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Statewide Summary

The 2005 reliability data submitted by the EDCs indicates that two EDCs failed to meet their rolling 12-month performance standards for CAIDI and four EDCs failed to meet their rolling 12-month SAIFI and SAIDI performance standards. Six EDCs' performances were better than their CAIDI benchmarks and five were better than their SAIFI benchmarks. The following table provides actual 2005 reliability performance for each EDC and the benchmarks and standards for each reliability index.

Customer Average Interruption Duration Index (CAIDI)			% Above (+) or	% Above (+) or	
EDC	2005	Benchmark	Standard	Below (-) Standard	Below (-) Benchmark
Allegheny Power	195	170	204	-4.4%	14.7%
Duquesne Light	98	108	130	-24.6%	-9.3%
Met-Ed (FE)	122	117	140	-12.9%	4.3%
Penelec (FE)	151	117	141	7.1%	29.1%
Penn Power (FE)	151	101	121	24.8%	49.5%
PECO	99	112	134	-26.1%	-11.6%
PPL	125	145	174	-28.2%	-13.8%
UGI	119	169	228	-47.8%	-29.6%
Citizens	116	105	141	-17.7%	10.5%
Pike County	109	174	235	-53.6%	-37.4%
Wellsboro	105	124	167	-37.1%	-15.3%
System Average Interruption Frequency Index (SAIFI)				% Above (+) or	% Above (+) or
EDC	2005	Benchmark	Standard	Below (-) Standard	Below (-) Benchmark
Allegheny Power	1.15	1.05	1.26	-8.7%	9.5%
Duquesne Light	0.98	1.17	1.40	-30.0%	-16.2%
Met-Ed (FE)	1.70	1.15	1.38	23.2%	47.8%
Penelec (FE)	1.87	1.26	1.52	23.0%	48.4%
Penn Power (FE)	1.56	1.12	1.34	16.4%	39.3%
PECO	1.02	1.23	1.48	-31.1%	-17.1%
PPL	0.97	0.98	1.18	-18.1%	-1.4%
UGI	0.64	0.83	1.12	-42.9%	-22.9%
Citizens	0.10	0.20	0.27	-63.0%	-50.0%
Pike County	1.85	0.61	0.82	125.6%	203.3%
Wellsboro	1.37	1.23	1.66	-17.5%	11.4%
System Average Interruption Duration Index (SAIDI)				% Above (+) or	% Above (+) or
EDC	2005	Benchmark	Standard	Below (-) Standard	Below (-) Benchmark
Allegheny Power	224	179	257	-12.8%	25.1%
Duquesne Light	97	126	182	-46.7%	-23.0%
Met-Ed (FE)	209	135	194	7.7%	54.8%
Penelec (FE)	284	148	213	33.3%	91.9%
Penn Power (FE)	236	113	162	45.7%	108.8%
PECO	100	138	198	-49.5%	-27.5%
PPL	121	142	205	-41.0%	-14.8%
UGI	76	140	256	-70.3%	-45.7%
Citizens	12	21	38	-68.4%	-42.9%
Pike County	202	106	194	4.1%	90.6%
Wellsboro	144	153	278	-48.2%	-5.9%

Note: GREEN = better than benchmark; RED = worse than standard; BLACK = between benchmark and standard.

Pike County Light & Power Company

Pike County is the westernmost portion of Orange & Rockland's Northern Operating Division. This area is fed from two 34.5 kV radial circuits. Thus, sustained interruptions are usually smaller, affecting fewer customers, and will take a longer amount of time per customer to restore service.

On June 9, 2004, Pike County filed comments to the Commission's Order¹ of May 11, 2004, which were treated as a petition to amend its benchmarks.² Pike County submitted that the five years of data used to establish reliability benchmark values disadvantages Pike County since such data fails to account adequately for the small size of its service area, the configuration of the system and the potential for volatility in reliability index performance. A Settlement Agreement was reached by all of the parties to the proceeding. The matter was subsequently remanded to the Commission's Office of Administrative Law Judge for further development of the record regarding the re-calculation of Pike County's reliability benchmarks.

¹ Docket No. M-00991220.

² Docket No. M-00991220F0002.

A related matter involved a review of the exclusion of certain major events from the calculation of the historical benchmarks. On January 6, 2006, Pike submitted additional information stating that seven non-storm incidents were improperly excluded in developing its historic reliability benchmarks.³ Since it appeared that this additional information may have had an impact on the benchmark adjustment calculations contained in the Settlement, the Commission provided a copy of Pike's response to the parties in the benchmark proceeding and allowed a comment period concerning any adjustment to the calculations or positions regarding the Settlement. None of the parties filed comments. On January 11, 2006, a Recommended Decision approving the Settlement was issued by the Commission. The Commission adopted this decision on August 17, 2006. The settlement increases Pike's SAIFI benchmark from 0.39 to 0.61 and decreases Pike's CAIDI benchmark from 178 to 174. The SAIDI benchmark increases from 69 to 106.

The 2005 overall reliability performance of Pike County was worse than the 2004 performance. The SAIDI value increased from 90 minutes in 2004 to 202 minutes in 2005. The outage frequency increased from 0.52 in 2004 to 1.85 in 2005 or 2.3 times the revised SAIFI standard of 0.82. The CAIDI value of 109 minutes was 63 minutes less than the previous year and 37.4% below the revised benchmark of 174 minutes.

The calculations for the 2005 reliability indices exclude outage data relating to ten major events, which were approved by the Commission:

- January 12, 2005: tree contact; 468 customers affected; 52,272 interruption minutes excluded.
- March 24, 2005: storm; 848 customers affected; 1,067,666 interruption minutes excluded.
- April 14, 2005: non-company accident; 2,230 customers affected; 138,872 interruption minutes excluded.
- May 2, 2005: equipment failure; 820 customers affected; 26,240 interruption minutes excluded.
- June 10, 2005: non-company accident; 2,804 customers affected; 738,697 interruption minutes excluded.
- June 17, 2005: tree contact; 2,706 customers affected; 111,864 interruption minutes excluded.
- June 22, 2005: tree contact; 2,232 customers affected; 381,583 interruption minutes excluded.
- August 8, 2005: storm; 3,052 customers affected; 221,297 interruption minutes excluded.

³ Docket Nos. M-00991220F2005 and P-00052174.

- August 12, 2005: storm; 1,727 customers affected; 290,416 interruption minutes excluded.
- November 6, 2005: storm; 2,255 customers affected; 259,065 interruption minutes excluded.

In 2005, Pike County experienced 8,123 customer interruptions with a total duration of 885,329 minutes, which was about 127% higher than that which was reported last year.

The following graphs depict trends in the duration of service interruptions for the Pike County system from 1994 to 2005, and for the four quarters of 2005 and the first quarter of 2006, compared to the established benchmarks and standards.



Pike County Light & Power Company Customer Average Interruption Duration Index (CAIDI)

250 Rolling 12-Month Standard 200 150 Benchmark Minutes 100 50 0 Mar-05 Jun-05 Sep-05 Dec-05 Mar-06 12 Months Ending

Pike County Light & Power Company Customer Average Interruption Duration Index (CAIDI)

The annual CAIDI values have improved over the past three years, and the 2005 CAIDI is at its lowest level in the past 12 years. Rolling 12-month averages for the four quarters of 2005 and the first quarter of 2006 were better than the benchmark.

The next two graphs depict trends in the frequency of service interruptions for the Pike County system from 1994 to 2005, and for the four quarters of 2005 and the first quarter of 2006, compared to the established benchmarks and standards for SAIFI.



Pike County Light & Power Company System Average Interruption Frequency Index (SAIFI)

Pike County Light & Power Company System Average Interruption Frequency Index (SAIFI)



Electric Service Reliability in Pennsylvania

Except for 2002 and 2005, SAIFI has been below the revised benchmark of 0.61. The SAIFI values for the last three guarters of 2005 significantly exceeded the revised performance standard. For the 12-month period ending December 2005, Pike County's SAIFI was 1.85, over two times the standard. Pike reported that temporary circuit configurations due to capital improvements increased the impact of interruption on its system.

The graph below shows the distribution of causes of service outages occurring during 2005 as a percentage of total outages. The major cause of service outages is tree contact with 39 interruptions (43.3%) affecting 3,160 customers (38.9%) for a total of 540,843 minutes (61.1%). Improvement efforts in this area include a four-year, cycle-based tree clearance program. A "cyclebuster" trimming program was also in effect to address key areas where recurring outages have occurred. Pike County has not identified which outages are related to trees on the right-of-way or off the right-of-way. The second largest contributor to service outages in 2005 was equipment failure, with 20 incidents (22.2%) affecting 3,691 customers (45.4%) for a total of 212.029 minutes (23.9%).





APPENDIX A – BENCHMARKS AND STANDARDS

EDC Allegheny Power *	Reliability Indices SAIFI CAIDI SAIDI	Benchmark 1.05 170 179	Rolling 12-Month Standard 1.26 204 257	Rolling 3-Yr Avg. Standard 1.16 187 217
Duquesne Light	SAIFI	1.17	1.40	1.29
	CAIDI	108	130	119
	SAIDI	126	182	153
Met-Ed **	SAIFI	1.15	1.38	1.27
	CAIDI	117	140	129
	SAIDI	135	194	163
Penelec **	SAIFI	1.26	1.52	1.39
	CAIDI	117	141	129
	SAIDI	148	213	179
Penn Power **	SAIFI	1.12	1.34	1.23
	CAIDI	101	121	111
	SAIDI	113	162	136
PECO	SAIFI	1.23	1.48	1.35
	CAIDI	112	134	123
	SAIDI	138	198	167
PPL	SAIFI	0.98	1.18	1.08
	CAIDI	145	174	160
	SAIDI	142	205	172
UGI	SAIFI	0.83	1.12	0.91
	CAIDI	169	228	186
	SAIDI	140	256	170
Citizens	SAIFI	0.20	0.27	0.22
	CAIDI	105	141	115
	SAIDI	21	38	25
Pike County ***	SAIFI	0.61	0.82	0.67
	CAIDI	174	235	192
	SAIDI	106	194	129
Wellsboro	SAIFI	1.23	1.66	1.35
	CAIDI	124	167	136
	SAIDI	153	278	185

* Revised benchmarks and standards effective 7/20/06.

** Revised benchmarks and standards effective 2/17/06.

*** Revised benchmarks and standards effective 8/17/06.