FirstEnergy

ORIGINAL

76 South Main Street
Akron, Ohio 44308

May 2, 2005

L-00030161

James J. McNulty, Secretary
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17120

Re: Joint 1st Quarter 2005 Reliability Report – Pennsylvania Power Company, Metropolitan Edison Company and Pennsylvania Electric Company
Pursuant to 52 PA Code 57.195(e)

DOCUMENT FOLDER

Dear Secretary McNulty,

Enclosed for filing on behalf of the Pennsylvania Power Company, Metropolitan Edison Company and the Pennsylvania Electric Company (collectively, "Companies") are an original and six (6) copies of its Joint 1st Quarter 2005 Reliability Report.

This report is being provided on a confidential basis to the Commission, pursuant to its request in furtherance of its regulatory oversight responsibilities. This report contains proprietary, privileged and confidential information not for public disclosure. This report should not be placed in any Commission file that is open to the public or any non-Commission personnel. On December 22, 2004, the Companies filed an Application for Protective Order at Docket No. L-00030161. This Application is still pending. Should the Application be granted, the Companies will then file public and proprietary versions for their reports.

A copy of this Joint Report is being submitted electronically to the Office of Consumer Advocate, the Office of Small Business Advocate and the Allegheny Electric Cooperative.

Sincerely,

Eric J. Dickson
Director, Operations Services

Attachment

Pennsylvania Power Company, Pennsylvania Electric Company
and Metropolitan Edison Company
1st Quarter Report 2005
Reliability Regulations at 52 Pa. Code Chapter 57.195(e)

The following Joint Report is filed on behalf of Pennsylvania Power Company ("Penn Power"), Pennsylvania Electric Company ("Penelec") and Metropolitan Edison Company ("Met-Ed"), collectively referred to as the "Companies" for the first quarter of 2005.

For the purposes of this Joint Report, all reliability reporting is based upon the Pennsylvania Public Commission's definitions for "momentary outages" and "major events" (outage data excluded as a result of significant events).

52 Pa. Code Chapter 57.195(e)

(1) First Quarter Major Event Information

	Customers Affected	Major Event	Customer Minutes	Description
Penn Power[1]	17,737	Duration: 8 hrs 35 min Time: Mar. 11 @ 8:15 A.M. to Mar. 11 @ 4:50 PM.	2,830,545	Snow and ice
Met-Ed	73,100	Duration: 117hrs 45 min Time: Jan. 6 @ 3:15 A.M. to Jan. 11 @ 1:00 A.M.	45,463,690	Ice storm with an accumulation of over ¾ inch of ice.
Penelec	88,901	Duration:160 hrs 35 min Time: Jan. 5 @ 10:00 P.M. to Jan. 12 @ 2:35 P.M.	82,084,444	Ice storm with an accumulation of over ¾ inch of ice.

[1] A major event exclusion application was filed with the Commission for this event. The outage data for this event is included in the calculations of the reliability indices in this report, since the Commission's decision is pending.

(2) Rolling 12-Month System Reliability Performance Indices

The major event criteria are determined by having 10% of Met-Ed, Penn Power or Penelec's customers out of service for 5 minutes or longer. ***The 12-month rolling Reliability Performance Indices through March 2005 are as follows:***

	Penn Power			Penelec[2]			Met-Ed		
	Bench-mark	12-Month Stand.	12-Month Actual	Bench-mark	12-Month Stand.	12-Month Actual	Bench-mark	12-Month Stand.	12-Month Actual
SAIFI	1.02	1.22	1.25	1.15	1.38	1.76	1.06	1.27	1.56
CAIDI	92	110	138.9	115	138	153.1	127	152	137.2
SAIDI	94	135	173.3	132	190	269.8	135	194	214.6
Customers Served [3]	157,626			587,472			527,987		
Number of Sustained Interruptions	2,900			12,364			8,644		
Customers affected	189,930			1,027,813			790,224		
Customer Minutes	26,395,232			157,416,354			108,296,527		

(3) Rolling 12-Month Reliability Indices for the Worst 5% of the System Circuits:

Each of the Companies' 5% worst performing circuits is listed with the reliability indices, customers served, number of customer interruptions, customer minutes, number of lockouts and CRI in Attachment A to this Joint Report.

(4) Remedial Action Taken and Planned for the Worst 5% of the System Circuits:

Each of the Companies' 5% worst performing circuits is listed with specific remedial action planned/taken in Attachment A to this Joint Report. Also, as a general note, over 1200 cutouts have been added in Penelec, Met-Ed and Penn Power since January 1, 2005 to improve reliability performance by minimizing the number of customers affected by a fault condition. Also, in Penn Power, over $4,000,000 is planned to be spent in 2005 to rehabilitate several 69kV transmission lines which negatively impacted the Penn Power reliability performance in 2004.

---

[2] **Penelec's reliability performance indices continue to be negatively impacted by 4 significant, but not excludable, storms in May and June, 2004 and outages resulting from tropical storms Francis and Ivan in September.**

[3] Source: The FirstEnergy Customer Care System (CCS) as of March 31, 2005.

(5) Outages by Cause :

	Penelec				Met-Ed				Penn Power			
Cause	Customer Minutes	Number of Outages	Customers Affected	% by Cause – Based on Number of Outages	Customer Minutes	Number of Outages	Customers Affected	% by Cause – Based on Number of Outages	Customer Minutes	Number of Outages	Customers Affected	% by Cause – Based on Number of Outages
ANIMAL	1,925,869	906	25,446	7.3	3,736,255	1,145	45,092	13.2	808,756	284	9,308	9.8
BIRD	435,445	173	9,196	1.4	38,773	35	435	0.4	511,108	136	4,023	4.7
CONTAMINATION	4,882,327	706	30,047	5.7	92,062	27	442	0.3	38	1	1	0.0
CUSTOMER EQUIPMENT	634,878	44	4,991	0.4	16,778	17	88	0.2	15,262	11	68	0.4
EQUIPMENT FAILURE	30,816,601	3,274	263,746	26.5	22,496,812	2,103	191,325	24.3	5,454,232	386	45,565	13.3
FIRE	2,653,421	68	14,271	0.5	128,799	13	674	0.2	54,820	8	568	0.3
FORCED OUTAGE	402,694	40	7,278	0.3	1,430,993	55	20,618	0.6	286,361	42	3,152	1.4
HUMAN ERROR - COMPANY	31,532	10	1,400	0.1	200,290	19	5,034	0.2	2,164	8	35	0.3
HUMAN ERROR -NON-COMPANY	971,994	116	13,592	0.9	450,130	82	8,893	0.9	233,683	31	2,909	1.1
ICE	7,072,200	187	12,224	1.5	128,079	20	960	0.2	136,436	18	366	0.6
LIGHTNING	14,770,477	1,672	94,925	13.5	17,664,337	1,425	124,073	16.5	2,753,476	503	24,025	17.3
LINE FAILURE	17,064,761	718	144,652	5.8	8,376,443	478	54,019	5.5	3,104,420	228	21,656	7.9
OBJECT CONTACT WITH LINE	579,436	71	7,649	0.6	381,475	13	3,918	0.2	167,130	26	1,436	0.9
OTHER ELECTRIC UTILITY	20,572	1	139	0.0	319,113	4	2,402	0.0	0	0	0	0.0
OTHER UTILITY-NON ELEC	19,402	5	387	0.0	159,784	6	3,809	0.1	15,642	1	99	0.0
OVERLOAD	2,212,295	291	28,188	2.4	2,350,412	204	18,416	2.4	483,979	138	4,830	4.8
PREVIOUS LIGHTNING	1,016,513	210	6,284	1.7	1,891,301	201	10,222	2.3	231,659	78	1,615	2.7
SWITCHING ERROR	210,682	15	8,399	0.1	0	0	0	0.0	0	0	0	0.0
TREES/NOT PREVENTABLE	25,477,727	1,206	114,497	9.8	25,191,403	1,076	132,421	12.4	6,297,687	431	40,462	14.9
TREES/PREVENTABLE	9,478,253	343	36,822	2.8	4,064,209	350	25,859	4.0	209,448	45	1,195	1.6
UG DIG-UP	350,681	50	3,692	0.4	129,597	49	496	0.6	38,750	21	265	0.7
UNKNOWN	9,591,466	1,170	76,126	9.5	3,905,787	637	44,957	7.4	596,805	204	6,613	7.0
VANDALISM	271,921	16	2,235	0.1	552	7	7	0.1	15,168	5	30	0.2
VEHICLE	9,253,263	454	56,266	3.7	9,590,743	416	74,636	4.8	1,637,721	122	12,106	4.2
WIND	17,271,944	618	65,361	5.0	5,552,400	262	21,428	3.0	3,340,487	173	9,603	6.0
Total	157,416,354	12,364	1,027,813	100.0	108,296,527	8,644	790,224	100.0	26,395,232	2,900	189,930	100.0

(6) Inspection and Maintenance Goals:

Quarterly Reliability Report First Quarter 2005						
Program/Project	**Penn Power**		**Penelec**		**Met-Ed**	
Forestry[4]						
	Transmission (Miles)	**Distribution (Miles)**	**Transmission (Miles)**	**Distribution (Miles)**	**Transmission (Miles)**	**Distribution (Miles)**
Scheduled (Annual)	203	1,035	430	3,910	169	2,974
Completed	24	166	0	816	10	760
Transmission	**Planned**	**Completed**	**Planned**	**Completed**	**Planned**	**Completed**
Aerial Patrols (2/yr)	2	0	2	0	2	0
Groundline Inspections[5]	1,385	0	3,459	0	1,332	1,203
Substation						
General Inspections	1,020	253	5,450	1,365	2,580	678
Transformers[6]	115	32	693	330	285	20
Breakers	141	48	973	219	364	91
Relay Schemes	100	10	1,177	249	727	118
Distribution						
Recloser Inspection (Qtrly)						
1st	606	606	740	740	691	691
2nd	606		740		691	
3rd	606		740		691	
4th	606		740		691	
Capacitor Inspection (Annual)	249	249	1,852	1,816	3,814	3,814
Radio-Controlled Switches	Not Applicable[7]	Not Applicable[7]	734	214	15	0
Pole Inspections[5]	11,200	0	55,217	0	28,950	0

[4] FirstEnergy's vegetation management program was implemented in 2002 in both Penelec and Met-Ed to ultimately achieve a 4-year distribution and a 5-year transmission cycle. Met-Ed and Penelec anticipated achieving the 4 and 5-year clearance cycles by year-end 2004. In response to the four hurricanes that struck portions of Florida in Fall 2004, some of FirstEnergy's vegetation management subcontractors requested and were granted permission to temporarily dispatch crews to perform restoration work in Florida. As a result, approximately 400 miles of the distribution work plan were completed in early 2005, but this work will not have any impact on the original 2005 work plan.

[5] Penn Power and Penelec transmission groundline inspections are scheduled to begin in the 2nd quarter. The distribution groundline inspections for all three companies are scheduled to begin in the 2nd quarter.

[6] The process for assigning transformer inspection orders changed in 2005. An inspection order is now assigned to each transformer that is to be inspected instead of each substation as in the past.

[7] Penn Power does not have radio-controlled switches on distribution facilities.

(7) Quarterly and Y-T-D Budgeted vs. Actual T&D Operation & Maintenance Expenditures:

T&D O&M (1st quarter 2005)				
Company	**PUC Category**	**YTD March Actuals**	**YTD March Budget**	**Total Year Budget**
Met-Ed	Corrective Maintenance	1,912,914	2,331,381	9,560,488
	Preventive Maintenance	595,176	829,166	3,297,695
	Storms	1,484,024	872,441	3,965,222
	Vegetation Management	4,394,528	2,886,912	11,786,935
	Misc	1,107,854	1,698,888	7,119,908
	Operations	2,669,835	3,188,024	11,706,927
Met-Ed Total		**12,164,331**	**11,806,811**	**47,437,175**
Penelec	Corrective Maintenance	2,481,092	1,743,541	6,973,858
	Preventive Maintenance	695,743	932,924	3,733,068
	Storms	1,116,396	1,821,099	6,358,075
	Vegetation Management	3,635,999	2,664,599	10,658,395
	Misc	1,432,657	1,549,426	6,874,536
	Operations	4,590,028	4,299,189	17,535,556
Penelec Total		**13,951,915**	**13,010,777**	**52,133,489**
Penn Power	Corrective Maintenance	379,024	390,142	1,691,968
	Preventive Maintenance	113,178	94,323	387,292
	Storms	(69,911)	88,974	947,088
	Vegetation Management	725,601	791,562	3,416,986
	Misc	423,477	769,615	3,962,024
	Operations	1,344,809	1,388,550	5,933,522
PennPower Total		**2,916,177**	**3,523,167**	**16,338,880**
Grand Total		**29,032,422**	**28,340,756**	**115,909,543**

Table Notes:

- O&M data ties to preliminary FERC data with the exception of the expenses related to the two Regional Transmission Organizations (RTO) that the Companies are transmission owners (PJM & MISO).

(8) Quarterly and Y-T-D Budgeted vs. Actual T&D Capital Expenditures:

T&D Capital (1st quarter 2005)				
Company	**PUC Category**	**YTD March Actuals**	**YTD March Budget**	**Total Year Budget**
Met-Ed	New Business	5,107,195	4,190,089	19,498,981
	Reliability	4,647,719	6,048,246	25,816,546
	Capacity	2,225,186	3,599,192	8,366,397
	Misc	1,797,004	1,671,288	5,746,427
	Forced	2,258,477	1,220,637	4,170,596
	Vegetation Management	25,759	500,217	2,823,760
Met-Ed Total		**16,061,340**	**17,229,669**	**66,422,706**
Penelec	New Business	3,019,656	3,346,754	13,107,392
	Reliability	4,929,731	5,004,627	27,464,577
	Capacity	273,586	800,826	2,755,260
	Misc	2,175,144	3,338,799	12,297,573
	Forced	4,670,276	2,014,930	7,918,274
	Vegetation Management	270,379	596,671	2,504,930
Penelec Total		**15,338,771**	**15,102,607**	**66,048,006**
Penn Power	New Business	1,313,391	1,505,119	6,647,756
	Reliability	972,220	656,947	3,282,203
	Capacity	405,742	806,234	2,085,757
	Misc	452,587	341,194	1,374,259
	Forced	449,785	759,884	2,583,434
	Vegetation Management	87	0	0
PennPower Total		**3,593,813**	**4,069,378**	**15,973,408**
Grand Total		**34,993,924**	**36,401,654**	**148,444,120**

Table Note:

- Capital data excludes facilities (i.e. buildings)
- Net of Contribution in Aid of Construction (CIAC)

(9) Staffing Levels – T&D Operation and Maintenance (Line & Substation – Physical Workers)

	Penn Power	**Penelec**	**Met-Ed**
Line Dept.			
Leader/Chief	33	160	61
Lineman	42	141	156
Substation Dept.			
Technician	5	0	17
C&M	14	72	39
Total	94	373	273

(10) Contractor Expenses – 4th Quarter:

	Contractor Expense[8]
Penn Power	$944,373
Penelec	$5,761,504
Met-Ed	$6,828,000

(11) Call-out Acceptance Rate:

Call-out Acceptance Rate[9]			
	January	**February**	**March**
Penn Power	76%	88%	76%
Penelec	61%	63%	65%
Met-Ed	57%	56%	62%

52 Pa Code § 57.195 (e) (11) requires larger utilities to report the amount of time it takes to obtain the necessary personnel during call-outs. FirstEnergy is working with the other PA utilities to assure consistency and determine how to calculate the time it takes to obtain the necessary personnel for call-outs. This data is not available for this reporting period and is expected to be made available in the next quarterly report.

Additional Reporting Requirements in Accordance with the Settlement Agreement at Docket No.: I-00040102

(1) Connectivity:

Customer connectivity rates are provided in this report as required by the Pa. Settlement Agreement.

	Penn Power	Penelec	Met-Ed
Connectivity (%)	97.4%	98.8%	98.6%

Customer connectivity is defined as the percentage calculated by dividing the number of customers that are connected to a device within the Outage Management System (OMS) by the number of billable accounts and sub-accounts (other than group billed accounts) in the customer information system.

(2) Public Meeting Report:

Public meeting reports are provided in Attachment B1 and B2 of this report.

- Attachment B1 includes local reliability meeting reports conducted during the 1st quarter of 2005.
- Attachment B2 includes local reliability meeting reports for those meetings conducted prior to this 1st quarter 2005, and that include outstanding action items or action items completed in this subject reporting period.
- Once all action items have been completed the meeting report will no longer be attached..

[8] Includes charges for vegetation management, emergency work, including labor, hotels, meals, etc. which are billed on a lump sum basis and for which hourly information is not readily available.
[9] Call-out rate is defined as the number of positive responses to total calls.

Penn Power
5% Worst Performing Circuits
1st Quarter 2005

Attachment A

Substation Desc	Circuit Desc	Average Customers Served	Outage Count	Customer Minutes	SAIFI	CAIDI	SAIDI	MAIFI	Lockout Count	CRI	Remedial Action Planned or Taken	Date Remedial Work Is Scheduled	Date Remedial Work Is Completed
ZELIENOPLE	D602	20	3	7992	0.3	1,332	400	3.00	0	622	Completed minor storm rehabilitation. Storm restoration work was delayed because of inaccessibility due to flooding. No remedial action is planned.		
KNOX	D509	1029	7	125705	0.18	676	122	4.80	0	333	Completed minor storm rehabilitation. Storm restoration work was delayed because of inaccessibility due to flooding. No remedial action is planned.		
PERRY	W-156	1020	51	1186549	2.78	419	1,163	2.79	1	297	Distribution tree trimming, replacement of transmission feed circuit insulators, a comprehensive helicopter patrol of the transmission feed circuit and a review of a substation breaker and fusing is planned.	Tree clearing 1st quarter 2005(40% complete). Transmission insulator replacements by the end of 2005. Comprehensive helicopter patrol of transmission circuit 2nd quarter of 2005. Review of sub breaker and 6 fuses in first half of 2005 (50% complete).	
MARS	D616	970	39	773485	2.64	302	797	0.48	1	229	A circuit protection review was completed and additional fusing was installed. Tree maintenance is scheduled.	Tree trimming to be completed in 2005(scheduled for June).	Installation of addotional fusing was completed in the 1st qrt, 2005.
EVANS CITY	D611	1022	27	603383	5.41	109	590	8.49	0	224	A section of the substation feed is being rebuilt in the area of conductor failures and the substation main feed circuit is being reviewed from a protection standpoint.	The main feed protection and field review will be completed by the end of the 2nd quarter. All identified line work will be completed by the end of the year.	
CAMPBELL PP	W-140	862	27	390715	2.1	216	453	9.26	1	222	Full cycle tree trimming was completed and protective devices were installed. Another section of this circuit will be reviewed in 2005.	Protection review to be completed by end of 1st quarter(complete - 3/05). Any required construction to be completed by year end.	Full cycle tree trimming was completed and protective devices were installed on a portion of this circuit in 2004.
DARLINGTON	D-537	796	30	507192	3.72	171	637	5.21	1	221	A circuit protection review is planned.	A protection review will be completed by end of the 2nd quarter 2005. Any required construction will be completed by year end.	
KOPPEL	D-531	471	19	367466	3.28	238	780	5.41	0	214	A storm related outage and an outage caused by a vehicle contributed to the poor performance of this circuit. Repairs were made at the time of the outages and no remedial work is planned.		

Met-Ed
5% Worst Performing Circuits
1st Quarter 2005

Attachment A

Substation Desc	Circuit Desc	Average Customers Served	Outage Count	Cust. Minutes	Cust. Affected	SAIFI	Lockouts	CAIDI	SAIDI	MAIFI	CRI	Remedial Action Taken or Planned	Date Remedial Work is Scheduled	Date Remedial Work is Completed
SOUTH LEBANON SUB	00770-2	22	1	35,071	21	0.95	1	1,670	1,594	0.95	806	Trees were cleared in the area of the outage and repairs were made to equipment as needed Four guy repairs planned.	Four guy repairs are scheduled for the 2nd qtr, 2005.	
5TH AND WEIDMAN SUB	00421-2	780	1	49,448	28	0.04	0	1,766	63	0.00	795	A transformer and transformer fuse were replaced due to failure.		Transformer was replaced 3rd qtr, 2004. Fuse was replaced 1st qtr, 2004.
STOUCHBURG SUB	00759-2	614	17	519,671	429	0.70	0	1,211	846	6.50	595	Main line patrol and comprehensive tree trimming completed Items identified on patrol are scheduled including fuse additions, crossarm replacement and a capacitor repair. Engineering study identified additional fuse installations.	Replace recloser with fuses, 1 fuse change, 1 crossarm replacement, 1 capacitor repair in 2nd qtr, 2005. Tap fuse additions at 11 locations, scheduled for 3rd qtr, 2005.	Main line patrol, 1st qtr, 2003 Comprehensive tree trimming, 4th qtr, 2004.
ANNVILLE SUBSTATION	00399-2	380	4	261,630	243	0.64	0	1,077	689	3.00	515	Detailed circuit inspection and comprehensive tree trimming were completed. A comprehensive crossarm and pole refurbishment project is planned.	Comprehensive crossarm and pole refurbishment project, 2005 - 2006	PM line patrol, 2nd quarter, 2003 Comprehensive tree trimming, 3rd quarter, 2003
CAMPBELLTOWN SUB	00634-2	985	26	1,543,104	6,543	6.64	6	236	1,567	6.57	460	A detailed circuit inspection, main line patrol, comprehensive tree trimming were completed and items identified during the patrol have been repaired.		PM line patrol, 2nd qtr, 2003 Comprehensive tree trimming, 2nd qter, 2004. Main line patrol, 3rd qtr, 2004. Repair/replacement of: 5 crossarms, 4 crossarm braces, 2 poles and 3 guy wires, 6 arresters, 1 insulator, 1 primary conductor location; installation of fault indicators at 3 locations, 4th qtr, 2004.
MUHLENBERG	00175-1	411	1	12,259	13	0.03	0	943	30	0.00	425	Transformer replacement due to failure. Comprehensive tree trimming is planned	Comprehensive tree trimming, 4th qtr, 2005	Transformer was replaced 3rd qtr, 2004
SHAWNEE SUB	00895-3	2,846	76	2,688,548	19,201	6.75	5	140	945	8.96	406	Comprehensive tree trimming, installation of a sectionalizer, additional fusing, upgrading one parallel step bank, installing a second step transformer and misc equipment repairs were completed Installation of an electronic recloser, two capacitor banks, extending three-phase to relieve load on an existing step bank and voltage regulators are planned.	Recloser, regulator and capacitor banks scheduled for the 3rd qtr 2005. Extending three-phase is scheduled for 4th qtr 2005	Comprehensive tree trimming, installation of a sectionalizer, additional fusing, upgrading one parallel step bank, installing a second step transformer and misc. equipment repairs were completed.
PALMYRA SUB	00396-2	557	2	17,250	20	0.04	0	863	31	0.00	389	Open wire secondaries were repaired Comprehensive tree trimming and a detailed circuit inspection are planned	Comprehensive tree trimming and a detailed circuit inspection are planned for 2006	Open wire secondaries repaired 4th qtr, 2004.
COLLINS SUBSTATION	00761-2	634	9	942,638	1,901	3.00	2	496	1,487	3.71	368	A circuit patrol, replacement of a substation circuit breaker and spot tree trimming were completed. Comprehensive tree trimming is planned. Items identified during the patrol are in progress.	Comprehensive tree trimming, 2nd qtr, 2005 1 guy repair, 2 arrester replacements, 1 insulator replacement, 1 fuse change, 2nd qtr, 2005	Installation of new substation breaker, 3rd qtr, 2004 Replaced 1 insulator, 2nd qtr, 2004. Spot tree trimming & padmount transformer replacement, 4th qtr, 2004. Replaced 1 phase recloser & 1 insulator, April, 2005. Replaced 2 guys & 1 arrester, installed animal guard, 1st qtr, 2005.
NEWBERRY SUB	00586-4	1,381	36	1,027,966	8,155	5.91	4	126	738	10.13	358	A detailed circuit inspection, comprehensive tree trimming, main line patrol and engineering study were completed Repairs to items identified are in progress.	Most items identified on the patrols and the installation of 14 fuses (add/change locations) and 6 animal guards will be completed in the 2nd qtr 2005. One sectionalizer will be added in 3rd qtr 2005 and a reconductoring project is planned by year-end, 2005	Trimming and a main line patrol were completed in 2003 and a detailed circuit patrol in 2004. Sixty three items were identified with most items completed. Also three forestry items identified and completed 1st qtr, 2005.
SHAWNEE SUB	00860-3	2,815	50	3,122,240	12,699	4.51	4	246	1,109	6.13	358	Added four single-phase reclosers and fusing. Comprehensive tree trimming is planned Specific insulators on the main line will be replaced due to the frequency of their failures.	Tree trimming and insulator replacement is scheduled for 4th qtr 2005.	Added 4 single-phase reclosers and fusing in the 4th qtr, 2004

Met-Ed
5% Worst Performing Circuits
1st Quarter 2005

Attachment A

Substation Desc	Circuit Desc	Average Customers Served	Outage Count	Cust. Minutes	Cust. Affected	SAIFI	Lockouts	CAIDI	SAIDI	MAIFI	CRI	Remedial Action Taken or Planned	Date Remedial Work Is Scheduled	Date Remedial Work Is Completed
SHAWNEE SUB	00899-3	2,686	90	2,898,125	15,248	5.68	2	190	1,079	15.67	357	A main line patrol was completed and items identified have been repaired or replaced. Comprehensive tree trimming and the installation of three capacitor banks were completed. An engineering study to evaluate loading and fusing beyond a step bank is planned.	Step bank fusing will be evaluated 2nd qtr 2005.	Three capacitor banks were installed and tree trimming was completed in the 1st qtr 2005
STOUCHBURG SUB	00758-2	897	33	958,082	3,760	4.19	3	255	1,068	9.60	345	Spot forestry patrol, main line patrol and comprehensive tree trimming were completed. Items identified are planned.	2 guy repairs and installation of disconnect switch are scheduled for the 2nd qtr, 2005.	Main line patrol, 1st qtr, 2003. Spot forestry patrol and follow up trimming, 3rd qtr, 2004. Comprehensive tree trimming, 4th qtr, 2004
MT ROSE SUB	00564-4	766	14	544,304	5,576	7.28	4	98	284	1.95	337	A detailed circuit inspection, tree trimming, detailed engineering study and main line patrol were completed and additional sectionalizing devices were installed Items identified during patrols are scheduled	One pole replacement planned, requires customer bridge repairs to access location. All other remedial work identified is completed.	Tree trimming and main line patrol completed in 2003 One item identified and completed in 4th qtr of 2004 Actions to reduce momentary interruptions were completed in 2003 A detailed engineering study was completed in 1st qtr 2004. Additional cutouts were completed in 4th qtr of 2004. A detailed circuit patrol completed 4th qtr of 2004.
SWATARA HILL SUB	00763-2	1,637	60	2,515,988	7,379	4.51	0	341	1,474	14.07	335	A detailed circuit inspection, spot tree trimming, main line patrol and thermovision patrol were completed This circuit was split into two separate circuits to improve reliability. Repairs to items identified during the patrols and comprehensive tree trimming were completed	Relocation of off-road section of line (right of way dependent), 2nd qtr, 2005. Replacement of underground cable in Laurel Woods Development, 4th qtr, 2005.	PM line patrol, 3rd qtr, 2003. Spot tree trimming, 3rd qtr, 2004. Main line patrol, 3rd qtr, 2004 Forestry and engineering spot patrol, 3rd qtr, 2004. Thermovision patrol, 4th qtr, 2004. Installed 13 fuses, changed fuse sizes at 8 locations, replaced two reclosers with fuses, 4th qtr, 2003 Rebuilt & repaired spacer cable, resagged primary conductor, 1st qtr, 2004 Replaced spacer cable with open wire, installed overhead fault indicators at 3 locations, installed animal guard at 1 location, replaced 1 arrester, replaced 1 crossarm & 3 braces, repaired 4 guys, replaced 1 cut out, 4th qtr, 2004. Installed new substation breaker to split circuit into two circuits, 4th qtr, 2004. Repaired one primary overhead connector, 1st qtr, 2005 Comprehensive tree trimming completed 1st qtr, 2005 Pole repair & guy replacement completed 1st qtr, 2005. 8 crossarms replaced, 1st qtr, 2005
BIRDSBORO	00756-1	1,357	29	653,400	3,966	2.92	2	165	410	25.60	330	A circuit inspection, comprehensive tree trimming, spot engineering patrol and relay setting changes were completed. Repairs to items identified are in progress.	One pole repair/replacement and 2 guy repairs are scheduled for the 2nd quarter, 2005 and four pole repair/replacements are scheduled for the 4th quarter, 2005	PM line patrol and comprehensive tree trimming were completed in 2003. A spot engineering patrol, substation relay setting changes, the installation of 2 fuses and 2 regulators and the replacement of 2 poles and 2 fuses were completed in 2004 Three fuses and 2 disconnect switches were installed, 9 crossarms, 27 crossarm braces and 10 arresters were replaced, 1 guy repaired and fault indicators installed at three locations in the 1st quarter, 2005
SCHUYLKILL AVE	00154-1	918	2	52,603	73	0.08	0	721	57	0.00	326	Rebuilt entire transformer structure during outage restoration.	Comprehensive tree trimming, 4th qtr, 2005. Detailed circuit inspection 2007.	Transformer rebuild and spot trimming around secondary conductors completed 4th quarter, 2005.
FRYSTOWN SUB	00700-2	1,011	30	361,725	6,275	6.21	3	58	344	13.48	326	Comprehensive tree trimming was completed. Line reconductoring, pole replacements, regulator upgrade and capacitor installations were completed Coordination improvements including a recloser upgrade and tap fuse additions/changes were completed. Additional tap fuse additions/changes are planned.	Tap fuse additions/changes at 23 locations are scheduled for the 3rd quarter, 2005	Comprehensive tree trimming, a line reconductoring project, pole replacements, a regulator upgrade and capacitor installations were completed in the 1st qtr, 2005. Coordination improvement on a single phase tap including recloser upgrade and tap fuse additions/changes at 6 locations were completed in the 1st qtr, 2005
MT ROSE SUB	00562-4	1,208	10	699,844	8,528	7.06	4	82	124	1.99	325	A circuit inspection was performed and repairs to identified items are complete. An engineering study and patrol was completed Additional fusing was installed.		Detail circuit patrol completed 2nd qtr of 2004. Five items identified were completed. Engineering study and fuse additions completed 1st qtr 2005.

Met-Ed
5% Worst Performing Circuits
1st Quarter 2005

Attachment A

Substation Desc	Circuit Desc	Average Customers Served	Outage Count	Cust. Minutes	Cust. Affected	SAIFI	Lockouts	CAIDI	SAIDI	MAIFI	CRI	Remedial Action Taken or Planned	Date Remedial Work Is Scheduled	Date Remedial Work Is Completed
MT ROSE SUB	00660-4	864	18	835,889	5,773	6.68	3	145	967	3.25	324	Comprehensive tree trimming and a detailed circuit inspection were completed. Identified items are complete and a detailed engineering study was completed with additional remedial work planned.	Additional remedial work resulting from engineering study includes: add/change 26 fuses and animal protection at 6 locations in 2nd qtr 2005.	Trimming was completed in 2003. A detailed circuit patrol, replacement of a crossarm crossarm braces, installation of spacer cable spacers at 21 locations and trim trees at one location were completed on 2004. An engineering study, pole replacement and the installation of fault indicators at three locations was completed in 2005
ANGELICA SUB	00129-1	657	17	985,826	2,880	4.38	1	342	781	4.35	309	A main line and detailed circuit inspection, comprehensive tree trimming, and tap fuse additions were completed and items identified on patrol were completed. A substation transformer and breaker upgrade and a main line recloser upgrade were completed. Fuse changes are planned to improve circuit coordination	Two fuse changes to improve circuit coordination and increase capacity are scheduled for completion in the 2nd qtr, 2005	Substation transformer and breaker upgrades and the installation of 11 fuses was completed in 2004. A main line recloser was upgraded, 4 animal guards were installed and crossarm, arrester and guy repairs were completed in the 1st qtr, 2005.
LYNNVILLE SUB	00748-1	1,072	46	1,084,859	4,248	3.96	2	255	582	8.01	305	Circuit inspection and spot tree trimming were completed. Items identified in the inspection and comprehensive tree trimming are in progress. A recloser upgrade project is planned	Comprehensive tree trimming, the installation of 11 animal guards, a single-phase recloser upgrade and fuse changes at 8 locations are scheduled for completion in the 2nd qtr, 2005.	A PM line patrol, spot forestry patrol, follow up trimming and replacement of 5 crossarms was completed in the 3rd qtr, 2004. Three fuse changes, 1 fuse installation, replacement of 7 arresters, 1 crossarm and 1 pole, repair of 1 guy, 1 ground and 1 OH conductor were completed in the 1st qtr, 2005. Padmount transformer replacement completed April, 2005
MARSHALLS CREEK	00128-3	473	10	186,447	312	0.66	0	598	394	2.99	300	Comprehensive tree trimming was completed. Additional locations have been identified for fusing	Fusing is scheduled for the 4th qtr. 2005	Comprehensive tree trimming was completed in the 4th qtr 2004
PLEASUREVILLE	00711-4	701	3	423,241	855	1.22	1	495	604	3.00	294	Car-pole accident. Repairs were made at the time of the outage. Engineering study completed.	Items identified during the engineering study include the installation of 12 fuses and one animal guard and are planned for the 4th qtr, 2005.	Detailed engineering study completed 1st qtr 2005.
LEHIGH ST SUB	00072-3	749	1	18,357	29	0.04	0	633	25	0.99	291	A circuit inspection was performed and the items identified during inspection are completed		Full Circuit Inspection completed 2003. The items identified during the study were completed during the 1st qtr, 2005.
ANNVILLE SUBSTATION	00742-2	872	31	565,243	3,342	3.83	2	169	648	11.33	280	A circuit inspection was completed and repairs to identified items are in progress. A single-phase lap coordination improvement project is planned	Six animal guard and 2 fuse installations, 2 fuse changes, 1 guy, 1 ground wire and 1 conductor repair, an insulator replacement, 1 pole repair/replacement and a single-phase tap coordination improvement including fuse additions/changes at 12 locations were completed in the 3rd qtr, 2005	A PM line patrol was completed in the 1st qtr, 2003. Replacement of 3 arresters was completed in the 2nd qtr, 2004.
ROUND TOP	00584-4	317	19	177,507	1,138	3.59	1	156	546	18.54	279	A circuit inspection, detailed engineering study, comprehensive tree trimming and repairs to identified items have been completed.		A circuit inspection was completed in 2003 with all remedial work completed in 2004. A detailed engineering study was completed and the items identified including the installation off animal guards and additional fusing were completed in 2004. Two reclosers were removed from service and tree trimming was completed in 2004

Met-Ed
5% Worst Performing Circuits
1st Quarter 2005

Attachment A

Substation Desc	Circuit Desc	Average Customers Served	Outage Count	Cust. Minutes	Cust. Affected	SAIFI	Lockouts	CAIDI	SAIDI	MAIFI	CRI	Remedial Action Taken or Planned	Date Remedial Work is Scheduled	Date Remedial Work is Completed
CAMPBELLTOWN SUB	00731-2	1,960	63	1,677,803	7,114	3.63	1	236	856	10.74	276	A detailed circuit inspection, comprehensive tree trimming, main line patrol, engineering patrols and a thermovision patrol were completed. Repairs to identified items are in progress.	A pole repair/replacement is scheduled for the 2nd qtr, 2005.	A PM line patrol was completed in the 3rd qtr, 2003. Comprehensive tree trimming, a main line patrol, two engineering patrols, a thermovision patrol, resagging of a conductor, the change out of 21 fuses, the installation of 11 fuses and 6 animal guards, the replacement of 6 arresters, 5 crossarms, 6 crossarm braces and 3 insulators, the installation of fault indicators at 3 locations and a disconnect switch, the repair of 1 ground and 5 guys, repair/replacement of 3 poles, repair of a primary conductor and a recloser upgrade were completed in 2004. A conductor was resagged in the 1st qtr, 2005
VIOLET HILL SUB	00327-4	396	6	55,864	95	0.24	0	588	141	1.00	275	Comprehensive tree trimming and a circuit inspection were completed and all items identified have been repaired.		A detailed circuit inspection and actions to reduce momentary interruptions were completed in 2003. A detailed engineering study and the items identified were completed in 2004. Spot tree trimming was completed in 2003 with complete trimming completed in 2004.
FERNDALE SUB	00839-3	1,026	19	828,258	5,292	5.16	2	157	247	4.99	274	Circuit Inspection and engineering review completed with all related remedial actions completed The source circuit has been foot patrolled and flown by helicopter. Faulted circuit indicators have been installed and alternative sources are being studied by Regional Engineering.	Remedial work for the 2005 CRI review and 2005 foot and aerial patrol are scheduled for 2nd qtr, 2005. Alternative sources are being studied by Regional Engineering.	A full circuit inspection and an engineering review were completed in 2003 All related remedial actions were completed in 2004 Additional CRI review was completed in Feb 2005. The C-29 circuit has been foot patrolled and flown by helicopter. Fault Current Indicators have been installed on C-29 and 839.
ROUND TOP	00585-4	818	25	515,338	3,995	4.88	2	129	614	8.40	273	A detailed circuit inspection, an engineering study and comprehensive tree trimming were completed All identified remedial work has been completed.		A detailed circuit inspection (2004, 2003, 2005) and an engineering study was completed in 2003. Comprehensive tree trimming was completed in 2004. All identified remedial work including add/change fuses (53 locations), install fault indicators (3 locations), repaired spacer cable (43 locations), added animal protection (7 locations) and other misc. repairs have been completed.
BELLEVUE	00196-1	249	1	3,594	6	0.02	0	599	14	0.00	270	A detailed circuit inspection was completed and repairs to the items identified are in progress. Comprehensive tree trimming was completed.	Four crossarm replacementsare scheduled for the 2nd qtr, 2005.	A PM patrol, the installation of 10 fuses and the change-out of a fuse were completed in 2004 Replacement of 1 arrester and comprehensive tree trimming were completed in the 1st qtr, 2005.
ANNVILLE SUBSTATION	00743-2	1,117	25	1,431,596	5,312	4.76	0	270	1,282	6.22	269	A detailed circuit inspection, comprehensive tree trimming and main line patrol were completed Items identified during the patrol are in progress.	Twenty five insulator replacements and 1 guy repair are scheduled for the 4th qtr, 2005.	A PM line patrol and comprehensive tree trimming where completed in 2003. A main line patrol, replacement of 10 insulators and 3 spacers, the installed of 1 fuse/bypass switch, change out of 11 fuses and the repaired 1 guy where completed in 2004. Six animal guards were installed in the 1st qtr, 2005.
MT WOLF SUBSTATION	00242-4	823	14	446,514	949	1.15	1	471	543	0.00	266	Comprehensive tree trimming, an engineering study, circuit patrol and repairs to the identified items have been completed.		A 2003 CRI study and a circuit patrol identified the need for the retirement of a hydraulic recloser, fusing added or changed at seven locations, animal guards added at two locations, and part of the circuit to be converted to 13 2kV. All work completed by the 3rd qtr of 2004. Trimming was completed in 2003.
MYERSTOWN SUB	00752-2	1,214	11	98,976	194	0.16	0	510	82	6.36	266	Circuit inspection and a pole repair have been completed and the remaining items identified are planned.	Replace recloser, 3 arresters, 4 crossarms, 1 insulator, repair 1 guy, 2nd qtr, 2005	A PM line patrol was completed in the 3rd qtr, 2004 and a pole was repaired in the 1st qtr, 2004.
TURF CLUB SUB	00723-2	300	22	144,304	390	1.30	1	370	480	7.87	265	Spot forestry and engineering patrols were completed. Items identified in the engineering patrol are in progress. A detailed circuit inspection was completed and a pole replacement identified on the patrol is planned.	1 pole replacement, 2nd qtr, 2005. 1 arrester replacement, and 1 guy repair, 3rd qtr, 2005.	Spot forestry patrols and a spot engineering patrol were completed in 2004. A PM line patrol, installation of 16 fuses and an animal guard and a recloser upgrade where completed in the 1st qtr, 2005.

Penelec
5% Worst Performing Circuits
1st Quarter 2005

Attachment A

Substation Desc	Circuit Desc	Average Customers Served	Outage Count	Customer Minutes	SAIFI	CAIDI	SAIDI	MAIFI	Lockout Count	CRI	Remedial Action Taken or Planned	Date Remedial Work Is Scheduled	Date Remedial Work Is Completed
CURWENSVILLE SUB	00146-21	32	3	222,780	2.28	3,052	6,962	2.00	1	1,465	Minor storm rehabilition, no follow-up work required.		Apr-05
FRENCH ROAD	00220-31	112	1	2,295	0.01	2,295	20	0.00	0	1,032	Non-preventable tree caused outage, spot tree trimming complete. No further action required.		Apr-05
ERIE WEST	00340-34	107	2	47,947	0.21	2,085	448	4.02	0	963	Non-preventable tree caused outage, spot tree trimming complete. No further action required.		Apr-05
WILLIAMSBURG	00045-71	299	13	472,080	1.01	1,558	1,579	6.44	0	758	Minor storm rehabilition, no follow-up work required.		Apr-05
CAMBRIA COUNTY PRISO	00201-72	169	10	587,897	2.52	1,380	3,479	4.40	2	757	Minor storm rehabilition, no follow-up work required.		Apr-05
ERIE EAST	00263-31	487	5	658,165	0.85	1,597	1,351	1.99	0	749	Underground primary hardware failure, equipment replaced. No follow-up work required.		Apr-05
PPL WEST	PL005-62	9	1	11,600	0.89	1,450	1,289	0.00	1	700	Non-preventable tree caused outage, spot tree trimming pending. Circuit inspected. Coordination work was completed in the first quarter. Minor circuit rehab is pending.	Oct-05	
EAST TOWANDA	00529-62	204	12	462,837	1.81	1,251	2,269	12.00	1	695	Circuit to be reviewed for coordination and rehab.	Jan-06	
UTICA JUNCTION	00318-51	885	45	2,692,557	2.98	1,022	3,042	14.36	2	659	Circuit to be reviewed for coordination. Line rehabilition complete March 2005.		Mar-05
LACEYVILLE	00613-65	77	2	12,868	0.13	1,287	167	12.91	0	648	Equipment failure, repairs complete, no follow-up work required.		Apr-05
TURNER STREET	00492-52	75	3	179,771	2.17	1,103	2,397	0.00	1	575	Minor storm rehabilition, no follow-up work required.		Apr-05
LAKE COMO	00787-65	998	33	539,322	5.06	107	540	72.35	1	569	Circuit to be reviewed for coordination and rehab.	Jan-06	
EHRENFELD JACKSON	00078-72	85	4	117,163	1.35	1,019	1,378	12.00	0	553	Non-preventable tree caused outage, spot tree trimming complete. No further action required.		Apr-05
EAST TOWANDA	00525-62	662	36	2,478,739	7.15	524	3,744	12.79	2	528	Circuit to be reviewed for coordination and rehab.	Jan-06	
FRENCH ROAD	00219-31	1,208	6	384,178	0.29	1,098	318	1.13	0	506	Minor storm rehabilition, no follow-up work required.		Apr-05
POPLAR STREET	00650-62	40	7	127,361	3.78	843	3,184	3.90	0	491	Circuit to be reviewed for coordination. Engineering 50% completed March 2005.	Oct-05	
ELK RUN	00922-23	428	23	313,114	6.1	120	732	55.58	0	488	Circuit to be reviewed for coordination. Engineering completed March 2005.	Oct-05	
ST BENEDICT	00056-72	269	7	442,974	2.11	780	1,647	16.03	0	484	Circuit inspected: fuse installations and minor circuit rehab are pending. Engineering completed March 2005. Circuit is ready for construction.	Oct-05	
LENOX	00757-65	97	2	163,596	1.99	848	1,687	9.95	0	481	Minor storm rehabilition, no follow-up work required.		Apr-05
ST BENEDICT	00055-72	13	3	31,993	3.	820	2,461	2.00	1	479	Minor storm rehabilition, no follow-up work required.		Apr-05
MERCER PIKE	00474-52	466	39	1,679,226	5.76	626	3,603	5.36	1	476	Circuit to be reviewed for coordination and rehab. Engineering Complete.	Oct-05	

Penelec
5% Worst Performing Circuits
1st Quarter 2005

Attachment A

Substation Desc	Circuit Desc	Average Customers Served	Outage Count	Customer Minutes	SAIFI	CAIDI	SAIDI	MAIFI	Lockout Count	CRI	Remedial Action Taken or Planned	Date Remedial Work is Scheduled	Date Remedial Work is Completed
UNION CITY SUB	00208-43	1,308	53	924,327	1.4	505	707	35.51	1	470	Circuit to be reviewed for coordination and rehab. Engineering 90% completed in March 2005.	Oct-05	
LENOX	00755-65	656	21	1,294,852	2.15	918	1,974	1.00	0	470	Circuit inspected: fuse installations and minor circuit rehab are pending. Engineering completed March 2005. Circuit is ready for construction.	Oct-05	
EAGLES MERE	00686-62	316	18	1,215,332	8.24	467	3,846	0.89	2	468	Circuit to be reviewed for coordination and rehab. Engineering 70% completed in March 2005.	Oct-05	
WILLIAMSBURG	00046-71	366	14	1,059,147	4.12	703	2,894	2.02	1	453	Circuit to be reviewed for coordination and rehabilitation.	Jan-06	
PUNXSUTAWNEY	00118-23	1,245	30	894,505	6.96	103	718	19.76	5	450	Circuit to be reviewed for coordination and rehab. Engineering completed March 2005.	Oct-05	
MOSS CREEK	00049-72	732	13	895,188	3.38	361	1,223	28.89	2	446	Circuit reviewed for coordination and reinforcement. Engineering completed in March 2005. Circuit is ready for construction.	Oct-05	
SUMMIT	00187-72	152	3	29,196	0.2	942	192	3.01	0	444	Minor storm rehabilition, no follow-up work required		Apr-05
CONNEAUTVILLE	00464-52	568	16	465,172	6.28	130	819	22.98	4	435	Circuit to be reviewed for coordination. Engineering 50% completed March 2005.	Oct-05	
DOWNING AVENUE	00570-31	761	1	48,858	0.07	958	64	0.00	0	433	Non-preventable tree caused outage, spot tree trimming complete. No further action required.		Apr-05
BENTON A F SUB	00774-62	1	1	895	1.	895	895	0.00	0	427	Equipment failure on the 34.5kV in conjuction with a schedule outage on the 115kV supply created an extended outage. No follow-up work required.		Apr-05
BECCARIA	00692-22	209	9	437,440	3.53	594	2,093	8.95	1	425	Circuit to be reviewed for coordination and rehab. Engineering completed March 2005.	Oct-05	
HOOVERSVILLE	00032-12	122	5	124,730	1.19	860	1,022	0.99	0	421	Non-preventable tree caused outage, spot tree trimming complete. Minor storm rehabilition also completed. No further action required.		Apr-05
DORIS	00208-11	303	1	11,791	0.04	907	39	2.00	0	419	Non-preventable tree caused outage, spot tree trimming complete. No further action required.		Apr-05
EHRENFELD JACKSON	00306-72	372	8	455,257	2.03	601	1,224	13.18	1	414	Spot tree trimming required. Circuit being reviewed for protection and rehab because of poor SAIDI. Engineering 90% complete March 2005.	Oct-05	
ERIE WEST	00264-34	285	5	60,796	0.24	894	213	1.00	0	413	Minor storm rehabilition, no follow-up work required.		Apr-05
MORGAN STREET	00236-52	210	17	269,617	5.69	226	1,284	23.40	2	413	Non-preventable tree caused outage, spot tree trimming complete. No further action required.		Jan-05

Penelec
5% Worst Performing Circuits
1st Quarter 2005

Attachment A

Substation Desc	Circuit Desc	Average Customers Served	Outage Count	Customer Minutes	SAIFI	CAIDI	SAIDI	MAIFI	Lockout Count	CRI	Remedial Action Taken or Planned	Date Remedial Work is Scheduled	Date Remedial Work is Completed
WESTFIELD	00635-63	553	9	547,973	6.13	162	991	21.13	3	410	Circuit inspected: fuse installations and minor circuit rehab are pending. Line work completed March 2005. Project is 100% complete.		Mar-05
ERIE SOUTH	00259-31	2,307	50	2,008,072	5.57	156	870	28.95	2	407	Circuit to be reviewed for coordination and rehab. Engineering 70% completed in March 2005.	Oct-05	
STRODES MILL	00113-81	460	19	297,556	4.06	159	647	24.38	4	402	Circuit inspected: fuse installations and minor circuit rehab are pending. Line rehabiltation and protection issues being addressed in field. Construcion work 90% complete .	Oct-05	
HONEY GROVE	00134-83	449	20	148,156	1.43	231	330	50.15	0	397	Spot tree trimming required and circuit was reviewed for coordination issues. Priority tree trimming completed. Additional spot tree trimming and line work required.	Jan-06	
BELLVLE NEW HOLLAND	00172-81	1	2	1,242	2.	621	1,242	13.00	0	395	Supply circuit rehab work to be completed as an AEC "D" line project. Line department 90% complete.	Oct-05	
PUNXSUTAWNEY	00625-23	347	19	254,687	5.59	131	734	33.58	1	394	Circuit to be reviewed for coordination and rehab.	Jan-06	
GROVER	00527-63	1,142	65	1,396,966	5.67	216	1,223	10.12	4	393	Circuit to be reviewed for coordination and rehab.	Jan-06	
DRAKE	00378-51	136	10	129,858	3.21	297	955	29.76	1	391	Circuit to be reviewed for coordination and rehab. Engineering complete in March 2005.	Oct-05	
MCCONNELLSTOWN	00099-82	735	15	803,342	1.94	563	1,093	17.49	0	390	Non-preventable tree caused outage, spot tree trimming complete. No further action required.		Apr-05
SOUTH TROY SUB	00560-63	162	20	312,654	6.12	315	1,930	18.77	0	387	Circuit to be reviewed for coordination and rehab.	Jan-06	
CRANBERRY	00349-51	178	15	68,959	3.38	115	387	36.89	2	376	Circuit to be reviewed for coordination and rehab. Engineering complete in March 2005. Line construction 50% complete in March 2005.	Oct-05	
MORGAN STREET	00476-52	899	28	914,365	4.87	209	1,017	10.45	4	372	Circuit to be reviewed for coordination and rehab.	Jan-06	
TITUSVILLE WEST	00395-51	689	24	632,949	4.04	227	919	26.97	1	366	Circuit to be reviewed for coordination and rehab.	Jan-06	
CANTON	00569-63	280	16	165,111	0.84	703	590	4.88	0	361	Minor storm rehabilition completed. AEC project to be completed in 2005 for line section from the Canton Substation to the Leroy delivery.	Jan-06	
MOSS CREEK	00048-72	40	6	70,363	4.	440	1,759	7.00	1	357	Non-preventable tree caused outage, spot tree trimming complete. No further action required.		Apr-05
BELLEVILLE	00124-81	540	22	791,494	3.68	398	1,466	16.78	0	355	Supply circuit rehab work to be completed as an AEC "D" line project. Line department 90% complete.	Oct-05	
FRIEDENS	00401-12	117	2	70,843	1.02	595	606	6.95	1	355	Minor storm rehabilition, no follow-up work required.		Apr-05

Penelec
5% Worst Performing Circuits
1st Quarter 2005

Attachment A

Substation Desc	Circuit Desc	Average Customers Served	Outage Count	Customer Minutes	SAIFI	CAIDI	SAIDI	MAIFI	Lockout Count	CRI	Remedial Action Taken or Planned	Date Remedial Work is Scheduled	Date Remedial Work is Completed
COCHRANTON	00496-52	944	32	1,585,340	3.81	441	1,679	6.38	1	350	Circuit to be reviewed for coordination and rehab. Engineering complete in March 2005.	Oct-05	
CAMBRIDGE SPRINGS	00205-52	162	14	71,802	2.32	191	443	30.01	2	349	Circuit to be reviewed for coordination and rehab. Engineering 90% completed in March 2005.	Oct-05	
CROWN	00320-51	457	14	411,597	3.68	244	901	18.06	2	345	Circuit to be reviewed for coordination. Engineering completed March 2005.	Oct-05	
UTICA JUNCTION	00331-51	681	24	755,845	2.64	421	1,110	7.04	2	343	Circuit to be reviewed for coordination and rehab.	Jan-06	

MetEd

Public Meeting Report

Meeting Information

Municipality/Group:	Middletown
Location:	Louis and Shelley McCloskey home
Date/Time:	February 11, 2005 - 3:00 pm
MetEd Circuit:	673-2
MetEd Attendees:	Dan Logar (Area Manager Lebanon)
Public Attendees:	Shelley McCloskey, Wendy Aksu, Donette Ames, and Gene Shue

Background / Issues

Dan Logar opened the meeting by providing Mrs.McCloskey with a copy of her formal complaint. He presented information listing the reliability improvements completed on her circuit, the Met-Ed preventive maintenance program, and a list of sustained outages over the past 2 years. He pointed out that most of the outages were weather related. He also provided a list of outage causes in the Met-Ed territory and the average number of outages annually by cause.

Several of the reliability improvements were discussed in detail – tree trimming, fuse installation on branch circuits, splitting the 673-2 circuit into two circuits, replacing spacer cable with cross arm construction, squirrel guards and how they improve reliability. All the reliability work was completed prior to the meeting. Dan Logar also described what a customer would experience when a breaker or recloser operated.

The discussion shifted to line patrols. Dan Logar verified that Met-Ed does perform periodic line patrols and the reasons for them – restoration, identify areas for spot trimming, identify additional line improvements.

Met-Ed's restoration procedure was the last topic. The customers in the neighborhood believe they are always last to be restored. Dan Logar explained Met-Ed's "cut and run" procedure and how we prioritize restoring customers after a storm. He also reviewed servicemen staffing, their duties, and the 16/8 work rule that was implemented in 2002.

All of the customers in attendance were pleasantly surprised that the power remained on during recent windy weather.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Mrs. Shelley McCloskey agreed to a Certificate of Satisfaction	Melanie Hart and Ryan Russell Legal team	2-14-05	2-14-05 - Certificate of Satisfaction filed with the PUC

MetEd

Public Meeting Report

Meeting Information

Municipality/Group:	Briarwood Development, Carlisle Pa.
Location:	Carlisle Area Elementary School, 151 N Dickinson Rd, Carlisle
Date/Time:	March 7, 2005 7: 00 p.m.
MetEd Circuit:	742-4
MetEd Attendees:	Jim Sarver (Engineer), Dan Logar (Area Manager Lebanon), Bill Zewe (Hanover Operations Manager), Ernie Waters (Area Manager York)
Public Attendees:	Tanya McCloskey resident of Briarwood and staff member of OCA, Bob Andrew and 53 other residents of Briarwood

Background / Issues

During 2003 there were 7 outages that affected the residents of Briarwood. Our records show that during 2004, outages were reduced to one in November. On Feb 6, 2005, Superbowl Sunday, residents experienced a outage that lasted 10 hours. The outage occurred on a clear day and was caused when a span of wire broke. The outage was extended when equipment from the Hanover office bogged down in a muddy corn field and had to be retrieved. The outage was extend further while a four wheel drive bucket truck was obtained from York.

In response to several reliability complaints, the York Area Manager offered to host a meeting to discuss plans to improve the circuit, if residents set a time and place for the meeting. With the assistance of Bob Andrew , a resident, the offer was communicated to residents and a meeting was arranged. Notices of the meeting were place with local papers and a radio station.

At the meeting the two year outage history was reviewed. Residents felt our records understated outages for 2004. Work performed in 2004 was reviewed. Residents were informed that as a result of the outage of 2/6/05, on 2/10/05 the entire 37 mile circuit was patrolled and 13 items of repair were identified. In addition the five spans of wire involved in the 2/6/05 outage were inspected again with thermal vision (which showed no problems) and again by visual inspection in a raised bucket truck. The visual inspection above the line revealed that all five spans of wire were in need of replacement.

Residents voiced dissatisfaction with the IVR system. In particular, the inability to speak with a person, even on clear days when lines should not be flooded with calls. Residents also criticized repeated grossly inaccurate estimated restoration messages. Instruction was provided as to how to reach a person from the menu and a preview was provided

covering features of the new IVR system under development.

The meeting was closed with a review of the numbers to be used to execute various transactions with the company.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Complete 13 items of repair: 2 pole tops, replace 2 poles, install 5 lightning arresters, replace 1 crossarm, replace 1 insulator, 1 guy wire and fix 1 loose ground.	Bill Zewe	4/30/05	3/20/05
Install switch to create alternate feed to Adams Road area until main line can be relocated to Rockledge Road	Bill Zewe	4/30/05	4/21/05
Relocate 5 spans of cross country line to road way along Rockledge Road	Bill Zewe	12/31/05	

Penelec

Public Meeting Report

Meeting Information

Municipality/Group:	Treasure Lake Property Owners Association (POA)
Location:	Treasure Lake Country Club
Date/Time:	1/18/2005 @ 10 AM
Penelec Circuit:	00134-23
Penelec Attendees:	Bill Uhlig - Customer Support
	Bill Wilt - Planner/Scheduler
Public Attendees:	Matt Begley, General Manager
	Paul Miller, Engineer
	Cheryl Adams, Property Control Officer

Background / Issues

Treasure Lake is a gated community that has approximately 2,000 Penelec Customers. During the Ice storm that occurred in early January, some sections of Treasure Lake were restored rather quickly while others were not. Bill Wilt had given the POA a copy of the "Storm Process" video earlier and discussion at this meeting included the Penelec Storm Process and "staged restoration". An explanation of Penelec's outage management system, "Power-On" was provided and the POA was encouraged to remind all property owners that it is important to call Penelec, rather than the guard house to report power outages so that Penelec's system can better predict the trouble location and so that all customers can be restored as quickly as possible. Furthermore, customers should request a call-back to assure that all customers have been restored.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
1. Penelec will prepare a document that can be inserted into the POA newsletter to provide residents with the proper procedure to report outages and an explanation of Penelec's Outage Restoration process.	Bill Uhlig	March	3/16/05 (see attachment)

Attachment

Preparing for Major Outages
Penelec begins preparing for major outages long before they hit. Our employees are well trained to safely perform their roles as field crews and in storm management. Penelec's computerized Outage Management System (OMS) is always ready to track and process customer outage calls when a storm hits. The OMS enables us to organize repair efforts and restore power as quickly and efficiently as possible.

Additionally, while our employees are more than capable of handling most outages, Penelec has pre-arranged mutual assistance relationships with neighboring electric utilities to help us restore power more quickly in the most extreme outage situations. They help us, and we help them, as needs arise.

With these preparations in place, dispatchers at Penelec's regional Distribution and Transmission Operations Centers monitor weather forecasts from the National Weather Service and other sources around the clock. They watch for early signs of storms that may damage our lines or equipment, causing outages.

When Storms Threaten
When severe weather is forecast, we activate formal readiness plans to ensure plenty of service crews are prepared to tackle the storm's damage. Additional linemen, dispatching staff and other field personnel usually are put on alert, too, ready to be mobilized if needed. We also increase Contact Center staffing, bringing in more Customer Service representatives to handle a potentially large volume of customer calls.

Penelec's Outage Management System
Calls to our Outage Reporting Line and outage reports handled by our Contact Center representatives are entered into our Outage Management System (OMS). This system automatically evaluates the pattern of reported outages and determines the likely location of the trouble. Based on this information, the regional dispatcher sends a crew to the probable trouble location to determine the extent of the problem and repair it as quickly and safely as possible.

The OMS works best when it receives plenty of information to analyze. Report your power outage to Penelec, not to the Treasure Lake guardhouse, as those calls do not get entered into the OMS. To report that you are out of power, call our **Outage Reporting Line, 1-888-LIGHTSS (1-888-544-4877).** Even if a neighbor has already reported power being out, you also should call Penelec. The more reports we receive, the more accurately we can determine the extent of the outage and its cause.

When initially reporting an outage, you will be asked if you would like a callback when Penelec has made repairs to the circuit in your area to ensure that power to **your** home has been restored. Occasionally there may be more than one problem location where repairs are needed. By requesting a callback, you will help Penelec determine that smaller scale problems may still exist and accelerate restoration efforts.

Prioritizing Restoration Activities
Storms may damage a variety of electrical facilities, affecting our customers in different ways. Power may be knocked out to large numbers of residential customers. Or, an outage may involve hospitals, police and fire departments, water pumping stations, schools, and other important public facilities.

When an outage is widespread, restoring power to all affected customers at the same time may not be possible. Generally, Penelec service crews first must restore transmission and substation facilities, since they supply power for local distribution systems. Next, we give priority to hospitals, critical care and life support facilities, communications facilities, and emergency response agencies. After that, crews work to restore power as quickly as possible to the rest of our customers.

Occasionally, customers may wonder why crews drive past their homes instead of stopping to restore their power. Especially early in a storm's aftermath, our linemen often are responding to hazardous situations or high-priority damage locations.

In the early phases of storm restoration, our primary focus is to find areas with electrical hazards - such as downed (and potentially energized) wires and related electrical equipment - and make them safe. At such times, linemen focus on isolating these hazards.

Once that is accomplished, crews begin to repair lines that supply power to crucial public safety facilities or large areas or groups of customers. A line may be damaged in multiple locations, or at some distance from those who are out of service. The linemen, tree crews, or other workers you see may be on their way to make higher-priority repairs, which must be completed before damages closer to your location can be fixed.

After local power lines are repaired and put back in service, damage to individual customer service wires may become apparent. If your neighbor's power is restored and yours is not, the problem may be isolated to your individual service. It may be appropriate to report these problems to Penelec, even if it is later in the restoration process.

Managing Tree Damage During Storm Restoration

In a major storm, fallen trees and limbs must be quickly and safely cleared sufficiently for our crews to repair and re-energize damaged lines. This clearing effort represents a significant portion of our work after a storm.

Under no circumstances should you attempt to remove trees or debris from power lines. For safety's sake, stay well clear of downed trees, limbs, or debris that might be in contact with energized lines. Left over debris can be cleaned up later, after repairs have been made and service restored.

Mobilizing Additional Crews for Major Storms

Penelec's local service center crews usually handle less-extensive storm damage in their own areas. For larger outages, we can call out employees from our surrounding service centers or bring in crews from other FirstEnergy operating companies. FirstEnergy also may supplement our own crews with personnel from local contractors. In the most severe cases, workers may be requested from neighboring electric companies through mutual assistance relationships.

Penelec

Public Meeting Report

Meeting Information

Municipality/Group:	Wyoming County Emergency Management Agency
Location:	Robinson Building, Tunkhannock, PA
Date/Time:	*February 28, 2005 10:00 AM*
Penelec Circuit:	N/A
Penelec Attendees:	Jody Place, Area Manager
	Scott Johnson, Manager of Operations
	Mark Srebro, Tunkhannock District Line Operations
Public Attendees:	Eugene Dziak, Executive Director
	David Carichner, Director of Operations

Background / Issues

Eugene Dziak is the new Executive Director for the Wyoming County EMA. Eugene has expressed some concerns over Penelecs response times to some incidents in the past. Jody Place, Area Manager, initiated a meeting to discuss his concerns. The meeting was an opportunity to meet and share information regarding the Company's focus on Public Safety and Reliability.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
N/A			

Penelec

Public Meeting Report

Meeting Information

Municipality/Group:	Punxsutawney Borough Public Safety Committee
Location:	Punxsutawney Borough Building, Mahoning St. Punxsutawney
Date/Time:	3/8/2005 @ 6:30 PM
Penelec Circuit:	00118-23
Penelec Attendees:	John Shimko
Public Attendees:	Mary Neal, Roger Steele, Ben White, Bob Reesman, Tom Fedigan, James Werhle, Donna Lellock

Background / Issues

Committee exists for borough residents to voice concerns about issues that may affect public safety. Committee concerned about the number of street lights that have been out in the borough recently.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
1) A spread sheet has been created to track the number and location of SL's reported out in the borough and the date that tose lights are repaired. The spread sheet is to be emailed to the police chief and the borough manager once a month.	John Shimko	10/2004	Ongoing
2) The borough police fax a list of SL's that need repaired to Penelec as necessary. The list includes the address and pole # of the affected light. Pole # tags for the steel poles on Mahoning St. are not displayed. A list of pole #'s for these poles will be given to the borough.	John Shimko	ASAP	3/8/2005
3) Borough residents are being asked to report street lights that are out to the police.	Borough Council, Radio & newspaper	ASAP	

Penelec

Public Meeting Report

Meeting Information

Municipality/Group:	20 Cambria County Municipalities - County Commissioners - Rep Gary Haluska and Area Business Leaders participated in the "Johnstown Chamber of Commerce Elected Officials Forum".
Location:	Summit Country Club - Cresson, Cambria County
Date/Time:	3/31/05 - 6:30 pm - 8:30 pm
Penelec Circuit:	N/A
Penelec Attendees:	Murphy Montler, Clair Ciaverella, Walter Mitchel, Beverly Green, Raymond Kohler, Raymond Mielnik & James Haas
Public Attendees:	Cambria County Municipal elected officials, County Commissioners, State Rep. Gary Haluska & Area Business Leaders

Background / Issues

Murphy Montler made a presentation on several of Penelec's key reliability initiatives. The presentation highlighted Penelec's pole inspection program, sectionalizing equipment maintenance, installation of cut-outs, tree trimming, trouble truck coverage, PSI school, FE's investment in technology and the rapid deployment of FE resources to support Penelec during storm events.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
N/A			

Penelec

Public Meeting Report

Meeting Information

Municipality/Group: Lakemont Volunteer Fire Company
Location: Lakemont Fire Co., Altoona , PA
Date/Time: 3.16.05
Penelec Circuit:
Penelec Attendees: Beverly Green, Ed Carmack
Public Attendees: Walt Delozier, Fire Co. Chief and 15 volunteer firemen

Background / Issues

Fire company has several new firemen and we were asked to review first responder information and answer any questions the firemen may have.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
(1) Reviewed FE Storm Process and the various groups; hazard responders, damage assessors, etc. and discussed first responder actions. Discussed how a call is processed once received from 911. Ed Carmack brought various pieces of material such as insultators, different wire sizes, hot stick, fuses. We reviewed identifying various pieces of material. Disussed how to provide an accurate location by using pole numbers or near by intersections or addresses. Provided First Responder and Contractor Beware videos for their future use. Offerred for them to call any time they have questions or would like follow-up meetings.	Beverly Green		Ongoing

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group:	Mercer County Regional Council of Governments
Location:	RD #1 Virginia Rd - Hermitage Pa 16148
Date/Time:	02/15/05
Penn Power Circuit:	W - 260
Penn Power	Chuck Jackson - Customer Support Dept
Attendees:	Tony Zucco - Area Manager
Public Attendees:	Tom Tulip - Exec Director - Council of Governments (COG)
	Jim DeCapua - Retiring Director of COG
	Bill Jones - COG Transit Manager

Background / Issues

Mercer County COG runs the transit system for Mercer County and requested a meeting to see what changes they could make to improve their energy efficiency and also if they could reduce their overall monthly electrical bills. During that meeting, they conveyed to Penn Power that they had experienced outages to one of their phases and asked for an explanation.

Research found they had experienced 7 outages total in 2004. 3 outages were due to animal contacts and 4 were lockouts. Engineering had already reviewed their circuit history and has scheduled for line dept to reconductor the line in the last quarter of 2005. They expect that this will improve reliability on this circuit.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Reconductor on W- 260	Line Dept - Visingardi	4th Qtr 2005	to be completed

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group:	Stateline Industrial Park
Location:	City of Hermitage - Ohio & Stateline Rds.
Date/Time:	02/09/05
Penn Power Circuit:	W- 150 & X - 30
Penn Power	Tony Zucco - Area Manager
Attendees:	John Wittmann - Engineering Dept
Public Attendees:	Philip Bishop - CEC Consultants
	Larry Reichard - Exec Director - Penn NorthWest Dev Corp

Background / Issues

Stateline Industrial Park is owned by Penn NW Dev Corp in partnership with the City of Hermitage. The State of Pa has recently approved over $1.4 million in grants/loans to help develop infrastructure for the new park. As part of the planning process, they asked for an update on the reliability of the electrical service in the area as they were concerned about reports they had heard.
The x-30 line out of Masury had some operations in the past year during storm season and engineering and line dept had already made some improvements that we made Penn NW and their consutlants aware of. They seemed pleased.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Install new gang operated sectionalizing switches	J Wittmann/Line Dept	02/2004	02/2004
Install new switches at Mercer Company Tap	J Wittmann/J Visingardi	April 2004	April 2004

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group:	Cranberry Twp. Administration Group
Location:	2525 Rochester Road - Cranberry Twp., Pa. 16066
Date/Time:	02/15/05
Penn Power Circuit:	W-707
Penn Power	Michael J. St. Esprit - Customer Support Dept.
Attendees:	Bart L. Spagnola - Area Manager
Public Attendees:	Jerry A. Andree - Township Manager
	Vanessa W. Gleason - Finance Director
	Martin McKinney - Manager of Utilities

Background / Issues

This meeting was set up as an informational meeting that I have with all my communitees throughout the year and also to discuss consolidated billing for their sixty plus accounts. During the meeting Mr. Andree mentioned that he was concerned about outages that occurred along Rochester Road and Commonwealth Drive in 2004. Rochester Road is mostly retail and offices and Commonwealth is part of the RIDC Industrial Park. Company records show that this area experienced 4 outages in 2004. Three outages were due to lockouts and one was due to a primary wire down. A new circuit was built out of the Epworth Substation last year and by the end of the 2004 load was reduced on circuit W-707 and placed on this new circuit. Also, the area where we had the most problems was reconductored in the last quarter of 2004. This balancing of load is expected to improve the reliability in this area.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Built new circuit	J. Visingardi-Line Mgr.	3rd & 4thQtr 2004	complete first week of December 2004

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group:	*City of New Castle - Mayor and City Manager*
Location:	230 North Jefferson Street - New Castle, Pa. 16101
Date/Time:	02/24/05
Penn Power Circuit:	Transmission Lines feeding City Substations
Penn Power Attendees:	Bart L. Spagnola - Area Manager
Public Attendees:	Mayor Wayne Alexander - City Consultant, John DiMuccio

Background / Issues

This meeting was set up for the Mayor to update Penn Power on the next phase of the Downtown Renovation Project that will begin in April. Once this discussion was complete, I decided to give the Mayor and his Consultant an update on the outages that have occurred this year, what caused the outage, what repairs have been completed and the upgrades scheduled for this year. Several substation outages occurred in and around the city in 2005, each time leaving a large number of customers without power. The outages were the result of either animals, storms or equipment failures on the Transmission Line that supplies power to the four city substations. Inspection of Transmission Line Y-194, that feeds the city circuits, found items in need of repairs and upgrades; broken crossarms, broken braces, bad insulators, static lines and anchors. All items found that were considered critical to the reliability of the system were repaired immediately. The remaining items, not considered an emergency, will be upgraded once design work is complete and scheduled by the line department.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Upgrade Transmission Line Y-194	J. Visingardi - Line Mgr.	2nd. & 3rd Qtr. of 2005	

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group:	Springfield Township -Mercer County
Location:	Township Hall - 1791 Perry Highway
Date/Time:	03/07/05 - 7:30 pm
Penn Power Circuit:	W-121 and Y-10
Penn Power Attendees:	Tony Zucco - Area Manager
Public Attendees:	Randall Magee - Chair - Twp Supervisors John Addison & Judy Hassler -Twp Supervisors Pat Wimer - Twp Secretary

Background / Issues

While attending a township council meeting, afterwards the topic of reliability came up due to call that Pat Wimer had made to Tony Zucco during a storm in 2004. So we discussed what actions Penn Power/First Energy is taking to improve reliability. We discussed some reconductering that is taking place on W-121 on Cribbs Rd this week. We also discussed some tree trimming that is taking place on Y-10 and an upcoming job to relocate some poles on st rt 208 due to a widening job being done by Penn DOT. Council was pleased to learn about the work being performed.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Forestry trimming/clearing on Y-10	Forestry	2005	
W-121 Cribbs Rd Reconductering	Line Dept - Visingardi	1st Qtr 2005	

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group:	Cranberry Area Chamber of Commerce - Board of Directors
Location:	2525 Rochester Road - Cranberry Twp., Pa. 16066
Date/Time:	03/08/05 - 3:30pm
Penn Power Circuit:	W-707 - W- 718 - W-719 - W- 757
Penn Power Attendees:	Bart L. Spagnola
Public Attendees:	K. Geyer, Ex. Director, D. O'Brien, M. Hall, R. George, K. Colonna, all local business owners - L. Engle, Twp. Secretary

Background / Issues

The Cranberry Chamber consists of 460 business members in and around the Cranberry Area. In 2004 we experienced several outages in this business community which were caused by animals, storms and equipment failure. To help these business owners better understand our companies outage process, I provided an update, at the March Executive Board Meeting, explaining what caused these outages, the work completed in 2004 and upgrades scheduled for 2005 to improve reliability in the Cranberry Area. The new Adams Substation that was placed on line in the summer of 2004, which will reduce load on circuits in our Epworth and BMF Substations. I also explained how we inspect each circuit and plan upgrades according to priority. In 2005 several regulators will be switched to higher amperage to handle the sustained load growth of 2% in this area.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Adams Substation	Substation Dept. B. Zeigler	2nd Qtr.	06/21/04
CRI - Fusing-to sectionalize lines	Line Dept. J. Visingardi	2004 2nd &	
Regulator Upgrades	Line Dept. J. Visingardi	3rd Qtr. 2nd & 3rd Qtr.	

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group:	Lawrence Co. Chamber of Commerce - Annual Dinner
Location:	The Scottish Rite Cathedral - Lincoln Ave., New Castle, Pa.
Date/Time:	03/09/05 - 6:00pm
Penn Power Circuit:	Transmission Circuits - Y-194, Y-191
Penn Power Attendees:	Bart L. Spagnola
Public Attendees:	D. Wehr, Rep. LaGrotta's Office - E. Bentkowski, Manager of Liberty Mutual Ins. - T. White, Jameson Hospital

Background / Issues

During the Lawrence Co. Chamber Annual Dinner, I was asked by the Managers that run businesses along Wilmington Road in New Castle and Neshannock Twp. why they have seen several outages in the last year. Liberty Mutual has backup generators that came on three times last year. Jameson Hospital has dual feeds into the hospital from separate substations. After researching the circuits that feed these two commercial businesses, I found that the outages they experienced last year were due to problems on our transmission lines. Research found that these outages were caused by animals, insulator failures and broken crossarms. Those items that were considered critical to the system were repaired immediately the remaining items, not considered critical, will be upgraded once design work is completed. These upgrades should improve the reliability on these lines and prevent outages in the future.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Replace all insulators on Y-194	Line Dept. - J. Visingardi	End of August 2005	
Replace Bad Poles, Crossarms and broken braces on X-21 and Y-191	Line Dept. - J. Visingardi	2nd Qtr. 2005 - 90% of work complete	

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group:	Lawrence County Economic Development Corporation
Location:	Plaza South Suite 100 - New Castle, Pa. 16101
Date/Time:	03/16/05 @ 12:00pm - Monthly Luncheon
Penn Power Circuit:	Transmission Line Y-194
Penn Power Attendees:	Bart L. Spagnola
Public Attendees:	Lawrence County Commissioners - E. Fosnaught, S. Craig, - R. Delsignor, LCEDC President, L. Nitch, LCEDC Executive Director

Background / Issues

We had experienced an outage on this transmission line on 3/11/05 that lasted aprox. 3 hours. On the morning of 3/16/05 we experienced a very short outage on the same line. When I arrived at my board meeting, the first person I met asked about the short outage we had this morning. Before the meeting came to order I ask the Chairman if I could have a few minutes to update the board on the two outages that we recently experienced. I explained that that a broken crossarm had caused the outage on 3/11/05 when the transmission line dropped and came in contact when a distribution line. The the short outage on this day, 3/16/05, was the result of a recloser that locked open for 15 minutes and then closed. I explained that in both situations the problem was located and the failed equipment was replaced immediately. We have reviewed this transmission line from end to end and all critical items have been repaired. We are currently scheduling work on this line that will result in upgrades of poles, crossarms and insulators in the very near future. All these items have been reviewed and none are critical at this time, however there are signs of wear on some equipment, which will be upgraded as scheduled.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Replace all insulators on Y-194 - Replace worn poles, crossarms and braces where needed.	Line Dept. - Jim Visingardi, Line Manager	2nd and 3rd of 2005	

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group:	Lawrence County Commissioner
Location:	The Cathedral - Emergency Management Center
Date/Time:	03/28/05 @ 9:30am
Penn Power Circuit:	
Penn Power Attendees:	Bart L. Spagnola
Public Attendees:	Daniel Vogler, County Commissioner - Brian Melcer, Public Works Director

Background / Issues

I met with Commissioner Vogler and Director Melcer to discuss outages that occurred on 3/11/05 and 3/16/05 in the New Castle Area. The first outage was the result of a broken crossarm on our transmission line the feeds four substations around the City of New Castle. The second was a switching device that opened and closed causing a very short interruption, three minutes. In both situations the problem was investigated, found and repaired immediately. I explained the upgrade work that has started on transmission lines around the New Castle area and what is scheduled for 2005. All the transmission lines have been surveyed and emergency work is being done when found and non-emergency items will be designed and scheduled for repair. These upgrades of transmission lines should improve the reliability and prevent outages in the future.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Replace all insulators on Y-194	Line Dept. - Jim Visingardi	End of 3rd Qtr.	
Replace Bad Poles, Crossarms and Broken Braces on X-21 and Y-191	Line Dept - Jim Visingardi	End of 2nd Qtr.	

Met-Ed
A FirstEnergy Company

Meeting Date/Place:
November 24, 2004 at the Voith-Siemens offices in York, PA.

Met-Ed Representatives:

Met-Ed, a FirstEnergy Company	
Chris Wagman	Senior Cust. Support Specialist
Andy Hunter	Director-Operation Services
Walt LaSota	Director-Operation Support
Rick Schroth	Director-Customer Support

Met-Ed Customer Attendees:
Eleven customers representatives from five local companies

Comments/Action Items:

Voith-Siemens indicated they have assemble the information to file a claim for damages; other claims may also be filed. As of 4/26/05 Voith-Siemens has not made a claim with Met-Ed.

The customers asked for a quarterly update of the 574 line and 591 line reliability performance. Chris Wagman will e-mail the information to the customers. On 12/1/05 an email detailing the CRI metric was forwarded to all five companies. The 1st quarter of 2005 results will be emailed by 5/6/05.

Met-Ed advised the group that the reliability projects on the 574 line and 591 line will be completed during the first quarter of 2005. The customers requested an update when these projects are completed. Chris Wagman will e-mail updates to the customers.
The email was send to all five companies on 2/16/05. The email included this information:

The work on 591 line was completed as of December 14, 2004:
1) Replaced failed lightning arrestors on a switching structure;
2) Installed cutouts and fuses on a three-phase spur to reduce outages on the main line;
3) Replaced crossarm that appeared to be of questionable integrity.

The work on 574 line was completed as of December 22, 2004:
1) Installed cutouts and fuses on 4 spurs to reduce outages on the main line;
2) Installed animal guards;
3) Repaired guying at two locations;
4) Replaced failed lightning arrestor;
5) Repaired grounding lead;
6) Replaced crossarm that appeared to be of questionable integrity.

Voith-Siemens requested Met-Ed to "automate" the transfer scheme between 574 line and 591 line affecting Voith-Siemens, and several other customers. Met-Ed committed to review this and other reliability enhancements, and then respond to Voith-Siemens within the first quarter of 2005. The estimated work order cost to the customer cost would be $72,000 (including taxes) to install remote control switches between 574 line and 591 line so that they could be restored by the dispatcher. This was emailed to them on 2/16/05

Met-Ed
A FirstEnergy Company

Meeting Date/Place:
December 8, 2004 at 2:30 PM at the Advanced Carbon facility in Topton, PA

Met-Ed Representatives:

Bob Gallo	Advanced Customer Service Specialist
Mary Beth Smialek	Area Manager
Andy Hunter	Director-Operations Services
Walt LaSota	Director-Operations Support
Rick Schroth	Director-Customer Support

Met-Ed Customer Attendees:
Eleven (11) customers. Seven from local companies, two from the Borough, one from the school district, and Rep. James Gerlach from the U.S. House of Representatives.

Comments/Action Items:

Discussed outage history and documentation. Completed 12/8/04.
Discussed planned maintenance of transmission, distribution, and substation. Completed 12/8/04

Provided contact numbers for outages. Completed 12/8/04.

Complete tree trimming by December 15, 2004. Communicated 12/8/04.

Install voltage-monitoring equipment in early January 2005. Installed 12/15/04 for a 60-day period. Removed 2/15/05.

Communicate the results of the monitoring by March 2005. Not completed. Several attempts were made to schedule a meeting after 30 days of monitoring and again after 60 days of monitoring to discuss the results. The key customer, Advanced Carbon, finally agreed to meet on 5/05 once their independent consultant had time to review the results.

Provide an outage log by January 7, 2005. Completed 12/15/04.

Review history for any outages that occurred on November 12, 2004 and communicate findings by December 30, 2004. Completed 12/13/04 by email.

Customer will provide furnace run sheets to Met-Ed. As of 4/26/05 customer has not provided run sheets and has been unwilling to meet with Met-Ed other than to share monitoring results.

Penelec

Public Meeting Report

Meeting Infomation

Municipality/Group:	Borough of Centerville
Location:	Borough of Centerville Fire Hall
Date/Time:	November 1, 2004 7:00PM
Penelec Circuit:	00206-43
Penelec Power Attendees:	Melvin Witherspoon, James Napier, Joleen Hindman, Jacquie Roth
Public Attendees:	Mayor Bruce Drake, Daniel Process-Borough President, and 4 residents of Centerville

Background Issues

Meeting was held to address reliability concerns in Centerville and some forestry concerns regarding stump removal.
Penelec representatives presented the reliability work that has been completed to date as well as the future plans for reliability work. Additionally a review of the FirstEnergy forestry process was reviewed and discussed. Joleen Hindman reviewed the IVR process for reporting outages and how calls are processed during a storm situation.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Fusing recommendations	**Jim Napier**		
Tree Trimming Completion and stump removal review with Mayor	**Jim Napier**	**11-05-04**	**Tree Trimming: 11-05-04 Review with Mayor comp. 11-8-04**

PennPower
A FirstEnergy Company

Public Meeting Report

Meeting Information

Municipality/Group:	Sharpsville Boro
Location:	1 South Walnut St Sharpsville Pa
Date/Time:	7/12/04
Penn Power Circuit:	Y-81
Penn Power Attendees:	Tony Zucco
Public Attendees:	Mike Wilson – Boro Mgr Ken Robertson –Mayor Council members – Kovach, Piccirelli, Moderelli, Grady, Cardwell, Anglin, Lally and Mr. Joseph – Solicitor. Approx 5 unidentified residents of Sharpsville were in attendance.

Background/Issues

Complaints centered on the outage occurrences in the Boro of Sharpsville. A review of the circuit showed 8 outages in the past year. Out of 8 outages, 4 were due to extreme storm conditions, 2 were due to direct lightning hits, while 1 was a momentary and 1 was an unknown cause. Due to 6 of the 8 outages being weather related, it was agreed upon that it was an unusual year and to continue to monitor to see how things continued during rest of year.

Action Plan

Item:	Assigned To:	Date Due:
We would monitor outages the next 6 months to see if frequency of outages diminished.	**J Wittmann**	**January 2005 –** (in a review of the circuit, John found only one outage since our visit in July. It was on 10/16/04 for 6 minutes.) Tony Zucco spoke with Mike Wilson on 02/03/05 – Customer was pleased with improvement.