



March 28, 2014

Docketing Division The Public Utilities Commission of Ohio 180 East Broad Street, 11th Floor Columbus, Ohio 43215

Re: Case No. 14-1000-EL-ESS

Docketing Division:

Pursuant to Rule 26 of the Electric Service and Safety Standards, Ohio Administrative Code 4901:1-10-26(B), The Dayton Power and Light Company herewith electronically submits its Annual Report.

Thank you for your assistance and your attention to this matter. If you have any questions please feel free to call me at (937) 259-7906.

Sincerely,

RALL

Robert Adams Regulatory Operations

BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Annual Report of Dayton Power and Light Co Pursuant to Rule 26 of the Electric Service and Safety Standards, Ohio Administrative Code 4901:1-10-26

Case No. 14-1000-EL-ESS

ANNUAL REPORT OF THE DAYTON POWER AND LIGHT CO COMPANY

4901:1-10-26, Dayton Power and Light Co ("DPL") submits the following Annual Report. The Report is Pursuant to Rule 26 of the Electric Service and Safety Standards, Ohio, Administrative Code attached. We/I certify that the following Report accurately and completely reflects the Annual Report requirements pursuant to Rule 26 of the Electric Service and Safety Standards, Ohio, Administrative Code 4901:1-10-26

Miké Shruba, Director, Power Delivery & Services Responsible For Transmission & Distribution Reporting

Report Date & Time: March 21, 2014 6:30 am

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Date

1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years)

And a state of the	Actual completion date			
,	Planned competion date	12/31/2017	12/31/2014	12/31/2015
ġ,	Date of initiation of program or project	01/01/2017	01/01/2014	01/01/2015
	Estimated cost for Implementation	0	4,000,000	4,000,000
Ô,	Characteristics of territory offected	Various	Various	Various
	Portion of service territory effected	Various	Various	Various
C.	Description of project/program and goals of planned investment	Capacitor Program - install new capacitors and controls to optimize reactive supply on circuits	Cable Replacement Program - replace or inject deteriorating bare neutral primary cable	Cable Replacement Program - replace or inject deteriorating bare neutral primary cable
4	Transmission or distribution ("T" or "D")	Ω	О	۵
	ldentification of project/program or plan by facility, equipment, or project name	CAP-010	CRP-007	CRP-008

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1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ... Continued ...

****	Actual. completion date				
Ь.	Planned completion date	12/31/2017	06/30/2014	06/30/2014	05/30/2014
ď	Date of Initiation of project	01/01/2017	01/01/2014	01/01/2014	01/01/2014
4	Estimated cost for implementation	4,100,000	350,000	130,000	950,000
θ.	Characteristics of territory effected	Various	Urban	Urban	Rura
d.	Portion of service territory effected	Various	Kettering	Centerville	Various
	Description of project/program and goals of planned investment	Cable Replacement Program - replace or inject deteriorating bare neutral primary cable	Kettering AO1202 -install parallel riser	RH1215 tie to RJ1230 - reliability and switching flexibility	Replace 20 MVA transformer with new 30 MVA transformer at Cisco Substation
b.	Transmission or distribution ("T" or "D")	Ö.	a .	Q	۵
R	ldentification of project/program or plan by facility, equipment, or project name	CRP-010	DIS-040	DIS-041	DIS-042

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DPL Inc Dayton Power and Light Co Rule #26 2013

Electric Service And Safety Standards

1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ... Continued ...

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dentification of projecuptogram or ptan by facility, equipment, or project name	Transmission or distribution ("T" or "D")	Description of project/program and goals of planned investment	a. Portion af service territory effected	e. Characteristics of territory effected	L. Estimated cost for implementation	9. Date of initiation of program or project	n. Planned completion date	Actual Actual completion date
DIS-043	۵	Replace 10 MVA transformer with 20 MVA transformer at Staunton substation	Various	Runa	230,000	01/01/2014	05/30/2014	
DIS-044	}_	Hutchings - new relay house and relay upgrades	Various	Various	4,500,000	01/01/2014	06/30/2016	
ORP-007	Ð	Overhead Reliability Program - complete repairs, upgrades or other reliability improvements to least-reliable circuits	Various	Various	1,000,000	01/01/2014	12/31/2014	

1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ... Continued ...

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a.	n.	3	0.	e,		0.	Ū.	
Identification of project/program or plan by facility, equipment, or project name	Transmission or distribution ("T" or "D")	Description of project/program and goals of planned investment	Portion of service territory effected	Characteristics of territory effected	Estimated cost for implementation	Date of initiation of program or project	Planned completion dafe	Actual completion date
ORP-008	۵	Overhead Reliability Program - complete repairs, upgrades or other reliability improvements to least-reliable circuits	Various	Various	1,000,000	01/01/2015	12/31/2015	
00-97009 	Ω.	Overhead Reliability Program - complete repairs, upgrades or other reliability improvements to least-reliable circuits	Various	Various	1,000,000	01/01/2016	12/31/2016	

1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ... Continued ...

g. h. i.	Date of Planned Actual Initiation of completion program or date date	01/01/2017 12/31/2017	01/01/2017 12/31/2017
-	Estimated cost for implementation	1,000,000	1,250,000
Ð.	Characteristics of territory effected	Various	Various
q	Partion of service territory effected	Various	Various
ů	Description of projec/brogram and goafs of planned investment	Overhead Reliability Program - complete repairs, upgrades or other reliability improvements to least-reliable circuits	Planned replacement of cutouts
þ,	Transmission or distribution ("T" or "D")	Ω	a
	ldentification of project/program or plan by facility, equipment, or project name	ORP-010	PCR-007

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1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ... Continued ...

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Identification of project/program or plan by facility, equipment, or project name	Transmission or distribution ("T" or "D")	Description of project/program and goals of planned investment	Portion of service territory effected	Characteristics of terrifory effected	Estimated cost for implementation	Date of Initiation of program or project	Planned completion date	Actual completion date
PRP-010	Ω	Distribution Pole Inspection and Replacement Program - inspect distribution poles and repair/replace poles as necessary	Various	Various	4,950,000	01/01/2017	12/31/2017	:
RAP-010	۵	Reliability Action Plan - complete repairs, upgrades or other reliability improvements to feast-reliable branch-lines	Various	Various	350,000	01/01/2017	12/31/2017	

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1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ... Continued ...

	*9	C.	d,	6		a.	۹.	*
Identification of project/program or pjan by facility, equipment, or project name	Transmission or distribution ("T" or "D")	Description of project/program and goals of planned investment	Portion of service territory effected	Characteristics of territory effected	Estimated cost for implementation	Date of Initiation of program of project	Planned completion date	Actual completion date
RTO-003	⊢	PJM Regional Transmission Expansion Plan - Bath - Trebein 138 kV reconductor	Bulk Electric System (BES)	Various	1,400,000	01/01/2015	06/01/2017	
RTO-007	F	PJM Regional Transmission Expansion Plan - Hutchings - Sugarcreek 138 kV reconductor	Bulk Electric System (BES)	Various	2,000,000	01/01/2014	06/01/2014	
RTU-007	С	RTU Installation Program - replace obsolete monitoring equipment with new RTU's that also provide control functions	Various	Various	0	01/01/2014	12/31/2014	

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1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ... Continued ...

f. 4. h.	Estimated cost Date of Planned for initiation of completion implementation project date	0 01/01/2015 12/31/2015	0 01/01/2017 12/31/2017
	Characteristics of territory effected	Various	Various
d.	Portion of service territory effected	Various	Various
	Description of project/program and goals of planned investment	RTU Installation Program - replace obsolete monitoring equipment with new RTU's that also provide control functions	RTU Installation Program - replace obsolete monitoring equipment with new RTU's that also provide
b.	Transmission or distribution ("T" or "D")	Ω	D
**************************************	tdentification of project/program or plan by facility, equipment, or project name	RTU-008	RTU-010

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1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ... Continued ...

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ldentification of project/program of plan by facility, equipment, or project name	Transmission or distribution ("T" or "D")	Description of project/program and goals of planned investment	Portion of service territory effected	Characteristics of territory effected	Estimated cost for implementation	Date of initiation of program or project	Planned completion date	Actual completten dâtê
TBR-010	ł	Transmission Breaker Replacements - replace breakers as needed	Various	Various	0	01/01/2017	12/31/2017	
7PI-010	jaa.	Transmission Pole Inspection - inspect transmission poles and repair or replace as necessary	Various	Various	500,000	01/01/2017	12/31/2017	
TRU-009	h	Transmission Relay Upgrade - replacing/upgradi ng transmission relays	Various	Various	1,300,000	01/01/2017	12/31/2017	

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Notes

The projects and programs detailed in this report are designed to ensure high quality, safe, and reliable delivery of energy to customers and/or provide for additional capacity for future load growth. The capital and maintenance resources invested are generally focused in specific localized areas and do not necessarily translate into improvements in global or system-wide reliability performance indices such as CAIDI and SAIFI.

1.a. 4901:1-10-26 (B)(1)(a) Relevant Characteristics Of The Service Territory

Facility Type	Total Overhead Miles	Total Underground Miles	Othër Notable Characteristics
Q	10,554	3,536	
1		4	

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1.b 4901:1-10-26 (B)(1b) Future investment plan for facilities and equipment (covering period 2013 to 2017)

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2017	Projected	\$11,650,000	\$11,200,000
2015	Projected	\$11,750,000	\$6,300,000
20 70	Projected	\$11,750,000	\$1,700,000
2014	Planned	\$13,460,000	\$6,982,000
2013	Actual	\$14,316,000	\$954,000
20	ให้เลยคล	000'006'6\$	\$1,550,000
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2. 4901:1-10-26 (B)(1)(d)&(f) Complaints From Other Entities

"ສົ	lf unresolved givê explanation why	
الإستر	Date résolved	
ġ.	Complaint rosofved (Yës or No)	
đ,	Action taken to address complaint	
Ű	Nature of complaint	
b,	Dafe complaint received	
ţ	Complaint(s) from other electric utility companies, regional transmission entity, or competitive retail electric supplier(s) (list individuality)	
	d, e, f.	b. c. d. e. f. Date Nature of Action taken to address Complaint Date resolved complaint complaint complaint Complaint Date resolved received reseived (Yes or No) (Yes or No)

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3.a. 4901:1-10-26 (B)(1)(e) Electric Reliability Organization Reliability Standards Violation

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3.b. 4901:1-10-26 (B)(1)(e) Regional Transmission Organization (RTO) Violations

Rame of R.E. Violation	Uescription

3.c. 4901:1-10-26 (B)(1)(e) Transmission Load Relief (TRL)

Description		
Amount of toad (WW)	Interrupted	
Firin load interrupted		
Highest TLR level during	ê vent	
TLR Event End		
TLR Event Start		

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3.d. 4901:1-10-26 (B)(1)(e) Top Ten Congestion Facilities By Hours Of Congestion

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Case No. 14-1000-EL-ESS Our annual system improvement plan includes the regional transmission operator's transmission project plan. The RTO driven projects are the installation of a 345/138 kV transformer, the addition of Taylor 345/69 kV Substation and Transmission, Burdox-Webster 138 kV reconductoring, and Hutchings-Sugarcreek second Shelby 345/138 kV transformer, the Greene-Alpha 138 reconductoring, the Bath-Trebein 138 kV reconductoring, the installation of a second Bath Relationship between annual system improvement plan and RTO transmission expansion plan 3.e. 4901:1-10-26 (B)(1)(e) Annual System Improvement Plan And Regional Transmission Operator (RTO) Expansion Plan **Electric Service And Safety Standards** Dayton Power and Light Co Page 19 of 85 Rule #26 2013 Report Date & Time: March 21, 2014 6:30 am 138kV reconductoring.

DPL Inc

4. 4901:1-10-26 (B)(2) Report Of Implementation Plan From Previous Reporting Period

a. Identification of previously planned action. CAP-006 CAP-007 CAP-008 CAP-009 CRP-006	b. Transmission Oistribution ("T" or "D") D D D	c. Planned completion date 12/31/2013 12/31/2015 12/31/2016 12/31/2015 12/31/2015	d. Actual of action 12/31/2013 12/31/2013	e. Identification of deviation(s) from goals of previous plain Reduced dollars Reduced dollars Reduced dollars Reduced dollars Reduced dollars	f. Reason(s) for each identified deviation Reduced scope of project Program on hold Program on hold Program on hold Based on 2013 actual dollars
CRP~009	a	12/31/2016		Reduced dollars	Revised budget
DIS-035	G	06/01/2013	06/10/2013	Cost adjustment	Based on 2013 actual dollars
DIS-037		12/31/2013		Reduced dollars	Program on hold

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4. 4901:1-10-26 (B)(2) Report Of Implementation Plan From Previous Reporting Period ... Continued ...

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Identification of previously planned action	Transmission or Distribution ("f" or "D")	Planned completion date	Actual completion date of action	ldentification of devlation(s) from goals of previous plan	Reason(s) for each identified deviation
DIS-038	C	12/31/2014		Reduced dollars	Program on hold
DIS-039	۵	06/01/2013	06/10/2013	Actual cost	Based on 2013 Actual dollars
ORP-006	Q	12/31/2013	12/31/2013	Reduced dollars	Based on 2013 actual dollars
PCR-003	Ω	12/31/2013	12/31/2013	Reduced dollars	Based on 2013 actual dollars
PCR-004	۵	12/31/2014		Increased dollars	Revised budget
PCR-005	۵	12/31/2015		Increased dollars	Revised budget
PCR-006	۵	12/31/2016		Increased dollars	Revised budget
900-97G	Ω.	12/31/2013	12/31/2013	Increase dollars	Based on 2013 actual dollars

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4. 4901.1-10-26 (B)(2) Report Of Implementation Plan From Previous Reporting Period ... Continued ...

Ċ.	b,			ġ	ţ,
ldentification of previously planned action	Transmission of Distribution ("T" or "D")	Planned completion date	Actual completion date of action	Identification of deviation(s) from goals of previous plan	Reasori(s) for each Identified deviation
PRP-007	Q	12/31/2014		Increased dollars	Increased scope of project
PRP-008	a	12/31/2015		Increased dollars	Increased scope of project
PRP-009	۵	12/31/2016		Increased dollars	Revised budget
RAP-006	D	12/31/2013	12/31/2013	Reduced dollars	Based on 2013 actual dollars
RAP-007	Q	12/31/2014		Reduced dollars	Reduced scope of project
RAP-008	D	12/31/2015		Reduced dollars	Reduced scope of project
RAP-009	0	12/31/2016		Reduced dollars	Revised budget
RTO-001	þ .	06/01/2014	· · · ·	Reduced dollars	Revised estimate
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4. 4901:1-10-26 (B)(2) Report Of Implementation Plan From Previous Reporting Period ... Continued ...

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ldentification of previously planned action	Transmission or Distribution ("T" or "D")	Planned completion date	Actual complétion date of action	ldéntfficatión of devlation(s) from goals of previous plan	Reason(s) for each identified deviation
RTO-002		06/01/2014		Reduced dollars	Revised estimate
RTO-004	ţome.	06/01/2017		Changed planned start date	Adjustment in schedule
RTO-005	-	06/01/2018		Changed planned start date	Adjustment in schedule
RTO-006	÷	06/01/2014		Reduced cost	Revised cost estimate
RTU-006	Ω	12/31/2013		Increased dollars	Revised budget
RTU-009	Q	12/31/2016		Reduced dollars	Program on hold
TBR-006	ţ	12/31/2013		Reduced dollars	Reduced scope of project
TBR-007	jaan.	12/31/2014		Reduced dollars	Transmission Breaker Replacements will be completed as needed.

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4. 4901:1-10-26 (B)(2) Report Of Implementation Plan From Previous Reporting Period ... Continued ...

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Identification of previously planned action	Transmission or Distribution ("T" or "Q")	Planned completion date	Actual completion date of action	ldentification of devlation(s) from goals of previous plan	Reason(s) for each itiontified deviation
TBR-008)	12/31/2015		Reduced dollars	Transmission Breaker Replacements will be completed as needed.
TBR-009	↓	12/31/2016		Reduced dollars	Transmission Breaker Replacernents will be completed as needed.
TPI-006		12/31/2013	12/31/2013	Reduced dollars	Based on 2013 actual dollars
700-I4T	jin	12/31/2014		Increased dollars	Increased scope of project
TPI-008		12/31/2015		Increased dollars	Inceased scope of project
1P1-009	funda da seconda da se	12/31/2016	-	Increased dollars	Revised budget
TRU-005	2000 2000	12/31/2013	12/31/2013	Reduced dollars	Reduced scope of project
	71-22-20 A	والتحاث فسيرود وأخرف سويدار أعد خمائلة لمداد أأقطعا فاستنقاه المالات المكالي ويردعهم سنك	A non-second second	"PALEWORKSHIPSON"	20 × 1 × 10 × 10 × 10 × 10 × 10 × 10 × 1

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4. 4901:1-10-26 (B)(2) Report Of Implementation Plan From Previous Reporting Period ... Continued ...

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ldentification of previously planned action	Transmission or Distribution ("T" or "D")	Planned completion date	Actual completion date of action	tdentffication of deviation(s) from goals of prevjous plan	Reason(s) for each identified deviation
TRU-006		12/31/2014		Reduced dollars	Revised budget
TRU-007		12/31/2015		Increased dollars	Increased scope of project
TRU-008	particular and a second	12/31/2016		Increased dollars	Increased scope of project

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5. 4901:1-10-26 (B)(3)(a) Characterization Of Condition Of Company's System

System reliability performance is a good indicator of the physical condition of the system and industry standard measures show that system performance is consistently reliable. DP&Ls transmission has the capacity to meet projected loading. System Operating monitors the condition of the transmission system on a daily basis. Any findings that may impact safety or reliability are immediately addressed. The performance of the electric system over a period of several shows the distribution system to be in excellent condition. Consistently safe and reliable service can only be achieved

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6. 4901:1-10-26 (B)(3)(b) Safety and Reliability Complaints

	1
Type of system	Total number of safety & reliability complaints received directly from customers

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6.a. 4901:1-10-26 (B)(3)(b) Safety and Reliability Complaints Detailed Report

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Type of system	Availability of service	Damage	Momentary Interruption	Out of service	Quality of utility product	Kepair service	Public safety
	0	32	8	49	18		0

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7.a. 4901:1-10-26 (B)(3)(c) Transmission Capital Expenditures - Reliability Specific

Total transmission Investment = \$415,536,316

Account \ SubAccount Transmission Blankets-Other Lansmission-Substatio n Reliability	2013 budget 0	Budget as percent of investment 0.00%	2013 actual 719,000 993,000	Actual as percent of investment 0.17% 0.24%	2014 budget 0	Current as percent of litivestment 0.00%	Explaination of variance if over 10%. Trainsision Blankets-Other and Distribution Blankets-Other are budgeted together as one number. The budget is only included in Distribution Blankets-Other. Transmission Catastrophic Repairs and Distribution Catastrophic Repairs were budgeted together as one number. The budget is only included in Distribution Catastrophic Repairs.
	6,423,000	1.55%	4,149,000	1.00%	1,020,000	0.25%	Planned projects came in under budget and a breaker replacement project was cancelled because existing breaker met capacity requirements.
	1,800,000	Ò.43%	197,000	0.05%	1,000,000	0.24%	DP&L received credits from shared projects.

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7.b. 4901:1-10-26 (B)(3)(c) Transmission Maintenance Expenditures - Reliability Specific

Total transmission investment = \$415,536,316

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Account \ SubAccount	2013 Budget	Budget as percent of Investment	2013 Actual	Actual as percent of investment	2014 Budget	Current as percent of investment	Explanation of variance if over 10%
Transmission Reliability	1,616,519	0.39%	1,170,913	0.28%	1,504,168	0.36%	A project originally scheduled for 2013 was moved to 2014 due to timing and safety certification requirements.

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8.a. 4901:1-10-26 (B)(3)(d) Distribution Capital Expenditures - Reliability Specific

Total distribution investment = \$1,513,563,904

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Account V SubAccount	2013 Budget	Budgét as percent of investment	2013 Actual	Actual as percent of investment	2014 និមាជថ្ងទt	Current as percent of Investment	Explanation of variance if over 10%
Distribution Blanket-Transformers	12,500,000	0.83%	13,259,000	0.88%	15,000,000	0.99%	
Distribution Blanket-Other	0,00,000	0.59%	9,018,000	0.60%	8,600,000	0.57%	
Distribution-Specific Projects	2,700,000	0.18%	1,596,000	0.11%	2,337,000	0.15%	Planned projects came in under budget or were cancelled.
Distribution-Field Reliability	7,850,000	0.52%	8,731,000	0.58%	7,850,000	0.52%	DP&L replaced more poles than originally scheduled.
Distribution-Underground Reliability	4,000,000	0.26%	3,909,000	0.26%	4,000,000	0.26%	
Distribution-Pfanning Reliability	1,400,000	0.09%	1,230,000	0.08%	2,050,000	0.14%	Replaced fewer 12kV capacitor banks than intially budgeted. The volume of new capacitor bank installations to provide voltage support was not as anticipated.

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8.a. 4901:1-10-26 (B)(3)(d) Distribution Capital Expenditures - Reliability Specific

Total distribution investment = \$1,513,563,904

Åccount i SubAccount	2013 Budget	Budget as percent of investment	2013 Actual	Actual as percent of Investment	2014 Budget	Current as pércent of livestment	Explanation of variance if over 10%
Distribution-Substation Reliability	2,210,000	0.15%	5,889,000	0.39%	3,410,000	0.23%	Transmission Catastrophic Repairs and Distribution Catastrophic Repairs were budgeted together as one number. The budget is only included in Distribution Catastrophic Repairs. Transmission and Distribution auto transformer failures drove additional scend.

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8.b. 4901:1-10-26 (B)(3)(d) Distribution Maintenance Expenditures - Reliability Specific

Total distribution investment = \$1,513,563,904

Account 1 SubAccount	2013 Budget	Budget as percent of Investment	2013 Áctual	Actual as percant of linvestment	2014 Budget	Current as percent of investment	Explanation of variance if over 10%
Distribution Reliability	32,154,018	2.12%	35,331,155	2.33%	34,585,779	2.29%	

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9. 4901:1-10-26 (B)(3)(e) Average Remaining Depreciation Life Of Distribution And Transmission Facilities

đ	p,	ť	d.	÷		ö	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (accountsub account)	Total depreciable life of asset	Total depreciated life of asset	Total remaining life of asset.	Percent of average remaining depreciation life of asset	Depreciation of how age was determined
a	Installations on Customer Premises	371	20	19.00	.	5.00%	Net Plant/Gross Plant
0	Installations on Customer Premises	371	50	34.00	16	32.00%	Net Plant/Gross Plant
D	Leased Property on Customer Premises	372	40	40,00	Ö	0.00%	Net Plant/Gross Plant
Ω	Line Transformers	308	4	15.00	29	65,91%	Net Plant/Gross Plant
۵	Meters	370	32	9.00	23	71,88%	Net Plant/Gross Plant
Ω	Overhead Conductors and Devices	365	40	19.00	21	52,50%	Net Plant/Gross Plant
Ω	Poles, Towers and Fixtures	364	38	20.00	18	47,37%	Net Plant/Gross Plant
Ω	Services	369	33	25.00	¢	24.24%	Net Plant/Gross Plant
Q	Servicës	369	ê	17.00	16	48.48%	Net Plant/Gross Plant
۵	Station Equipment	362	50	17.00	33	66.00%	Net Plant/Gross Plant

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9. 4901:1-10-26 (B)(3)(e) Average Remaining Depreciation Life Of Distribution And Transmission Facilities ... Continued ...

Transmission or A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.	•2	ú	ť	ġ	سینا	ġ	۹ میر ساله
("U" or "U")	As ssee t 12 9 9	Assets assigned FERC subaccount (account/sub account)	Total depreciable life of asset	Total depreciated Hfé of asset	Total remaining life of asset	Percent of average reinalning depréctation life of asset	Deprectation of how age was determined
D Static	Station Equipment	362	50	50.00	0	0.00%	Net Plant/Gross Plant
D Static	Station Equipment	362	50	21.00	29	58.00%	Net Plant/Gross Plant
D Statić	Station Equipment	362	50	13,00	37	74.00%	Net Plant/Gross Plant
D Static	Station Equipment	362	50	10,00	40	80.00%	Net Plant/Gross Plant
D Static	Station Equipment	362	50	4.00	46	92.00%	Net Plant/Gross Plant
D Static	Station Equipment	362	20	39,00	6	22,00%	Net Plarit/Gross Plant
D Static	Station Equipment	362	50	43.00	Ż	14.00%	Net Plant/Gross Plant
D Static	Station Equipment	362	6	11.00	C	0.00%	Net Plant/Gross Plant
D Statio	Station Equipment	362	20	50,00	O	0.00%	Net Plant/Gross Plant
D Static	Station Equipment	362	20	50,00	O	0.00%	Net Plant/Gross Plant
D	Station Equipment	362	50	10.00	40	80.00%	Net Plant/Gross Plant

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9. 4901:1-10-26 (B)(3)(e) Average Remaining Depreciation Life Of Distribution And Transmission Facilities ... Continued ...

	r e -	ant	ant	ant	ant	ant	ant	Jut	ant	ant	ant	ant
h,	Deprectation of how age was determined	Net Plant/Gross Plant	Net PlanVGross Plant									
6	Percent of average remaining depreciation iffe of asset	53.33%	62.22%	55.56%	20.00%	66.67%	62.22%	33.33%	80.00%	100.00%	24.44%	64,44%
	Total remaining life of asset	24	28	25	65	30	28	15	36	4.	ų	29
ť	Total depreciated life of asset	21.00	17.00	20.00	36,00	15.00	17,00	30,00	9.00	0.00	34.00	16.00
d.	Total tepreciable life of asset	45	45	45	45	45	45	45	45	A5	45	45
Ċ	Asset's assigned FERC subaccount (account/sub account)	361	361	361	361	361	361	361	361	361	361	361
b.	Assét Type	Structures and Improvements										
ē	Transmission or distribution ("T" or "D")	Q	D	Ō	Ω	۵	Û	Q	D	Ω	Ω	D

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9. 4901:1-10-26 (B)(3)(e) Average Remaining Depreciation Life Of Distribution And Transmission Facilities ... Continued ...

an an	о. С.	, č	d,			5	*1
Transmission or distribution (''T' or 'D'')	Asset Typé	Asset's assigned FERC subaccount (account/sub account)	Total depreciáble life of asset	Total depreciated life of asset	Total remaining life of asset	Percent of average remaining depreciation life of asset	Depreciation of how age was determined
۵	Structures and Improvements	361	45	27.00	18	40.00%	Net Plant/Gross Plant
O	Structures and Improvements	361	45	38,00	Q	13.33%	Net Plant/Gross Plant
۵	Structures and Improvements	361	45	31.00	4	31.11%	Net Plant/Gross Plant
Q	Structures and Improvements	361	45	14.00	31	68.89%	Net Plant/Gross Plant
۵	Underground Conductor and Devices	367	38	17.00	21	55.26%	Net Plant/Gross Plant
۵	Underground Conduit	366	55	28.00	27	49.09%	Net Plant/Gross Plant
	Overhead Conductors and Devices	35ô	48	28.00	20	41.67%	Net Plant/Gross Plant
j	Overhead Conductors and Devices	356	68	38.00		2.56%	Net Plant/Gross Plant
-	Overhead Conductors and Devices	356	39	22.00	17	43.59%	Net Plant/Gross Plant
	Poles and Fixtures	355	47	26.00	21	44,68%a	Net Plant/Gross Plant

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9. 4901:1-10-26 (B)(3)(e) Average Remaining Depreciation Life Of Distribution And Transmission Facilities ... Continued ...

	Depreciation of how age was determined	Net Plant/Gross Plant	Net Plant/Gross Plant	Net PlanVGross Plant	Net Plant/Gross Plant	Net PlanUGross Plant	Net Plant/Gross Plant	Net Plant/Gross Plant	Net Plant/Gross Plant	Net PlanVGross Plant	Net Plant/Gross Plant	Net Plant/Gross Plant
5	Percent of average remaining depreciation life of asset	65.96% N	N %00'0	65.96% N	37.78% N	52.00% N	26.00% N	43.75% N	31.25% N	0.00%	34.00% N	14.00% N
	Total remaining life of asset	31	0	Š.	21	26	13	14	10	0	17	7
e,	Total depreciated life of asset	16.00	47.00	16.00	28.00	24,00	37.00	18.00	22,00	11,00	33,00	43,00
σ,	Total depreciable life of asset	47	47	47	45	50	50	32	32	÷	50	50
ن	Asset's assigned FERC subaccount (account/sub account)	355	355	355	359	353	353	353	353	353	352	352
b,	Asset Type	Poles and Fixtures	Poles and Fixtures	Poles and Fixtures	Roads and Trails	Station Equipment	Station Equipment	Station Equipment	Station Equipment	Station Equipment	Structures and Improvements	Structures and Improvements
à,	Transmission or distribution ("T" or "D")	J.	}	ļ	Ļ.,	<u>}</u>	ţ	ţ		}	j	

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9. 4901:1-10-26 (B)(3)(e) Average Remaining Depreciation Life Of Distribution And Transmission Facilities ... Continued ...

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Transmission or distribution ("T" or "D")	Asset TYD O	Assets assigned FERC subaccount (account/sub account)	Total depreciable life of asset	Totat depreciated life of asset	Total remaining life of asset	Percent of average remaining depreciation life of asset	Depreciation of how age was determined
Ŧ	Structures and Improvements	352	38	8.00	30	78.95%	Net Plant/Gross Plant
	Structures and Improvements	352	38	37.00	quer	2.63%	Net Plänt/Gross Plant
<u>j</u>	Towers and Fixtures	354	20	49.00	-	2.00%	Net Plan//Gross Plant
ļ	Towers and Fixtures	354	68	39,00	° O	0.00%	Net Plant/Gross Plant
ş	Towers and Fixtures	354	39	35.00	4	10.26%	Net Plant/Gross Plant
jeen.	Underground Conductor and Devices	358	45	27.00	18	40.00%	.Net Plant/Gross Plant
. j uma	Underground Conduit	357	60	41.00	6	31.67%	Net Plant/Gross Plant

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10. 4901:1-10-26 (B)(3)(f)(I) & (II) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation **Programs Summary Report**

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Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	ទិក០ផ្ទះឧអា ផ្ទួលដន	Achleve ("Y" or "N")	Summary of findings
SO	12/4 kV Relay Calibration	Calibrate 225 - 12/4 kV relays	λ.	Inspections completed as planned
Q	Capacitor Inspections (Fixed Bànks)	Complete the inspection of approximately 543 fixed capacitors annually	¥	Inspections completed as planned
D	Capacitor Inspections (Switched Banks)	Complete the inspection of approximately 828 switched capacitors annually	¥	Inspections completed as planned
D	Distribution Circuit Patrol	Inspect 91 circuits	٨	Inspections completed as planned
G	Distribution Line Clearance	Perform full circuit vegetation maintenance on approximately 20% of distribution system	X	Trimming completed as planned
D	Distribution Line Clearance Inspection	Evaluate 91 circuits	Y	Program goals were met

10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation Programs Summary Report ... Continued ...

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10. 4901:1-10-26 (B)(3)(1)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation Programs Summary Report ... Continued ...

23.		°.		Ű
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Šummary of findings
i mare	138 kV Aerial Patrol	Inspect 138 kV circuits, 4 times per year	¥	Inspections completed as planned
TS	138/69/33 kV Relay Calibration	Calibrate 524 - 138/69/33 kV relays	À	Inspections completed as planned
jun.	345 kV Aerial Patrol	Inspect 345 kV circuits, 4 times per year	Y	Inspections completed as planned
TS	345 kV Relay Calibration	Calibrate 6 - 345 kV relays	¥	Inspections completed as planned
Ŧ	69 kV Aerial Patrol	Inspect 69 kV circuits, semi-annually	.	Inspections completed as planned
ts	Circuit Breaker Preventive Maintenance	Complete maintenance on 216 circuit breakers	Y	Maintenance completed as planned
TS	External Visual Inspection of Substation Transformers	Inspect 300 Substation Transformers monthly	Y	Inspections completed as planned
T	Herbicide Application	Apply herbicide as needed	Ý	Spray program completed

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10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation Programs Summary Report ... Continued ...

	Summary of findings	Completed 99.9% of scheduled testing (1 breaker not operated due Stuart Unit #1 BK-1B Aux Transformer Out)	Testing completed as planned.	Maintenance completed as planned	Testing completed as planned.	Inspections completed as planned
	Achleve ("Y" or "N")	≻	7		7	7
ů.	Program goals	Conduct an operational test for breakers that are not otherwise operated during the calendar year	Perform power factor tests on 70 substation transformers	Complete maintenance on 56 LTCs	Perform 70 transformer oil dielectric breakdown tests	Infrared 300 Substation Transformers
	Frogram name	Operational Testing of Circuit Breakers	Substation Transformer Doble Test	Substation Transformer LTC Maintenance	Substation Transformers Dielectric Oll Breakdown Test	Thermographic Imaging of Substation Transformers
â	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	TS	TS	ТS	1S	S

10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation Programs Summary Report ... Continued ...

G.	Summary of findings	Inspections completed as planned	No thermographic inspection of transmission lines were scheduled in 2013	All goals met in 2013	Inspections completed as planned	Inspections completed as planned
Ĝ.	Achieve ("Y" or "N")	¥	¥	Å	Y	7
·······································	Program goals	Infrared approximately 2,362 Substation Switches	Perform thermographic inspections where needed	Trim trees where needed	Inspect approximately 1,300 Circuit Breakers monthly	Inspect 28 circuits in metro - no fly zone
b.	Program name	Thermographic Inspection of Substation Switches	Thermographic Inspection of Transmission Lines	Transmission Line Clearance	Visual Inspection of Circuit Breakers	Visual Inspection of Transmission Lines/Right-Of-Way
	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	ŝ	j	F−	TS	F

10.a. 4901:1-10-26 (B)(3)(f)(i) If Response in Column "d" Of Report 10 is "Yes"

*	2.	3,	<i>4</i> ,	ð.
Program name	Explanation of how goal were achieved	Description of extent of achievement	Quantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numerical values or percentages
12/4 kV Relay Calibration GOAL - Calibrate 225 - 12/4 kV relays	Testing completed as planned	Alf program goals were met.	391 relays were tested and calibrated. Additional relays were tested/calibrated ahead of schedule to help balance future volumes.	100% complete
Capacitor Inspections (Fixed Banks) GOAL - Complete the inspection of approximately 543 fixed capacitors annually	Inspections were completed as planned	Ali program goals were met	Inspected 538 fixed capacitor banks. Difference is related to circuits being re-evaluated and removing capacitor banks.	100% Complete

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DPL Inc Dayton Power and Light Co Rule #26	2013	Electric Service And Safety Standards
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10.a. 4901:1-10-26 (B)(3)(f)(i) If Response in Column "d" Of Report 10 is "Yes" ... Continued ...

4, 5,	Quantitative description Quantitative of goal in either description of numerical values or actual
ా	Description of extent of achtevement. Of goal in eithe numerical value percentages
	Description of extent of ac
	Explanation of how goal were achieved
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10.a. 4901:1-10-26 (B)(3)(f)(i) If Response in Column "d" Of Report 10 Is "Yes" ... Continued ...

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e ameri a ameri a ameri a ameri a ameri a ameri a ameri a ameri a ameri a ameri a a a a a a a a a a a a a a a a a a a	Explanation of how goal were achieved	Description of extent of achievement.	Quantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in éither numerical vatues or percentages
Distribution Line Clearance Inspection GOAL - Evaluate 91 circuits	Inspections were completed as planned	Alt program goals were met	Inspected 91 circuits in 2013	100% Complete
Monitor Branch Line Reliability Performance GOAL - Evaluate least-reliable branch lines and initiate remedial action where needed	Evaluated least reliable branch lines, inspected distribution facilities and initiated remedial action where needed	All program goals were met	Multiple branchlines on 4 distribution circuits were inspected and reliability plans initiated where appropriate	100% Complete
Monitor Circuit Reliability Performance GOAL - Evaluate least-reliable circuits and initiate remedial action where needed	Analyzed the 39 Rule 11 circuits through the Overhead Reliability Program	All program goals were met	Inspected and remediated reliability problems on ORP circuits	100% Complete

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10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...

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Ргодгат патре	Explanation of how goal were achieved	Description of extent of achievement	Cuantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numerical values or percentages
Pole Replacement and Testing Program GOAL - Inspect and test poles on approximately 13% of DP&L's circuits	Inspections were completed as planned	All program goals were met	32,215 poles were inspected and tested through the pole replacement program	100% Complete
Recloser Inspections GOAL - Complete the inspection of approximately 564 reclosers	Inspections were completed as planned	All program goals were met	Inspected 576 reclosers	100% Complete
Underground Device Inspections GOAL - Inspect URD devices on 334 map grids	Inspections were completed as planned	All program goals were met	Inspected 334 map grids containing URD devices	100% Complete

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10.a. 4901;1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...

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Program name	Explanation of how goal were achieved	Description of extent of achievement	Quantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numerical vatues or percentages
Visual Inspection of Airbreak Switches	Inspections were completed as planned	All program goals were met	Inspected 1575 switches	100% Complete
GOAL - Inspect approximately 1,552 switches				
Voltage Regulator Inspections	inspections were completed as planned	All program goals were met	Inspected 520 regulators. Difference is related to regulators installed or	100% complete
GOAL - 515 regulator inspections scheduled for 2013.			removed on the system.	
138 kV Aerial Patrol	Inspections were completed as	All program goals were met	Inspected 33-138 kV	100% Complete
GOAL - Inspect 138 kV circuits, 4 times per year			times each	

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10.a. 4901:1-10-26 (B)(3)(f)(i) If Response in Column "d" Of Report 10 is "Yes" ... Continued ...

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Program name	Explanation of how goal were achieved	Description of extent of achievement	Quantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numerical values of percentages
138/69/33 kV Relay Calibration GOAL - Calibrate 524 - 138/69/33 kV relays	Testing completed as planned	All program goals were met	671 relays were tested and calibrated. Additional relays were tested/calibrated ahead of schedule to help balance future volumes.	100% complete
345 kV Aerial Patrol GOAL - Inspect 345 kV circuits, 4 times per year	Inspections were completed as planned	All program goals were met	Inspected 14-345 kV transmission lines, 4 times each	100% Complete
345 kV Relay Calibration GOAL - Calibrate 6 - 345 kV relays	Inspections were completed as planned	All program goals were met	15 relays were tested/calibrated. Additional relays were tested/calibrated ahead of schedule to help balance future volumes.	100% Complete

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10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...

	6	3.	÷.	ů,
e Martin Martin O O S S S S S S S S S S S S S S S S S	Explanation of how goal were achieved	Description of extent of achievement	Guantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numerical values or percentages
69 kV Aerial Patrol GOAL - Inspect 69 kV circuits, semi-annually	Inspections were completed as planned	All program goals were met	Inspected 86-69 kV transmission lines, 2 times each	100% Complete
Circuit Breaker Preventive Maintenance GOAL - Complete maintenance on 216 circuit breakers	Inspections were completed as plarined	All program goals were met	Performed maintenance on 221 circuit breakers in 2013	100% complete
External Visual Inspection of Substation Transformers GOAL - Inspect 300 Substation Transformers monthly	Inspections were completed as planned	All program goals were met	Performed monthly inspections on 300 transformer units	100% Complete

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10.a. 4901:1-10-26 (B)(3)(f)(i) If Response in Column "d" Of Report 10 Is "Yes" ... Continued ...

	2.	3,	4.	5.
Program name a	Explanation of how goal were achieved	Description of extent of achievement	Quantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numerical values or percentages
Herbicide Application GOAL - Apply herbicide as needed	Herbicide applications were made in applicable areas for safety and reliability	All program goals were met	26 areas received herbicide application	100% Complete
Operational Testing of Circuit Breakers GOAL - Conduct an operational test for breakers that are not otherwise operated during the calendar year	Testing completed	All program goals were met	677 of 678 breakers operated or were operated in 2013. Completed 99.9% of scheduled testing (1 breaker not operated due Stuart Unit #1 BK-1B Aux Transformer Out).	99.9% complete
Substation Transformer Doble Test GOAL - Perform power factor tests on 70 substation transformers	Completed as planned	All program goals were met	Power factor testng was performed on 76 transformers	100% complete

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10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...

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e ultu 19 04 12 04	Explanation of how goal ware achieved	Description of extent of achievement	Quantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numerical vatues or percentages
Substation Transformer LTC Maintenance GOAL - Complete maintenance on 56 LTCs	Inspections were completed as planned	All program goals were met	Performed maintenance on 57 LTCs	100% complete
Substation Transformers Dielectric Oil Breakdown Test GOAL - Perform 70 transformer oil dielectric breakdown tests	Completed as planned	All program goals were met	Performed oil dielectric breakdown tests on 76 transformers	100% complete
Thermographic Imaging of Substation Transformers GOAL - Infrared 300 Substation Transformers	Inspections were completed as planned	All program goals were met	Performed infrared inspection on 300 transformer units	100% complete

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10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...

and the second sec	2.	3.	4,	6.
រិះសុម្មវ័ងពា អេដាខ	Explanation of how goal were achieved	Description of extent of achievement	Quantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numericaf values or percentages
Thermographic Inspection of Substation Switches	Inspections were completed as planned	All program goals were met	Performed inspections on 2362 substation switches	100% complete
GOAL - Infrared approximately 2,362 Substation Switches				
Thermographic Inspection of Transmission Lines	N/A	N/A	No inspections were scheduled in 2013	N/A
GOAL - Perform thermographic inspections where needed				
Transmission Line Clearance	Spot trimmed as necessary	All program goals were met	Spot trimming completed in 324 locations	100% Complete
GOAL - Trim trees where needed				

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10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...

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g ne n n n n n n n n n n n n n n n n n n	Explanatión of how goal were achieved	Description of extent af achievement	Quantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numerical values or percentages
Visual Inspection of Circuit Breakers GOAL - Inspect approximately 1,300 Circuit Breakers monthly	Inspections were completed as planned	Ail program goals wère met	1300 circuit breakers were inspected monthly	100% complete
Visual Inspection of Transmission Lines/Right-Of-Way GOAL - Inspect 28 circuits in metro - no fly zone	Inspections were completed as planned	All program goals were met	Inspected 25 circuits in metro no fly zone (3 circuits were taken out of service)	100% Complete

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10b. 4901:1-10-26 (B)(3)(f)(i) If Response in Column "D" Of Report 10 is "No"

	2.	3.	Â.	s.
Program name	Cause(s) for not achieving goal(s)	Description of level of completion of goal	Quantitative description of goal in either numerical values or percentages	Quantitative description of level of completion of goal in either numerical values or percentages

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity

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ning managan ang ang ang ang ang ang ang ang a	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program finding(s) causing remediat activity	Remedial activity performed	Actual completion date	Remedial activity yet to be performed	Estimated completion date
	SQ					
GOAL - Calibrate 225 - 12/4 kV relays						
	F					
	TS					
GOAL - Calibrate 524 - 138/69/33 kV relays						

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

<u> </u>			f*	-unaand-reeronaan-
7	Estimated completion date			
6.	Remedial activity yet to be performed			
5.	Actual completion date	01/31/2014		
4.	Remedial activity performed	Completed 1 repair to critical items, 7 repairs to medium items and 6 repairs to minor items		
ů.	Program finding(s) causing remedial activity	The following maintenance items were identified during transmission line inspections: Critical: 1 item, Medium priority: 13 items, Minor : 7 items		
Ž.	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "D\$"		TS	imi
	Program name	345 kV Aerial Patrol GOAL - Inspect 345 kV circuits, 4 times per year	345 kV Relay Calibration GOAL - Calibrate 6 - 345 kV relays	69 kV Aerial Patrol GOAL - Inspect 69 kV circuits, semi-annually

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

*	Estimated çompletion date	12/31/2014
e.	Remedial activity yet to be performed	42 maintenance repairs to be completed from the 2013 inspections. Additionally, 31 repair items need to be completed from 2012 inspections, 14 repair items from 2011 inspections and 1 repair item from 2010 inspections which will be scheduled with regular work on the circuit
	Actual completion date	
Â.	Remodial activity performeti	Completed 82 repairs to capacitors in 2013.
3.	Program finding(s) causing remedial activity	124 repair items were indentified during the capacitor inspections. Typical reapirs include replacing blown lightning arresters, controls, blown fuses, etc.
2°	Transmission "T", distribution "D", transhission substation "TS", or distribution substation "DS"	Q
,	Program name	Capacitor Inspections (Fixed Banks) GOAL - Complete the inspection of approximately 543 fixed capacitors annually

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

6. 7.	Remedial activity Estimated yet to be completion performed date				
5.	Actual Remedia completion yet date perfo				
.A.,	Remedial activity performed				
3.	Program finding(s) causing remedial activity				
2.	Transmission "T", distribution "D", transmission substation "T\$", or distribution substation "D\$"	Ω		S	
.	Program name	Capacitor Inspections (Switched Banks)	GOAL - Complete the inspection of approximately 828 switched capacitors annually	Circuit Breaker Preventive Maintenance	GOAL Complete maintenance on 216

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

7.	Es timated completion date	12/31/2014	
6.	Remedial activity yet to be performed	3413 items are remain from the 2013 inspections. Additionally, 1656 repair items from 2012 inspections, 1029 repair items from 2011 inspections and 208 repair items still need to be completed from 2010 inspections which will be scheduled with routine work on the circuits.	
5.	Actual completion date		
4.	Remedial activity performed	As of 2/4/14, 8,774 items have been completed	
3,	Program finding(s) causing remediat activity	12,187 repairs were identified during the inspections. Repair items include broken down guys, blown arrestors, broken x-arms, etc.	
2.	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Ω	۵
	Program name	Distribution Circuit Patrol GOAL - Inspect 91 circuits	Distribution Line Clearance GOAL - Perform full circult vegetation maintenance on approximately 20% of distribution system

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

¥.	Estimated completion date		
Ĝ.	Remedial activity yet to he performed		3 repairs are scheduled in corijunction with next maintenance cycle.
5 *	Actual completión date		
<i>4</i> .	Remedial activity performed		Repairs were completed on 14 transformers
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Program finding(s) causing remedial activity		17 maintenance items were identifed as. requiring remedial activity. Examples of repair items include: inoperative cooling fans, inoperative winding temperature guage, bushing low oil level, low oil level in main tank or LTC compartments, major LTC filter oil leak and sudden pressure relay operations.
	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Q	Ts
~	Program name	Distribution Line Clearance Inspection GOAL - Evaluate 91 circuits	External Visual Inspection of Substation Transformers GOAL + Inspect 300 Substation Transformers monthly

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

	2. 	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	are to the density of the second sec		1941 - 1942 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 -	7,
Program name	Transmission "T", distribution "D", transmission substation "T\$", or distribution substation "D\$"	Program finding(s) causing remedial activity	Remedial activity performed	Actual completion date	Remedial activity yet to be performed	Estimated cómpletion date
Herbicide Application						
GOAL - Apply herbicide as needed						
Monitor Branch Line Reliability Performance	۵					
GOAL - Evaluate least-reliable branch lines and initiate remedial action where needed						

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

	7.	Estimated completion date	P 12/31/2014	
,	6.	Remedial activity yet to be performed	Refer to Rule 11 for specifics on remedial items for individual ORP circuits	
	5.	Actual completion date		
артал буршалаларуруу на алаларийн тэдийн нөөхөө өөхөө өөхөөсүүн өөхөөнөн алаан алаасаасаасаасаасаасаасаасаасаа	Ą.	Remedial activity performed	Refer to Rule 11 for specifics on remedial items for individual ORP circuits	
an a di na na nika ina k ^{an} ina <mark>na na n</mark>	З.	Program finding(s) causing remediat activity	Repair items were identified during the inspection of ORP circuits. Typical repair items include: Lightning årrestors, cut-out, pole replacements/reinforcem ents, cable injection or replacement	
	2,	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Ω	с С
	1	Program name	Monitor Circuit Reliability Performance GOAL - Evaluate least-reliable circuits and initiate remedial action where needed	Operational Testing of Circuit Breakers GOAL - Conduct an operational test for breakers that are not otherwise operated during the calendar

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

6. 7.	Remedial activity Estimated yet to be completion performed date	14, 2885 12/31/2015 tents to be	e items 12/31/2014 mpleted dditionally, 2 items need ed from the ons.
	Remedi Yet porf	As of 3/19/2014, 2885 pole replacements to be completed	3 maintenance items need to be completed from 2013. Additionally, 2 maintenance items need to be completed from the 2012 inspections.
3	Actual completion date	:	
and the second	Remedial activity performed	140 poles have been reinforced and 374 poles have been replaced	Completed 1 repair to recloser in 2013
3,	Program finding(s) causing remedial activity	3399 pofes initially failed the inspection and test	4 repair items were identified. Items identified include insulator, arrester and cutout issues.
	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	. <b>D</b> ` 	۵
	Program name	Pole Replacement and Testing Program GOAL - Inspect and test poles on approximately 13% of DP&L's circuits	Recloser Inspections GOAL - Complete the inspection of approximately 564 reclosers

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

. F.	2.	.3.	4.	<b>8</b> .	6.	7.
Program name	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program finding(s) causing remedial activity	Remedial activity performed	Actual completion date	Remedial activity yet to be performed	Estimated completion date
Substation Transformer Doble Test GOAL - Perform power factor tests on 70 substation transformers	TS	Changes in power factor readings require remedial actions such as bushing or transformer replacement. 6 problems were identified requiring bushing changeouts.	2 transformers were completed that required bushing changeouts		4 transformer problems requiring bushing replacements will be prioritized and scheduled in conjunction with next maintenance cycle	12/31/2014
Substation Transformer LTC Maintenance GOAL - Complete maintenance on 56 LTCs	S					

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

μ	2:	÷,	4 <b>4</b>	5.	6,	
a Man Mar Mar Mar Mar Mar Mar Mar Mar Mar Mar	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Proyram finding(s) causing remedial activity	Reinedial activity performed	Actual completion date	Remedial activity yet to be performed	Estimatéd completion date
Substation Transformers Dielectric Oll Breakdown Test GOAL - Perform 70 transformer oil dielectric breakdown tests	Ω Υ					
Thermographic Imaging of Substation Transformers GOAL - Infrared 300 Substation Transformers	TS					-

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

sing a second	a managama na sa	3.	4. 	2°°	<u>9</u>	
en name n name n n n n n n n n n n n n n n n n n n n	Transmission "T", distribution "D", traitsmission substation "TS", or distribution substation "DS"	Program finding(s) causing remedial activity	Remedatat activity performed	Actual completion date	Remedial activity yet to be parformed	Estimated completion date
Thermographic Inspection of Substation Switches GOAL - Infrared approximately 2,362 Substation Switches	- ST	Infrared inspections of substation switches identified bad or deteriorated contacts. 6 problems were identified during inspections	A second thermographic picture was taken to confirm problems. Once the problem(s) was confirmed the switches were replaced or removed from service, cleaned, maintenance and returned to service. 6 repairs were made in 2013.	12/31/2013		
Thermographic Inspection of Transmission Lines GOAL - Perform thermographic inspections where needed	þæ					

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10.c. 4901;1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

5, 6, 7.	Actual Remedial activity Estlimated completion yet to be completion date performed date			29 repair items still need 12/31/2014 to be completed. Additionally, 19 repair items still need to be completed from 2011 inspections and 16 repair items from 2010 inspections.
4.	Remedial activity performed			As of 1/21/14, 441 repairs are complète
3.	Program finding(s) causing remedial activity			470 repair items were identified during the underground device inspection program. Typical repair items can be described as defective locking mechanisms, defective pads, exposed cable
2	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "D\$"	jurn.	9999999 (1999) 1999	ß
÷	Frogram name	Transmission Line Clearance	GOAL - Trim trees where needed	Underground Device Inspections GOAL - Inspect URD devices on 334 map grids

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# Electric Service And Safety Standards

10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

*L	Estimatect complétion date	12/31/2014	12/31/2014
Ĝ,	Remedial activity yet to be performed	35 maintenance repairs to be completed from the 2013 inspections. Additionally, 1 repair item needs to be completed from 2012 inspections, 2 repair items from 2011 inspections and 2 repair items from 2010 inspections which will be scheduled with regular work on the circuit.	20 minor breaker problems are scheduled to be repaired in conjunction with next maintenance cycle.
5.	Actual completion date		
Å.	Remedial activity performad	Completed 37 air break repairs in 2013	Repaired 132 breaker problems
3.	Program finding(s) causing remediat acfivity	72 repair items were indentified during the air break inspections. Typical repairs include replacing blown lightning arresters, pole grounds, handles, etc.	Compressor or motor problems, tow oil or SF6 gas levels are examples of findings requiring remedial attention. 152 breaker problems were identified and prioritized
2°	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	۵	Š
1.	Program name	Visual Inspection of Airbreak Switches GOAL - Inspect approximately 1,552 switches	Visual Inspection of Circuit Breakers GOAL - Inspect approximately 1,300 Circuit Breakers monthly

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10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

	2,	3.	Å.	**	6.	7.
Program name	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program finding(s) cáusing remedial activity	Remedial activity performed	Actual completion date	Remedial activity yet to be performed	Estimated completion date
Visual Inspection of Transmission Lines/Right-Of-Way GOAL - Inspect 28 circuits in metro - no fly zone	⊢					
Voltage Regulator Inspections GOAL - 515 regulator inspections scheduled for 2013	Ω	6 regulators were identified during the regulator inspection program as needing replaced	Completed 6 regulator replacements	12/31/2013		

## Notes

activity for all transmission line aerial and foot patrols is combined and listed under the 345 kV aerial patrol programs. Minor items will be completed as maintenance For many programs, remedial activity was completed at various dates throughout the year. For these programs, the completion date is listed as 12/31. Remedial schedules permit. Remedial activity for fixed and switched capacitor inspections is combined and listed under fixed capacitor bank inspection.

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### 10.d. 4901:1-10-26 (B)(3)(f) Current Year Goals

Program goals	Calibrate 251 - 12/4 kV relays	Complete the inspection of approximately 538 fixed capacitors	Complete the inspection of approximately 825 switched capacitors	Inspect 91 circuits	Perform full circuit vegetation maintenance on approximately 20% of distribution system	Evaluate 91 circuits	Evaluate least-reliable branch lines and initiate remedial action where needed	Evaluate least-reliable circuits and initiate remedial action where needed	Inspect and test poles on approximately 10% of DP&L's circuits
 Program name	12/4 kV Relay Calibration	Capacitor Inspections (Fixed Banks)	Capacitor Inspections (Switched Banks)	Distribution Circuit Patrol	Distribution Line Clearance	Distribution Line Clearance Inspection	Monitor Branch Line Reliability Performance	Monitor Circuit Reliability Performance	Pole Replacement and Testing Program
 Transmission "T", distribution "D", transmission substation "T\$", or distribution substation "D\$"	SQ	٥	۵	a	Ω	۵	Q	Q	۵

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10.d. 4901:1-10-26 (B)(3)(f) Current Year Goals ... Continued ...

<b>3</b>	Program goals	Complete the inspection of approximately 576 reclosers	Inspect URD devices on 341 map grids	Inspect approximately 1,575 switches	0 regulator inspections scheduled for 2014	Inspect 138 kV circuits, 4 times per year	Calibrate 92 - 138/69/33 kV relays	Inspect 345 kV circuits, 4 times per year	Calibrate 7 - 345 kV relays	Inspect 69 kV circuits, semi-annually	Complete maintenance on 217 circuit breakers
2.	Program name	Recloser Inspections	Underground Device Inspections	Visual Inspection of Airbreak Switches	Voltage Regulator Inspections	138 kV Aerial Patrol	138/69/33 kV Relay Calibration	345 kV Aerial Patrol	345 kV Relay Calibration	69 kV Aerial Patrol	Circuit Breaker Preventive Maintenance
	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	۵	Ω	۵	٥	⊢.	TS T	jee.	TS	faa-	S.

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10.d. 4901.1-10-26 (B)(3)(f) Current Year Goals ... Continued ...

3.	Program goals	Inspect approximately 300 Substation Transformers monthly	Apply herbicide as needed	Conduct an operational test for breakers that are not otherwise operated during the calendar year	Perform power factor tests on 66 substation transformers	Complete maintenance on 49 LTCs	Perform 66 transformer oil dielectric breakdown tests	Infrared approximately 300 Substation Transformers	Infrared approximately 2,362 Substation Switches
2	Program name	External Visual Inspection of Substation Transformers	Herbicide Application	Operational Testing of Circuit Breakers	Substation Transformer Doble Test	Substation Transformer LTC Maintenance	Substation Transformers Dielectric Oil Breakdown Test	Thermographic Imaging of Substation Transformers	Thermographic Inspection of Substation Switches
9	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	TS		TS	TS	TS	TS	1S	T.

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## 10.d. 4901:1-10-26 (B)(3)(f) Current Year Goals ... Continued ...

	Program goals	Perform thermographic inspections where needed	Trim trees where needed	Inspect approximately 1,300 Circuit Breakers monthly	Inspect 25 circuits in metro - no fly zone
2.	Frogram name.	Thermographic Inspection of Transmission Lines	Transmission Line Clearance	Visual Inspection of Circuit Breakers	Visual Inspection of Transmission Lines/Right-OI-Way
	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	<b>}</b>	÷	TS	

11. 4901:1-10-26 (B)(3)(f)(iv) Prevention Of Overloading Or Excessive Loading Of Facilities And Equipment Program(s)

të.	, ż	c.
fransmission or Distribution ("T" or "D")	Program or plan name	Program Description
۵	Distribution Planning	The distribution planning process includes an ongoing analysis of each component and its response to current and projected peak loads. Short and long-range plans are developed and continually refined based on changing customer needs and the dynamic nature of the distribution system.
fere	Transmission Planning	DP&L performs an evaluation of its transmission system on an annual basis and in response to significant proposed changes to the system, such as the installation of a generating plant or a large change in customer load at a given location. DP&L bases its transmission system evaluations on a recent power flow model developed by ReliabilityFirst on behalf of its members. A detailed model of the DP&L transmission system is then inserted in order to include all 69 kV and 138 kV facilities. Changes may be made to the generation dispatch in order to evaluate the most stressful conditions on the system. The evaluations typically consist of comprehensive contingency analyses including outages of single segment transmission lines, multiple-terminal transmission lines, transformers, generating units, and double circuits. The results of these studies are checked for thermal overloading and excessive voltage drop according to NERC/ReliabilityFirst.

## 12. 4901:1-10-26 (B)(3)(f)(v) Actions To Remedy Overloading Or Excessive Loading Of Equipment And Facilities

Program Name = Distribution Planning

a.	\$	<b>C</b>	<b>a</b>	*		6
Transmission or distribution ("T" or "D")	Sub/Circuit namé	Date overfoading Identified	Plans to remedy overloading	Estimated completion date	Action(s) already taken to remedy overtoading	Actual completion date
۵	Bellbrook {D}/GK1201	01/06/2014	Phase Balancing	01/16/2014	Transfer load from phase B to phase A on Bellbrook circuit GK1201	01/16/2014
۵	Coldwater {D}/KA1201	05/01/2013	Phase Balancing	06/07/2013	Transfer load from phase A to phase B on Coldwater circuit KA1201	06/07/2013
Q	Coldwater {D}/KA1201	05/01/2013	Phase Balancing	05/07/2013	Transfer load from phase A to phase C on Coldwater circult KA1201	06/07/2013
Q	Gettysburg/LG1 202	01/01/2014	Phase Balancing	03/21/2014	Transfer load from phase C to phase A on Gettysburg circuit LG1202	
۵	West Manchester {D}/MC1201	07/01/2013	Phase Balancing	07/19/2013	Transfer load from phase B to phase A on West Manchester circuit MC1201	07/19/2013

# 12. 4901:1-10-26 (B)(3)(f)(v) Actions To Remedy Overloading Or Excessive Loading Of Equipment And Facilities ... Continued ...

Program Name = Distribution Planning

	3		d. Thing to summary of the distribution	<b>ů</b>	f. Antisats) aleanada falcas és	
sub/circuit bate name overloading identified			Flans to remedy qvertoading	tsumated completion date	Action(s) already taken to remedy overloading	actual completion date
West 01/01/2014 Phase Balancing (D)/MC1201		Phase Balancir	Đ	03/01/2014	Transfer load from phase C to phase B on West Manchester circuit MC1201	02/13/2014
Brookville/ME12 12/01/2013 Phase Balancing 03		Phase Balancin	ŋ	12/11/2013	Transfer load from phase B to phase A on Brookville circuit ME1203	12/11/2013
New 01/01/2014 Phase Balancing Lebanon/M11201		Phase Balancing		03/01/2014	Transfer foad from phase A to phase B on New Lebanon circuit MI1201	01/23/2014
Normandy 01/06/2014 Phase Balancing (D)/RN1201		Phase Balancing		01/16/2014	Transfer foad from phase B to phase C on Normandy circuit RN1201	01/16/2014
Normandy 01/06/2014 Phase Balancing (D)/RN1204		Phase Balancing		01/16/2014	Trainsfer load from phase C to phase B on Normandy circuit RN1204	01/16/2014

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# 12. 4901:1-10-26 (B)(3)(f)(v) Actions To Remedy Overloading Or Excessive Loading Of Equipment And Facilities ... Continued ...

Program Name = Distribution Planning

· · ·	Actual complétion date	12/23/2013	12/23/2013	01/07/2014	09/18/2013		01/16/2014
	Action(s) already taken to remedy overloading	Transfer load from phase A to phase B on Huber Heights circuit AN1208	Transfer load from phase A to phase C on Huber Heights circuit AN1208	Transfer load from phase C to phase A on Martinsville circuit HD1202	Transfer load from phase C to phase B on Webster circuit AY1237	Transfer load from phase C to phase A on Marysville circuit CB1208	Transfer load from phase B to phase C on Airway circuit AJ1205
6	Estimated completion date	12/23/2013	12/23/2013	01/07/2014	09/18/2013	06/01/2014	01/16/2014
d.	Plans to remedy overloading	Phase Balancing	Phase Balancing	Phase Balancing	Phase Balancing	Phase Balancing	Phase Balancing
	Date overloading identified	12/01/2013	12/01/2013	01/06/2014	03/01/2013	09/01/2012	01/06/2014
9*************************************	Sub/Circuit name	Huber Heights {D}/AN1208	Huber Heights {D}/AN1208	Martinsville/HD1 202	Webster {D}/AY1237	Marysville {D}/CB1208	Airway {D}/AJ1205
a, s	Transmission or distribution ("T" or "D")	۵	۵	D	۵	۵	۵

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# 12. 4901:1-10-26 (B)(3)(f)(v) Actions To Remedy Overloading Or Excessive Loading Of Equipment And Facilities ... Continued ...

Program Name = Distribution Planning

	Actual completion date	06/10/2013			03/03/2014	02/22/2013
	Action(s) alrgady taken to remedy overloading	Transfer foad from McCartyville circuit BG1202 to Botkins circuit BI1202	Transfer load from Dixie circuit RL 1209 to Kettering circuit AO1202	Transfer load from Dayton Mall circuit RJ1230 to Yankee circuit RH1215	Tränsfer load from Coldwater circuit KA1201 to Chickasaw circuit KH1202	Transfer load from Fort Recovery circuit KG1203 to Fort Recovery circuit KG1201
e.	Estimated completion date	07/01/2013	07/01/2014	07/01/2014	03/01/2014	02/22/2013
d.	Flans to remedy overloading	Reduce loading through transfers	Reduce loading through transfers	Reduce loading through transfers	Reduce loading through transfers	Reduce loading through transfers
č	Date overloading (dentified	03/01/2013	09/01/2014	09/01/2014	01/01/2014	02/01/2013
<b>b</b> ,	Sub/Circuit name	McCartysville/B G1202	Dixie (D)/RL1209	Dayton Mall (D)/RJ1230	Coldwater {D}/KA1201	Ft. Recovery/KG120 3
A second s	Transmission or distribution ("T" or "D")	۵	Đ	۵	a	D

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### Electric Service And Safety Standards

# 12. 4901:1-10-26 (B)(3)(f)(v) Actions To Remedy Overloading Or Excessive Loading Of Equipment And Facilities ... Continued ...

Program Name = Distribution Planning

ð	Actual completion date	07/16/2013
	Action(s) already faken to remedy overloading	Transfer load from Webster circuit AY1232 to Webster circuit AY1231
÷	Estimated completion date	07/16/2013
d.	Plans to remedy overloading	Reduce loading through transfers
õ	Date overloading identified	07/01/2013
b.	Sub/Circuit name	Webster {D}/AY1231
a,	Transmission or distribution ("T" or "D")	C

### Notes

The following load transfers were not required as anticipated load growth did not take place. Englewood circuit RE1207 from phase B to phase C; and Greenville circuit LD1205 from B phase to A phase. Case No. 14-1000-EL-ESS

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### 13. 4901:1-10-26 (B)(3)(f)(vi) Programs Deleted

á	Deleted program náme	
'n	Transmisston "T", distribution "D", transmission substation "TS", or distribution substation "DS"	

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### 14. 4901:1-10-26 (B)(3)(f)(vi) Programs Modified

b.	Modified program name	
æ	Transmission "T", distribution "D", transmission substation "T\$", or distribution substation "D\$"	

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### 15. 4901:1-10-26 (B)(3)(f)(vi) Program Added

<u>ئ</u> ر	b.
Transinission "F", distribution "D",	Added program hame
transmission substation "TS",	
or distribution substation "DS"	

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## 16. 4901:1-10-26 (B)(4) Service Interruptions Due To Other Entity

G.	Cause(s) of interruption of service	Other Electric Utility	Other Electric Utility
	Sub/Cricuit(s) interrupted	Troy (D)/OF1218	Kings Creek {T}/Kings Creek - Marysville [6660]
<b>6</b> .	Impact on transmission or distribution ("T" or "D")	۵	jue
антаналарын каларын кал ССУ	Name of entity causing the interruption	Pioneer REC	Pioneer REC
Č.	Type of entity causing interruption	Electric Distribution Utility	Electrič Distribution Utility
<b>A</b>	Time of Interruption	2:39:19PM	6:28:00AM
Δ.	Date of interruption	11/09/2013	05/21/2013

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in

Case No(s). 14-1000-EL-ESS

Summary: Annual Report for Rule 4901:1-10-26 Annual System Improvement Plan electronically filed by Mr. Robert J Adams on behalf of The Dayton Power and Light Company