Yankee Solar facility costs are a function of the ESP only and that they would not be present if the Company were to apply for a MRO. This is my understanding based on Section 4928.143(B)(2)(d), Revised Code that specifically allows for such a stability charge and single issue ratemaking, but the MRO statute in Section 4928.142, Revised Code does not explicitly address such provisions.

The comparisons in TST-1(a) through TST-4(a) assume that the Company continues to recover the \$73M Rate Stabilization Charge (RSC) under an MRO scenario. This is a legal question for the Commission to decide and I have provided subpart scenarios that include the \$73M RSC charge under a MRO scenario. In reference to TST-1(a) through TST-4(a), this is the only assumption that is different; otherwise, the analyses are identical to TST-1 and TST-4.

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- Q. Are there any other assumptions or issues you would like to address regarding the MRO/ESP test?
- 19 A. Yes, I did not include in my analysis the Company estimated \$2.5M in
 20 Revenue Requirement for the Reconciliation Rider (RR) because the type
 21 of costs proposed by Staff witness Donlon for inclusion in the RR are both
 22 bypassable and nonbypassble in nature. In my opinion, some costs (e.g.

1			retail enhancements) would be present in the ESP only and other costs
2			would be present in both the ESP and MRO (e.g. auction type costs). In
3			any scenario including the RR in the MRO/ESP test versus not including
4			the RR in the MRO/ESP test, the results of the ESP/MRO would not
5			change. Therefore, the RR was not included in my analyses.
6			
7	10.	Q.	Can you summarize the results of the ESP vs. MRO analyses?
8		A.	The following chart summarizes the results:

Stai	f Proposal (3 Year - \$133N	M SSR)
	Attachment TST-1	Attachment TST-1a
Period	ESP Revenue Exceeds MRO by:	ESP Revenue Exceeds MRO by:
Jun 13 – May 14	\$ 86,514,003	\$ 13,839,003
Jun 14 – May 15	\$ 90,632,632	\$ 17,957,632
Jun 15 – May 16	\$ 66,296,720	\$ (6,378,280)
Total	\$ 243,443,355	\$ 25,418,355

Sta	ff Proposal (3 Year - \$151	SSR)
	Attachment TST-2	Attachment TST-2a
Period	ESP Revenue Exceeds MRO by:	ESP Revenue Exceeds MRO by:
Jun 13 – May 14	\$ 104,514,003	\$ 31,839,003
Jun 14 – May 15	\$ 108,632,632	\$ 35,957,632
Jun 15 – May 16	\$ 84,296,720	\$ 11,621,720
Total	\$ 297,443,355	\$ 79,418,355

Compa	ny Proposal (65 mos. \$137	7.5M SSR)
	Company Market Rate	s
	Attachment TST-3	Attachment TST-3a
Period	ESP Revenue Exceeds MRO by:	ESP Revenue Exceeds MRO by:
Jan 13 – May 14	\$ 194,788,240	\$ 92,577,155
Jun 14 – May 15	\$ 118,796,223	\$ 46,121,223
Jun 15 – May 16	\$ 106,906,195	\$ 34,231,195
Jun 16 – May 17	\$ 91,993,368	\$ 19,318,368
Jun 17 – May 18	\$ 98,218,957	\$ 25,543,957
Total	\$ 610,702,984	\$ 217,791,898

Compa	ny Proposal (65 mos. \$137	7.5M SSR)
	Staff Market Rates	
	Attachment TST-4	Attachment TST-4a
Period	ESP Revenue Exceeds MRO by:	ESP Revenue Exceeds MRO by:
Jan 13 – May 14	\$ 194,788,240	\$ 92,577,155
Jun 14 – May 15	\$ 117,017,483	\$ 44,342,483
Jun 15 – May 16	\$ 99,600,657	\$ 26,925,657
Jun 16 – May 17	\$ 87,694,747	\$ 15,019,747
Jun 17 – May 18	\$ 94,290,907	\$ 21,615,907
Total	\$ 593,392,035	\$ 200,480,949

2 A. Based on Attachment TST-1, and as summarized above, the ESP as proposed by Staff is not more favorable than the blended MRO utilizing the 3 stated blending ratios used by Staff Witness Strom, the forecasted market 4 5 rates as determined by Staff witness Windle, and an average annual SSR rate of \$133M over the Staff proposed 3 year term. If DP&L pursued the 6 7 ESP option verses the MRO option in Attachment TST-1, ratepayers would 8 pay \$ 243,443,355 more over a three year period. If DP&L pursued the 9 ESP option versus the MRO option and the RSC is included under the 10 MRO scenario as assumed in Attachment TST-1(a) ratepayers would pay 11 \$25,418,355 more over a three period.

What is your conclusion from the analysis presented in Attachment TST-1?

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Based on Attachment TST-2, and as summarized above, the ESP as proposed by Staff is not more favorable than the blended MRO utilizing the stated blending ratios used by Staff Witness Strom, the forecasted market rates as determined by Staff witness Windle, and an average annual SSR rate of \$151M over the Staff proposed 3 year term. If DP&L pursued the ESP option verses the MRO option in Attachment TST-2, ratepayers would pay \$ 297,443,355 more over a three year period. If DP&L pursued the ESP option versus the MRO option and the RSC is included under the

What is your conclusion from the analysis presented in Attachment TST-2?

MRO scenario as assumed in Attachment TST-2(a) ratepayers would pay \$79,418,355 more over a three period.

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4 13. What is your conclusion from the analysis presented in Attachment TST-3? Q. 5 A. Based on Attachment TST-3, and as summarized above, the ESP as

proposed by the Company is not more favorable than the blended MRO 6 utilizing the stated assumptions by the Company and the forecasted market rates as determined by the Company. If DP&L pursued the ESP option

verses the MRO option, ratepayers would pay \$610,702,984 more over a

65 month period. If DP&L pursued the ESP option versus the MRO option

and the RSC is included under the MRO scenario as assumed in

Attachment TST-3(a) ratepayers would pay \$217,791,898 more over a 65

month period.

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What is your conclusion from the analysis presented in Attachment TST-4? 14. Q.

A. Based on Attachment TST-4, and as summarized above, the ESP as

proposed by the Company is not more favorable than the blended MRO

utilizing the stated assumptions by the Company and the forecasted market

rates as determined by Staff witness Windle. If DP&L pursued the ESP

option verses the MRO option, ratepayers would pay \$ 593,392,035 more

over a 65 month period. If DP&L pursued the ESP option versus the MRO

option and the RSC is included under the MRO scenario as assumed in

1 Attachment TST-4(a) ratepayers would pay \$200,480,949 more over a 65
2 month period.

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- 4 15. Q. Do you have any recommendations?
- A. I have performed quantitative analyses on the comparison of the ESP and

 MRO and the analyses indicates that the ESP is not more favorable than an

 MRO on a quantitative basis in any of the four scenarios/analyses. To

 change the outcome in order to ensure that the ESP is more favorable in the

 aggregate than an MRO, the Commission can either reduce the SSR rate

 proposed by Staff, conclude that the Staff-projected market rates are too

 high, and/or consider other qualitative benefits of the ESP.

<u>Issue 2 – Phase Out of the Maximum Charge Provisions</u>

- 13 16. Q. The Applicant is proposing to phase out the maximum charge provision
 14 that is currently applicable to GS Secondary and GS Primary customers as
 15 addressed by DP&L Witness Parke. In addition, the Applicant is proposing
 16 to exclude the maximum charge provision completely from Riders TCRR17 N, CB, and SSR. Does Staff support this proposal?
 - A. No, Staff does not support this proposal. Phasing out the maximum charge provision as proposed as well as excluding the provision from certain riders will result in substantial increases to low load factor customers that are subject to the maximum charge provision. As a result, the Staff

recommends that the maximum charge provision not be phased out at this time. In addition, new Riders TCRR-N, CB and SSR, should be included when calculating the maximum charge provision.

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- 5 17. Q. Please explain what you mean by "will result in substantial increases to low load factor customers."
- 7 A. Based on the PUCO Staff data request Set 11, it appears that the maximum 8 charge provision applies to customers that have load factors of around 12% 9 and below. During January through August of 2012, there were 10 approximately 8,155 Secondary customers and 60 Primary customers that 11 were subject to maximum charge. The average usage for a Secondary customer that was subject to the Max charge is 25kW and 1,095 kWh 12 13 (5.9% Load Factor). Currently, a Secondary customer of this size would be 14 billed approximately \$471/month under current rates; however, under the maximum charge provision a portion of this customer's bill would be 15 16 capped at 19.9 cents per kwh, and thus their total bill would be \$286/month 17 instead of \$471/month. Accordingly, it can be determined that if the max 18 charge were eliminated, this customer's monthly bill would increase 65%. Staff believes that a 65% increase to a customer's bill constitutes a 19 20 substantial increase that Staff cannot support.

- 1 18. Q. If the Commission were to agree with the Company that the maximum charge provision should be phased out, what would Staff propose?
- 3 A. If the Commission were to agree with the Company that the maximum 4 charge should be phased out, Staff proposes that the maximum charge 5 provision be phased out by 2.5% per quarter as opposed to the 10% as 6 proposed by the Applicant. In addition, Staff recommends that the 7 proposed new riders TCRR-N, CB, and SSR include maximum charges. 8 The maximum charge should be adjusted every quarter during the three 9 year term of the Staff proposed ESP period. At the end of the ESP term, 10 the provision should be reevaluated to determine the impacts to Secondary 11 and Primary customers and determine the appropriateness of continuing the 12 phase out of the maximum charge provision.

<u>Issue 3 – SSR Rate Design and Revenue Distribution</u>

- 14 19. Q. The Applicant is proposing a customer charge as part of the SSR Rider,15 does Staff support this proposal?
- A. Staff does not support the proposal that would collect any SSR revenues
 through a customer charge. Staff recommends that in order to minimize
 cost shifts between customers and customer classes, the rate design and
 revenue distribution of Rider SSR should mirror the design and revenue
 distribution of the current RSC.

- Q. Does your testimony address the amount of revenue that should be
 recovered through the new SSR rider?
- A. No, Staff witness Choueiki will address that matter.

5 21. Q. Does this conclude your testimony?

- A. Yes, it does. However, I reserve the right to submit supplemental testimony as described herein, as new information subsequently becomes avail-
- 8 able or in response to positions taken by other parties.

PROOF OF SERVICE

I hereby certify that a true copy of the foregoing Prefiled Testimony of Tamara S. Turkenton, submitted on behalf of the Staff of the Public Utilities Commission of Ohio, was served via electronic mail, upon the parties listed below, this 11th day of March, 2013.

Thomas W. McNamee

Assistant Attorney General

Service List:

cmooney@ohiopartners.org judi.sobecki@dplinc.com sam@mwncmh.com fdarr@mwncmh.com mpritchard@mwncmh.com joliker@mwncmh.com amy.spiller@duke-energy.com jeanne.kingery@duke-energy.com bmcmahon@emh-law.com elizabeth.watts@duke-energy.com rocco.dascenzo@duke-energy.com stephanie.chmi@thompsonhine.com philip.sineneng@thompsonhine.com michael.dillard@thompsonhine.com matt@matthewcoxlaw.com bojko@carpenterlipps.com sechler@carpenterlipps.com bill.wells@wpafb.af.mil chris.thompson.2@tyndall.af.mil gmeyer@consultbai.com cfaruki@ficlaw.com isharkey@ficlaw.com mswhite@igsenergy.com christopher.miller@icemiller.com gregory.dunn@icemiller.com chris.michael@icemiller.com trent@theoec.org

dboehm@bkllawfirm.com mkurtz@bkllawfirm.com jkyler@bkllawfirm.com mvurick@taftlaw.com zkravitz@taftlaw.com whitt@whitt-sturtevant.com campbell@whitt-sturtevant.com mhpetricoff@vorys.com smhoward@vorys.com ssherman@kdlegal.com ihague@kdlegal.com mwarnock@bricker.com tsiwo@bricker.com tony long@ham.honda.com asim haque@ham.honda.com haydenm@firstenergycorp.com ilang@calfee.com lmcbride@calfee.com talexander@calfee.com jejadwin@aep.com gpoulos@enernoc.com ricks@ohanet.org cmooney2@columbus.rr.com tobrien@bricker.com vparisi@igsenergy.com cathy@theoec.org joseph.clark@directenergy.com

mchristensen@columbuslaw.org stnourse@aep.com ssolberg@eimerstahl.com stephen.bennett@exeloncorp.com cynthia.brady@constellation.com dakutik@jonesday.com aehaedt@jonesday.com ejacobs@ablelaw.org mjsatterwhite@aep.com

Attachment TST-1

ers would \$ 243,443,355	Under the ESP option revised by Staff verses the MRO option, ratepayers would would pay this much more over a three year period: \$ 243,	evised by Staff verse ore over a three yea	Under the ESP option revised by Staff verses the MR would pay this much more over a three year period:				Total Distribution MWHs = 13,822,395 Total Non-Shop MWHs = 5,293,868
\$ 313,926,381 \$ 134,000,000 \$ 381,629,661 \$ 66,296,720		\$345,594,301 \$134,000,000 \$388,961,669 \$ 90,632,632		347,330,689 134,000,000 394,816,687 86,514,003	vhs) \$	Non-Shop kwhs) * Distribution kv * Non-Shop kwhs)	ESP G revenue (Comparable ESP Rate * Non-Shop kwhs) SSR & AER-N revenue (SSR+ AER-N Rate * Distribution kwhs) MRO Revenue (Comparable MRO Rate * Non-Shop kwhs) Total (ESP G + SSR+ Yankee1 - MRO Rev)
5,4299 1,7790 7,2089	MRO Current rate * 70% Market Rate * 30% Comparable MRO	6.2056 1.1418 7.3474	MRO Current rate * 80% Market Rate * 20% Comparable MRO	6.9813 0.4767 7.4580	90%	MRO Current rate * Market Rate * Comparable MRO	
0.0000 5.9300 5.9300 0.0072 0.9622 6.8994	ESP Current rate * 0% Market Rate * 100% Comparable ESP AER-N (Yankee 1) SSR Total ESP	3.1028 3.4254 6.5282 0.0072 0.9622 7.4976	Current rate * 40% Market Rate * 60% Comparable ESP AER-N (Yankee 1) SSR Total ESP	4.6542 1.9068 6.5610 0.0072 0.9622 7.5304	40%	ESP Current rate * Market Rate * Comparable ESP AER-N (Yankee 1) SSR Total ESP	
0.0000	0.0072 0.9622	0.0000	0.0072 0.9622	0.0000	П	0.0072 0.9622	AER-N (Yankee 1) SSR (\$133M) * 2cd revised Exhibit RJM-2
5.9300	4.3870 0.3130 0.0590 2.9980 7.7570	5.7090	4.3870 0.3130 0.0590 2.9980 7.7570	4.7670	П	4.3870 0.3130 0.0590 2.9980 7.7570	Base Generation w/EICC* Transmission* (TCRR-B) RPM* Fuel (March 2013 Tariff Rate) Market Comparable Total Generation
Staff Projected MRO	2015 June - 2016 May Proposed ESP	Staff Projected MRO	2014 June - 2015 May Proposed ESP	Staff Projected MRO		2013 June - 2014 May Proposed ESP	Category
Attachment TST-1	Atta		(cents per kWh)	ESP v. MRO (c	E		

Attachment TST-2

ers would \$ 297,443,355	Staff verses the MRO option, ratepayers would \$ 297,	vised by Staff verses ore over a three year	Under the ESP option revised by Staff verses the MR would pay this much more over a three year period:			/Hs = 13,822,395 s = 5,293,868	Total Distribution MWHs Total Non-Shop MWHs
\$ 313,926,381 \$ 152,000,000 \$ 381,629,661 \$ 84,296,720		\$345,594,301 \$152,000,000 \$388,961,669 \$108,632,632		347,330,689 152,000,000 394,816,687 104,514,003	cwhs) \$ ion kwhs) \$ kwhs) \$	ESP G revenue (Comparable ESP Rate * Non-Shop kwhs) SSR & AER-N revenue (SSR+ AER-N Rate * Distribution kwhs) MRO Revenue (Comparable MRO Rate * Non-Shop kwhs) Total (ESP G + SSR+ Yankee1 - MRO Rev)	ESP G revenue (Comparable ESP Rate * SSR & AER-N revenue (SSR+ AER-N Rate MRO Revenue (Comparable MRO Rate * Total (ESP G + SSR+ Yankee1 - MRO Rev)
5.4299 1.7790 7.2089	MRO Current rate * 70% Market Rate * 30% Comparable MRO	6.2056 1.1418 7.3474	MRO Current rate * 80% Market Rate * 20% Comparable MRO	6.9813 0.4767 7.4580	9 * 90% 9 * 10%	MRO Current rate * Market Rate * Comparable MRO	
0.0000 5.9300 5.9300 0.0072 1.0924 7.0297	Current rate * 0% Market Rate * 100% Comparable ESP AER-N (Yankee 1) SSR Total ESP	3.1028 3.4254 6.5282 0.0072 1.0924 7.6279	Current rate * 40% Market Rate * 60% Comparable ESP AER-N (Yankee 1) SSR Total ESP	4.6542 1.9068 6.5610 0.0072 1.0924 7.6607	; * 60% ; * 40% ; ESP	ESP Current rate * Market Rate * Comparable ESP AER-N (Yankee 1) SSR Total ESP	
					֧֓֞֞֟֞֟֞֟֞֟֟֟֟ ֓֞֞֞֞֞֞֞֞֞֓֞֓֓֞֞֩֞֞֓֓֞֞֩֞֩֞֩֞֩֞֩֜֜֜֜֜֜֜֜		* 2cd revised Exhibit RIM-2
0.0000	0.0072	0.0000	0.0072 1.0924	0.0000	0.0072	0.	AER-N (Yankee 1) SSR (\$151M)
5.9300	4.3870 0.3130 0.0590 2.9980 7.7570	5.7090	4.3870 0.3130 0.0590 2.9980 7.7570	4.7670	4.3870 0.3130 0.0590 2.9980 7.7570	te) Generation	Base Generation w/EICC* Transmission* (TCRR-B) RPM* Fuel (March 2013 Tariff Rate) Market Comparable Total Generation
Staff Projected MRO	2015 June - 2016 May Proposed ESP	Staff Projected MRO	2014 June - 2015 May Proposed ESP	Staff Projected MRO		2013 June 2014 May Proposed ESP	Category
			(cents per kWh)	ESP v. MRO (c	E		

\$ 610,702,984	1th period:	would pay this much more over the 65 month period:	would pay this muc					7,490,000	5,293,868	Total Non-Shop MWHs =
ā	on, ratepayers wou	Under the ESP option verses the MRO option, ratepayers would	Under the ESP optic					17 Months 19,440,000	12 Months 13,822,395	Total Distribution MWHs =
							-			
\$ 98,218,957		\$ 91,993,368		\$ 106,906,195		\$118,796,223		\$ 194,788,240	٥	Total (ESP G + SSR+ Yankee1 - MRO Rev)
\$ 388,352,874		\$ 385,684,764		\$ 381,920,824		\$385,912,401	=	\$ 550,095,560	* Non-Shop kwhs)	MRO Revenue (Comparable MRO Rate * Non-Shop kwhs)
\$ 138,500,000		\$ 138,500,000		\$ 138,500,000		\$138,500,000		s) \$ 194,788,240	e * Distribution kwhs	SSR & AER-N revenue (SSR+ AER-N Rate * Distribution kwhs)
\$ 348,071,831		\$ 339,178,132		\$ 350,327,019		\$366,208,623		\$ 550,095,560	* Non-Shop kwhs)	ESP G revenue (Comparable ESP Rate * Non-Shop kwhs)
7.3359	Comparable MRO	7.2855	Comparable MRO	7.2144	Comparable MRO	7.2898	Comparable MRO	7.3444	Comparable MRO	
50 % 1.9725	1.9221 Market Rate * 5	40% 1.9221	1.8510 Market Rate *	30% 1.8510	Market Rate *	20 % 1.1602	Market Rate *	% 0.4486	Market Rate * 10%	
50% 5.3634	5.3634 Current rate * 5	60% 5.3634	Current rate *	70% 5.3634	Current rate *	80 % 6.1296	Current rate *	% 6.8958	Current rate * 90%	
	MRO		MRO		MRO		MRO		MRO	
	_									
7.5770	Total ESP	7.4090	Total ESP	7.6196	Total ESP	7.9196	Total ESP	8.3464	Total ESP	
0.9948	SSR	0.9948	SSR	0.9948	SSR	0.9948	SSR	0.9948	SSR	
0.0072	0.0072 AER-N (Yankee 1)	0.0072	AER-N (Yankee 1)	0.0072	AER-N (Yankee 1)	0.0072	AER-N (Yankee 1)	0.0072	AER-N (Yankee 1)	
6.5750	Comparable ESP	6.4070	Comparable ESP	6.6176	Comparable ESP	6.9176	Comparable ESP	7.3444	Comparable ESP	
100 % 6.5750	6.4070 Market Rate * 1	100% 6.4070	Market Rate *	70% 4.3190	Market Rate *	40% 2.3204	Market Rate *	% 0.4486	Market Rate * 10%	
			Current rate *	2.2986	Current rate "		Current rate			
			ESP		. ESP		ESP			
										** Market rates from RJM-1
										* 2cd revised update Exhibit RJM-2
0.0000	0.9948	0.0000	0.9948	0.0000	0.9948	0.0000	0.9948	0.0000	0.9948	SSR (\$137.5M)
	0.0072		0.0072		0.0072		0.0072		0.0072	AER-N (Yankee 1)
6.5750	7.6620	6.4070	7.6620	6.1700	7.6620	5.8010	7.6620	4.4860	7.6620	Market Comparable Total Generation
	2.9030		2.9030		2.9030		2.9030		2.9030	Fuel *
	0.0590		0.0590		0.0590		0.0590		0.0590	RPM*
	0.3130		0.3130		0.3130		0.3130		0.3130	Transmission (TCRR-B)*
	4.3870		4.3870		4.3870		4.3870		4.3870	Base Generation w/EICC*
Rates**	ESP	Rates**	ESP	Rates**	ESP	Rates**	ESP	Rates**	ESP	
Market	Proposed	Market	Proposed	Market	Proposed	Market	Proposed	Market	Proposed	
DP&L	2018 May	DP&L	2017 May	DP&L	2016 May	DP&L	2015 May	DP&L	14-May	Category
	2017 June		2016 June		2015 June		2014 June		2013 Jan -	
				Wh)	ESP v. MRO (cents per kWh)	ESP v. MRO				
Attacilillelit 131-3										

RPM* SSR & AER-N revenue (SSR+ AER-N Rate * Distribution kwhs) ESP G revenue (Comparable ESP Rate * Non-Shop kwhs) Total Non-Shop MWHs = Total Distribution MWHs = MRO Revenue (Comparable MRO Rate * Non-Shop kwhs) Transmission (TCRR-B)* Base Generation w/EICC* Category Total (ESP G + SSR+ Yankee1 - MRO Rev) AER-N (Yankee-1) Market Comparable Total Generation SSR (\$137.5M) 2cd revised update Exhibit RJM-2 Total ESP Market Rate * Market Rate * Current rate * 景 AER-N (Yankee 1) Comparable ESP Current rate * Comparable MRO 13,822,395 12 Months 2014 May 5,293,868 Proposed 2013 Jan -4.3870 0.3130 0.9948 0.0072 0.0590 7.6620 2.9030 10% 15% 90% Market Rates Staff 551,466,230 194,788,240 551,466,230 194,788,240 19,440,000 17 Months 7,490,000 0.0072 6.8958 6.8958 0.0000 0.994 8.364 4.6690 Market Rate * 20% Current rate * AER-N (Yankee 1) Market Rate * 40% Current rate * 땋 MRO Total ESP Comparable ESP Comparable MRO Proposed 2014 June 2015 May ESP 0.9948 4.3870 0.0072 0.0590 0.3130 7.6620 2.9030 ESP v. MRO (cents per kWh) 60% 80% \$384,133,661 \$138,500,000 \$362,651,144 \$117,017,483 Market Staff Rates 0.0072 0.9948 0.0000 5.633(6.1296 Current rate * 6.8504 4.5972 Current rate * 7.852 1.1266 Market Rate * MRO ESP Total ESP AER-N (Yankee 1) Market Rate * Comparable ESP Comparable MRO 2016 May Proposed ESP 0.9948 0.0072 4.3870 0.3130 7.6620 0.0590 2.9030 30% 70% 30% 70% \$ 337,542,327 \$ 138,500,000 376,441,670 99,600,657 Market Rates Staff 0.9948 6.3762 0.0000 5.825(0.0072 AER-N (Yankee 1) 5.3634 Current rate * 2.2986 Current rate * SSR Market Rate * ESP Total ESP MRO Market Rate * would pay this much more over the 65 month period: Under the ESP option verses the MRO option, ratepayers would Comparable ESP Comparable MRO Proposed 2017 May 2016 June ЕŞР 0.9948 0.0072 0.0590 4.3870 0.3130 7.6620 2.9030 100% **4**6% 60% 8 \$ 87,694,747 \$ 138,500,000 \$ 333,037,245 383,842,498 Market Rates Staff 0.0072 0.9948 0.0000 5.3634 Current rate * 0.0000 Current rate * 6.291 1.8873 Market Rate * MRO AER-N (Yankee 1) Market Rate * ESP Total ESP Comparable ESP Comparable MRO Proposed 2017 June 2018 May ĘŞP 4.3870 0.3130 0.9948 0.0072 0.0590 7.6620 2.9030 100% **5**6 50% 8 \$ 94,290,907 \$ 138,500,000 \$ 342,460,331 386,669,424 593,392,035 Market Rates Staff 0.007 0.000 6.469 5.363 0.994 6.469 1.940

Attachment TST-4

Attachment TST-1a

yers would \$ 25,418,355	Staff verses the MRO option, ratepayers would a three year period:		Under the ESP option revised by would pay this much more over:				Total Distribution MWHs = 13,822,395 Total Non-Shop MWHs = 5,293,868
\$ (6,378,280)		\$ 17,957,632		13,839,003	Ş	Rev - MRO RSC)	Total (ESP G + ESP SSR+ Yankee1 - MRO Rev - MRO RSC)
\$ 72,675,000		\$ 72,675,000		72,675,000	Ş		MRO RSC (RSC * Distribution kwhs)
		\$388,961,669		394,816,687		* Non-Shop kwhs	MRO Revenue (Comparable MRO Rate * Non-Shop kwhs)
\$ 134,000,000		\$134,000,000		134,000,000	n kwhs) \$	Rate * Distributio	ESP SSR & AER-N revenue (SSR+ AER-N Rate * Distribution kwhs)
\$ 313,926,381		\$345,594,301		347,330,689	\$	Non-Shop kwhs)	ESP G revenue (Comparable ESP Rate * Non-Shop kwhs)
7.7347	Total MRO	7.8732	Total MRO	7.9838		Total MRO	
0.5258	RSC	0.5258	RSC	0.5258] ·	RSC	
7.2089	Comparable MRO	7.3474	Comparable MRO	7.4580		Comparable MRO	
6 1.7790	Market Rate * 30%	1.1418	Market Rate * 20%	0.4767	10%	Market Rate *	
6 5.4299	Current rate * 70%	6.2056	Current rate * 80%	6.9813	90%	Current rate *	
	MRO		MRO			MRO	
6.8994	Total ESP	7.4976	Total ESP	7.5304		Total ESP	
0.9622	SSR	0.9622	SSR	0.9622	1	SSR	
0.0072	AER-N (Yankee 1)	0.0072	AER-N (Yankee 1)	0.0072		AER-N (Yankee 1)	
5.9300	Comparable ESP	6.5282	Comparable ESP	6.5610		Comparable ESP	
% 5.9300	Market Rate * 100%	3.4254	Market Rate * 60%	1.9068	40%	Market Rate *	
	Current rate * 0%	3.1028	Current rate * 40%	4.6542	60%	Current rate *	
			ESP			ESP	
							* 2cd revised Exhibit RJM-2
0.5258	0.9622	0.5258	0.9622	0.5258	Г	0.9622	SSR (ESP) or RSC (MRO)
	0.0072		0.0072]	0.0072	AER-N (Yankee 1)
					Ī		
5.9300	7.7570	5.7090	7.7570	4.7670		7.7570	Market Comparable Total Generation
	2.9980		2.9980			2.9980	Fuel (March 2013 Tariff Rate)
	0.0590		0.0590			0.0590	RPM*
	0.3130		0.3130			0.3130	Transmission* (TCRR-B)
	4.3870		4.3870			4.3870	Base Generation w/EICC*
MRO	ESP	MRO	ESP	MRO		ESP	
Starr	2016 May	Starr	2015 IVIAY	Starr		2014 May	Category
2	2015 June -		2014 June -	3		2013 June -	
-			(cents per kWh)	ESP v. MRO (c	-		
			•				

Attachment TST-2a

ers would \$ 79,418,355	Under the ESP option revised by Staff verses the MRO option, ratepayers would would pay this much more over a three year period: \$ 79,	vised by Staff verses re over a three year	Under the ESP option revised by Staff verses the MR would pay this much more over a three year period:			Total Distribution MWHs = 13,822,395 Total Non-Shop MWHs = 5,293,868
\$ 11,621,720		\$ 35,957,632		31,839,003	- MRO RSC)	Total (ESP G + ESP SSR+ Yankee 1 - MRO Rev - MRO RSC)
\$ 72,675,000		\$ 72,675,000		72,675,000	ş	MRO RSC (RSC * Distribution kwhs)
		\$388,961,669		394,816,687	າກ-Shop kwhs) \$	MRO Revenue (Comparable MRO Rate * Non-Shop kwhs)
\$ 152,000,000		\$152,000,000		152,000,000		SSR & AER-N revenue (SSR+ AER-N Rate * Distribution kwhs)
\$ 313,926,381		\$345,594,301		347,330,689		ESP G revenue (Comparable ESP Rate * Non-Shop kwhs)
7.7347	Total MRO	7.8732	Total MRO	7.9838	Total MRO	Tot
0.5258	RSC	0.5258	RSC	0.5258	1	RSC
7.2089	Comparable MRO	7.3474	Comparable MRO	7.4580	Comparable MRO	Сог
1.7790	Market Rate * 30%	1.1418	Market Rate * 20%	0.4767	Market Rate * 10%	Ma
5.4299	Current rate * 70%	6.2056	Current rate * 80%	6.9813	Current rate * 90%	Cur
	MRO		MRO		0	MRO
7.0297	Total ESP	7.6279	Total ESP	7.6607	Total ESP	Tot
1.0924	SSR	1.0924	SSR	1.0924	1	SSR
0.0072	AER-N (Yankee 1)	0.0072	AER-N (Yankee 1)	0.0072	AER-N (Yankee 1)	AEI
5.9300	Comparable ESP	6.5282	Comparable ESP	6.5610	Comparable ESP	Cor
5.9300	Market Rate * 100%	3.4254	Market Rate * 60%	1.9068	Market Rate * 40%	Ma
0.0000	Current rate * 0%	3.1028	Current rate * 40%	4.6542	Current rate * 60%	Cui
	ESP		ESP			ESP
						* 2cd revised Exhibit RJM-2
0.5258	1.0924	0.5258	1.0924	0.5258	1.0924	SSR (ESP) or RSC (MRO)
	0.0072		0.0072		0.0072	AER-N (Yankee 1)
5.9300	7.7570	5.7090	7.7570	4.7670	7.7570	Market Comparable Total Generation
	2.9980		2.9980		2.9980	Fuel (March 2013 Tariff Rate)
	0.0590		0.0590		0.0590	RPM*
	0.3130		0.3130		0.3130	Transmission* (TCRR-B)
	4.3870		4.3870		4.3870	Base Generation w/EICC*
MRO	ESP	MRO	ESP	MRO	ESP	
Projected	Proposed	Projected	Proposed	Projected	Proposed	
Staff	2016 May	Staff	2015 May	Staff	2014 May	Category
	2015 hipp		2017 1	_		
			(cents per kWh)	ESP v. MRO (£	
Attachment TST-2a	Attac					

\$ 217,791,898	on, ratepayers would nth period:	Under the ESP option verses the MRO option, ratepayers would would pay this much more over the 65 month period:	nder the ESP option ould pay this much	w C				17 Months 19,440,000 7,490,000	12 Months 13,822,395 5,293,868	Total Distribution MWHs = Total Non-Shop MWHs =
\$ 348,071,831 \$ 138,500,000 \$ 388,352,874 \$ 72,675,000 \$ 25,543,957		\$ 339,178,132 \$ 138,500,000 \$ 385,684,764 \$ 72,675,000 \$ 19,318,368		\$ 350,327,019 \$ 138,500,000 \$ 381,920,824 \$ 72,675,000 \$ 34,231,195		\$366,208,623 \$138,500,000 \$385,912,401 \$72,675,000 \$46,121,223		\$ 550,095,560 \$ 194,788,240 \$ 550,095,560 \$ 102,211,086 \$ 92,577,155	Non-Shop kwhs) e * Distribution kwhs) * Non-Shop kwhs) Rev - MRO RSC)	ESP Grevenue (Comparable ESP Rate *Non-Shop kwhs) SSR & AER-N revenue (SSR+AER-N Rate * Distribution kwhs) MRO Revenue (Comparable MRO Rate *Non-Shop kwhs) MRO RSC (RSC * Distribution kwhs) Total (ESP G+ ESP SSR+ Yankee1 - MRO Rev - MRO RSC)
6 0.0000 6 6.5750 6.5750 0.0072 0.9948 7.5770 6 5.3634 6 1.9725 7.3859 0.5258 7.8617	ESP 0.0000 Current rate * 0% 6.4070 Market Rate * 100% 6.4070 Comparable ESP 0.0072 AER-N (Yankee 1) 0.9948 SSR 7.4090 Total ESP 7.4090 Total ESP 5.3634 Current rate * 50% 7.2855 Comparable MRO 7.2855 RSC 7.8113 Total MRO	0.0000 6.4070 6.4070 0.0072 0.9948 7.4090 5.3634 1.9221 7.2855 0.5258	nt rate * et Rate * varable ESP v(Yankee 1) ESP ESP et Rate * et Rate * parable MRO	2.2986 Curre 4.3190 Mark 6.6176 Comp 0.0072 AER-1 0.9948 SSR 7.6196 Total 7.6196 Wark 1.8510 Mark 1.8510 Mark 1.8510 Mark 7.2144 Comp 0.5258 RSC 7.7402 Total	ESP Current rate * 30% Market Rate * 70% Comparable ESP AER-N (Yankee 1) SSR Total ESP MRO Current rate * 70% Market Rate * 30% Comparable MRO RSC Total MRO	4.5972 2.3204 6.9176 0.0072 0.9948 7.9196 1.1602 1.1602 7.2898 0.5258 7.8156	ESP Current rate * 60% Market Rate * 40% Comparable ESP AER-N (Yankee 1) SSR Total ESP MRO Current rate * 80% Market Rate * 20% Comparable MRO RSC Total MRO	6.8958 0 0.4486 0 7.3444 0 0.0072 / 0.9948 5 8.3464 1 8.3464 1 6.8958 0 0.4486 0 7.3444 0 7.5258 F 7.8702 1	ESP Current rate * 90% Market Rate * 10% Comparable ESP AER-N (Yankee 1) SSR Total ESP MRO Current rate * 90% Market Rate * 10% Comparable MRO RSC Total MRO	
0.5258	0.0072 0.9948	0.5258	0.0072 0.9948	0.5258	0.0072 0.9948	0.5258	0.0072 0.9948	0.5258	0.0072 0.9948	AER-N (Yankee 1) SSR (ESP) or RSC (MRO) * 2cd revised update Exhibit RJM-2
6.5750	4.3870 0.3130 0.0590 2.9030 7.6620	6.4070	4.3870 0.3130 0.0590 2.9030 7.6620	6.1700	4.3870 0.3130 0.0590 2.9030 7.6620	5.8010	4.3870 0.3130 0.0590 2.9030 7.6620	4.4860	4.3870 0.3130 0.0590 2.9030 7.6620	Base Generation w/EICC* Transmission (TCRR-B)* RPM* Fuel * Market Comparable Total Generation
DP&L Market Rates**	2017 June 2018 May Proposed ESP	DP&L Market Rates**	2016 June 2017 May Proposed ESP	DP&L Market Rates**	2015 June 2016 May Proposed ESP		2014 June 2015 May Proposed ESP	DP&L Market Rates**	2013 Jan - 14-May Proposed ESP	Category
					(cents per kWh)	ESP v. MRO	ES			

Attachment TST-3a

RPM* MRO RSC (RSC * Distribution kwhs) MRO Revenue (Comparable MRO Rate * Non-Shop kwhs) SSR & AER-N revenue (SSR+ AER-N Rate * Distribution kwhs) Category Total Non-Shop MWHs = Total Distribution MWHs = Total (ESP G + ESP SSR+ Yankee1 - MRO Rev - MRO RSC) ESP Grevenue (Comparable ESP Rate * Non-Shop kwhs) Transmission (TCRR-B)* Base Generation w/EICC* **Warket Comparable Total Generation** ER-N (Yankee-1) iR (ESP) or RSC (MRO) 2cd revised update Exhibit RJM-2 Total ESP Total MRO Comparable MRO 몽 AER-N (Yankee 1) Comparable ESP Market Rate * Narket Rate * urrent rate * urrent rate * 13,822,395 2014 May 2013 Jan -12 Months Proposed ESP 0.3130 4.3870 0.9948 0.0590 0.0072 7.6620 2.9030 10% 90% 90% Market Rates 551,466,230 Staff 194,788,240 551,466,230 102,211,086 19,440,000 92,577,155 17 Months 7,490,000 6.8958 0.0072 6.8958 7.362 0.4669 7.8885 0.5257.362 0.4669 0.994 0.5258 4.669 Current rate * Market Rate * 40% ESP RSC Comparable MRO Market Rate * 20% MR O Total ESP SSR AER-N (Yankee 1) Current rate * 60% Comparable ESP Total MRO Proposed ESP 2015 May 2014 June 0.9948 7.6620 0.0590 0.3130 4.3870 0.0072 2.9030 ESP v. MRO (cents per kWh) 80% \$ 44,342,483 \$ 72,675,000 \$384,133,661 \$138,500,000 \$362,651,144 Market Rates Staff 0.9948 0.0072 6.8504 0.5258 5.6330 6.1296 Current rate * 2.2532 4.5972 Current rate * . 782C Total ESP Market Rate * Comparable MRO Market Rate * MRO SSR AER-N (Yankee 1) ESP RSC Comparable ESP Total MRO Proposed ESP 2016 May 2015 June 0.9948 7.6620 2.9030 0.0590 0.3130 4.3870 0.0072 30% 30% 70% 70% \$ 376,441,670 \$ 337,542,327 \$ 138,500,000 72,675,000 Market Rates 26,925,657 Staff 5.3634 0.0072 0.9948 6.3761 2.2986 1.7475 4.0775 0.525 5.825(7.6367 Comparable MRO Current rate * Total ESP SSR AER-N (Yankee 1) Market Rate * Current rate * ESP Under the ESP option verses the MRO option, ratepayers would Market Rate * MRO Comparable ESP would pay this much more over the 65 month period: Total MRO Proposed ESP 2017 May 2016 June 0.9948 0.0590 0.3130 4.3870 2.9030 0.0072 7.6620 100% 40% 40% 8 \$ 333,037,245 \$ 383,842,498 \$ 138,500,000 72,675,000 15,019,747 Market Rates Staff 5.3634 0.0072 0.0000 6.291 0.5258 1.8873 0.992 6.2910 6.291 Current rate * SSR Current rate * ESP Comparable MRO Market Rate * MRO Total ESP AER-N (Yankee 1) Comparable ESP Market Rate * Total MRO Proposed ESP 2017 June 2018 May 0.9948 0.0590 0.3130 4.3870 0.0072 7.6620 2.9030 100% 50% 50% 8 \$ 200,480,949 \$ 386,669,424 \$ 138,500,000 \$ 342,460,331 72,675,000 Market Rates 21,615,907 Staff 6.4690 5.3634 0.0072 0.5258 7.8299 7.3041 1.9407 0.9948 6.469 6.4690 0.0000

Attachment TST-4a

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in

Case No(s). 12-0426-EL-SSO, 12-0427-EL-ATA, 12-0428-EL-AAM, 12-0429-EL-WVR, 12-0672-EL-RDR

Summary: Testimony electronically filed by Mrs. Tonnetta Y Scott on behalf of PUCO