

Regulatory Affairs 850 Tech Center Drive Gahanna, OH 43230 614-883-6884

TONI M. CUNNINGHAM Regulatory Consultant

Mr. John Williams Public Utilities Commission of Ohio 180 East Broad Street Columbus, OH 43215-3793

Re: PUCO Case No. 10-996-EL-UNC

March 31, 2010

Dear Mr. Williams:

The amended Electric Service and Safety Standard Rule 4901:1-10-26, OAC, adopted by the Commission to be effective on June 29, 2009, contains annual reporting requirements by Ohio's electric distribution utilities that are to be filed with the Commission on or before March 31 of each year for the previous calendar year.

Attached is Columbus Southern Power's and Ohio Power Company's 2009 report being filed pursuant to Rule 4901:1-10-26.

Sincerely,

Toni M. Cunningham Regulatory Consultant

Enclosures

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business.

Technician Date Processed MAR 3 1 2010

BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

2010 MAR 31 PM 4: 38

PUCC

In the Matter of the Annual Report of Ohio Power Company Pursuant to Rule 26 of the Electric Service and Safety Standards, Ohio

Administrative Code 4901:1-10-26

Case No. 10-996-EL-ESS

ANNUAL REPORT OF THE OHIO POWER COMPANY COMPANY

Pursuant to Rule 26 of the Electric Service and Safety Standards, Ohio, Administrative Code 4901:1-10-26, Ohio Power Company ("OP") submits the following Annual Report. The Report is 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

Joseph J. Hamrock, President & COO - AEP Ohio Responsible For Distribution Reporting	Date
Susan Tomasky, President AEP Transmission Responsible For Transmission Reporting	Date

Report Date & Time: March 30, 2010 12:31 pm

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Electric Service And Safety Standards

1. 4901:1-10-26 (B)(1)(a)&(b)&(c) Future investment plan for facilities and equipment (covering period of no less than three years)

a.	b.	C.	d.	e.	f.	g.	h.	i.
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	Expected completion date	Changes to previous year's plan or project
DP09CA004	D	The plan includes the upgrades necessary for the interconnection of the Wyandot Solar 10 MW solar facility. Upgrades include the addition of a control house, relay replacement, regulator control replacement, SCADA, distribution MOAB's, and primary metering.	Upper Sandusky Area, Western Ohio District	Suburban Upper Sandusky, Ohio	1,124,900	08/18/2009	06/01/2010	•

Electric Service And Safety Standards

1. 4901:1-10-26 (B)(1)(a)&(b)&(c) <u>Future investment plan for facilities and equipment (covering period of no less than three years)</u> ... Continued ...

8	b.	с.	d.	e.	f.	g	<u>h.</u>	i
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	Expected completion date	Changes to previous year's plan or project
TP-2006-035	T	This plan includes the replacement of limiting terminal equipment at Tidd station to increase the thermal capabilities of the line.	This project will increase the thermal capabilities of the Tidd-Canto n Central 345 kV line in central Ohio.	This project affects high voltage transfer capability across northeast Ohio.	873,000	03/05/2008	11/01/2010	

Electric Service And Safety Standards

1. 4901:1-10-26 (B)(1)(a)&(b)&(c) <u>Future Investment plan for facilities and equipment (covering period of no less than three years)</u> ... Continued ...

a	b	C.	d.	€.	f.	g.	h	l.
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	Expected completion date	Changes to previous year's plan or project
TP-2006-122	T	The plan involves conversion of the 34.5 kV subtransmission system between Newcomerstown and Cambridge to 69 kV operation, alleviating overloads and low voltage conditions, and replacing deteriorated facilities.	Cambridge Area	Commercial, Industrial and Rural Areas in Cambridge Ohio - Approximately 140 MW.	22,610,000	09/27/2007	12/01/2012	

Electric Service And Safety Standards

1. 4901:1-10-26 (B)(1)(a)&(b)&(c) Future investment plan for facilities and equipment (covering period of no less than three years) ... Continued ...

a.	b.	C,	d.	e.	f.	g.	h.	l.
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	Expected completion date	Changes to previous year's plan or project
TP-2007-073	Т	This project involves 69 kV reinforcements to alleviate overloads and low voltage conditions. Additional switching enhancements will also improve outage performance.	Wooster - Moreland - New Philadelphi a Area	The City of Wooster and adjacent rural areas; load of about 170 MW.	31,626,300	06/01/2007	12/31/2013	
TP-2007-115	T	This project involves rebuilding and reconductoring about 4 miles of 69 kV line.	Fremont Area	The City of Fremont; load of about 100 MVV.	2,700,000	06/01/2007	12/31/2010	
TP-2009-061	Т .	This plan Includes the replacement of an overdutied 138 kV circuit breaker at the Torrey Station.	Canton, Ohio area	Urban area of City of Canton.	359,000	10/01/2009	06/01/2010	

Electric Service And Safety Standards

1.a 4901:1-10-26 (B)(1)(a)&(b)&(c) Future investment plan for facilities and equipment (covering period 2009 to 2013)

		2009		2011	2012	2013
All Cost	All Cost Planned		Planned	Projected	Projected	Projected
a	\$ 62,235,607	\$63,633,865	\$66,269,342	\$69,867,220	\$67,648,505	75,130,443
т	\$38,000,000	\$55,984,000	\$38,000,000	\$40,000,000	\$40,000,000	40,000,000

Electric Service And Safety Standards

2. 4901:1-10-26 (B)(1)(d)&(e) Complaints from other entities

a,	b.	C.	ď.	e.	f.	g.
Complaint(s) from other electric utility companies, regional transmission entity, or competitive retail electric supplier(s) (list individually)	Date complaint received	Nature of complaints	Action taken to address complaint	Complaint resolved (Yes or No)	Date resolved	if unresolved give explanation why
Pretty Products outaged during circuit lockout.	01/28/200 9	Out of Service	Circuit sectionalized and customer restored	Yes	01/28/2009	
The circuit locked out due to an insulator breaking and the conductor was on the ground at N. 15th St. In Coshocton, Switching was performed and customer was returned to service. The Accounts Rep. said that Pretty Products was out of business	02/24/2009	Out of Service	Sectionalized circuit and restored customer	Yes	02/24/2009	,
Bayer Corp advises that they are experiencing abnormal voltage.	08/09/2009	Quality of Utility Product	Problem on customer equipment, their potentials had a blown fuse.	Yes	08/09/2009	

Electric Service And Safety Standards

2. 4901:1-10-26 (B)(1)(d)&(e) Complaints from other entities

а.	b,	c.	d.	e.	f.	g,
Complaint(s) from other electric utility companies, regional transmission entity, or competitive retail electric aupplier(s) (list individually)	Date complaint received	Nature of complaints	Action taken to address complaint	Complaint resolved (Yes or No)	Date resolved	if unresolved give explanation why
SCP reports blinking lights out of their Powhattan station.	03/06/2009	Repair Service	Advised that there were no circuit operations, and we had been switching 138kV Cap AA at Kammer which could result in Voltage fluctuations	Yes	03/06/2009	·
SCP reports their correctional facility customer is experiencing blinking lights.	05/30/2009	Repair Service	We showed no operations, voltage indication shows two possible operations, advised customer.	Yes	05/30/2009	

Electric Service And Safety Standards

8.	b.	G.	d.	€.	f.
identification of previously planned action	Transmission or Distribution ("T" or "D")	or completion date completion date deviation(s) from goals of previous plan		Resson(s) for each identified deviation	
DP06CA006	D	09/01/2010	07/07/2009	Completion delayed by 13 months	Availability of resources and reprioritization of workload.
DP06CO036	D	06/01/2006	05/01/2010	Station work has been completed. A portion of the distribution line is still delayed due to ODOT permit issues.	Reprioritization of workload, availability of mobile unit and ODOT permit delays.
DP07CA001	D	06/01/2010	04/01/2010	Completion delayed by 22 months.	Availability of resources and reprioritization of workload. Low priority for removal of old Baltic Station.
DP07CA044	D	12/31/2009	03/31/2009	Completion delayed by 10 months	Availability of resources and reprioritization of workload.

Electric Service And Safety Standards

a.	b.	c. ·	d.	e.	1.
identification of previously planned action	Transmission or Distribution ("T" or "D")	Planned completion date	Actual completion date of action	identification of deviation(s) from goals of previous plan	Reason(s) for each identified deviation
DP08CA001	D	06/01/2008	02/26/2009	Completion delayed by 9 months,	Availability of resources and reprioritization of workload.
DP08CA003	D	12/01/2010	10/09/2009	Completion delayed by 16 months.	Availability of resources and reprioritization of workload. Canceled scope change to add distribution automation.
DP08CA004	D	09/30/2009	01/22/2009	Completion delayed by 8 months.	Availability of resources and reprioritization of workload.
DP08CA008	D	06/01/2008	05/01/2010	Completion delayed by 21 months	Negotiations for additional land purchase and oil line relocation extended start date.
DP08CA009	D	06/01/2008	02/27/2009	Completion delayed by 9 months.	Availability of resources and reprioritization of workload.

Electric Service And Safety Standards

2.	b.	G.	d.	€.	f.
Identification of previously planned action	Transmission or Distribution ("T" or "D")	Planned completion date	Actual completion date of action	identification of deviation(s) from goals of previous plan	Reason(s) for each identified deviation
DP08CA021	D	06/01/2008	09/28/2009	Completion delayed by 20 months	Availability of resources, reprioritization of workload and delivered transformer did not pass field tests.
DP08CA043	D	06/01/2008	05/27/2009	Completion delayed by 12 months	New technology issues to resolve.
DP08CO026	Ď	08/01/2008	03/15/2009	Completion of work delayed B months.	Transmission line issues and reprioritization of workload.
DP08CO027	D	12/01/2008	08/26/2009	Completion of work delayed 9 months.	Right of way issues.
DP08CO034	D	06/01/2009	12/07/2009	Completion of work delayed 6 months.	Reprioritization of workload.

Electric Service And Safety Standards

a.	, b.	G.	d.	ę.	f.
identification of previously planned action	Transmission or Distribution ("T" or "D")	Planned completion date	Actual completion date of action	identification of deviation(s) from goals of previous plan	Reason(s) for each identified deviation
DP08C0044	D	06/01/2009	08/18/2009	Completion of work delayed 3 months.	Reprioritization of workload.
DP09CA001	D	12/01/2008	12/31/2011	Completion delayed by 15 months.	Availability of resources and reprioritization of workload.
DP09CA020	D	06/01/2009	09/01/2011	Completion delayed by 9 months	Availability of resources and reprioritization of workload.
DP09CA030	D	09/01/2009	12/31/2009	Completion delayed by 3 months	Availability of resources and reprioritization of workload.
DP09CA041	D	06/01/2009	12/31/2010	Completion delayed by 12 months	Land purchase for station expansion delayed by adjacent property owner.

Electric Service And Safety Standards

2.	b.	c.	d.	e.	f.
identification of previously planned action	Transmission or Distribution ("T" or "D")	Planned completion date	Actual completion date of action	identification of deviation(s) from goals of previous plan	Reason(s) for each identified deviation
DP09CO026	D	09/01/2009	01/19/2010	Completion of work detayed 5 months.	Delays in land purchase and relocation of storm sewer.
DP09CO034	ס	06/01/2010	06/01/2012	Completion of work estimated to be delayed 24 months.	Work delayed due to slower load growth and budget constraints.
TP-2003-056	Т	12/31/2008	05/01/2009	Completion date delayed by four months.	Service date shifted from December 2008 to May 2009 due to construction delays.
TP-2006-061	Т	12/31/2008	12/15/2008	N/A	N/A
TP-2007-030	т	04/15/2008	07/01/2008	Delay of 2+ months.	Coordinate with customer.

Electric Service And Safety Standards

	a.	b.
Type of System	Qualitative characterization of condition or system	Explanation of criteria used in making assessment for each characterization
T	The initial construction of overhead and underground facilities follows AEP's material and construction standards that incorporate National Electric Safety Code requirements. These standards were adopted to safety and reliably operate AEP's extensive transmission and distribution system in its 11-state service area. Once built and energized, the facilities are subject to mechanical and electrical stresses from various causes, including conductor and equipment loadings, severe weather, accidents and vandalism. These conditions will eventually lead to the need for maintenance, repair or replacement of the assets industry research and AEP's experience and expertise in the construction, operation and maintenance of transmission and distribution systems in varied geographic and demographic areas are applied to manage and maintain AEP's assets. AEP develops objectives and plans to achieve optimal performance in a safe and reliable manner over the expected life of asset, while at the same time balancing costs and benefits. An example of this type of planning can be demonstrated in AEP's annual operation and maintenance plans.	AEP Transmission Operations continually monitors the operational performance of its transmission system. As necessary, corrective actions are taken by Operations to ensure the safe and reliable operation of the system during normal, as well as contingency conditions. During contingency conditions, Transmission Operations directs the necessary switching to isolate faulted equipment and restore service to customers impacted by the outage. Transmission Operations is also responsible for approving facility maintenance outages to ensure the outage does not adversely impact safe and reliable operation of the transmission system. AEP East Transmission Planning and PJM periodically evaluates the anticipated performance of the transmission system over a planning horizon. As system performance deficiencies are identified and evaluated, appropriate area reinforcement plans are developed and implemented to ensure safe and reliable operation of the transmission system. The performance of existing facilities is also monitored by the Transmission Asset Management Group. As needed, facilities are scheduled for maintenance or replaced as part of AEP's on-going rehabilitation. The proposed system reinforcements and system rehabilitation plan for the next several years are discussed in Section B(1).

Electric Service And Safety Standards

4. 4901:1-10-26 (B)(3)(a) Characterization of condition of company's system

	a.	b.
Type of System	Qualitative characterization of condition or system	Explanation of criteria used in making assessment for each characterization
D	The initial construction of overhead and underground facilities follows AEP's material and construction standards that incorporate National Electric Safety Code requirements. These standards were adopted to safety and reliably operate AEP's extensive transmission and distribution system in its 11-state service area. Once built and energized, the facilities are subject to mechanical and electrical stresses from various causes, including conductor and equipment loadings, severe weather, accidents and vandalism. These conditions will eventually lead to the need for maintenance, repair or replacement of the assets. Industry research and AEP's experience and expertise in the construction, operation and maintenance of transmission and distribution systems in varied geographic and demographic areas are applied to manage and maintain AEP's assets. AEP develops objectives and plans to achieve optimal performance in a safe and reliable manner over the expected life of asset, while at the same time balancing costs and benefits. An example of this type of planning can be demonstrated in AEP's annual operation and maintenance plans.	AEP/OPCO Distribution currently provides safe, adequate and reliable service to approximately 710,160 customers within Ohio. These facilities have the capacity to serve our existing customers and provide a solid foundation for service extension for any new additional customers. AEP plans to provide safe, adequate, and reliable power for its Ohio customers through the company's continuous distribution planning process. This process relies on distribution planners strategically located throughout AEP's Ohio service territories who continually monitor the effect of changes in customer load and other requirements on the AEP system. This is accomplished, in part, by: routine comprehensive distribution load forecasting continual analysis of the impact of present and projected loading on substation and distribution equipment determination of safe, effective, and reliable overcurrent protection systems and the development of cost-effective future short and long-range distribution system infrastructure plans which will allow AEP to meet the needs of its Ohio customers. AEP/OPCO's inspection and maintenance programs have been developed and implemented with the objective of achieving optimal performance in safety, reliability and cost efficiencies over the life-cycle of the assets. These inspection and maintenance programs, in addition to closely monitoring customer complaints to gain insight into

Report Date & Time: March 30, 2010 12:31 pm

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Case No. 10-996-EL-ESS

BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

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

Case No. 10-996-EL-ESS

ANNUAL REPORT OF THE OHIO POWER COMPANY COMPANY

Pursuant to Rule 26 of the Electric Service and Safety Standards, Ohio, Administrative Code 4901:1-10-26, Ohio Power Company ("OP") submits the following Annual Report. The Report is 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

Joseph J. Hamrock, President & COO - AEP Ohio Responsible For Distribution Reporting	Date

Report Date & Time: March 30, 2010 12:31 pm

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Electric Service And Safety Standards

1. 4901:1-10-26 (B)(1)(a)&(b)&(c) Future investment plan for facilities and equipment (covering period of no less than three years)

a.	b.	c.	d.	e.	f.	g.	h	l.
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	Expected completion date	Changes to previous year's plan or project
DP09CA004	D	The plan includes the upgrades necessary for the interconnection of the Wyandot Solar 10 MW solar facility. Upgrades include the addition of a control house, relay replacement, regulator control replacement, SCADA, distribution MOAB's, and primary metering.	Upper Sandusky Area, Western Ohio District	Suburban Upper Sandusky, Ohio	1,124,900	08/18/2009	06/01/2010	

Electric Service And Safety Standards

1. 4901:1-10-26 (B)(1)(a)&(b)&(c) Future investment plan for facilities and equipment (covering period of no less than three years) ... Continued ...

a.	b.	С	d.	е,	f	g	h.	l.
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TP-2006-035	T	This plan includes the replacement of limiting terminal equipment at Tidd station to increase the thermal capabilities of the line.	This project will Increase the thermal capabilities of the Tidd-Canto n Central 345 kV tine in central Ohio.	This project affects high voltage transfer capability across northeast Ohio.	673,000	03/05/2008	11/01/2010	

Electric Service And Safety Standards

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a	b	c.	d.	e.	f.	g.	h.	i.
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Electric Service And Safety Standards

1. 4901:1-10-26 (B)(1)(a)&(b)&(c) Future investment plan for facilities and equipment (covering period of no less than three years) ... Continued ...

a ,	b	.C.	d.	е.	₹.	g.	h.	i,
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TP-2007-073	Т	This project involves 69 kV reinforcements to alleviate overloads and low voltage conditions. Additional switching enhancements will also Improve outage performance.	Wooeter - Moreland - New Philadelphi a Area	The City of Wooster and adjacent rural areas; load of about 170 MW.	31,626,300	06/01/2007	12/31/2013	
TP-2007-115	Τ.	This project involves rebuilding and reconductoring about 4 miles of 69 kV line.	Fremont Area	The City of Frement; load of about 100 MW.	2,700,000	06/01/2007	12/31/2010	
TP-2009-061	τ	This plan includes the replacement of an overdutied 138 kV circuit breaker at the Torrey Station.	Canton, Ohio area	Urban area of City of Canton.	359,000	10/01/2009	06/01/2010	,

Electric Service And Safety Standards

1.a 4901:1-10-26 (B)(1)(a)&(c) Future investment plan for facilities and equipment (covering period 2009 to 2013)

48.0	2009		2009 2010		2011	2012	2013	
All Cost	Planned	Actual	Planned	Projected	Projected	Projected		
D	\$62,235,607	\$63,633,865	\$66,269,342	\$69,867,220	\$67,648,505	75,130,443		
τ	\$38,000,000	\$55,984,000	\$38,000,000	\$40,000,000	\$40,000,000	40,000,000		

Electric Service And Safety Standards

2. 4901:1-10-26 (B)(1)(d)&(e) Complaints from other entitles

a.	b.	c.	d.	е,	f.	g,
Complaint(s) from other electric utility companies, regional transmission entity, or competitive retail electric supplier(s) (list individually)	Date complaint received	Nature of complaints	Action taken to address complaint	Complaint resolved (Yes or No)	Date resolved	if unresolved give explanation why
Pretty Products outaged during circuit lockout.	01/28/2009	Out of Service	Circuit sectionalized and customer restored	Yes	01/28/2009	
The circuit locked out due to an insulator breaking and the conductor was on the ground at N. 15th St. in Coshocton. Switching was performed and customer was returned to service. The Accounts Rep. said that Pretty Products was out of business	02/24/2008	Out of Service	Sectionalized circuit and restored customer	Yes	02/24/2009	
Bayer Corp advises that they are experiencing abnormal voltage.	08/09/2009	Quality of Utility Product	Problem on customer equipment, their potentials had a blown fuse.	Yes	08/09/2009	

Electric Service And Safety Standards

2. 4901:1-10-26 (B)(1)(d)&(e) Complaints from other entitles

<u>a.</u>	b.	C-	d.	е.	f.	g.
Complaint(s) from other electric utility companies, regional transmission entity, or competitive retail electric supplier(s) (list individually)	Date complaint received	Nature of complaints	Action taken to address complaint	Complaint resolved (Yes or No)	Date resolved	if unresolved give explanation why
SCP reports blinking lights out of their Powhattan station.	03/08/2009	Repair Service	Advised that there were no circuit operations, and we had been switching 138kV Cap AA at Kammer which could result in Voltage fluctuations	Yes	03/06/2009	
SCP reports their correctional facility customer is experiencing blinking lights.	05/30/2009	Repair Service	We showed no operations, voltage indication shows two possible operations, advised customer.	Yes	05/30/2009	

Electric Service And Safety Standards

a.	b.	c.	d.	6.	f.
Identification of previously planned action	action or completion date completion date deviation		identification of deviation(s) from goals of previous plan	Reason(s) for each identified deviation	
DP08CA006	D	09/01/2010	07/07/2009	Completion delayed by 13 months	Availability of resources and reprioritization of workload.
DP06CO036	D	06/01/2006	05/01/2010	Station work has been completed. A portion of the distribution line is still delayed due to ODOT permit issues.	Reprioritization of workload, availability of mobile unit and ODOT permit delays.
DP07CA001	D	06/01/2010	04/01/2010	Completion delayed by 22 months.	Availability of resources and reprioritization of workload. Low priority for removal of old Baltic Station.
DP07CA044	D	12/31/2009	03/31/2009	Completion delayed by 10 months	Availability of resources and reprioritization of workload.

Electric Service And Safety Standards

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identification of previously planned action	Transmission or Distribution ("T" or "D")	Planned completion date	Actual completion date of action	identification of deviation(s) from goals of previous plan	Reason(s) for each identified deviation
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DP08CA003	D	12/01/2010	10/09/2009	Completion delayed by 16 months.	Availability of resources and reprioritization of workload. Canceled scope change to add distribution automation.
DP08CA004	D	09/30/2009	01/22/2009	Completion delayed by 8 months.	Availability of resources and reprioritization of workload.
DP08CA008	D	06/01/2008	05/01/2010	Completion delayed by 21 months	Negotiations for additional land purchase and oil line relocation extended start date.
DP06CA009	D	06/01/2008	02/27/2009	Completion delayed by 9 months.	Availability of resources and reprioritization of workload.

Electric Service And Safety Standards

a.	b.	c.	d.	8.	f.
identification of previously planned action	Transmission or Distribution ("T" or "D")	Planned completion date	Actual completion date of action	identification of deviation(s) from goals of previous plan	Reason(s) for each identified deviation
DP08CA021	D	06/01/2008	09/28/2009	Completion delayed by 20 months	Availability of resources, reprioritization of workload and delivered transformer did not pass field tests.
DP08CA043	D	06/01/2008	05/27/2009	Completion delayed by 12 months	New technology issues to resolve.
DP08CO028	D	08/01/2008	03/15/2009	Completion of work delayed 8 months.	Transmission line issues and reprioritization of workload.
DP08CO027	D	12/01/2008	08/26/2009	Completion of work delayed 9 months.	Right of way issues.
DP08CO034	D	06/01/2009	12/07/2009	Completion of work delayed 6 months.	Reprioritization of workload.

Electric Service And Safety Standards

a.	b.	c.	d.	e.	f.
identification of previously planned action	Transmission or Distribution ("T" or "D")	Planned completion date	Actual completion date of action	identification of deviation(s) from goals of previous plan	Reason(s) for each identified deviation
DP08CO044	D	06/01/2009	08/18/2009	Completion of work delayed 3 months.	Reprioritization of workload.
DP09CA001	D	12/01/2008	12/31/2011	Completion delayed by 15 months.	Availability of resources and reprioritization of workload.
DP09CA020	D	06/01/2009	09/01/2011	Completion delayed by 9 months	Availability of resources and reprioritization of workload.
DP09CA030	D	09/01/2009	12/31/2009	Completion delayed by 3 months	Availability of resources and reprioritization of workload.
DP09CA041	D	06/01/2009	12/31/2010	Completion delayed by 12 months	Land purchase for station expansion delayed by adjacent property owner.

Electric Service And Safety Standards

a.	b.	c.	d.	8.	f.
Identification of previously planned action	Transmission or Distribution ("T" or "D")	Planned completion date	Actual completion date of action	identification of deviation(s) from goals of previous plan	Reason(s) for each identified deviation
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DP09CO034	ם	06/01/2010	06/01/2012	Completion of work estimated to be delayed 24 months.	Work delayed due to slower load growth and budget constraints.
TP-2003-056	Т	12/31/2008	05/01/2009	Completion date delayed by four months.	Service date shifted from December 2008 to May 2009 due to construction delays.
TP-2006-061	Т	12/31/2008	12/15/2008	N/A	N/A
TP-2007-030	т	04/15/2008	07/01/2008	Delay of 2+ months.	Coordinate with customer.

Electric Service And Safety Standards

	a.	b.
Type of System	Qualitative characterization of condition or system	Explanation of criteria used in making assessment for each characterization
T	The initial construction of overhead and underground facilities follows AEP's material and construction standards that incorporate National Electric Safety Code requirements. These standards were adopted to safely and reliably operate AEP's extensive transmission and distribution system in its 11-state service area. Once built and energized, the facilities are subject to mechanical and electrical stresses from various causes, including conductor and equipment loadings, severe weather, accidents and vandalism. These conditions will eventually lead to the need for maintenance, repair or replacement of the assets. Industry research and AEP's experience and expertise in the construction, operation and maintenance of transmission and distribution systems in varied geographic and demographic areas are applied to manage and maintain AEP's assets. AEP develops objectives and plans to achieve optimal performance in a safe and reliable manner over the expected life of asset, while at the same time balancing costs and benefits. An example of this type of planning can be demonstrated in AEP's annual operation and maintenance plans.	AEP Transmission Operations continually monitors the operational performance of its transmission system. As necessary, corrective actions are taken by Operations to ensure the safe and reliable operation of the system during normal, as well as contingency conditions. During contingency conditions, Transmission Operations directs the necessary switching to isolate faulted equipment and restore service to customers impacted by the cutage. Transmission Operations is also responsible for approving facility maintenance outages to ensure the outage does not adversely impact safe and reliable operation of the transmission system. AEP East Transmission Planning and PJM periodically evaluates the anticipated performance of the transmission system over a planning horizon. As system performance deficiencies are identified and evaluated, appropriate area reinforcement plans are developed and implemented to ensure safe and reliable operation of the transmission system. The performance of existing facilities is also monitored by the Transmission Asset Management Group. As needed, facilities are scheduled for maintenance or replaced as part of AEP's on-going rehabilitation. The proposed system reinforcements and system rehabilitation plan for the next several years are discussed in Section B(1).

	e.	b.		
Type of System	Qualitative characterization of condition or system	Explanation of criteria used in making assessment for each characterization		
D	The initial construction of overhead and underground facilities follows AEP's material and construction standards that incorporate National Electric Safety Code requirements. These standards were adopted to safety and reliably operate AEP's extensive transmission and distribution system in its 11-state service area. Once built and energized, the facilities are subject to mechanical and electrical stresses from various causes, including conductor and equipment loadings, severe weather, accidents and vandalism. These conditions will eventually lead to the need for maintenance, repair or replacement of the assets. Industry research and AEP's experience and expertise in the construction, operation and maintenance of transmission and distribution systems in varied geographic and demographic areas are applied to manage and maintain AEP's assets. AEP develops objectives and plans to achieve optimal performance in a safe and reliable manner over the expected life of asset, while at the same time balancing costs and benefits. An example of this type of planning can be demonstrated in AEP's annual operation and maintenance plans.	AEP/OPCO Distribution currently provides safe, adequate and reliable service to approximately 710,160 customers within Ohio. These facilities have the capacity to serve our existing customers and provide a solid foundation for service extension for any new additional customers. AEP plans to provide safe, adequate, and reliable power for its Ohio customers through the company's continuous distribution planning process. This process relies on distribution planners strategically located throughout AEP's Ohio service territories who continually monitor the effect of changes in customer load and other requirements on the AEP system. This is accomplished, in part, by: routine comprehensive distribution load forecasting continual analysis of the impact of present and projected loading on substation and distribution equipment determination of safe, effective, and reliable overcurrent protection systems and the development of cost-effective future short and long-range distribution system infrastructure plans which will allow AEP to meet the needs of its Ohio customers. AEP/OPCO's inspection and maintenance programs have been developed and implemented with the objective of achieving optimal performance in safety, reliability and cost efficiencies over the life-cycle of the assets. These inspection and maintenance programs, in addition to closely monitoring customer complaints to gain insight into		

	a.	b.
Type of System	Qualitative characterization of condition or system	Explanation of criteria used in making assessment for each characterization
		areas that may require process improvement efforts, provide the "checks and balances" required to maintain a reliable distribution system.

5. 4901:1-10-26 (B)(3)(b) Safety and reliability complaints

	a.
Type of system	Total number of safety & reliability complaints received directly from customers
D	7
Т	. 2

5.a 4901:1-10-26 (B)(3)(b) Safety and reliability complaints detailed report

	1.	2.	3.	4.	5.	6.	7.
Type of system	Availability of service	Damage	Momentary Interruption	Out of service	Quality of utility product	Repair service	Public safety
D	0	0	3	1	0	0	3
T	0	0	1	0	a	1	0

<u>Notes</u>

5a 1. Availability of service - N/A (unavailable); 5a 2. Damage - comparable to "Damaged Equipment"; 5a 3. Momentary Interruption - comparable to "Intermittent or Frequent Outages"; 5a 4. Out of Service - comparable to "Extended Outages"; 5a5. Quality of Utility Product: N/A (unavailable); 5a6. Repair Service: comparable to "Maintenance"; 5a7. Public Safety: comparable to "Bare Wires, Cover Up Facilities, Debris, Guy Wire, Line Down and Pole"

Electric Service And Safety Standards

6. 4901:1-10-26 (B)(3)(c) <u>Transmission expenditures</u>

a.	b.	c.	d.	ė,
Total transmission investment dollars	Dollars spent for transmission construction	Ratio of expenditures to total transmission investment	Dollars spent for transmission maintenance	Ratio of expenditures to total transmission investment
\$1,164,351,684	\$56,096,861	4.82%	\$14,814,183	1.26%

Notes

The amount in column b represents the capital additions or the transmission capital projects placed in service during the reporting year.

•

7. 4901:1-10-26 (B)(3)(c) <u>Distribution expenditures</u>

a.	b.	c.	d.	е.
Total distribution investment dollars	Dollars spent for distribution construction	Ratio of expenditures to total distribution investment	Dollars spent for distribution maintenance	Ratio of expenditures to total distribution investment
\$1,567,145,843	\$124,380,386	7.94%	\$56,036,608	3.58%

Notes 1

The amount in column b represents the capital additions or the distribution capital projects placed in service during the reporting year.

Electric Service And Safety Standards

a.	b.	c.	d.	6.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
D	Installations on Customers Premises	371	12.00	8.00	4.00	0.33	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

a.	b.	c.	d.	€.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
D	Leased Property on Cust. Premises	372	30.00	24.00	6.00	0.20	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

a.	b.	c.	d.	0.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
D	Line Transformers	368	33,00	14.00	19.00	0.58	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

a.	b.	c.	d.	е.	f	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
D	Meters	370	32.00	5.00	27.00	0.84	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

8.	b.	c.	, d.	e.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
D	Overhead Conductor & Devices	365	30.00	14.00	16.00	0.53	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

a.	b.	c.	d.	8.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
D	Poles, Tower & Fixtures	364	32.00	20.00	12.00	0.38	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

a.	b.	c.	d.	€.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub account)	Total depreciable life of asset	Total depreciated life of asset	Total remaining life of asset	Percent of average remaining depreclation life of asset	Depreciation of how age was determined
D	Services - Overhead	369	33.00	20.00	13.00	0.39	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

а.	b,	c.	d.	e.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub account)	Total depreciable life of asset	Total depreciated life of asset	Total remaining ilfe of asset	Percent of average remaining depreciation life of asset	Depreciation of how age was determined
D	Station Equipment	362	35.00	8.00	27.00	0.77	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

a.	b.	C,	ď.	ė.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
D	Storage Battery Equipment	363	15.00	1.00	14.00	0.93	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

a.	b.	c.	d.	е,	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type		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
D	Street Lighting & Signal Systems	373	20.00	11.00	9.00	0.45	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

a.	b.	c.	d.	e.	ſ.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
D	Structures & Improvements	361	55.00	25.00	30.00	0.55	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

a.	b.	C.	d.	8.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
D	Underground Conductor Residential	367	30.00	9.00	21.00	0.70	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

a.	b,	C,	d.	6.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
D	Underground Conduit Residential	366	50.00	11.00	39.00	0.78	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Electric Service And Safety Standards

a.	b,	c.	d.	е.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
T	OH Cond. & Devices	356.2	58.00	22.00	36.00	0,62	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

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a.	b.	C.	d.	. 8.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
Ţ	OH Cond. & Devices - Above 69 KV	356	57.00	41.00	16.00	0.28	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1-Pages 207, 219 and 337.

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а.	b.	c.	d.	е.	f,	g.	h.
Transmission of distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (account/sub account)	Total depreciable life of asset	Total depreciated life of asset	Total remaining life of asset	Percent of average remaining depreclation life of asset	Depreciation of how age was determined
T	Poles & Fixtures	355.2	32.00	22.00	10.00	0.31	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

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a.	b.	c.	d.	e.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
Т	Poles & Fixtures - Above 69 KV	355	27.00	21.00	6.00	0.22	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applled depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

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a.	b.	c.	d.	e.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
T	Station Equipment	363	45.00	15.00	30.00	0.67	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

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a.	b.	c.	d.	ė.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
T	Structures & Improvements	352	55.00	32.00	23.00	0.42	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

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ā.	b.	c.	d.	₽.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
Т	Towers & Fixtures	354.2	70.00	27.00	43.00	0.61	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the appiled depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

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a,	b.	c.	d.	8.	f,	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC aubaccount (acount/sub 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
Т	Towers & Fixtures - Above 69 KV	354	60.00	42.00	18.00	0.30	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

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ā.	b.	c.	d.	6.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (account/sub 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
Т	Underground Conductor	358	50.00	21.00	29.00	0.58	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

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8. 4901:1-10-26 (B)(3)(e) Average remaining depreciation life of distribution and transmission facilities

a.	b.	G.	d.	ė.	f.	g.	h.
Transmission or distribution ("T" or "D")	Asset Type	Asset's assigned FERC subaccount (acount/sub 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
T	Underground Conduit	357	50.00	24.00	26.00	0.52	Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 - Pages 207, 219 and 337.

Notes

Note (1): Transmission assets noted above exclude CCD facilities and do not include Accounts 350, 359, and 359.1. Accounts 350 - Land and Land Rights, 359 - Roads and Trails, and 359.1 - Asset Retirement Costs for Transmission Plant represent non-depreciable assets.; Note (2): Distribution assets noted above do not include Account 360. Account 360 - Land and Land Rights represents non-depreciable assets.; Note (3) This is the first year that account 363 has investment.

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а.	b.	C.	d.	€.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
DS	D - Capacitor Banks	The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for capacitor bank problems by replacing limited lifetime components in a timely manner.	Y	The maintenance performed on capacitor banks during 2009 was the result of monthly station inspections and periodic infrared inspections. Because capacitor banks have few moving parts most of the problems found were blown fuses and deformed or ruptured cans. As the problems were identified the items were replaced as soon as the equipment was available and the work could be performed.

Electric Service And Safety Standards

a.	b	C.	d.	6.
Transmission "T", distribution "D", transmission substation "T\$", or distribution substation "D\$"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
D	D - Circuit and Line Inspections	Conduct overhead circult inspections based on a five year cycle that results in an annual Inspection of 20% of the overhead distribution facilities.	Y	Of the conditions found requiring action, approximately 30% involved structural components such as crossarms, poles, guying and miscellaneous pole hardware. Another 17% involved lightning arresters and cutouts. About 13% involved trees and the remainder of the identified conditions were related to conductors, insulators and miscellaneous conductor and grounding hardware.

Electric Service And Safety Standards

9. 4901:1-10-26 (B)(3)(f)(i) & (ii) inspection, maintenance, repair and replacement distribution, transmission and substation programs summary report

a.	b.	C.	d.	е.
Transmission "T", distribution "D", transmission substation "T8", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
DS	D - Circuit Breakers and Reclosers	The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner.	Y	External inspections & maintenance: 2009 Goal = 26; 2009 Results = 26 (100% of goal achieved); Internal inspections & maintenance: 2009 Goal = 190; 2009 Results = 204 (107% of goal achieved);
D	D - Conductors (Underground Cable Rejuvenation)	Rejuvenation of primary underground cable based on age, condition and reliability history.	N	Most of the rejuvenation was performed on #2 and #1/0 Al 15KV cable.

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a	b.	C.	d.	е.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
D	D - Conductors (Overhead Conductor Replacement)	Replacement of overhead conductor installations based on age, condition and reliability history	Y	Most of the replacements involved #8 Copper and #4 ACSR primary conductor.
D	D - Conductors (Underground Cable Replacement)	Replacement of primary underground cable installations based on age, condition and reliability history.	Y	Most of the replacements involved #2 At 15KV cable.

Electric Service And Safety Standards

a.	b	C.	d.	G.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
D	D - Line Capacitors	Inspect all line capacitors annually.	Y	There were 164 capacitors found in need of repairs. Of the conditions found, approximately 54% involved capacitor fuses assemblies, 16% involved switch or switch operation, 7% defective hardware, and 23% miscellaneous matters associated to insulators, connections, lightning arresters, controls, ground connections not continuous, etc.

Electric Service And Safety Standards

a.	b.	c.	d.	e.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achleva ("Y" or "N")	Summary of findings
D	D - Line Electronic Reclosers (Inspections)	Full inspection annually plus a second inspection each year for battery check.	Y	There were 16 locations found requiring action. Of the conditions found requiring action, approximately 61% involved battery and the other 39% were from miscellaneous matters associated to cutouts, insulators, grounds, off-line/by-passed, lightning arresters, etc.
Ď	D - Line NonElectronic Reclosers (Inspections)	inspect all nonelectronic line reclosers annually.	Y	There were 18 locations found requiring action. Of the conditions found requiring action, approximately 62% ground connections not continuous and 38% miscellaneous problems such as, settings off-line/by-passed, hardware, lightning arresters, etc.

Electric Service And Safety Standards

a.	b.	C.	d.	0.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
D	D - Line Reclosers (Maintenance)	Maintain reclosers on a 6 (+/-) year cycle.	N	N/A
· D	D - Line Reclosers (New Vacuum Replacements)	Replace hydraulic reclosers with new vacuum interrupting reclosers	Y	N/A
D	D - Network System (Vauits)	Inspect all vaults annually.	Y	Inspection findings revealed some vaults requiring concrete repair work and vault lighting needing repaired.

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a.	b.	C.	d.	e.
Transmission "T", distribution "D", transmission substation "T\$", or distribution substation "D\$"	Program name	Program goals	Achleve ("Y" or "N")	Summary of findings
D	D - Network System (Manholes)	Inspect network manholes on a four year cycle.	Y	Manhole inspections revealed some deteriorated cable and splices Also found some cable support arms requiring attention. Some minor spaulding of concrete was noted, but structural integrity is not compromised.
D	D - Network System (Protectors)	Inspect all network protectors annually.	Y	Inspections found some minor problems which were repaired.
0	Ø - Network System (Transformers)	Inspect all network transformers annually.	Y	Inspected all transformers for structural integrity. Performed oil analysis on 69% of transformers.

Electric Service And Safety Standards

a.	b.	С.	d.	8.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
D	D - Poles (Inspection)	The program consists of a detailed inspection of company owned wood poles once every 10 years for all poles that have been in service for 18 years or longer.	Υ	Inspected more poles than projected. Approx. 4.6% of the poles were rejected.
D	D - Poles (Reinforcement)	Reinforcement of poles with internal or external decay and inadequate strength.	Y	Reinforced poles from both the 2008 & 2009 programs.
D	D - Poles (Replacement)	Replacement of poles with internal or external decay and inadequate strength that are not reinforceable.	Y	Replaced more reject poles than projected.
D	D - Poles (Treatment)	Treatment of poles with internal or external decay but adequate strangth.	Υ	All poles that met treatment criteria were treated.

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a.	b.	c.	d.	e.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" ar "N")	Summary of findings
D	D - Primary and Secondary Enclosures	Five year inspection cycle of underground primary and secondary enclosures.	Y	Of the conditions found requiring action, approximately 15% involved missing locking bolts. Another 63% involved erosion and issues impacting equipment accessibility and security. About 20% involved missing structure numbers.

Electric Service And Safety Standards

a.	ь	vc	d.	
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
D\$	D - Protection and Control	Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment.	Y	D-Calibrations on discrete relays: 2009 Goal = 541 2009 Results = 740 (137% of goal achieved); D-Functional trip tests on relay trip paths: 2009 Goal = 2926; 2009 Results = 3275 (112% of goal achieved);

Electric Service And Safety Standards

a.	b	G.	d.	е.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
Đ	D - Right-of-Way Vegetation Control	Vegetation management is a long term program (more than a year or two) and contains work prescriptions which include: type of treatment (mechanical, manual, herbicide) based on tree and environmental conditions priority and schedule of treatment by line/circuit and cost of treatment. As the plan progresses over time, these work prescriptions will change based on the size and type of vegetation. The initial prescription for clearing an easement may include several types of activity such as: trimming, removing, mowing and spraying. In four or five years that same easement's work prescription may only need spraying. AEP's Forestry staff and contractors continuously work to insure the appropriate prescription is utilized to increase effectiveness and	Y	OP accomplished 130% of the 2009 goal by maintaining 3,828 miles of distribution line right-of-way.

Electric Service And Safety Standards

a.	b.	C.	d.	ė.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
		efficiency.		
DS	D - Station Inspections	The goals are to (1) prevent unplanned outages or failures and/or safety hazards by identifying and correcting problems during scheduled inspections; and (2) reduce customer outages and associated call-outs for station problems by detecting problems and correcting them in a timely manner.	Y	2009 Goal = inspect 351 D-stations on a monthly basis; 2009 Results = inspected 351 D-stations on a monthly basis. (100% of goal achieved)

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a.	b.	c.	d.	€
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
DS	D - Transformers	The goals of this program are to (1) prevent unplanned outages or failures by Identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve optimum loading of all transformers.	Y	Minor external inspections & maintenance: 2009 Goal = 51; 2009 Results = 66 (129% of goal achieved); Major internal inspections & maintenance: 2009 Goal = 0; 2009 Results = 0 (100% of goal achieved); Data gathered as part of the monthly station inspections programs will be continually monitored and evaluated. Major transformer maintenance will be scheduled should equipment conditions warrant this action.

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a.	b	C.	d.	€.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
DS	D - Voltage Regulators	The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner.	Y	The maintenance performed on voltage regulators during 2009 was the result of monthly station inspections and periodic infrared inspections. Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator.

Electric Service And Safety Standards

a.	b.	с.	d.	e.
Transmission "T", distribution "D", transmission substation "T8", or distribution substation "D8"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
TS	T - Capacitor Banks	The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for capacitor bank problems by replacing limited lifetime components in a timely manner.	Y	The maintenance performed on capacitor banks during 2009 was the result of monthly station inspections and periodic infrared inspections. Because capacitor banks have few moving parts most of the problems found were blown fuses and deformed or ruptured cans. As the problems were identified the items were replaced as soon as the equipment was available and the work could be performed.

Electric Service And Safety Standards

a.	b.	Ç.	d.	e .
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
ТЗ	T - Circuit Breakers and Reclosers	The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner.	Y	External inspections & maintenance: 2009 Goal = 140; 2009 Results = 142 (101% of goal achieved); Internal inspections & maintenance: 2009 Goal = 83; 2009 Results = 85 (102% of goal achieved);
Т	T - Line Inspections	The intent of line inspections is to check the present condition of a line and determine if any of its components exhibit a near term potential to fail and cause an outage or a safety problem.	Y	2009 Goal = inspect 5,435 T-line miles; 2009 Results = 100% of transmission lines inspected.

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a	b.	C.	d.	•-
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
т	T - Line Maintenance	The Intent of line maintenance is to avoid line outages and/or safety concerns whenever practical and to minimize the duration of outages when they occur.	Y	OPCO remedied 913 identified T-line problems in 2009.

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a	b.	c.	d.	е.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
TS	T - Protection and Control	Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment.	Y	T-Calibrations on discrete relays: 2009 Goal = 1236; 2009 Results = 1699 (137% of goal achieved); T-Functional trip tests on relay trip paths: 2009 Goal = 7236; 2009 Results = 8184 (113% of goal achieved)

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a.	b.	c.	d.	е.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
T	T - Right-of-Way Vegetation Control	The Intent of right of way maintenance is to minimize line outages and/or safety hazards caused by vegetation growing too near energized conductors. Trees, shrubs and vines that have the potential to grow or fall into transmission lines must be removed or their growth contained.	Y	2009 Goal = maintain 996.6 miles of T-line right-of-way; 2009 Results = maintained 1022.3 miles. (102.6% of goal achieved)
TS	T - Station Inspections	The goals are to (1) prevent unplanned outages or failures and/or safety hazards by identifying and correcting problems during scheduled inspections and (2) reduce customer outages and associated cali-outs for station problems by detecting problems and correcting them in a timely manner.	Y	2009 Goal = inspect 191 T-stations on a monthly basis 2009 Results = inspected 191 T-stations on a monthly basis. (100% of goal achieved).

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a.	b	C.	d.	e.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
TS	T - Transformers	The goals of this program are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve optimum loading of all transformers.	Y	Minor external inspections & maintenance: 2009 Goal = 29; 2009 Results = 32 (110% of goal achieved); Major internal inspections & maintenance: 2009 Goal = 0; 2009 Results = 0 (100% of goal achieved); Data gathered as part of the monthly station inspections programs will be continually monitored and evaluated. Major transformer maintenance will be scheduled should equipment conditions warrant this action.

Electric Service And Safety Standards

a.	b.	c.	d.	•.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals	Achieve ("Y" or "N")	Summary of findings
TS	T - Voltage Regulators	The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner.	Y	The maintenance performed on voltage regulators during 2009 was the result of monthly station inspections and periodic infrared inspections. Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator.

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1.	2.	3.	4.	5.
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

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1.	2.	3.	4,	5.
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
D - Capacitor Banks GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated cail-outs for capacitor bank problems by replacing limited lifetime components in a timely manner.	Reliable operation of capacitor banks requires that all components of these devices and their associated switchgear is in serviceable condition. These devices have relatively few mechanical parts that require special attention. The maintenance program for capacitor banks includes procedures that provide for testing and planned maintenance to assure the integrity of these components and the overall performance of the capacitor bank.	Maintenance was performed, as necessary, on distribution station capacitor banks as identified during monthly station inspections and periodic infrared inspections.	Since capacitor banks are comprised of sealed units, with essentially no moving parts, minimal maintenance is required. Any maintenance that is required is normally scheduled to coincide with station breaker maintenance.	The maintenance performed on capacitor banks was the result of monthly station inspections and periodic infrared inspections. Because capacitor banks have few moving parts most of the problems found were blown fuses and deformed or ruptured cans. As the problems were identified the items were replaced as soon as the equipment was available and the work could be

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1.	2.	3.	4.	6.
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
				performed.
D - Circuit and Line Inspections GOAL - Conduct overhead circuit inspections based	Goals were achieved using Company work force.	Inspected 58 more circuits than projected.	167 circuits; (2010 projection = 173 circuits)	225 circuits (135%)
on a five year cycle that results in an annual inspection of 20% of the overhead distribution facilities.				

Electric Service And Safety Standards

1.	2.	3.	4.	5.
Program name	Explanation of how goal were achieved	Description of extent of achievement	Quantitative description of goaf in either numerical values or percentages	Quantitative description of actual performance in either numerical values or percentages
D - Circuit Breakers and Reclosers GOAL - The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner.	Preventive maintenance on circuit breakers and reclosers is evolving from traditional time-based maintenance to Condition Based Maintenance (CBM), which includes time and operation intervals. Some of the principles of Reliability Centered Maintenance (RCM) are also being applied. RCM focuses on the reliability of components and is triggered by conditions that exist such as the total number of operations that have occurred since the last maintenance, which indicates the amount of duty (or use) the operating mechanism has incurred.	The 2009 goals for distribution circuit breaker and reclosure inspection and maintenance were achieved.	2009 Goal = 26 external inspections & maintenance; 2009 Goal = 190 internal inspections & maintenance.	2009 Results = 26 external inspections & maintenance. (100% of goal achieved); 2009 Results = 204 internal inspections & maintenance. (107% of goal achieved)

Electric Service And Safety Standards

1.	2.	3.	4.	5.
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
D - Conductors (Overhead Conductor Replacement) GOAL - Replacement of overhead conductor installations based on age, condition and reliability history	Goals were achieved using Company and Contractor work force.	A total of 5.6 miles were replaced in 2009	5 miles (2010 projection = 6 miles)	5.6 miles (112%)
D - Conductors (Underground Cable Replacement) GOAL - Replacement of primary underground cable installations based on age, condition and reliability history.	Goals were achieved using Contractor work force.	A total of 8.3 miles were replaced in 2009.	6 miles (2010 projection = 3.5 miles)	8.3 miles (138%)

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1.	2.	3.	4	5,
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
D - Line Capacitors GOAL - Inspect all line capacitors annually.	Goals were achieved using Company work force.	Inspected all line capacitor banks.	1814 banks, 2895 inspections (2010 projection = 1784 banks, inspections 2878)	1814 banks, 2895 inspections
D - Line Electronic Reclosers (Inspections) GOAL - Full inspection annually plus a second inspection each year for battery check.	Goals were achieved using Company work force.	Full inspection annually plus a second inspection each year for battery check. A job to inspect the recloser is generated every six months, if a recloser is replaced before it is inspected, the job is cancelled, and a new job will generate in the next six month cycle. When a recloser is replaced, the unit being installed has been inspected prior to installation. Some new reclosers were installed and also inspected.	657 reclosers, 1188 inspections (2010 projection = 653 reclosers, 1306 inspections)	657 reclosers, 1188 inspections
D - Line NonElectronic Reclosers (Inspections) GOAL - Inspect all nonelectronic line reclosers annually.	Goals were achieved using Company work force.	` Inspected all in-service reclosers. Some . new reclosers were installed and also inspected.	4552 reclosers (2010 projection = 5025 reclosers)	4552 redosers

Electric Service And Safety Standards

1.	2.	3.	4.	5.
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
D - Line Reclosers (New Vacuum Replacements) GOAL - Replace hydraulic reclosers with new vacuum interrupting reclosers	Goals were achieved using Company or Contract workforce.	Upgraded 133 more units than projected.	41 reclosers; (2010 projection = 35 vacuum recloser replacements)	174 reclosers (424%)
D - Network System (Vaults) GOAL - Inspect all vaults annually.	Goals were achieved using Company work force.	Inspected all vaults.	83 vaults (2010 projection = 83 vaults)	83 vaults (100%)
D - Network System (Manholes) GOAL - Inspect network manholes on a four year cycle.	Goals were achieved using Company work force.	Inspected 1/4 of in-service manholes.	88 manholes; (2010 . projection = 89 manholes)	96 manholes (100%+)

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1.	2.	3.	4.	5.
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
D - Network System (Protectors) GOAL - Inspect all network protectors annually.	Goals were achieved using Company work force.	Inspected all network protectors. Inspected some multiple times.	76 network protectors; (2010 projection = 75 protectors)	97 network protectors (100% +) (Inspected some more than once)
D - Network System (Transformers) GOAL - Inspect all network transformers annually.	Goals were achieved using Company work force.	Completed oil sampling and analysis. Number of units slightly less due to reduction of units in service requiring oil analysis. Visually inspected all network transformers for structural integrity.	Oil Sampling: 87 network transformers (2010 projection = 89 transformers); Structural Integrity Inspections: 126 network transformers (2010 projection = 129 transformers)	Oil Sampling: 89 network transformers; Structural Integrity Inspections: 129 network transformers (100%+)

Electric Service And Safety Standards

1,	2.	3,	4.	6.
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
D - Poles (Inspection) GOAL - The program consists of a detailed inspection of company owned wood poles once every 10 years for all poles that have been in service for 18 years or longer.	Goals were achieved using Contractor work force.	Inspected more poles than projected.	28,000 poles; (2010 projection = 41,000 poles)	31,419 poles (112%)
D - Poles (Reinforcement) GOAL - Reinforcement of poles with internal or external decay and inadequate strength.	Goals were achieved using Contractor work force.	Restored 207 more poles than projected.	220 poles; (2010 projection = 400 poles)	427 poles (194%)

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1.	2.	3.	4.	5.
Program name	Explanation of how goal were achieved	Description of extent of achievement	Quantifative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numerical values or percentages
D - Poles (Replacement) GOAL - Replacement of poles with internal or external decay and inadequate strength that are not reinforceable.	Goals were achieved using Company or Contract workforce.	Replaced 549 more poles than projected.	900 poles; (2010 projection = 1100 poles)	1,449 poles (161%)
D - Poles (Treatment) GOAL - Treatment of poles with internal or external decay but adequate strength.	Goals were achieved using Contractor work force.	Treated all poles that met treatment criteria.	4,760 poles; (2010 projection = 6,150 poles)	4,752 poles (100%)
D - Primary and Secondary Enclosures GOAL - Five year inspection cycle of underground primary and secondary enclosures.	Goals were achieved using Contractor work force.	Inspected 1443 more transformers than projected.	5,000 transformers; (2010 projection = 5,900 structures)	6,443 transformers (129%)

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1.	2.	3.	4.	5.
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
D - Protection and Control GOAL - Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance	Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment.	The 2009 goals for distribution station discrete relay calibrations and trip path functional tests were achieved.	2009 Goal = 541 D - discrete relay calibrations; 2009 Goal = 2926 D - funcional trip tests on relay trip paths.	2009 Results = 740 calibrations on discrete relays. (137% of goal achieved); 2009 Results = 3275 functional trip tests on relay trip paths. (112% of goal achieved)

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1.	2.	3.	4.	5.
Program name	Explanation of how goal were achieved	Description of extent of achievement	Quantitative description of goal in either numerical values or percentages	Quartitative description of actual performance in either numerical values or percentages
call-outs and maximize the life of station equipment.				

Electric Service And Safety Standards

1.	2	3.	4.	6.
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
D - Right-of-Way Vegetation Control GOAL - Vegetation management is a long term program (more than a year or two) and contains work prescriptions which include: type of treatment (mechanical, manual, herbicide) based on tree and environmental conditions priority and schedule of treatment by line/circult and cost of treatment. As the plan progresses over time, these work prescriptions will change based on the size and type of vegetation. The initial prescription for clearing an	The annual Work plan consist of two components: Station Breaker zones and full circuits that are scheduled for end to end clearing. Each fall the Company begins developing a plan based on performance and input from field personnel. Throughout the year, the initial clearing plan is re-evaluated and adjusted as needed to address emerging customer issues. The line clearance work plan is accomplished utilizing a variety of forestry tools and equipment. Off road trimmers, aerial saw, brush mowers, conventional climbing and bucket crews are utilized in the AEP Ohio program. AEP Ohio is proactive in customer and community notification of our vegetation clearing plans.	Cleared 878 miles more than projected.	OP accomplished 130% of the 2009 goal by maintaining 3,828 miles of distribution line right-of-way.	In 2009, 3,828 miles were completed (130% of the goal).

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1.	2.	3.	4.	5.
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
easement may include several types of activity such as: trimming, removing, mowing and spraying. In four or five years that same easement's work prescription may only need spraying. AEP's Forestry staff and contractors continuously work to insure the appropriate prescription is utilized to increase effectiveness and efficiency.				

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1.	2.	3.	4.	5,
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
D - Station Inspections GOAL - The goals are to (1) prevent unplanned outages or failures and/or safety hazards by identifying and correcting problems during scheduled inspections; and (2) reduce customer outages and associated call-outs for station problems by detecting problems and correcting them in a timely manner.	Each transmission station is inspected monthly. Identified problems are noted on the inspection report and any serious condition is immediately reported to maintenance personnel.	The 2009 goal for distribution station inspections on a monthly basis was achieved.	2009 Goal = inspect 348 D-stations on a monthly basis	2009 Results ≠ inspected 351 D-stations on a monthly basis. (100% of goal achieved); 351 inspected because a transmission station was converted into a distribtuion station (Texas Eastern Metering) and two new stations were added (Citizens and Ray).

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1.	2.	3.	4.	5.
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
D - Transformers GOAL - The goals of this program are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve optimum loading of all transformers.	Reliable operation of transformers requires that all components of these devices be in serviceable condition. These devices have a number of mechanical and electrical parts that require special attention. The maintenance program for transformers includes procedures that provide for monitoring, testing and planned maintenance to assure the integrity of these components and the overall performance of the transformers.	The 2009 goals for distribution station transformer inspections and maintenance were achieved.	2009 Goal = 51 minor external inspections & maintenance and 0 major internal inspections & maintenance.	2009 Results = 66 minor external inspections & maintenance. (129% of goal achieved); Data gathered as part of the monthly station inspections programs will be continually monitored and evaluated. Major transformer maintenance will be scheduled should equipment conditions warrant this action. 0 major internal inspection was completed in 2009. (100% of goal achieved).

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1.	2.	3.	4.	5.
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 yalues or percentages

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1.	2.	3.	4.	5.
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
D - Voltage Regulators GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner.	Reliable operation of voltage regulators requires that all components of these devices be in serviceable condition. These devices have a number of mechanical and electrical parts that require special attention. The maintenance program for voltage regulators includes procedures that provide for testing and planned maintenance to assure the integrity of these components and the overall performance of the voltage regulators.	Maintenance was performed, as necessary, on distribution station feeder regulators and/or bus regulators as identified during monthly station inspections.	Based on experience and results of previous monthly station inspections, no distribution station feeder or bus regulator maintenance was planned in 2010 for OPCO voltage regulators. Data from monthly station inspection programs is continually monitored and evaluated. If necessary, regulator maintenance will be performed as equipment conditions warrant.	The maintenance performed on voltage regulators was the result of monthly station inspections and periodic infrared inspections. Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently

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1.	2.	3.	4.	5.
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
				scheduled for repair or replacement of the voltage regulator.

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1.	2.	3.	4.	6.
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
T - Capacitor Banks GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for capacitor bank problems by replacing limited lifetime components in a timely manner.	Reliable operation of capacitor banks requires that all components of these devices and their associated switchgear is in serviceable condition. These devices have relatively few mechanical parts that require special attention. The maintenance program for capacitor banks includes procedures that provide for testing and planned maintenance to assure the integrity of these components and the overall performance of the capacitor bank.	Maintenance was performed, as necessary, on transmission station capacitor banks as identified during monthly station inspections and periodic infrared inspections.	Since capacitor banks are comprised of sealed units, with essentially no moving parts, minimal maintenance is required. Any maintenance that is required is normally scheduled to coincide with station breaker maintenance.	The maintenance performed on capacitor banks was the result of monthly station inspections and periodic infrared inspections. Because capacitor banks have few moving parts most of the problems found were blown fuses and deformed or ruptured cans. As the problems were identified the items were replaced as soon as the equipment was available and the work could be

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1.	2	3.	4.	5.
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
				performed.
T - Circuit Breakers and Reclosers GOAL - The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner.	Preventive maintenance on circuit breakers and reclosers is evolving from traditional time-based maintenance to Condition Based Maintenance (CBM), which includes time and operation intervals. Some of the principles of Reliability Centered Maintenance (RCM) are also being applied. RCM focuses on the reliability of components and is triggered by conditions that exist such as the total number of operations that have occurred since the last maintenance, which indicates the amount of duty (or use) the operating mechanism has incurred.	The 2009 goals for transmission circuit breaker and reclosure inspection and maintenance were achieved and exceeded.	2009 Goal ≈ 140 external Inspections & maintenance; 2009 Goal ≈ 83 internal inspections & maintenance.	2009 Results = 142 external inspections & maintenance (101% of goal achieved); 2009 Results = 85 internal inspections & maintenance (102% of goal achieved).

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1,	2.	· 3.	4.	5.
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
T - Line Inspections GOAL - The intent of line Inspections is to check the present condition of a line and determine if any of its components exhibit a near term potential to fail and cause an outage or a safety problem.	OPCO has a total of 5,435 miles of transmission lines ranging from 23 kV to 765 kV in voltage. Various types of construction have been used over the years ranging from typical wood pole structures to large lattice towers. Inspection methods vary and can be performed from the air, ground, or by climbing a structure. All structures or a few targeted structures in a line may be inspected at a given time utilizing one or more inspection methods.	2009 goal for transmission line inspections was achieved.	2009 Goal = Inspect 5,435 T-line miles.	2009 Results = 100% of OPCO transmission lines inspected.

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1.	2.	3.	4.	5.
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
T - Line Maintenance GOAL - The intent of line maintenance is to avoid line outages and/or safety concerns whenever practical and to minimize the duration of outages when they occur.	Data collected as part of the line inspection program is analyzed and categorized to establish a work plan. The most serious items detected that can lead to line outages and/or safety hazards, such as broken poles or cross-arms, are scheduled for prompt corrective action. Less serious problems, such as loose bolts or broken ground wires, which have little or no chance of causing outages or safety issues are catalogued as non-critical and scheduled for replacement or repair in a timely, but less critical manner. Typically, these problems are corrected as general line maintenance is performed but, in some cases, may become part of a capital line rebuild or rehabilitation program.	2009 maintenance was scheduled and performed, as necessary, on transmission lines issues that were identified during inspections.	The 2009 goal was to schedule and perform transmission line maintenance, as necessary, based on issues identified during inspections.	The number of identified problems remedied in OPCO during 2009 is 1314. Additionally, many corrective actions were made to facilities during restoration efforts following major storm activities.

Electric Service And Safety Standards

1.	2.	3.	4.	5.
Program name	Explanation of how goal were achieved	Deacription of extent of achievement	Quantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numericat values or percentages
GOAL - Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance	Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by Isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment.	The 2009 goals for transmission station discrete relay calibrations and trip path functional tests were achieved.	2009 Goal = 1238 T - discrete relay calibrations; 2009 Goal = 7236 T - functional trip tests on relay trip paths.	2009 Results = 1699 calibrations on discrete relays. (137% of goal achieved); 2009 Results = 6164 functional trip tests on relay trip paths. (113% of goal achieved).

Electric Service And Safety Standards

1.	2,	3.	4.	5.
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
call-outs and maximize the life of station equipment.				
T - Right-of-Way Vegetation Control GOAL - The intent of right of way maintenance is to minimize line outages and/or safety hazards caused by vegetation growing too near energized conductors. Trees, shrubs and vines that have the potential to grow or fall into transmission lines must be removed or their growth contained.	Annual aerial inspection data and ongoing spot inspections are made in areas where fast-growth vegetation is known to occur. Routine patrol inspection data are used to locate areas where tree trimming or other vegetation containment activities are required. Prioritization techniques, utilizing data obtained from various types of patrols, are used to establish these schedules.	The 2009 goal for transmission line right-of-way vegetation control was achieved and exceeded.	2009 Goal = maintain 996.6 miles of T-line right-of-way	2009 Results = maintained 1022.3 miles. (102.6% of goel achieved)

American Electric Power Ohio Power Company Rule #26 2009 Electric Service And Safety Standards

1.	2.	3.	4.	5.
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
T - Station inspections GOAL - The goals are to (1) prevent unplanned outages or failures and/or safety hazards by identifying and correcting problems during scheduled inspections and (2) reduce customer outages and associated call-outs for station problems by detecting problems and correcting them in a timely manner.	Each transmission station is inspected monthly. Identified problems are noted on the inspection report and any serious condition is immediately reported to maintenance personnel.	The 2009 goal for transmission station inspections on a monthly basis was achieved.	2009 Goal ≈ inspect 192 T-stations on a monthly basis.	2009 Results = inspected 191 T-stations on a monthly basis. (100% of goal achieved).

Electric Service And Safety Standards

1.	2.	3.	4	5.
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
T - Transformers GOAL - The goals of this program are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve optimum loading of all transformers.	Reliable operation of transformers requires that all components of these devices be in serviceable condition. These devices have a number of mechanical and electrical parts that require special attention. The maintenance program for transformers includes procedures that provide for monitoring, testing and planned maintenance to assure the integrity of these components and the overall performance of the transformers.	The 2009 goal for transmission transformer inspection and maintenance were achieved.	2009 Goal = 29 minor external inspections & maintenance and 0 major internal inspection & maintenance .	2009 Results = 32 minor external inspections & maintenance. (110% of goal achieved); Data gathered as part of the monthly station inspections programs will be continually monitored and evaluated. Major transformer maintenance will be scheduled should equipment conditions warrant this action. 0 major internal inspection was completed in 2009. (100% of goal achieved).

Electric Service And Safety Standards

9a. 4901:1-10-26 (B)(3)(f)(i) If response in column "d" of Report 9 is "yes"

1.	2.	3.	4.	6.
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 yalues or percentages

Electric Service And Safety Standards

9a. 4901:1-10-26 (B)(3)(f)(i) If response in column "d" of Report 9 is "yes"

1.	2.	3.	4.	5.
Program name	Explanation of how goal were achieved	Description of extent of schievement	Quantitative description of goal in either numerical values or percentages	Quantitative description of actual performance in either numerical values or percentages
T - Voltage Regulators GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner.	Reliable operation of voltage regulators requires that all components of these devices be in serviceable condition. These devices have a number of mechanical and electrical parts that require special attention. The maintenance program for voltage regulators includes procedures that provide for testing and planned maintenance to assure the integrity of these components and the overall performance of the voltage regulators.	Maintenance was performed, as necessary, on transmission station feeder regulators and/or bus regulators as identified during monthly station inspections.	Based on experience and results of previous monthly station inspections, no transmission station feeder or bus regulator maintenance was planned in 2010 for OPCO voltage regulators. Data from monthly station inspection programs is continually monitored and evaluated. If necessary, regulator maintenance will be performed as equipment conditions warrant.	The maintenance performed on voltage regulators was the result of monthly station inspections and periodic infrared inspections. Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently

Electric Service And Safety Standards

9a. 4901:1-10-26 (B)(3)(f)(i) If response in column "d" of Report 9 is "yes"

	2	3.	4.	6.
Program name	Explanation of how goal were achieved	Description of extent of achievement	Quantitative deacription of goal in either numerical values or percentages	Quantitative description of actual performance in either numerical values or percentages
				scheduled for repair or replacement of the voltage regulator.

Electric Service And Safety Standards

9b. 4901:1-10-26 (B)(3)(f)(i) If response in column "d" of Report 9 is "no"

1.	2.	3.	4.	5.
Program name	Cause(s) for not achieving goak(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
D - Conductors (Underground Cable Rejuvenation) GOAL - Rejuvenation of primary underground cable based on age, condition and reliability history.	AEP Ohio redirected resources to higher priority locations. Although the underground cable rejuvenation goal for Ohio Power was not achieved, the underground cable rejuvenation for Columbus Southern Power exceeded its goal by 5.5 miles. During 2009, AEP Ohio stopped the underground cable rejuvenation due to emerging potential environmental and quality concerns.	A total of 1.4 miles were rejuvenated in 2009.	2 miles (2010 projection = 0 miles). This program has been stopped.	1.4 miles (70%)
D - Line Reclosers (Maintenance) GOAL - Maintain reclosers on a 6 (+/-) year cycle.	Upgraded a number of hydraulic rectosers to vacuum rectosers rather than replacing with like kind.	Maintained 72 fewer reclosers than projected, but upgraded 133 more reclosers to vacuum units than projected.	365 reclosers; (2010 projection = 447 reclosers)	293 reclosers (80%)

1,	2.	3.	4.	5.	6	7.
Program name	Transmission "T", distribution "D", transmission substation "T8", or distribution substation "D8"	Program finding(s) causing remedial activity	Remedial activity performed	Actual completion date	Remedial activity yet to be performed	Estimated completion date

Electric Service And Safety Standards

1.	2.	3.	4.	5.	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
D - Capacitor Banks GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for capacitor bank problems by replacing limited lifetime components in a timely manner.	DS .	Prior to each peak load season (winter and/or summer) station capacitor banks are checked, typically during a monthly station inspection, to make sure that the unit is operating properly and will be available when called upon to support system voltages. Should a component failure, such as a capacitor can, fuse or vacuum bottle, be identified as part of the monthly station inspections, the failed unit is simply replaced with a new unit. Typically these repairs	Prior to each peak load season (winter and/or summer) station capacitor banks are checked, typically during a monthly station inspection, to make sure that the unit is operating properly and will be available when called upon to support system voltages. Should a component failure, such as a capacitor can, fuse or vacuum bottle, be identified as part of the monthly station inspections, the failed unit is simply replaced with a new unit. Typically these repairs	12/31/2009	None required.	

1.	2.	3.	4.	5.	8.	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
		are made shortly after the condition is identified.	are made shortly after the condition is identified.			

Electric Service And Safety Standards

1.	2.	3.	4.	5.	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
D - Circuit and Line Inspections GOAL - Conduct overhead circuit inspections based on a five year cycle that results in an annual inspection of 20% of the overhead distribution facilities.	D	Of the conditions found requiring action, approximately 30% involved structural components such as crossarms, poles, guying and miscellaneous pole hardware. Another 17% involved lightning arresters and cutouts. About 13% involved trees and the remainder of the identified conditions were related to conductors, insulators and miscellaneous conductor and grounding hardware.	Defects hazardous to employees and the public were corrected immediately. The most severe structural conditions were remedied while those that were more moderate in nature were identified for subsequent corrective action. Inoperative or blown lightning arresters were replaced as well as identified defective fuse cutout assemblies. Some insulator and conductor problems were also corrected.	12/31/2009	Non-hazardous defects requiring attention are typically repaired within 12 months of being identified during inspection.	12/31/2010

1.	2.	3.	4.	6.	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
D - Circuit Breakers and Reclosers GOAL - The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner.	DS	Of the maintenance performed on substation circuit breakers and reclosers during 2009, typical problems discovered are summarized as follows - bushings that exhibited elevated power factor test results, gas leaks, deteriorated oil based on test results, deteriorated or worn internal tank components (interrupters, efevated contact resistance, moisture intrusion), compressor system problems, and mechanism problems.	Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Gas leaks are addressed based on the severity and the location of the gas leak. If the gas leak is severe, a complete overhaul of the circuit breaker may be required which would be scheduled as soon as practical. Deteriorated cil is typically cleaned and reclaimed by filtering at the time of the circuit breaker/recloser internal inspection, or replaced	12/31/2009	Problems that affect reliability or safety are addressed at the time maintenance is performed. Other conditions are noted for reference in the normal course of business. Dates are recorded in the Integrated Station Inspection System (ISIS) Database.	

Electric Service And Safety Standards

1.	2.	3.	4.	5.	6.	7.
Program hame	Transmission "T", distribution "D", transmission substation "T8", or distribution substation "D8"	Program finding(s) causing remedial activity	Remedial activity performed	Actual completion date	Remedial activity yet to be performed	Estimated completion date
			with new oil if the level of deterioration warrants. Deteriorated or worn internal components are typically replaced or repaired during the circuit breaker/recloser internal inspection, however, judgment is used on continued serviceability and the circuit breaker may be placed on an accelerated inspection schedule. Compressor system problems and mechanism problems are addressed when found as these conditions can affect the timing and operation of			

1.	2.	3.	4	5.	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
			the circuit breaker or recloser. Any moisture intrusion is typically corrected at the time of the internal inspection.			
D - Conductors (Underground Cable Rejuvenation) GOAL - Rejuvenation of primary underground cable based on age, condition and reliability history.	D	Underground primary line sections that met cable rejuvenation guidelines were identified and scheduled for treatment.	Primary cables were rejuvenated using the CableCure and Novinium rejuvenation processes.	12/31/2009	None required.	

Electric Service And Safety Standards

1	2.	3.	4.	5.	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
D - Conductors (Overhead Conductor Replacement) GOAL - Replacement of overhead conductor installations based on age, condition and reliability history	D	Line sections of mostly small wire (typically #6 Copper or #4 ACSR) with numerous splices or suspected of having a corroded steel core were identified and scheduled for replacement.	Conductors were replaced with #2AA conductor or larger.	12/31/2009	None required.	

Electric Service And Safety Standards

1.	2.	3.	4.	5.	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
D - Conductors (Underground Cable Replacement) GOAL - Replacement of primary underground cable installations based on age, condition and reliability history.	D	Underground primary line sections that had repeated cable failures due to break down of cable insulation were identified and scheduled for replacement.	Primary cables were replaced with new URD cable.	12/31/2009	None required.	

Electric Service And Safety Standards

1.	2.	3	4.	5.	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
D - Line Capacitors GOAL - Inspect all line capacitors annually.	D	There were 164 capacitors found in need of repairs. Of the conditions found, approximately 54% involved capacitor fuses assemblies, 16% involved switch or switch operation, 7% defective hardware, and 23% miscellaneous matters associated to insulators, connections, lightning arresters, controls, ground connections not continuous, etc.	Controls were repaired or replaced. Other defects were reported to the line department for follow-up.	12/31/2009	Make repairs to remaining defects identified during the inspection.	12/31/2010

Electric Service And Safety Standards

1	2.	3.	4.	6.	6.	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 completion date
D - Line Electronic Reclosers (Inspections) GOAL - Full inspection annually plus a second inspection each year for battery check.	D	There were 16 locations found requiring action. Of the conditions found requiring action, approximately 61% involved battery and the other 39% were from miscellaneous matters associated to cutouts, insulators, grounds, off-line/by-passed, lightning arresters, etc.	Batteries were replaced. All other defects found have been referred to the line department for follow-up.	12/31/2009	Make repairs to remaining defects identified during the inspection.	12/31/2010

Electric Service And Safety Standards

1.	2.	3.	4.	5,	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
D - Line NonElectronic Reclosers (Inspections) GOAL - Inspect all nonelectronic line reclosers annually.	D	There were 18 locations found requiring action. Of the conditions found requiring action, approximately 62% ground connections not continuous and 38% miscellaneous problems such as, settings off-line/by-passed, hardware, lightning arresters, etc.	Miscellaneous defects involving ground connections were repaired. All other defects found have been referred to the line department for follow-up.	12/31/2009	Make repairs to remaining defects identified during the inspection.	12/31/2010
D - Line Reclosers (Maintenance) GOAL - Maintain reclosers on a 6 (+/-) year cycle.	D	Reclosers in service 6 (+/-) years were identified and scheduled for replacement.	Replaced reclosers with reconditioned or new units.	12/31/2009	None required.	

1.	2.	3.	4.	5.	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
D - Line Reclosers (New Vacuum Replacements) GOAL - Replace hydraulic reclosers with new vacuum interrupting reclosers	D	A limited number of hydraulic reclosers in service 6 (+/-) years were identified and scheduled for replacement with vacuum units	Replaced hydraulic reclosers with new vacuum reclosers.	12/31/2009	None required.	
D - Network System (Vaults) GOAL - Inspect all vaults annually.	D	Inspection revealed need for some degree of concrete work on 9 transformer vaults. Also found some vaults in need of grounding improvements.	Seven vault tops were replaced and two were repaired	10/21/2009	Atl vault tops are in reasonable condition at this time.	

Electric Service And Safety Standards

1.	2.	3.	4.	5.	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
D - Network System (Manholes) GOAL - Inspect network manholes on a four year cycle.	D	Identified locations needing cable support arms. Found some deteriorating cable and connectors at a few locations.	Replaced 1700 ' of secondary cable, removed 1400' of old primary cable and installed 5000'. Completed 96 primary splices, installed 24 new secondary connections, installed 400' neutral conductor, replaced or installed 185 current limiters, and replaced 11 cable support arms. Upgraded ground rings in 20 manholes. Much of this work was part an ongoing rebuild project in the Canton nework.	12/31/2009	Support arms with primary circuits will be replaced when those feeders can be removed from service. None were critical. Additional cable will be replaced as part of a multi-year project to rebuild a major portion of the Canton network.	

1.	2.	3,	4.	5.	6.	7.
Program name	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program finding(s) causing remedial activity	Remedial activity performed	Actu el comp le tion date	Remedial activity yet to be performed	Estimated completion date
D - Network System (Protectors) GOAL - Inspect all network protectors annually.	D	Found 8 network protectors requiring maintenance.	All problems found in 2008 were minor and repairs were made during inspection. 1 relay was replaced in 2009.	12/31/2009	A number of protectors will be replaced as part of work to be completed in conjunction with a multi-year project to rebuild a major portion of the Canton network.	12/31/2010
D - Network System (Transformers) GOAL - Inspect all network transformers annually.	D	There were some transformers with oil results that will need to continue to be monitored.	Replaced 3 transformers. Continued oil sampling and monotoring	12/02/2009	Will continue to monitor DGA oil tests for all active transformers. Some transformers will be relaced in 2010.	12/31/2010

1.	2.	3.	4,	8.	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
D - Poles (Inspection) GOAL - The program consists of a detailed inspection of company owned wood poles once every 10 years for all poles that have been in service for 18 years or longer.		Above and below ground inspection and treatment of poles.	See results of pole treatment, replacement or reinforcement below.	12/12/2009	None required.	

Electric Service And Safety Standards

1.	2.	3,	4.	5.	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
D - Poles (Reinforcement) GOAL - Reinforcement of poles with internal or external decay and inadequate strength.	D	Above and below ground inspection of poles identified those poles that are not likely to have enough remaining adequate strength to make it through the next inspection cycle.	Poles that met the reinforcement criteria were reinforced by contract crews	12/31/2009	Restore remaining poles identified in the 2009 program.	03/31/2010

Electric Service And Safety Standards

1.	2.	3.	4.	5.	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
D - Poles (Replacement) GOAL - Replacement of poles with internal or external decay and inadequate strength that are not reinforceable.	ם ·	Above and below ground inspection of poles identified those poles that are not likely to have enough remaining adequate strength to make it through the next inspection cycle.	A number of poles identified as reject poles under this year's inspection program were replaced. These were primarily priority rejects. Most of the poles replaced were identified during inspections performed in prior years.	12/31/2009	Replace remaining rejected poles identified during the 2009 inspection program. 07/30/10 for priority replacements. 07/30/12 for normal replacements.	07/31/2012
D - Poles (Treatment) GOAL - Treatment of poles with internal or external decay but adequate strength.	D	Above and below ground inspection of poles identified those requiring chemical treatment to resist decay.	Preservative treatment applied to poles meeting treatment criteria.	12/12/2009	None required.	

1.	2.	3.	4.	8.	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
D - Primary and Secondary Enclosures GOAL - Five year inspection cycle of underground primary and secondary enclosures.	D	Of the conditions found requiring action, approximately 15% involved missing locking bolts. Another 63% involved erosion and Issues Impacting equipment accessibility and security. About 20% involved missing structure numbers.	Locking bolts were replaced, structure numbers were installed and any defects posing a hazard to employees and the public were corrected.	12/31/2009	Non-hazardous defects requiring attention are typically repaired within 12 months of being identified during inspection.	12/31/2010

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1.	2.	3.	4.	5.	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
D - Protection and Control GOAL - Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the	DS	Most of the relay systems were found to be in good operating condition and did not require any corrective maintenance. In some instances, the Protection and Control maintenance program identified relays and relay schemes that were inoperative or partially inoperative due to dirty contacts, coils, associated wiring, or other components. Relays that were found to be inaccurate or inoperative were recalibrated or in some cases replaced if the physical condition	Any deficiencies identified were either rectified at the time of discovery or as soon as replacement parts were available. The problems that were identified and corrected helped to ensure the safety of our system, reduce outages to customers, and prevent possible damage to other power system equipment.	12/31/2009	Problems that affect reliability or safety are addressed at the time maintenance is performed. Other conditions are noted for reference in the normal course of business. Dates are recorded in the Protection and Control Information System (PCIS) Database.	

1.	2.	3.	4.	5.	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
maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment.		warranted. Relay schemes that failed to operate as designed due to component failure were restored to full functionality through a number of means including the cleaning of contacts, the adjustment of components; and the replacement of failed parts.				

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1.	2.	3.	4.	5.	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	Remedia! activity yet to be performed	Estimated completion date
D - Right-of-Way Vegetation Control GOAL - Vegetation management is a long term program (more than a year or two) and contains work prescriptions which include: type of treatment (mechanical, manual, herbicide) based on tree and environmental conditions priority and schedule of treatment by line/circuit and cost of treatment. As the plan progresses over time, these work	D					

1.	2.	3.	4.	5.	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
prescriptions will change based on the size and type of vegetation. The initial prescription for clearing an easement may include several types of activity such as: trimming, removing, mowing and spraying. In four or five years that same easement's work prescription may only need spraying. AEP's Forestry staff and contractors continuously work to insure the appropriate prescription is utilized to increase effectiveness and efficiency.						

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1.	2.	3.	4.	5.	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
D - Station Inspections GOAL - The goals are to (1) prevent unplanned outages or failures and/or safety hazards by identifying and correcting problems during scheduled inspections; and (2) reduce customer outages and associated call-outs for station problems by detecting problems and correcting them in a timely manner.	DS	The replacement of burned out control panel and equipment lights are accomplished during the inspection. Also, station batteries are Inspected for corroded terminals and any abnormal cells. Terminals are cleaned and any abnormalities are reported into the tablet computers. Battery ground lights are checked which could indicate a possible ground in the DC system, and the overall battery charger voltage and current are taken and recorded, with the	Typically many of the minor items discovered as part of the Station Inspection Program can be and are remedied during the inspection. The level of resources required and the severity of the findings determine the scheduling and response if the situation cannot be dealt with during the time of the inspection.	12/31/2009	Nane required.	

1	2.	3,	4.	5.	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
		battery charger output voltage adjusted as necessary during the inspection. Control house heaters, air conditioning units or heat pumps are checked to ensure these devices are operating properly. Station grounds are inspected with special attention to the fence and gates to ensure the station is secure. Any problems with the fence or gate are repaired. If permanent repairs cannot be completed at this time it is noted in the tablet computers and temporary repairs				

Electric Service And Safety Standards

1.	2.	3.	4.	5.	6.	7.
Program name	Transmission "T", distribution "D", transmission substation "T8", 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
	·	are made. During the inspection personnel inspect the yards, structures and equipment for broken insulators, bird nests and other yard debris.				

Electric Service And Safety Standards

1.	2.	3.	4.	5.	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
D - Transformers GOAL - The goals of this program are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve	DS	Of the maintenance performed on substation transformers during 2009, typical problems discovered are summarized as follows - bushings that exhibited elevated power factor test results, surge arresters that were found deteriorated by test, minor oil leaks, cooling system debris, temperature gauge problems, Load Tap Changer (LTC) contact wear, minor gas system leaks, and Load Tap Changer (LTC) filtration unit problems.	Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Surge arresters found deteriorated based on test results are addressed by an accelerated testing schedule or a scheduled replacement. Typically, most minor oil leaks and minor gas system leaks are addressed in as much as practical on site during preventive maintenance; however, leaks that cannot be easily repaired would be	12/31/2009	Problems that affect reliability or safety are addressed at the time maintenance is performed. Other conditions are noted for reference in the normal course of business. Dates are recorded in the Integrated Station Inspection System (ISIS) Database.	

1.	2.	3.	4.	6.	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
optimum loading of all transformers.			scheduled for repair based on the severity of the condition and the level of resources required. Load Tap Changer contacts exhibiting excessive wear are generally replaced during the LTC inspection process and LTC filtration units are maintained as conditions warrant. Debris in transformer cooling systems (radiators) are typically removed when found, however, transformers with coolers instead of radiators require high-pressure washing which must be			

1,	2.	3.	4.	5.	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
			scheduled. Defective gauges found are either recalibrated or scheduled for replacement in the normal course of business.			

1.	2.	3.	4.	5.	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
D - Voltage Regulators GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner.	DS	Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator,	Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator.	12/31/2009	None required.	

1.	2.	3.	4.	6.	6.	7.
Program name	Transmission "T", distribution "D", transmission substation "TS", or distribution substation "D8"	Program finding(s) causing remedial activity	Remedial activity performed	Actual completion date	Remedial activity yet to be performed	Estimated completion date
T - Capacitor Banks GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for capacitor bank problems by replacing limited lifetime components in a timely manner.	TS	Prior to each peak load season (winter and/or summer) station capacitor banks are checked, typically during a monthly station inspection, to make sure that the unit is operating properly and will be available when called upon to support system voltages. Should a component failure, such as a capacitor can, fuse or vacuum bottle, be identified as part of the monthly station inspections, the falled unit is simply replaced with a new unit. Typically these repairs	Prior to each peak load season (winter and/or summer) station capacitor banks are checked, typically during a monthly station inspection, to make sure that the unit is operating property and will be available when called upon to support system voltages. Should a component failure, such as a capacitor can, fuse or vacuum bottle, be identified as part of the monthly station inspections, the failed unit is simply replaced with a new unit. Typically these repairs	12/31/2009	None required.	

1.	2.	3.	4.	5.	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
		are made shortly after the condition is identified.	are made shortly after the condition is identified.			

1.	2.	3.	4.	5.	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
T - Circuit Breakers and Reclosers GOAL - The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled Inspections; and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner.	TS	Of the maintenance performed on substation circuit breakers and reclosers during 2009, typical problems discovered are summarized as follows - bushings that exhibited elevated power factor test results, gas leaks, deteriorated oil based on test results, deteriorated or worn internal tank components (interrupters, elevated contact resistance, moisture intrusion), compressor system problems, and mechanism problems.	Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Gas leaks are addressed based on the severity and the location of the gas leak. If the gas leak is severe, a complete overhaul of the circuit breaker may be required which would be scheduled as soon as practical. Deteriorated oil is typically cleaned and reclaimed by filtering at the time of the circuit breaker/recloser internal inspection, or replaced	12/31/2009	Problems that affect reliability or safety are addressed at the time maintenance is performed. Other conditions are noted for reference in the normal course of business. Dates are recorded in the integrated Station Inspection System (ISIS) Database.	

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1.	2.	3.	4.	5.	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
			with new oil if the level of deterioration warrants. Deteriorated or worn internal components are typically replaced or repaired during the circuit breaker/recloser internal inspection, however, judgment is used on continued serviceability and the circuit breaker may be placed on an accelerated inspection schedule. Compressor system problems and mechanism problems are addressed when found as these conditions can affect the timing and operation of			

1.	2.	3.	4,	5.	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
			the circuit breaker or recloser. Any moisture intrusion is typically corrected at the time of the internal inspection.			

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1.	2	3.	4.	5.	6.	7
Program name	Transmission "T", distribution "D", transmission substation "T8", 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
T - Line inspections GOAL - The intent of line inspections is to check the present condition of a line and determine if any of its components exhibit a near term potential to fail and cause an outage or a safety problem.	T	A major portion of the conditions found involved structural components such as poles, crossarms, guying and hardware. Insulator problems (chipped, burned, broken) and conductor/shieldwire problems were the next largest group of conditions found. Relatively fewer conditions involved transmission corridor problems such as easement encroachments, landslides or washouts. Various miscellaneous conditions were also	The line conditions remedied included the most severe structural conditions while the more moderate structural conditions were noted for subsequent corrective action. Defective insulators requiring immediate attention were also replaced. Urgent transmission corridor problems were dealt with immediately, while others may require longer-term litigation or engineering studies to resolve. Additionally, many corrective actions were made to facilities during	07/08/2009	None required.	

1.	2.	3,	4.	5.	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
		noted including, among other things, missing structure numbering signs, damaged FAA markings and foreign attachments.	restoration efforts following major storm activity.			

Electric Service And Safety Standards

1.	2.	3.	4.	5.	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
T - Line Maintenance GOAL - The intent of line maintenance is to avoid line outages and/or safety concerns whenever practical and to minimize the duration of outages when they occur.	Т	Data collected as part of the line inspection program is analyzed and categorized to establish a work plan. The most serious items detected that can lead to line outages and/or safety hazards, such as broken poles or cross-arms, are scheduled for prompt corrective action. Less serious problems, such as loose bolts or broken ground wires, which have little or no chance of causing outages or safety Issues are catalogued as non-critical and scheduled for	Typically, these problems are corrected as general line maintenance is performed but, in some cases, may become part of a capital line rebuild or rehabilitation program.	12/29/2009	None required.	

1.	2,	3.	4.	6.	6.	7.
Program name	Transmission "T", distribution "D", transmission substation "T5", 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
		replacement or repair in a timely, but less critical manner.				

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1.	2.	3.	4.	5.	6.	7.
Program name	Transmission "T", distribution "D", transmission substation "T5", 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
T - Protection and Control GOAL - Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the	TS	Most of the relay systems were found to be in good operating condition and did not require any corrective maintenance. In some instances, the Protection and Control maintenance program Identified relays and relay schemes that were inoperative or partially inoperative due to dirty contacts, coils, associated wiring, or other components. Relays that were found to be inaccurate or inoperative were recalibrated or in some cases replaced if the physical condition	Any deficiencies identified were either rectified at the time of discovery or as soon as replacement parts were available. The problems that were identified and corrected helped to ensure the safety of our system, reduce outages to customers, and prevent possible damage to other power system equipment.	12/31/2009	Problems that affect reliability or safety are addressed at the time maintenance is performed. Other conditions are noted for reference in the normal course of business. Dates are recorded in the Protection and Control Information System (PCIS) Database.	

1.	2.	3.	4.	5,	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
maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment.		warranted. Relay schemes that failed to operate as designed due to component failure were restored to full functionality through a number of means including the cleaning of contacts, the adjustment of components, and the replacement of failed parts.				

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1.	2.	3,	4.	5,	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
T - Right-of-Way Vegetation Control GOAL - The Intent of right of way maintenance is to minimize line outages and/or safety hazards caused by vegetation growing too near energized conductors. Trees, shrubs and vines that have the potential to grow or fall into transmission lines must be removed or their growth contained.	T					

1.	2,	3.	4.	5.	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
T - Station Inspections GOAL - The goals are to (1) prevent unplanned outages or fallures and/or safety hazards by identifying and correcting problems during scheduled inspections and (2) reduce customer outages and associated call-outs for station problems by detecting problems and correcting them in a timely manner.	T\$	The replacement of burned out control panel and equipment lights are accomplished during the inspection. Also, station batteries are inspected for corroded terminals and any abnormal cells. Terminals are cleaned and any abnormalities are reported into the tablet computers. Battery ground lights are checked which could indicate a possible ground in the DC system, and the overall battery voltage and battery charger voltage and current are taken and recorded, with the	Typically many of the minor items discovered as part of the Station Inspection Program can be and are remedied during the inspection. The level of resources required and the severity of the findings determine the scheduling and response if the situation cannot be dealt with during the time of the inspection.	12/31/2009	None required.	

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1.	2.	3.	4.	5.	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
		battery charger output voltage adjusted as necessary during the inspection. Control house heaters, air conditioning units or heat pumps are checked to ensure these devices are operating properly. Station grounds are inspected with special attention to the fence and gates to ensure the station is secure. Any problems with the fence or gate are repaired. If permanent repairs cannot be completed at this time it is noted in the tablet computers and temporary repairs				

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1.	2.	3.	4.	5.	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
		are made. During the inspection personnel inspect the yards, structures and equipment for broken insulators, bird nests and other yard debris.		·		

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1.	2,	3.	4.	5.	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
T - Transformers GOAL - The goals of this program are to (1) prevent unplanned outages or failures by Identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve	T\$	Of the maintenance performed on substation transformers during 2009, typical problems discovered are summarized as follows - bushings that exhibited elevated power factor test results, surge arresters that were found deteriorated by test, minor oil leaks, cooling system debris, temperature gauge problems, Load Tap Changer (LTC) contact wear, minor gas system leaks, and Load Tap Changer (LTC) filtration unit problems.	Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Surge arresters found deteriorated based on test results are addressed by an accelerated testing schedule or a scheduled replacement. Typically, most minor oil leaks and minor gas system leaks are addressed in as much as practical on site during preventive maintenance; however, leaks that cannot be easily repaired would be	12/31/2009	Problems that affect reliability or safety are addressed at the time maintenance is performed. Other conditions are noted for reference in the normal course of business. Dates are recorded in the integrated Station Inspection System (ISIS) Database.	

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1.	2.	3.	4.	6.	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
optimum loading of all transformers.			scheduled for repair based on the severity of the condition and the level of resources required. Load Tap Changer contacts exhibiting excessive wear are generally replaced during the LTC inspection process and LTC filtration units are maintained as conditions warrant. Debris in transformer cooling systems (radiators) are typically removed when found, however, transformers with coolers instead of radiators require high-pressure washing which must be			

1.	2.	3.	4.	5.	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
			scheduled. Defective gauges found are either recalibrated or scheduled for replacement in the normal course of business.			

1,	2.	3.	4.	5.	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
T - Voltage Regulators GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner.	TS	Typical problems discovered are toose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator.	Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator.	12/31/2009	None required.	

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1.	2.	3,
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals
DS	D - Capacitor Banks	Since capacitor banks are comprised of sealed units, with essentially no moving parts, minimal maintenance is required. Any maintenance that is required is normally scheduled to coincide with station breaker maintenance.
D	D - Circuit and Line Inspections	167 circuits; (2010 projection = 173 circuits)
DS	D - Circuit Breakers and Reclosers	2010 Goal = 33 external inspections and maintenance; 2010 Goal = 179 internal inspections and maintenance.
D	D - Conductors (Underground Cable Rejuvenation)	2 miles (2010 projection = 0 miles). This program has been stopped.
D	D - Conductors (Overhead Conductor Replacement)	5 miles (2010 projection = 6 miles)

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1.	2.	3.
Transmission "T", distrbution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals
D	D - Conductors (Underground Cable Replacement)	6 miles (20109 projection = 3.5 miles)
D	D - Line Capacitors	1814 banks, 2896 inspections (2010 projection = 1784 banks, inspections 2878)
D	D - Line Electronic Reclosers (Inspections)	622 reclosers, 1184 inspections (2010 projection = 589 reclosers, 1178 inspections)
D	D - Line NonElectronic Reclosers (Inspections)	4908 reclosers (2010 projection = 4983 reclosers)
D	D - Line Reclosers (Maintenance)	365 reclosers; (2010 projection = 447 reclosers)
D	D - Line Reclosers (New Vacuum Replacements)	41 reclosers; (2010 projection = 35 reclosers)

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1.	2.	3.
Transmission "T", Program name distribution "D", transmission substation "TS", or distribution substation "DS"		Program goals
D	D - Network System (Vaults)	83 vaults; (2010 projection =83 vaults)
a	D - Network System (Manholes)	88 manholes; (2010projection = 89 manholes)
D	D - Network System (Protectors)	75 network protectors; (2010 projection = 75 protectors)
D	D - Network System (Transformers)	Oil Analysis: 87 network transformers (2010 projection = 89 transformers); Structural Integrity Inspections: 126 network transformers; (2010 projections = 129 transformers)
D	D - Poles (Inspection)	28,000 poles; (2010 projection = 41,000 poles)
ם	D - Poles (Reinforcement)	220 pales; (2010 projection = 400 poles)
D	D - Poles (Replacement)	900 poles; (2010 projection = 1,100 poles)

1.	2.	3.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals
. D	D - Poles (Treatment)	4,760 poles; (2010 projection = 6,150 poles)
D	D - Primary and Secondary Enclosures	5,000 transformers; (2010 projection = 5,900 structures)
DS	D - Protection and Control	2010 Goal = 556 D - discrete relay calibrations; 2010 Goal = 2482 D - functional trip tests on relay trip paths.
D	D - Right-of-Way Vegetation Control	In 2009, 2,950 miles were planned. The goal for 2010 is 4,020 miles. It should be noted that the line mileage reported between consecutive years may change markedly due to the variations in the density of vegetation within the right-of-way, depending on the geographic location of the lines being addressed.
DS	D - Station Inspections	2010 Goal ≂ Inspect 353 distribution stations on a monthly basis.

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1.	2.	3.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals
D8	D - Transformers	2010 Goal = 57 minor external inspections and maintenance; 2010 Goal = 0 major internal inspections and maintenance.
DS	D - Voltage Regulators	Based on experience and results of previous monthly station inspections, no distribution station feeder or bus regulator maintenance was planned in 2010 for OPCO voltage regulators. Data from monthly station inspection programs is continually monitored a
TS	T - Capacitor Banks	Since capacitor banks are comprised of sealed units, with essentially no moving parts, minimal maintenance is required. Any maintenance that is required is normally scheduled to coincide with station breaker maintenance.
TS	T - Circuit Breakers and Reclosers	2010 Goal = 125 external inspections and maintenance; 2010 Goal = 74 Internal inspections and maintenance.
Т.	T - Line Inspections	2010 Goal = Inspect 100% of OPCO tranmission lines.

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1.	2.	3.
Transmission "T", distrbution "D", transmission substation "TS", or distribution substation "DS"	Program name	Program goals
Т	T - Line Maintenance	The 2010 goal is to schedule and perform transmission line maintenance, as necessary, based on issues identified during inspections.
TS	T - Protection and Control	2010 Goal = 1249 T - discrete relay calibrations; 2010 Goal = 4425 T - functional trip tests on relay trip paths.
Т	T - Right-of-Way Vegetation Control	2010 Goal = maintain 824.0 miles of transmission line right-of-way.
TS	T - Station Inspections	2010 Goal = inspect 187 transmission stations on a monthly basis.
TS TS	T - Transformers	2010 Goal = 37 minor external inspections and maintenance; 2010 Goal = 0 major internal inspections and maintenance.

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1.	2.	3.
Transmission "T", distribution "D", transmission substation "T8", or distribution substation "D8"	Program name	Program goals
TS	T - Voltage Regulators	Based on experience and results of previous monthly station inspections, no transmission station feeder or bus regulator maintenance was planned in 2010 for OPCO voltage regulators. Data from monthly station inspection programs is continually monitored and evaluated. If necessary, regulator maintenance will be performed as equipment conditions warrant.

10. 4901:1-10-26 (B)(3)(f)(iv) Prevention of overloading or excessive loading of facilities and equipment program(s)

8	b.	C.
Transmission or Distribution ("T" or "D")	Program or plan name	Program Description .
D	Distribution Load Forecast and Capacity Review Process	The actual and projected thermal demands based on projected load growth and anticipated new loads are evaluated for substation equipment and circuit main feeders each year following the summer peak season. This is the "Load Forecast Process". Overloads and projected overloads identified are further analyzed during the "Capacity Review Process" to see if simple remedies such as load balancing, power factor correction, load transfers, etc. can be done or if more involved improvement plans need to be developed. If overloads are anticipated to occur within the next peak load cycle, short-term remedies are implemented or contingency plans are prepared in the event that loading would reach certain levels. In addition, long-term improvement plans are developed for consideration in the next budgeting cycle.
Т	Transmission Planning process	The planning process, as carried out in the eastern AEP area, provides the focus for establishing an appropriate level of system reliability. The planning process includes seasonal assessments of system performance near term facility addition studies and long term strategic planning. The planning process typically begins with a deterministic appraisal of transmission system performance. When such appraisals identify potential problems, detailed studies are conducted to evaluate the severity of the problem and to develop an optimal plan to remove or mitigate the deficiency. The projects listed in Tables 1 and 3 are the network reinforcements for the transmission systems of OP for the next few years.

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11. 4901:1-10-28 (B)(3)(f)(v) Actions to remedy overloading or excessive loading of equipment and facilities

Program Name = Transmission Planning process

â.	b.	c.	d	0.	f.	g.
Transmission or distribution ("T" or "D")	Sub/Circuit name	Date overloading identified	Plans to remedy overloading	Estimated completion date	Action(s) already taken to remedy overloading	Actual completion date
Ť		01/31/2003	TP-2003-056 - The plan involves conversion of the 34.5 kV subtransmission system between Millersburg and West Dover to 69 kV operation, alleviating overloads and low voltage conditions, and replacing deteriorated facilities. The project is complete.	05/01/2009	N/A	05/01/2009
T		03/28/2006	TP-2006-035 - The plan includes the installation of 345/138 kV transformation at the Don Marquis Station, along with other station and line upgrades. The improvements will alleviate contingency overloads affecting the 138 kV system in the southern Ohio area.	11/01/2010	None	

11. 4901:1-10-26 (B)(3)(f)(v) Actions to remedy overloading or excessive loading of equipment and facilities

Program Name = Transmission Planning process

a.	b.	c.	d.	6.	f.	g.
Transmission or distribution ("T" or "D")	Sub/Circuit name	Date overloading identified	Plans to remedy overloading	Estimated completion date	Action(s) aiready taken to remedy overloading	Actual completion date
Т		11/21/2006	TP-2006-122 - The plan involves conversion of the 34.5 kV subtransmission system between Newcomerstown and Cambridge to 69 kV operation (completed during 2009), alleviating overloads and low voltage conditions, and replacing deteriorated facilities. Additional improvements are scheduled for 2010-2012.	12/01/2012	Portions of the improvement project are underway and will be completed on an ongoing basis.	
Т		01/01/2007	TP-2007-073 - This project involves 69 kV reinforcements to alleviate overloads and low voltage conditions. Additional switching enhancements will also improve outage performance.	12/31/2013	Portions of the improvement project are underway and will be completed on an ongoing basis.	
Т		09/01/2007	TP-2007-115 - This project involves rebuilding and reconductoring about 4 miles of 69 kV line.	12/01/2010	None	

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11. 4901:1-10-26 (B)(3)(f)(v) Actions to remedy overloading or excessive loading of equipment and facilities

Program Name = Transmission Planning process

a.	b.	G.	d.	e.	f	g-
Transmission or distribution ("T" or "D")	Sub/Circuit name	Date overloading identified	Plans to remedy overloading	Estimated completion date	Action(s) already taken to remedy overloading	Actual completion date
Т		09/01/2007	TP-2007-134 - This project involves rebuilding and reconductoring about 4 miles of 69 kV line. The project is complete.	06/01/2010	N/A	06/18/2009

Notes

Column b: See Column d for project descriptions.

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12. 4901:1-10-26 (B)(3)(g)(I) Programs Deleted

a.	b.	С,		
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Deleted program name	Explanation for elimination of program		

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13. 4901:1-10-26 (B)(g)(g)(ii) Programs modified

a.	b.	G.	d.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Modified program name	Explanation of modifications(s) to program	Anticipated effects on program as result of modification(s)

14. 4901:1-10-28 (B)(3)(g)(III) Program added

a.	b.	c.	d.
Transmission "T", distribution "D", transmission substation "TS", or distribution substation "DS"	Added program name	Explanation of additional program's purpose	Expected goals for additional program

15. 4901:1-10-26 (B)(4) Planned and unplanned interruptions of service

a.	b.	C.	d	ө.
Type of system	Number of planned interruptions	Duration of planned Interruptions (in minutes)	Number of unplanned interruptions	Duration of unplanned interruptions (in minutes)
D	6,677	5,319,856	13,976	80,533,608
T	3	609	18	5,583

15a, 4901:1-10-26 (B)(4) <u>Voltage measurements</u>

	a.		
Type of system	Sampling of voltage measurements for the reporting period		
D	Distribution station buses or circuits are typically regulated to maintain 125 volts. Therefore, voltage charts for these sources would show minimal voltage variations.		
Т	Typically transmission system voltages range between 95-105% of nominal. On occasion, system voltages may fall outside of these ranges for short periods of time. In general, load tap changers (LTCs) or regulators are installed at transmission/distribution substations to maintain voltages at desirable levels.		

Electric Service And Safety Standards

16. 4901:1-10-26 (B)(5) Service Interruptions due to other entity

a.	b	C.	d.	e.	f.	g.
Date of Interruption	Time of Interruption	Type of entity causing interruption	Name of entity causing the interruption	Impact on transmission or distribution ("T" or "D")	Sub/Circuit(s) interrupted	Cause(s) of interruption of service
02/12/2009	6:46:00AM	Industrial Customer	Consolidated Coal	D	5007/7500701	Customer Equipment
01/01/2009	4:07:00PM	Electric Cooperative	Mid-Ohio	D .	2043/7204301	Other Utility
01/01/2009	4:07:00PM	Electric Cooperative	Mid-Ohio	D	2043/7204302	Other Utility
01/01/2009	4:07:00PM	Electric Cooperative	Mid-Ohio	D	2043/7204303	Other Utility
09/26/2009	9:48:00AM	Electric Cooperative	Buckeye Rural Electric Cooperative	D .	4116/7411602	Other Utility
06/08/2009	2:25:00PM	Electric Cooperative	Adams Rural	D	4237/7423701	Other Utility
05/19/2009	4:32:00PM	Industrial Customer	PPG	τ .		Customer Equipment

Electric Service And Safety Standards

16. 4901:1-10-26 (B)(5) Service interruptions due to other entity

a	b.	c.	d.	е.	f.	g.
Date of interruption	Time of interruption	Type of entity causing interruption	Name of entity causing the interruption	impact on transmission or distribution ("T" or "D")	Sub/Circuit(s) Interrupted	Cause(s) of interruption of service
09/28/2009	12:33:00AM	Industrial Customer	COLFOR	T		Customer Equipment
08/25/2009	10:36:00PM	industrial Customer	Stuebenville Pumping	Т		Customer Equipment
08/14/2009	11:14:00AM	Industrial Customer	Luntz Corp	T		Customer Equipment
06/16/2009	1:25:00PM	Industrial Customer	SCP	Т		Customer Equipment
10/20/2009	4:07:00AM	Electric Distribution Utility	First Energy	т		Other Utility
10/01/2009	4:48:00AM	Electric Distribution Utility	First Energy	Т		Other Utility

16. 4901:1-10-26 (B)(5) Service interruptions due to other entity

a,	b.	C.	d.	e.	f.	g.
Date of interruption	Time of interruption	Type of entity causing Interruption	Name of entity causing the interruption	Impact on transmission or distribution ("T" or "D")	Sub/Circuit(s) interrupted	Cause(s) of interruption of service
03/04/2009	8:33:00PM	Electric Distribution Utility	APS	Т		Other Utility

	Reporting Period			· · · · · · · · · · · · · · · · · · ·
Company Name	Begin Date	Regulatory Filing ID (FERC Docket)	NERC Violation ID	Reliability Standard Violated
ote: AEP did not have an	ny NERC violations to r	eport in 2009.		
				`
		,		

	Reporting Period	·	
Company Name	Begin Date	RTO Violations	Violation Explanation
ote: AEP did not have an	y PJM RTO violations	to report for 2009.	
	ţ		

		Reporting Period	
Top Ten Congested Facilities	Company Name	Begin Date	Congested Facilities
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

	Reporting Period						
Company Name	Begin Date	Flowgate or Origin/Terminus	TLR Date	TLR Start	TLR End	Highest TLR Level	Firm Load Interrupted (Y/N)
							(1717)
		-					
Note: AEP did not have a	ny TLR's to report in 20	09.					· · · · · · · · · · · · · · · · · · ·
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				·	-		

ESSS Rule 26 (B)(1)(e)		
	Reporting Period	
		Decription of the relationship
	Į.	between Annual System
		Improvement and Plan TRO
Company Name	Begin Date	Transmission Expansion Plan
KPCo	1/1/09 12:00 AM	\$993,424,3

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DARP CHIC RULE 34 TA 0 :	PERC FUNCTIONAL	ACCOUNT	STANSFAULT									
•	-						CAM					
,	Recerting Period	PIRG		FEBC SUB-		FUNCTIO	Page Year's	Phot year's			Carried Vine's	
Contpany	Steel Date	ACCOUNT		ACCOUNT	FERC BUB-ACCOUNT 715LB	N COOK FUNCTION COOK TITLE	Budget	أحداده أ	\$ Vadyace	Voltage &	Budget	(i) (i) (iii) (iii
Columbus Southern Power Columbus Southern Power	1662006 171/2006	880	660 Operation Supr Engr-Trans	5600000	Oper Supervisus & Engineering	(n/a) Elec Treas Ope Excl Trans Pool	Wa	\$1.804.95Z)Me Ma	nia	(min)	Burger veterme at the But Account lead not materiaged to ASP CHIO does not manage Operations by FER Burger venions at the But Account lead not managed to be ASP OHIO does not mesage Operations by FER
Columbus Southern Fourier Columbus Southern Fourier	A15000 (U/500)	561 561	661 Lood Chepstering 661 Lood Chepstering	8610000 5611000	Lead Dispatching Load Dispatch - Pattabilly	(nia) Elec Trans Ops Exci Trans Paci (nia) Elec Trans Ops Exci Trans Paci	Nia ajte	\$4,034 \$67,678	N/S	nile nile	(n/a) (n/a)	THE RESIDENCE WAS A STATE OF THE RESIDENCE OF THE PROPERTY OF
Columbus Southern Power	111/2000	44	\$61 Load Disputering	5512000	Lean Dispolati-Mintes Co Transfers	(n/a) Rine Trans Opt Exci Trave Pour	LHA.	\$1,358,037	16/8	(7/0	(rula)	Burges septance at the Stat Account level not passingful as AEP OHIO does not examine Operations by FER Burges valueurs at the Stat Account level not manningful die AEP OHIO daes not menage Operations by FER
Columbus Bouthern Power	1/1/2006	501	861 Load Dispatching	5619009	LANG DISTRICT TORSE WITH EBERRA	(rie) Elec Trans Ops Eacl Trans Pent	HPs Nov Ma Ma Ma	\$2,57 1	Na	nte	(alia) (alia) (alia) (alia) (alia) (alia) (alia)	Budget utdarum at the Rule Account leuel and and manningful dis AEP CHIC does not manage Operations by FER
Columbus Boulhern Power Columbus Boulhern Power	M1/2006	581 542	564 Land Olepatching 562 Station Expenses-Trans	5615000 6420001	Retiniting Programs Develop	(rela) Elec Trans Ope Excl Trans Pool (rela) Sinc Trans Ope Excl Trans Pool	10 m	\$111,146 \$458.818	Ms Ms	nie nie	(nfa)	Budget verlienen ist der Sich Account Besein on samtregist an AFP CHID does not ammegt Commitme by FEF Budget verlienen ist der Sich Account Besein ont emperiopiel de AFP CHID does not ammege Commitme by FEF Budget virenen at the Sub Account Sevel not mestringstiff de AFP CHID does not message Constitution by FEF Budget versienen at the Sub Account Sevel not emeriopiel at AFP CHID does not message Constitution by FEF Budget versienen at the Sub Account Sevel not emeriopiel as AFP CHID does not emessage Constitution by FEF Budget versienen at the Sub Account Sevel not emessage des AFP CHID does not emessage Constitution by FEF Budget versienen at the Sub Account Sevel not emessage des AFP CHID does not emessage Constitution by FEF
COLUMNIA BOLISON POWER	(A4000	643	563 Overhead Line Exp-Trams	5430000	Overheed Line Expenses	(nis) Siec Trans Ope Exci Trans Pool (Ne) Bisc Trans Ope Exci Trans Pool	1400	80,843	Wa	res	[n/e)	Busingst variance at the Sun Account level not meaningful as AEP OHIO does not manage Operations by PER
Columbus Southern Power Columbus Southern Power	(/1/2009	563 844	589 Overhead Line Exp-Trans	\$450001	Cramped Line Exp - Allifelial	(1984) Riss Trace Ope East Trace Pool	M4	\$1,022	Wa	nța	(min)	(Burget engance at the Sub Accessed level not manningfed an AEP OHIO does not manage Operations by FES
Columbus Southern Power Columbus Southern Power	₽12006 ₽12006	884 665	664 Linderground Line Rup 665 Mins Transmission Exp	6640000 5860000	timberground Line Expenses Man Transmignism Expenses	(n/a) East Trans Ope East Trans Post (n/a) Eige Trans Ope East Trans Post	jita Nia	\$510 \$1,380,945	Nia Hia	nia gés	(rdn)	Budgat unimme at the Bub Account level not unannighed as AEP OHIO does not enable Operations by FER
Columbus Southern, Power	1/1/2009	544	FEE Mint Transmission Exp	6860006	One E-TOR Rider UnderSecontry	(ntp) Risc Trans Ops Exci Trans Post	We		No	nFa	(min)	经运动分子运动设备 Charlest militare at the area broken with and interface of year disk interface characters in the
Cohmbus Bouttern Power	17522000	567	507 Rents-Translation Ext	9670001	(Rardy - Mohamochiad	(nin) Ejec Totana Opu Exal Trans Pool	Wa	\$20,210	9449	n/a	(nin) (nin)	The street agreement the property of the street of the str
Columbus Southern Power	1/1/2009	567	667 Nume-Transmission Exp	5470092	Refle - Abbecided	(r/a) Rice Trans Ope Extl Trans Pool SubTrans Rice Trans Ope Excl Trans Pool	96/2. \$4,785,980	\$16,313 84,530,096	(9452,805)	nfe -8.8%	(nlm) \$4,268,700	Busines watercos at the Bub Account thesis out manningfulf on AEP CHIIC does not manage Operations by FEP
						Standard Side held challeng commercial	44,7 00,000		(8 446,000)			张·刘···································
Columbus Bouthern Power Columbus Coulbant Double	1/1/2006	668 660	SEE March Short Engr-Trans	5590000	Maint Supv & Engineering	(n/e) Risolably Transmission Mains	We .	\$50,430	Me	nta	(min)	Budger visuame of the Sub Account four act meaningful on ASP CHIO does not manage Operations by FER Budger utchance of the Sub Account four act managed as ASP CHIO does not manage Operations by FER
Columbus Southern Power Columbus Southern Pewer	1/1/2009 1/1/2009	880 880	560 Maint Of Structures Trains 560 Maint Of Structures Trains	5500000 5001000	Mariarunto of Bruckets.	(n/e) Excellenty Transmission Maint	M's Wa	374,60a 867,680	Nde Nde	nda nda	(rda)	Surger innerce at the Rule Account tour controlled at ACP OHIO does not measure Countries by PEF
Columbus Squillern Power	1/1/2009	540	669 Maint Of Structures Trans	6682006	(Mart) of Computer Software	(nts) Electricity Transmission block	HA	8363,403	NA	n/e n/e	(nfe) (n/e)	Budget victories at the Gue Account level Att meaningfull by AEP CHIO stone my manager Operations by FEF
Columbus Southern Power Columbus Southern Power	1/1/2009 1/1/2408	559 510	640 Mains Of Structures-Trans	8593000	Maint of Communication Equip	(rela) Ejectnolty Transmission (Main)	Wa	\$284,000 \$2 102 822	ALIA Mila	co/in co/in	(Ola)	Budget varience at the flub Account level not meaningful he APP CHIO does not manage Operations by FER
Columbus Southern Power	1/1/2409	570 571	570 Maint Cd Str. Equip-Trans. 571 Maint Cd Owled Licen-Trans.	6702600 6710000	Minist of Station Equipment Manuscance of Communicalities	(rite) Ejectivity Transmission Maris (rite) Ejectivity Transmission Maris	Mile Mile	82.747.690	NAS	nie Nie	(rita) (nFa)	The state of the state of the Sub-Associate by a local control of the Sub-Associate by Feb.
Columbia Squaham Power	175/2000	672	572 Maril Udeard Lines-Trans	5720000	faint of Lindarground Lutes	(1994 Physicial Transposition Maint	Nie	5898,078	Na	nán	(r /a)	Budget visioner at the Bub Account level mit meaningful as AEP CHIAD does not encount to premium by FEE Budget visioner at the Bub Account level mit meaningful as AEP CHIAD does not encount per the Budget visioner at the Bub Account level ARI meaningful as AEP CHIAD does not encount go Departation by FEE Budget visioners and the Bub Account level not manufactured as AEP CHIAD does not encount go Departation by FEE Budget visioners and the Bub Account level not encountingful as AEP CHIAD does not not encount Departation by FEE Budget vision and the Bub Account level not enteringful as AEP CHIAD does not not encount Departation by FEE Budget vision vision as the Bub Account level not enteringful as AEP CHIAD does not not encount Departation by FEE Budget vision vision and the Bub Account level not encounter the AEP CHIAD does not encount Departation by FEE
Columbus Southern Power	1/1/2008	673	673 Maint Of Miss Trans Plant	\$730000	Mairy of Miss Treampsion Pt.	(n/a) Electricity Transmission Maire)Ma	\$54	NIS an althour	- 040	(m/a)	- (2) (1) (1) (2) (2) (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
						Bub Total Electricity Transmission Marie	\$1,862,663	\$6.5(5,720	\$3,455,087	63.5%	43,001,475	[編輯][程][[編纂][編集]
Columbus Bouthern Power	111/2000	560	500 Oper Buys Engr-Diet	5800000	Open Supervision & Engineering	(reta) Becirical Dienticulos Ops	H/m	96,25£,546	Nide	nia	(rafe)	Budget vestance at the Rub Acquark byte not manningfull as AEP CHRO dame mat manage Operations by File Budget vestance at the Rub Acquark level not mackingfull as AEP CHRO date has assage Operations by File Budget vestance as the Rub Acquark level not managed at AEP CHRO does not someop Copyritions by File Budget vestance as the Rub Acquark level not managed at AEP CHRO does not someop Copyritions by File Budget vestance as the Rub Acquark level not managed at AEP CHRO does not someop Chromition of the Rub Acquark level not not make the Rub Acquark level not not make the Rub Acquark level not
Columbus Southern Power Columbus Southern Power	1/1/2009	581	581 Load Dispelating 582 Station Expenses Old	5010000	Loss Discolating	Ontal Electricity Obstribution Con	Ma	810,174	Ne	rde	(rida)	Budget varience at the Bub Adment level not respressed by ASP 0910 does not manage Operations by Fits
Columbus Squifters Power	1/1/2000 ·	682 583	562 Station Experient-Utat 583 Outhor Emp-Disk	6820006 6830006	Station Expenses Overhead Love Expenses	(rég) Examinity Distribution Ope (rég) Exonoty Bistribution Ope	N/o N/a	\$660,765 \$1,334,671	Nie Nie	na. na	(n/a)	
Columbus Southern Pewer	1/1/2008	594	S&4 thinged Line Rep-(Het	6840000	Underground Line Expenses	(ntg) Electricity Distribution Ops	Me	82,617,685	bide	n/a	(nfa)	Budget veterior at the Sub Account level not meanwaited on AEP Ontill down not manage Operations by FEF
Columbus Southern Power Columbus Southern Power	1/1/2000 1/1/2000	565	596 Street Lig Signal System	5860000 5640000	Okasi Lighting it Signal Bys E	(cris) Sections Distribution Ope	Ma Ma	\$50,471 85 428 274	Mile	ryn	(rda) (rda) (rda) (rda) (rda)	Budget vestions as the Rub Account have not expended as AEP CHID does not starting Operations by AERCHID Association and the Rub Account have not examined to AEP CHID does not starting Operations by AERCHID Association and the Rub AERCHID Association and the Rub AERCHID ASSOCIATION AND ARRANGE ASSOCIATION ARRANGE ASSOCIATION AND ARRANGE ASSOCIATION ARRANGE ASSOCIATION AND ARRANGE ASSOCIATION ARRANGE
Columbus Sculptur Power	1/1/2009 1/1/2009	585 587	686 Meter Expanses 687 Cust Install Expanses	5670000	Mister Expenses Cuttemer Matellations Eva	(nns) Electricity Distribution Ope (n/s) Electricity Distribution Ope	ine ine	\$1,428,274 \$212,349	NA NA	n/a n/a	(nia)	Student regions at the Suit Account build not greeningful as ARP CHIO does not manage Operations by FSI
Columbus Southern Pawer	1/1/2008	688	588 Minc Cipitatotion Exp	5500000	Miscalinatus Dislottudon Esp	(r/a) Electricity Couldbutton Cost	Wa	810,211,560	100	n/a	(nin)	Surger versions of the Sub Account have not assembly the A ACP CHIO does not assembly Operations by FEI
Columbus Stuthers Pewer Columbus Stuthers Pewer	1/1/2009	688	508 Miss Distribution Exp	6660004	officeRT-Deland bling Diet Exe	(nte) Riscondity Distribution Ope (nte) Electrolity Distribution Ope	We	63,786,748	N/a	nAs	(rate)	
Columbus Southern Pener	1/1/2009 1/1/2006	689	500 Runte Distribution Exp 600 Runte-Distribution Exp	5000001 6000002	Rante - Homessociated Rante - Attenuated	(nfa) Electroity Distribution Ope (nfa) Electroity Classification Ope	We	\$1,983,400 \$139,728	N/m N/m	nds nds	(n/s) (n/s)	Budget victiones at the Eub Account level me prestripped as AEP CHIO does not asses go Operations by 755 thought victiones at the Eub Account level not prestripped as AEP OHO does not pressure by Fife
						SubTotal Electricity Distribution Cos	\$20,710,241	#26,702,451	\$7,962,210	30.0%	\$12,646,285	Polymary variance definium: higher Absel languavennen Work (\$2.20%), higher Administrative & General Espain
Columbus Southern Power	1/1/2009	550	500 Mart Supr Engr-Clint	6000000	Maini Supr & Engineering	•	NA	\$467,861	His	nie	Product.	
Columbus Student Four	1/16000	601	591 Plant Of Statebase Diel	8970000	Mantenance of Structures	(n/e) Ejectricity Statebutton Maint (n/e) Ejectricity Statebutton Maint	HA	\$247,948	Nie	n/a	(n/m)	Budget vagençe og the till Respublik heel nit mektingslut og AEF CHEO doet het manage Opergione by Fill Budget verjenne at the Sut Account byet not meaningslut as AEF OHIO does not manage Operations by FES
Columbus Southern Power Columbus Southern Power	1/1/2009	642	SHE Minini Qf She Hopey -Old	3920CC0	Mans of Station Equipment	(rea) Sactricity Distribution Mont.	*#*	12,341,624	Nis	n/a	(ote) (eke) (oke)	Budget vertexor at the Sub Account byed not meeringfall as ABP CHIO does not manage Operations by FER Budget vertexor at the Sub Account feel of not careingfall as ABP CHIO does not make operations by FER Budget vertexor at the Sub Account feel not makengible as ABP CHIO does not encess properties by FER Budget vertexor at the Sub Account feel not makengible as ABP CHIO does not excess possible by FER Budget vertexor at the Sub Account feel not makengible as ABP CHIO does not excess possible by FER Budget vertexor at the Sub Account feel not makengible as ABP CHIO does not excess the sub-
Columbus Southern Power	1/1/2000 1/1/2000	503 503	693 Ment Of Outld Lines-Diet Settings Offset	5636000 6636000	Maintenance of Overheed Lines ESRP-Cyting Maint Own Lines	(rde) Electricity Distribution Maint (rde) Ejectrally Distribution Maint)Ale IVa	\$37,222,641 (\$2,061,213)	Não Não	nAs nAs	(nia) (nia)	Budget victories at the Sub Account third rot meaningful as AEP ONEO does not menage Operations by PEP Sudget victories at the Sub Account third rot meaningful as AEP ONEO does not manage Operations by PEP
Columbus Southern Power	1/1/2000	594	504 Marri Of Udrard Lines-Old	58490XD	Maint of Underground Lines	(n/a) Rischisky Distribution Maint (n/a) Ejectrisky Distribution Maint	M/a	\$3,224,876	Nás	n/s	(nan	Student variance at the Eule Account level mat managed the ACC CHIO does not employ Consultate for FERF
Columbus Southern Power Columbus Southern Power	1/1/2008	595	SAG Mains Col Licus Transferment	5800000 8600000	Mans of Line Timi, Reparting EDV	(n/a) Electricity Eletratusion Manni	Wa	\$432,107 \$156,830	N/a	nje	(rata)	Budget varance at the Bub Account level net meaningful as AGP OHIO does not manage Operations by FIS
Columbus Southern Power Columbus Southern Power	17172088	506 507	500 binint Cf Sirent Life 507 Maintenance Of Mohers	5650000 5670000	Alains of Sat Lighting & Signal B Maintenance of Masars	(n/a) Electricity Distribution Metric (n/a) Electricity Distribution Metric	Wa Wa	\$185,640 \$173,804	Nie Nie	n/e nie	(n/a) (n/a)	Budget visieres at the Bus Account level not meaningful as AEP CHIO does not coming Operations by File Budget visieres at the Sub Acquirit level not meaningful as AEP CHIO does not manage Operations by File
Columbus Bushing Forest	1000000	***	604 Maint Cd Miss Dist Plant	[464000)	Name of Nice Distribution Pfs	Jale) - Biocidaliu Diatelauttau Malat	Ma	\$1,342,114	Alla	n/a	(nm)	(日本の ACP CHIC Aces Antended September at the Ace Aces and Justin not preprint as ACP CHIC does not manage Operations by FtS
						SubTrant Circulater Distribution Maint	#17,61E	\$45,517,646	97,704_mm	21.7%	841,494,983	Primary varience drivers: higher major storm expense (68.688)
						Yotal Golumbus Southern Power	405,175,490	\$82,039,146	\$17,782,010	97.2%	\$42,274,463	
•							400					
							CAM					
•	Reporting Period	PANG		FINC BUB-		FUNCTIO	Pant Year's	Past year's			Current Year's	
Company Ohio Power Company	\$4ari Date 1/1/2000	ACCOUNT MAG	Annount Tree 560 Counton Sur Engr-Trans	ACCIDINT MONITOR	FERC SUB-ACCOUNT TITLE Open Supervision is Engineering	N CODE PUNCTION CODE TITUE (nis) Bigs Trans Cod Exci Trans Page	audget Alle	#4544 15,032,003	i Amfilia Amfilia	A CONTRACTOR	Reudget (n/a)	THE STATE OF THE S
Otico Power Company	1/1/2000	584	561 Load Dispatching	5510000	Long Dispetsions	(n/a) Eine Trans Opt Exci Trans Paol (n/a) Eise Trans Opt Exci Trans Paol	Ha Na	811,622	NA	CAR	(n/ai	Budget waterzer at the Bub Account level not meetingful as AEP CHIO does not meege Operations by FEF Budget valueses at the Bub Account level not meetingful as AEP CHIO does not meeting Operations by FEF
Otuo Power Company	VV2008	591	681 Load Clapskring	6611000	Load Dispatch - Refetality	(min) - Bloc Trans Ope Expl Trans Pool	NA	\$46,621	Nile	250	(luta) (luta) (luta) (luta)	Shudget visuance at the Sub Account trust not unwanted by a ASP CHIO date not manage Operations by PSF
Ohio Power Company Ohio Power Company	1/1/2008	501 551	561 Load Clapatriwing 561 Load Clapatriwing	5613000 8513000	Land Dispositi-Mark&Op TransBys Land Dispositi-Trans Sarc&Schoo	(m/m) Elec Trans Ope End Trans Post (m/m) Elec Trans Ope End Trans Post	Hra Hra	\$4,442,612 \$7,645	Ride Mile	n/e n/e	(cda)	Budget versions as the Sub Account level first in Budget du S. C'Imm dozen in manage of pressions by PEP Get O daze may saving of pressions by PEP Get O daze may saving of pressions by PEP Get O daze may saving of pressions by PEP Get O daze may saving of pressions by PEP Get O daze may saving of pressions by PEP Get O daze may saving of pressions by PEP Get O daze may saving of pressions by PEP Get O daze may saving on the September of PEP Get O daze may saving on the September of PEP Get O daze may saving on the September of PEP Get O daze may saving on the September of PEP Get O daze may saving on the September of PEP Get O daze may saving on the September of PEP Get O daze may saving on the September of PEP Get O daze may saving on the September of PEP Get O daze may saving on the September of PEP Get O daze may saving on the September of PEP Get O daze may saving on the September of PEP Get O daze may saving on the September of Septemb
Ohio Power Company	1/1/2000	581	581 Load Olevania and	6818000	Reliability Pings Birds Develop	(rule) Ejec Terms Ope Exal Tracts Fool	M/a	4255,561	riia	nle	(ma)	Budget variance at the Eule Account level not meaningful as AEP GHIO does not manage Descritions by FEE
Ohio Power Company	W1/2006	682	582 Gletten Expenses-Trans	\$820001	Station Expenses - Nonsesoc	(rive) Elec Teams Ope Excl Trans Pool	Nie	\$1,010,004	NA	nia	(74)	Bladged statement at the Sub Acquirit level and meetingful at AEP 0190 does not manage Operations by FRI
Ohio Power Company Ohio Power Company	1/1/2000 1/1/2000	562 563	NEZ Station Expellent Trans	6920002 6930000	Station Expenses - Associated Confessor Linux Expenses	(nie) Eine Trans Ope End Frans Post (nie) Eine Trans Ope End Trans Post	Ne Wa	814,465 8337,408	MAR N/m	nis cuis	(nta) (nta)	
Ohio Power Company	1/1/2008	563	663 Overhead Line Exp-Trans	6630001	Overheed Line Exp Affiliated	(rote) Bigg Trape Ope Exci Trans Pool	₩a	838.784	Nie	m/m	(min) (min)	Euglist visions at the Bub Account level not insamingful as AEP OHIO does not contage Operations by FSI Budget visions at the Bub Account level not insamingful as AEP OHIO does not memory Operations by FSI Budget visions or the Sub Account level not manningful as AEP OHIO does not memory Operations by FSI Budget visions or the Sub Account level not manningful as AEP OHIO does not manage Operations by FSI Budget visions or the Sub Account level not manningful as AEP OHIO does not manage Operations by FSI Budget visions or the Sub Account level not manningful as AEP OHIO does not manage Operations by FSI Budget visions or the Sub Account level not manningful as AEP OHIO does not manningful as AE
Onio Power Company	1/1/3900	684	684 Lindarground Line Exp	6849600	Underground Line Expendes	(n/g) Einc Trans Ope Excl Trans Pool	We	80 83 048 606	Mie Na	nia nia	(rda)	Budget versions at the Sub Account level not meaningful as AEP CHIO done not manage Operations by FRI
Ohio Power Company Ohio Power Company	1/1/2000	566 566	SSS Miss Transmission Exp 665 Miss Transmission Exp	5660006 \$660006	Miles Transmission Expenses Ohio E-TCR Rider UnderResovery	(n/a) Elec Votas Opt East Trans Pool (n/a) Elec Trans Opt Got Trans Pool	HPa M/a	13,058,906 12,351,780	Maria Maria	nás nás	(refe)	Example Values of the Sun recovers several presentation at APP CHILD date for manager Operations by FS
Ohio Power Company	1/1/2000	586	505 Miss Transmission Egg	5670008	R. King Trans Crise Exp - Am	(Na) Rise Trans Ops Exc Trans Post	Alto		Nile	n/a	(mfa)	The state of the s
Ohio Power Company Ohio Power Company	1/1/2/000	667	567 Rente-Transmiseion Exp	5670001	Rants - Manuscotaled	(e/e) Eine Trans Ope Exci Trans Paci	Na	B10,521	Nie	n/a	(n/a)	Budget varience at the Sub Acenuri level not meeningful se AEP OHIO does not make as Operations by FE
THIS LOWER COLLEGERY	W#/2009	687	667 Rents-Transmission €49	5670002	Rents - Associated	(ele) Elec Trons Ope Excl Trans Pool Bab Total Elec Trotes Ope Excl Trans Pool	100 120,000,610	\$14,701,998	(\$6,107,705)	-29.4¥	(744) 912,458,803	Budget variance of the Sub-Account have not present girll as ASP CHIC does not manage Operations by PE Primary variance detrops: 6 over Overand Expense (P3 OM) and four Admirateship & general Expense (I
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Orde Power Company Orde Power Company	1/1/2008 1/1/2009	689 589	500 Maret Supr Engr-Trans 500 Maret Of Streetures Trans	D000088	Maint Supy & Engineers; Maintenance of Stantums.	(nist) Block into Tenteralistics Miles intel Charinity Tennesistation Miles	No Na	8212,460 \$910,142	14Ja 14Ja	nis nis	(rdn) (rdn)	Budget vestoner at the Bub Account level not manningful as AEP OHIO does not weepe Operations by Fit Budget versoner at the Suit Account level not excerningful as AEP OHIO does not manage Operations by Fit
Onic Power Company	1/1/2009	540	898 Plant Of Bandhise Films see 1984 of Sandhise (1919	\$85,1000 \$44,500	Manij of Computer Hardware	(n/e) Electricity Transmission Many	alta .	\$271,618	N/AL	rain .	(inge) (inge) (inge)	\$3.0850.000.00000000000000000000000000000
Orio Power Company	### 2006	589	688 Maini Of Structures-Ware	56W2000	Maint of Computer Schware	(n/e) Kiedhally Trensmission Maint	MA	81,136,947	Nie	n/a	(rafa)	Budget variance at the bub Account have not meaningful as AEP ORIO does not manage Operations by FE Budget variance at the Bub Account level not generately as AEP ORIO does not make a Operations by FE
Onio Power Company Onio Power Company	1/1/2009	560 570	500 blaint Of Structures-Tracus 570 blaint Of Str Squip-Trace	5693900 6700000	Maint of Communication Equip Mont of Station Equipment	(nda) Executely Transplants: More (nda) Executely Transmission Maint	Ma Ma	8535,675 84,380,926	i i i i i i i i i i i i i i i i i i i	6/6 6/6 -	(nfe) (mm)	Budget visions at the 6.6 Account treat my gearingful as AEP ONIO does not manage Operations by FR Budget verticos at the 6.6 Account treat not manningful as AEP ONIO does not manage Operations by FR
Ohio Poses' Company	U1/2009	571	571 Mount Of Owned Lines-Trans	5710000	Maintenance of Checkers! Lines	irste) Electricity Transmission Maint	Wa	67,914,045	1440	nia	(cyt)	Budget vergroe on the Sub Account level not meaningful as AEP 0860 about not gronage Operations of FF
Оно Роме Соправу	1/1/2009	872	672 Maint Margie Lines-Trans	\$730 66 0	Marri of Underground Lines Marry of Misc Treatment PR	(sule) Electricity Transmission Maint	Ma Ma	(\$41)	Mir Mia	طور 10 مارم	(nh) (n/a)	Budget varience at the Sub Account level not maintingfull as AEP CRIO does not emanage Operations by FE
				ES.MICHAL	PARTY OF BEING THREE PROPERTY OF THE PERSON	(nia) Kinciricity Transmattica hising	N/A	(34)		nA	CAM	Budget venance at the Sub Account level not meaningfull as AEP OHIO does not making Operations by FE

						SubTobe	Sudvicily Transmission Waird	\$14,399,780	\$14,614,163	8214,392	1.5%	\$14,328,229	
o Power Company	B/1/2008	889	550 Oper Supr Bagr-Dist	500,000	Oper Bupervision & Engineering	(min)	Electricity Distribution Ope	ters.	\$5,824,690	N/a	cés	(mfa)	1
o Power Company	1/1/2009	561	981 Load Dispatching	0010000	Lores Disputiti iras	(tréa)	Electricity Distribution Ope	We	37 903	Na	17/8	(refer)	
o Power Company	1/1/2008	582	582 Bretton Expenses-Dist	5820000	Bladen Expenses	(n/e)	Electricity Distribution One	₩a	\$1,265,540	66/8	r/e	(refai)	- 1
e Power Company	1/1/2000	963	563 Ovrhol Line Eur Diet	6630000	Overhead Une Expenses	(refa)	Clockfolly Distribution Ops	Wa	\$1,109,432	1676	rvie	(min)	;
s Power Company	1/1/2000	E84	964 Ushgraf Line Exp. Old	5840000	Underground Line Expenses	(min)	Etectricity Distribution Ops	Min	\$629,401	NAME	n/a	(nhi	i
o Power Company	1/1/2009	Sept.	703 Street Lip Signal System	8650000	Street Lighting & Signal Syst E	(min)	Electricity Distribution Con	Wa	1127,566	1044	n/a	(nfe)	3
a Power Company	1/1/2000	366	500 Motor Exemples	2860000	Motor Expenses	(mfa)	Electricity Distribution One	We	81,048,575	NA	r/e	(efe)	
c Power Company	1/1/2009	587	867 Cust Install Expense	6870000	Customer Patallyllone Exp	(mfa)	Electricity Distribution Ope	Wa	\$141,082	* N/e	6/6	(nfe)	- 8
a Power Currently	1/1/2009	566	GRE HERE CHAMBUSEN END	1490000	Attacellangous Diskributions Engl	(mfa)	Significacy Distribution Ope	14.2	\$11,583,046	1976	ryte	(rate)	-
o Power Company	1/1/2009	569	500 Points-CittleDugen Egy	5590001	Rents - Nonempolished	(mh)	Electricity Distribution Que	l l l l l l l l l l l l l l l l l l l	\$2.781.747	. We	nfe	(mh)	- 3
о Ромег Оолговии	1/1/2009	569	ADD Rents-Distribution Exp	5880002	Racia - Resociated	tofut	Einstrictly Distribution Opp	We	9108,540	₩e	r/e	(refer)	
						SubTatel	Electricity Distribution Ope	025,240,46 1	\$25,490,219	\$239,760	0.9%	\$22,012,084	
o Power Company	1/1/2009	500	580 Meirt Supr Engr-Dist	. 6900000	Maint Bupy & Engineering	(min)	Electricity Distribution Maint	Ma	8698,315	Ma	n/b	(nia)	
o Power Company	1/1/2009	591	381 Matri Of Structures-Olet	391/7000	Maintenance of Structures	(nfa)	Electricity Distribution Maint	We	1161,720	Wu	7/8	(nfu)	
o Power Company	1/1/2009	582	592 Merini Of Sin Equip -Olat	1020006	Matrit of Bratton Equipment	(refa)	Electricity Distribution Maint	₩e	銀 接机 何1	N/H	n/a	(ele)	
g Power Company	1/1/2009	862	563 Ment Of Owled Lines-Dist	E032000	Maintenance of Crariman Lines	(rvia)	Electricity Distribution Maint	19a	\$45,953,599	99/m	17/8	(Ma)	-
E Power Company	1/1/2009	503	693 Right Of Owhit Units Old	100(000)	Tree and Brush Coreo	(esta)	Electricity Distriction Makes	N/m	(96,162)	roffin	rs/m	(mha)	-
o Power Company	1/1/2009	593	Comings Offeet	5990000	ESPER-OyLind Maint Ovi: Lines	(nia)	Electricity Distriction (Hein)	fife	\$1,120,844	N/a	rde	(m/m)	
o Fower Consumy	1/1/2009	584	584 Maint Of Udrand Lines-Dist	5940000	Maint of Underground Lines	(rife)	Electricity Distribution (Maint	Me	\$1,247,527	Ne	rve	(refe)	-
o Pores Consum	1/1/2000	599	SSS Malint Of Line Transformers	5950000	Maint of Los Timi, ReferenceDri	(nfa)	Emphicity Distribution Maint	We	\$788,111	N/e	r/n	(crital)	- 1
o Perwar Company	1/1/2009	506	506 Main! Of Street Lis	6000000	Maint of Sht Lathry & Street &	(m/m)	Electricity Distribution Maint	Pirm	#931,778	94/H	refe	(A/a)	
o Power Company	1/1/2002	667	907 Milinterarios Of Maters	5970000	Matrionance of Maters	(min)	Electricity Distribution Marry	N/m	8404.62B	N/m	n/a	(m/m)	ì
o Power Company	1/1/2009	598	596 Maint Of Misc Oler Flort	5000000	Waln't of Albert Citab Button Pix	(mhs)	Electricity Distribution (Maint	Wa.	\$2,172,470	70fu	n/a	(n/a)	
						Sub Total	Electricity Distribution Maint	845,106,616	\$55,035,606	810,929,960	24.2%	906,279,621	ž
•						Total	CHES Prover Company	\$705,004,409	\$110,000,014	88,378,444	6.0%	\$107,074,000	

*	\$14,325,2 <u>7</u> 9	
4	(refer)	
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h	(r/n)	10.0
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4	(n/a) 936,379,621	
*	900,2/9.621	

100 Explanation Required (% President not met)

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P OWD RULE 28 T& D PERC FUNCTIONAL ACCOUNT SUBMARY Page 15											
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Inclusible Southware Foreign 1/1/2009 557 557 Rants- Transmissional Exp 5670001 Rents - Horisassoutsheld (n/m) Section Transmissional Exp 5670001 Rents - Horisassoutsheld (n/m) Section Transmissional Exp 5670001 Rents - Associated (n/m) Section T											
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Power Company I.1.12000 566 566 State Treatministen Exp 5000000 R, Iding Trans Cream Exp. ART (via) Sudget vertices at the Sub Account level not respringful as ASP OHIO does not may recompany I.1.12000 567 Rents—Transcript Septiment of the Sub Account level not resemble the Sub Account level not	mage Operations by FERC Account mage Operations by FERC Account										
BubTolpi Bec Trans Ope Drol Trans Pool \$20,000,610 \$14,701,005 \$60,107.705) -29.4% \$12,450,500	enage Operations by FERC Account ive & general Expense (\$2.4M)										
Power Company (1/12000 668 866 Maint Supe Bright variance at the Sub Account level not meaningful as AEP CHRO does not make the Sub ACCOUNT level not meaningful as AEP CHRO does not make the Sub ACCOUNT level not meanin	muco Courtiers by EFEC Security										
Power Company 1/1/2009 569 309 Maint Of Birucksens-Trans 5690900 Maintenance of Stucksens 6/40 Eschielly Termentisation Maint Nie \$110.185 Mile nie (vie) Subject variance at the 5ub Account level not meaningfull as AEP 0/40 does not residently Termentisation Maint Nie \$110.185 Mile nie (vie) Subject variance at the 5ub Account level not meaningfull as AEP 0/40 does not residently Termentisation Maint Nie \$110.2009 689 SRF Maint Of Stucksens-Trans 560000 Maint of Computer Variance at the 5ub Account level not meaningfull as AEP 0/40 does not residently Termentisation Maint Nie \$110.2009 689 SRF Maint Of Stucksens-Trans 560000 Maint of Computer Variance at the 5ub Account level not meaningfull as AEP 0/40 does not residently Termentisation Maint Nie \$110.2009 689 SRF Maint Of Stucksens-Trans 560000 Maint of Computer Variance at the 5ub Account level not meaningfull as AEP 0/40 does not residently Termentisation Maint Nie \$110.2009 689 SRF Maint Of Stucksens-Trans 560000 Maint of Computer Variance at the 5ub Account level not meaningfull as AEP 0/40 does not residently Termentisation Maint Nie \$150.2000 Maint of Computer Variance at the 5ub Account level not meaningfull as AEP 0/40 does not residently Termentisation Maint Nie \$150.2000 Maint of Computer Variance at the 5ub Account level not meaningfull as AEP 0/40 does not residently Termentisation Maint Nie \$150.2000 Maint of Stucksens-Trans	onage Operations by FERC Account										
Power Company (1/2009 689 569 Main CV Symptoms 100 100 100 100 100 100 100 100 100 10	enege Operations by FERC Account										
Provide Companies 17/197000 S71 S71 Marrie Cell Destrict Linear Trans. 57 60000 Market provide and Approved Investigation Market Transmission Mark	mana Canacallana Inc EEDC 1										
Prover Company 1/1/2009 572 572 Mark Ut User Trans Piler (14) Bedfordly Transmission Mark Ut Indexpround Lines (14) Bedfordly Transmission Mark Ut User Transmission Mark Ut U	emage Operations by FERC Account										

						SubTabe	Electricity Teamstransion Maint	\$14,399,790	\$14,614,163	\$214,992	1.5%	\$14,325, <u>22</u> 6			No Exploration Required (% threshold not met)
Otric Power Company	1/1/2009	560	580 Oper Supr Engr-Dist	5800008	Oper Supervision & Engineering	(nbs)	Electricity Distribution Ope	Ma	\$5,824,690	Nite	n/a	(min)			Budget variance at the Sub Account level not meaningfull as AEP (HK) does not manage Operations by FERC Account
Onio Power Company	1/1/2009	581	581 Load Dispetoring	5810000	Load Dispatching	(min)	Electricity Distribution Onto	Ma	\$7,903	Nie	n/a	(min)	100		Budget variance at the Sub Account level not meaningful as AEP OHIO does not manage Operations by FERC Account
Onto Power Company	1/1/2009	607	582 Station Reportant-Cital	5820008	Station Excesses	(100)	Electricity Distribution Ope	We	31,265,540	Nile	n/a	4-1-1	11 (4.54)		
Otalo Power Curatury	1/1/2009	682	563 Overd Line Exp-Diss	5830000	Overhead Line Expenses	(na)	Electricity Destribution Des	We		PARIS	n/a	(mm)	100		Bardgel verlance at the Sub Account level not meaningful as AEF OHIO does not message Operations by FERC Account
Otso Power Company	1/1/2008		564 Udgard Line Exp-Dist	5840000		(1948)			\$1,169,432	(ATA)		(n/a)			Budget variance at the Sub Account level not mouningful as AEP OHIO does not masage Operations by FERC Account
Ohio Power Company	1/1/2008	2006			Underground Line Expenses	(AVA)	Electricity Distribution Opt	Ma	5829,401	NA	7/8	(m/n)			Budget variance at the Sub Account level not meaningful as AEP OHIO does not message Operations by FERC Account
	1/1/2008	900	505 Street Lig Signal System	5850000	Street Lighting & Signal Sys E	(n/a)	Electricity Distribution Cos	Min	\$127,558	N/a	n/a	(etr)	100 P		Budget varience at the Sub Account level not meaningfull at AEF OHIQ does not manage Operations by FERC Account
Onto Power Company		566	586 Maler Expenses	5860000	Mater Expenses	(n/a)	Electricity Distribution Opti	Nia	\$1,645,373	Nie	nta	(n/a)	30.36	and man	Budget variance at the Sub Account level not meaningfull as AEP OHIO does not mesage Operations by FERC Account
Onto Power Company	1/1/2000	547	597 Cust trutal Expense	5070000	Cuntomer Installations Exp	(n/a)	Efectricity Distribution Ope	itia	8141,082	N/s	n/a	(n/a)	140.00		Budget variance at the Sub Account level not meaningful as AEP OHIO does not mesage Operations by FERC Account
Ohio Power Company	1/1/2009	568	586 Misc Distribution Exp	5880000	Miscellandous Distribution Exp	(nie)	Electricity Distribution Ope	Me	\$11,562,648	NAME OF THE PERSON NAME OF THE P	n/a	(n/a)			Budget variance at the Sub Account level not meaningfull as AEP OHIO does not mesage Operations by FERC Account
Ohio Power Company	1/1/2008	589	588 Rents-Distribution Exp	5890001	Runts - Nonseenciated	(n/a)	Electricity Distribution Ops	N/a	\$2,781,747	Nile	n/a	(B /a)	1971	114	Budget variance at the Sub Account level not meaningful as AEP OHIO does not manage Operations by FERC Account
Otsio Power Company	1/1/2009	689	688 Rents-Distribution Exp	5890002	Rents - Associated	(n/a)	Electricity Distribution Days	Nu	\$106,840	N/a	n/a	(m/a)	1111111		Budget vertence at the Sub Account level not meaningful as AEP OHIO does not meaning Operations by FERC Account
•						SubTotal	Electricity Distribution Ope	\$25,248,451	\$25,486,219	\$239,769	0.9%	\$22,912,634			No Explanation Required (% Investrate) not (1961)
													11 7 4	anas a	
Ohio Power Gorgany	1/1/2009	58 0	590 Maint Supr Engr-Dist	5900000	Maint Supv & Engineering	(n/s)	Eteotricky Distribution Mark	Na	\$695,315	N/a	rya	(eta)			Budget varience at the Sub Account level not meaningful as AEP OHIO does not manage Operations by FERC Account
Oteo Power Company	1/1/2009	581	581 Main! Of Structures Dist	5910000	Maintenance of Structures	(0/8)	Electricity Distribution Marki	N/a	\$161,720	N/a	0/6	ietei			Budget variance at the Sub Account level not recentraful as ASF ONIO does not manage Operations by FERC Account
Ohio Power Congary	1/1/2009	602	682 Marsi Di Sin Repip -Clat	5920C0Q	Maint of Station Equipment	intel	Electricity Distribution Main!	Na	83,160,461	N/a	n/a	(min)	400		Budget variance at the Sub Account legal not magningful as AEP ONIO does not manage Operations by FERC Account
Otio Power Congramy	1/1/2009	503	593 Main: Of Owhel Lines-Dist	5930000	Mainlenance of Overhead Lines	(niel	Electricity Distribution Maint	Me	845,963,599	NA	n/a	(edu)	46 (44)		Bushet variance at the Sub Account level not meaningful as AEP OHIO does not manage Operations by FERC Account
Ohio Power Consumy	1/1/2009	563	593 Maint Of Owfold Linear-Dust	5930001	Tree and Brush Control	(nis)	Electricity Distribution Maint	No	(\$6,162)	Nia	n/a	(ele)		11 131	Budget variance at the Sub Account level not meaningful as AEP OHIO does not manage Operations by FERC Account
Ohio Power Company	1/1/2009	583	Earnings Offset	5830000	ESRP-Ovtind Maint Own Lines	intel	Electricky Distribution Maint	Wa	\$1,120,844	Ma	ruta	teta			Budget variance at the Sub Account level not meaningful as AEP OHIO does not manage Operations by FERC Account
Ohio Power Company	1/1/2009	684	594 Maint Of Udrord Lines-Dist	5940000	Maint of Underground Lines	(ruin)	Electricity Distribution Maint	Na	81,247,627	Nie	n/a	(man)	50.0.00		Budget variance at the Sub Account level not meaningful as AEP OHED does not manage Operations by FERC Account
Otto Power Company	1/1/2009	606	595 Maint Of Line Transformers	5950000	Maint of Lan Traf Rolatore Dvi	inial	Electricity Distribution Maint	Ne	\$783,111	We	7/4	folial	38.5		Budget variance at the Sub Account level not make might as AEP ONIO does not manage operations by FERC Account
Oino Power Company	1/1/2009	804	586 Maint Di Street Lac	6860000	Mining of Sut Lighting & Sonal S	(Ore)	Electricity Distribution Maint	Me	\$331,776	PERM	nea-	(resp)	40000		
Ohio Power Congany	1/1/2009	E07	567 Maistanance Cf Materia	5970000	Maintenance of Maters	(Leaf		H/a		NG	r/a	(rea)	P ST		Budget variance at the Sub Account level not meeningful as AEP OHIO does not manage Operations by FERC Account
Ohio Power Company	1/1/2009	NO.	SOS Mains Of Mise Dist Plant	5980000	Maint of Misc Distriction Pt	(Ata)	Electricity Distribution Maint		\$404,825	NA		(rea)	500000	***	Budget varience at the Sub Account level not meeningful as AEP OHIO does not manage Operations by FERC Account
O SO FORM CORPERY	17172000	000	390 WERK OI WAS DIST LINES	0000000	Maint of Misc Distribution Pit	(rva)	Electricity Distribution Maint	Wa	82,172,470	NA	năs	(m/m)			Budget variance at the Sun Account level not manningful as AEP OHIO does not manage Operaces by FERC Account
						Sub Yolai	Electricity Bistribution Ment	\$45,106,618	\$56,036,608	510,929,990	24.2%	\$58,279,621	311111	的 特别的 1000	Priemany unationes drivers: hagner major states aupenise (\$8.7M), higher Ceptel Staret Alone Project work (\$3.9M)
-						Tatal	Ohio Power Company	\$105,564,488	8110.880.814	58,278,446	8.00	\$107,074,806			
						102	rum com resident.	A mariantina	At secondary	Carlon shapes	6.02	Statistics.			

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Registration Constitute Fig. 1982 - Fig. 1983 - ACCOUNT FIRE SIZE ACCOUNT FIRE SIZE