STATE OF NEW JERSEY
OFFICE OF ADMINISTRATIVE LAW
BEFORE THE HONORABLE WALTER J. BRASWELL

I/M/O THE PETITION OF	**)**	
PUBLIC SERVICE ELECTRIC AND	**)**	
GAS COMPANY FOR APPROVAL OF	**)**	
AN INCREASE IN ELECTRIC AND	**)**	
GAS RATES AND FOR CHANGES IN	**)**	
THE TARIFFS FOR ELECTRIC AND	**)**	
GAS SERVICE,	**)**	**BPU DOCKET No. GR09050422**
B.P.U. N.J. NO. 14 ELECTRIC AND	**)**	**OAL DOCKET No. PUC-7559-09**
B.P.U. N.J. NO. 14 GAS PURSUANT TO	**)**	
N.J.S.A. 48: 2-21 AND N.J.S.A. 48: 2-21.1	**)**	
AND FOR APPROVAL OF GAS	**)**	
WEATHER NORMALIZATION;	**)**	
A PENSION EXPENSE TRACKER AND	**)**	
FOR OTHER APPROPRIATE RELIEF	**)**	

DIRECT TESTIMONY OF CHARLES P. SALAMONE
ON BEHALF OF THE
NEW JERSEY DEPARTMENT OF THE PUBLIC ADVOCATE
DIVISION OF RATE COUNSEL

RONALD K. CHEN
PUBLIC ADVOCATE OF NEW JERSEY

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REDACTED VERSION

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I. STATEMENT OF QUALIFICATIONS

Q. Please state your name and business address.

A. My name is Charles P. Salamone. I am Owner of Cape Power Systems Consulting, LLC a power systems consulting Company with an address of 23 Westerly Drive, Bourne, Massachusetts and I am subcontracting with Synapse Energy Economics, Inc. with an address of 22 Pearl Street, Cambridge, Massachusetts.

Q. On whose behalf are you submitting testimony in this proceeding?

A. I am submitting testimony on behalf of the New Jersey Department of the Public Advocate, Division of Rate Counsel.

Q. Please describe your education and professional background.

A. I hold a Bachelor of Science Degree in Electrical Engineering from Gannon University. I joined the Engineering Department of Commonwealth Electric Company in 1973. At that time, I became a Junior Planning Engineer where my primary responsibilities were to assist in the planning, analysis and design of the transmission and distribution systems of Commonwealth Electric Company. I generally followed the normal progression of positions with increasing levels of responsibility within the planning area until taking the position of Director of System Planning in 2000. I retired from NSTAR (the successor entity formerly Commonwealth Electric and Boston Edison) in 2005 and formed my own consulting Company. During my career with NSTAR in addition to the responsibilities associated with overseeing System Planning I had served as Chair

of the NEPOOL Planning Policy Subcommittee (1997-1998), Chair of the NEPOOL Regional Transmission Planning Committee (1998-1999) and Vice Chair of the NEPOOL Reliability Committee (1999-2000). As a consultant I have been providing consulting services to a number of power system industry clients since 2005. I am a Registered Professional Engineer with the Commonwealth of Massachusetts. I am also a member of the Power Engineering Society of the Institute of Electrical and Electronic Engineers. A copy of my resume is attached hereto as Attachment CPS-A.

Q. Have you previously testified before utility regulatory agencies?

A. Yes. I have previously testified before the Federal Energy Regulatory Commission, the Massachusetts Department of Telecommunications and Energy and the Massachusetts Energy Facilities Siting Board on a number of technical matters relating to ratemaking and system planning.

II. PURPOSE OF TESTIMONY

Q. What is the purpose of your testimony in this proceeding?

A. The purpose of my testimony is to discuss Public Service Electric and Gas Company ("PSE&G" or the "Company") practices concerning maintaining reliability of service for customers served by its electric distribution system. This includes consideration of the expenditures PSE&G has incurred in support of reliability versus the benefits achieved from such expenditures. I will discuss the prioritization process used by PSE&G and the issues this process raises concerning maintaining a minimum level of reliability. The reliability statistics

when taken on a PSE&G wide basis are above average in nature however, the performance of individual circuits tells a very different story. PSE&G's heavy reliance on divisional reliability statistics has allowed segments of the system to fall short of acceptable performance. I will discuss the concerns that arose with respect to PSE&G's planning practices and the impacts this has on service to customers. A review of the process used by PSE&G for selection of projects found that it focuses on global characteristics at the expense of local reliability. An additional concern is the recent low voltage network failures that are also indicative of insufficient recognition of the impacts of network failures on customer service. Finally, I will discuss the projects submitted under the Economic Stimulus Program, PSE&G's Capital Infrastructure Investment Program ("CIIP") with respect to the appropriateness of their inclusion for rate recovery at this time.[1]

III. RELIABILITY

Q. What reliability problems did you observe in the review of data provided by PSE&G?

A. My assessment found that some customers are left with highly unacceptable performance, which apparently does not impact the statistics at a high level. A review of the individual circuit performance for 2006, 2007 and 2008 based on response to inquiry RCR-ER-2 indicates that there were 324, 321 and 297 circuits respectively with a CAIDI value that was worse than the mean value of

[1] See I/M/O the Petition of Public Service Electric and Gas Company For Approval of A Capital Economic Stimulus Infrastructure Investment Program and An Associated Cost Recovery Mechanism Pursuant to

performance for the benchmark group PSE&G has established for itself. (See Attachment CPS-B) Similarly the individual circuit performance for 2006, 2007 and 2008 indicates that there were 303, 329 and 314 circuits respectively with a SAIFI value worse than the mean value of the benchmark group. (See Attachment CPS-C) Many of these circuits also show up year over year. The results indicate that while PSE&G is able to maintain reasonable Divisional performance statistics there are a number of customers that are experiencing reliability performance well below acceptable levels.

Q. Are there other planning related concerns observed in your review?

A. PSE&G's Distribution Planning Process was also found to lend itself to exposing individual circuits to reliability risks. The process of weather normalization used by PSE&G in establishing forecasted peak demands can easily expose circuits and substations to demands that are from 20% to 40% higher than expected based on response to inquiry, i.e. RCR-ER-16. This process assumes "normal" weather conditions as the basis for developing a load forecast. Such forecasts ignore the impacts of weather that is not "normal" which can have a significant effect on actual distribution system loading. The load characteristics of today's customers are much more sensitive to weather conditions than in the past resulting in greater variability in electric power demands. The introduction of air conditioners that cost less than $100 has resulted in significantly higher loads occurring when

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N.J.S.A. 48:2-21 and 48:2-21.1, BPU Docket No. EO09010050, Order dated April 28, 2009 ("CIIP Stipulation").

temperatures are above 98 degrees especially if this occurs on three or more consecutive days. Conditions similar to this occurred in 2006 and the peak demands recorded by PSE&G are consistent with this type of weather condition. Those demands were in many cases the highest values seen in the past three years. PSE&G's current projected weather normalized loading for circuits is often less than these prior peak demands and a repeat of the 2006 weather conditions could easily drive demands to substantially higher levels than the system is designed to operate at based on weather normalization. PSE&G's distribution system cannot be operated in a reliable fashion if its design is based on a weather normalization process that excludes such demands from consideration in planning and designing the system. Based on data included in response to inquiry RCR-ER-12 there are 62 circuits that are projected to have normalized peak demand loading that exceeds the circuit's capacity by more than 10%. Additionally, there are a significant number of these circuits that are projected to have overloads in excess of 25% beyond their capacity over the next three years based on their normalized load projection values (See Attachment CPS-D). These numbers suggest that PSE&G's planning process allows for a significant level of risk of overload for individual circuits. The consequence is that a large number of customers face the potential for being interrupted over a significant number of hours during the year (loads are typically over 75% of peak 500 hours or more per year). When considered in the context of the past performance of individual circuits it appears that mitigation of circuit reliability issues related to insufficient capacity are a low priority for PSE&G funding.

Q. How has PSE&G cost effectively addressed circuit reliability?

A. Some of PSE&G's approaches such as the practice of maintaining an energized stand-by circuit that does not perform any useful function except when another circuit has failed are not commonly used in the industry. In my opinion this is not a cost effective means for providing backup service. A more typical practice is to reserve some percentage of capacity on active and functioning circuits to allow for transfer of loads from adjacent circuits during a circuit failure. The stand-by circuit practice raises concerns over the appropriateness of inclusion of such circuits in rate base. Except for the fact that the circuits are energized they are somewhat similar to spare transformers sitting in PSE&G's stock room waiting to be put in service in response to a transformer failure. Greater investments in active circuit capacity as well as load management and energy efficiency programs would be a more cost effective means to provide back-up capacity for the system.

IV. PSE&G'S PROJECT EVALUATION SYSTEM

Q. [*Confidential testimony begins here*] [redacted]

A. [redacted]

[redacted]

Q.

A. [redacted]

[redacted]

Confidential testimony ends here]

V. CAPITAL INFRASTRUCTURE PROGRAM

Q. Did you review the Capital Infrastructure Investment Program projects submitted by PSE&G?

A. Yes. PSE&G has submitted and obtained approval to proceed with a number of projects that PSE&G maintains are incremental to the work that it had funded for the 2009 through 2011 budget years. The set of projects submitted by PSE&G raises a number of concerns from both a reliability perspective and an economic perspective.

Q. Could you explain the concerns that arise from the set of reliability projects submitted for the Capital Infrastructure Investment Program?

A. The projects submitted by PSE&G indicate a number of significant reliability concerns across the system that, absent the stimulus funding, would have been deferred. This deferral was not the result of any expectation of a decrease in system demand but simply due to a cut in spending for such projects. The PSE&G's load projections for 2008 shown in Table 1 below demonstrate that PSE&G's projection of peak demands were actually expected to be higher than what was previously projected. This should have resulted in additional projects being identified and additional projects funded by PSE&G to address the higher capacity demands being placed on the system. The response of PSE&G to this information was inconsistent and rather than adding projects it elected to remove projects due to budget constraints. As explained earlier, the IES system used by PSE&G favors larger scale projects over local projects and it allows for

establishing a funding level that defers projects without consideration of any reliability thresholds. As a consequence, the projects submitted for stimulus funding were removed from the current year's budget. PSE&G's response to question RC-PS-IN-P-30 in the economic stimulus proceeding describes the reliability projects included for funding under the Capital Infrastructure Investment Program. These projects included some that were solutions to projected overloads of up to 68% based on weather normalized projections for 2010. These projects had been cut from PSE&G's project list based on a budget reduction of $76M in electric distribution funding as indicated in response to question RC-PS-IN-A-30. The list of projects that were considered as not important enough to fund demonstrates the concern with a system that does not establish a minimum level of reliability of service to customers. Customers that are served by a circuit that is projected to experience a 68% overload will most certainly experience outages due to overloads and a failure to recognize this is a significant flaw in the evaluation system that PSE&G uses. The only stimulus projects that should be considered in PSE&G's base rate case are projects that would normally be included in the test year. All other projects should be included in future CIIP reviews.

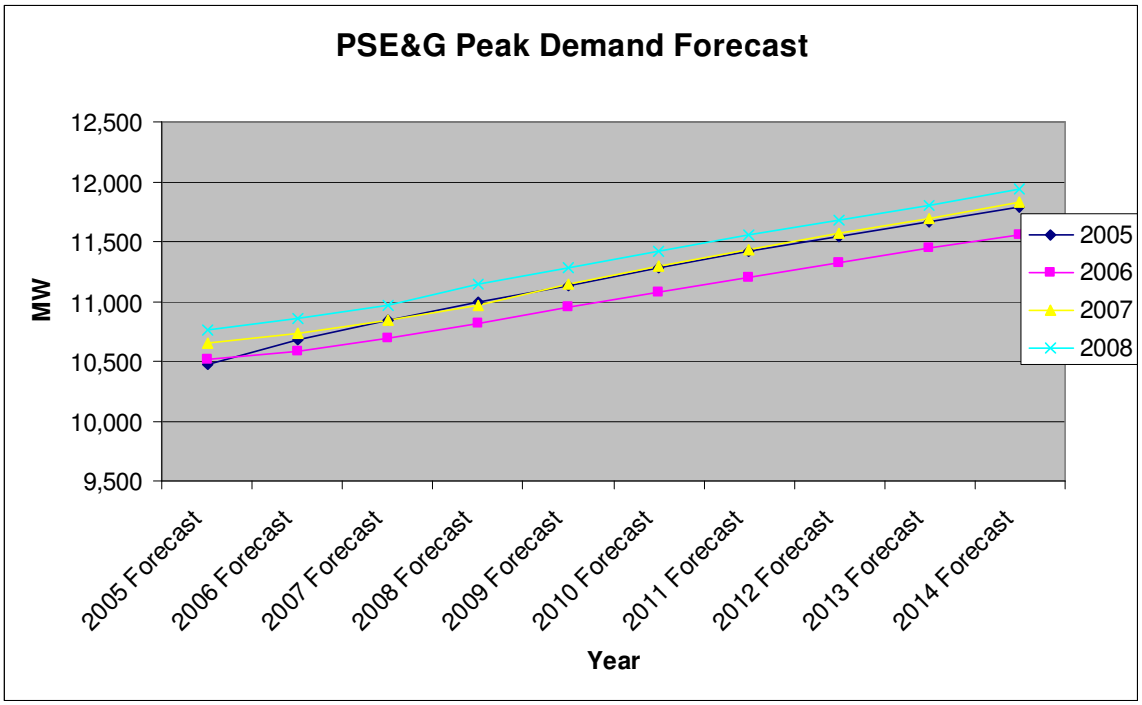

TABLE 1

Q. Were there any other projects submitted for rate recovery at this time that were part of the Capital Infrastructure Investment Program?

A. Yes. There are a number of projects that were included in PSE&G's rate case filing that were approved as part of the Capital Infrastructure Investment Program. Based on PSE&G's most recent quarterly filing as required under the CIIP stipulation, filed on November 4, 2009, there are 38 electric division CIIP projects that PSE&G is seeking recovery for. The total estimated cost for these projects is $421,313,557. Over 50% of these projects are not due to be completed until 2011 and they encompass over 70% of the capital expenditures of the CIIP. As can be seen in Table 2 below there are only two CIIP electric projects that are more than

50% complete and a majority of projects have less than 20% of the projected work completed. Additionally, there are only 11 CIIP electric projects that have completed some percentage of work. Based on the data provided in the quarterly filings for these projects, on average the CIIP project costs are projected to be 60% greater than their original estimated cost. Given the limited number of CIIP projects completed and the implied variation in completed project costs it would not appear to be prudent to provide unconstrained approval for inclusion of these project costs within PSE&G's rate increase. A review of the costs and prudency of these projects should be done in the future economic stimulus CIIP reviews, before they are included for cost recovery in customer rates.

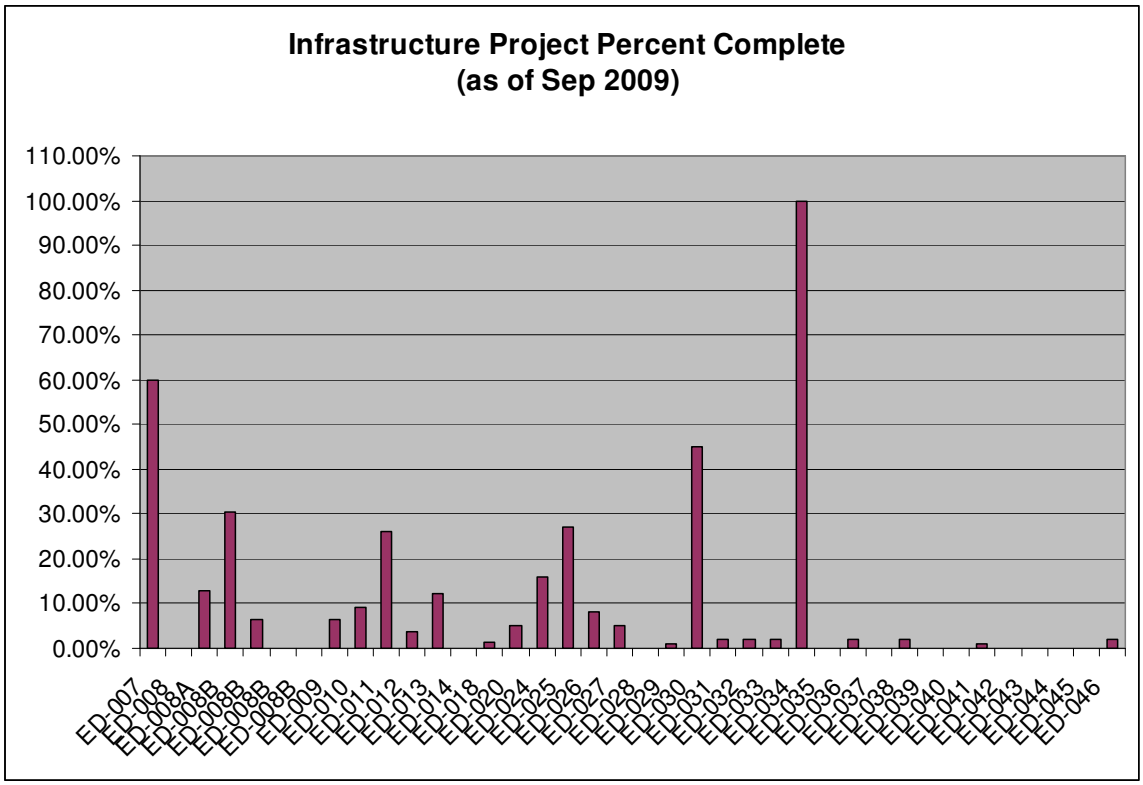

TABLE 2

VI SUMMARY

Q. Please summarize your conclusions and recommendations regarding the ratemaking issues concerning PSE&G's rate case filing?

A. First, I found that PSE&G's prioritization process should be reviewed and adjusted to allow for greater concentration on reliability based projects that are area specific in nature. I would recommend that this process be adjusted to treat large scale projects separately from local area reliability and capacity problem related projects. Large scale project should be funded through development of complete business plans and should compete among similar projects rather than divert funding from local area reliability projects. Additionally, the reliability performance metrics used by PSE&G's project funding process should be adjusted to allow for greater recognition of area specific problems with more emphasis on risks and reliability performance of local area reliability. In general, PSE&G should place less emphasis on large scale high technology projects and more on the low technology distribution system element projects. Second, greater investments in active circuit capacity as well as load management and energy efficiency programs rather than programs such as stand-by circuits should be implemented as a more cost effective means to provide back-up capacity for the system. Third, network reliability evaluations should be measured on a different basis than traditional CAIDI and SAIFI performance metrics and should consider the actual number of people and businesses impacted by network outages. I would recommend treating any PSE&G low voltage network outage that impacts more than 50 occupants should be treated as more than one customer for statistical

reporting purposes and for prioritization of projects. Fourth, I recommend that planning practices set a higher priority on identifying and mitigating system overloads and consider basing load forecast projections on more severe weather conditions than those incorporated in weather normalized forecast for use in the planning process. Finally, the future cost and completion dates for stimulus program projects appear to have a high degree of uncertainty based on the information PSE&G has provided. On this basis, projects included in the Capital Infrastructure Investment Program should be subject to a future review that considers the prudency of the completed project costs once the projects are completed, prior to consideration of their inclusion in rate base. .

Q. Does this conclude your testimony?

A. Yes. However, I reserve the right to supplement my testimony based on further updates to discovery and PSE&G's rebuttal testimony.

EXHIBIT ATTACHMENT CPS-A

Charles P. Salamone PE

Attachment CPS-A

Charles P. Salamone, P.E.

Profession: Power Systems, with a special emphasis on transmission planning and design

Nationality: U.S. Citizen

Years of Experience: 34 years

Education B.S.E.E, Power System Engineering, 1973
Gannon University, Erie, PA

Position: Owner/Manager, Cape Power Systems Consulting

Web/Email: www.CapePowerSystems.com csalamone@capepowersystems.com

Summary: Mr. Salamone provides professional services based on his 34 years of experience in the areas of Transmission Planning, Substation Planning**,** Distribution Planning ISO-New England Procedures, New England Power Pool Procedures**,** Congestion Management, Generator Interconnections, Meter Engineering**,** Planning Budget Management, and State (Mass DTE) and Federal (FERC) Regulatory Agency Filing Development and Expert Witness Testimony

Experience:

2005- Pres. **Cape Power Systems Consulting**

Established a power system design, analysis, planning and assessment consulting company to work directly with diverse power system stakeholders.

- Work with a number of clients concerning development of analysis, reports and presentations in support of regulatory and technical review/approval process for transmission and distribution projects.
- Provide technical assistance for transmission planning activities for an Independent System Operator including support for major transmission system expansion programs and development of a 10 year transmission plan

- Developed and conducted a comprehensive training program for implementation of EMS based transmission system security assessment procedures for a large Massachusetts utility
- Work with Massachusetts Technology Collaborative providing technical support concerning electric utility design and analysis activities

1979-2005 NSTAR (Previously Boston Edison and Commonwealth Electric)

2000-2005 ***Director System Planning***
NSTAR (Previously Boston Edison and Commonwealth Electric) Boston, MA

- Responsible for long term planning of Company transmission, substation and distribution systems
- Successfully managed the studies, design, internal and external review and regulatory approval for a $250M 345 kV underground transmission expansion project serving the greater Boston area
- Responsible for managing generator interconnection studies, design and approvals
- Successfully managed studies, design and approval for congestion mitigation plans and expansion project
- Oversaw transmission and distribution planning efforts to establish a comprehensive 10 year $300 million system expansion plan
- Served as Company representative on NEPOOL Reliability Committee and the New England Transmission Expansion Advisory Committee
- Served as Company expert witness for system planning related regulatory proceedings at both the state and federal levels.
- Supervised a staff of 10 senior engineers

1989-1999 ***Manager, System Planning and Meter Services***
Commonwealth Electric Company, Wareham, MA

- Develop risk based prioritized $10 million construction budget procedures
- Supervise a staff of 6 professional engineers and 4 analysts
- Served as chair of the NEPOOL Regional Transmission Planning Committee (currently the NEPOOL Reliability Committee)
- Process billing determinant and interval data for all major system customers
- Lead implementation of first MV90 meter data processing system
- Develop annual performance analysis reports for all transmission and major distribution systems
- Manage multiple FERC tariff based transmission customer and generation developer system impact studies
- Served as expert Company witness in State and FERC regulatory proceedings
- Initiated implementation of a risk index for prioritization of all transmission and major distribution construction projects

- Initiated implementation of automated electronic processing of major customer billing data, which significantly reduced time needed to generate bills
- Served as lead member on information technology company merger team
- Implemented process and equipment to perform all tie line, generator and wholesale customer meter testing
- Served as chair of the NEPOOL Planning Process Subcommittee, which established numerous NEPOOL policies for transmission and generator owners
- Served as Vice-Chair of the NEPOOL Reliability Committee

1984-1989 ***Meter Engineer***
Commonwealth Electric Company, Plymouth, MA

- Designed and supervised installation of 15 generator metering and data recorders
- Developed customer load plotting and analysis software
- Developed meter equipment order data processing system for four remote offices
- Implemented PC control of meter test boards, which significantly reduced processing and record keeping time
- Managed programming of all electronic meter registers to insure accurate data registration

1979-1984 ***Computer Application Engineer***
Commonwealth Electric Company, Wareham, MA

- Implemented numerous technical and analytical software applications for engineering analysis
- Served as member of decision team for implementation of a new SCADA system

1978-1979 **San Diego Gas & Electric, *Planning Engineer***
San Diego Gas & Electric Company, San Diego, CA

- Performed extensive stability analysis for a new 230 kV transmission interconnection with Mexico
- Performed transmission design and performance analysis for a new 250 mile 500 kV line from San Diego to Arizona

1973-1978 **New England Gas & Electric Association, *Planning Engineer***
New England Gas & Electric Association, Cambridge, MA

- Performed extensive stability analysis for a new 560 MW generating plant on Cape Cod
- Developed transmission plan for a new 345 kV transmission line on Cape Cod
- Developed plans for design and sighting of new 115 / 23 kV substations on Cape Cod

EXHIBIT ATTACHMENT CPS-B

CAIDI Performance Worse Than Benchmark Mean

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
03	Adams	ADA 801	118		
		ADA 8012	150	125	
		ADA 8015		479	160
		ADA 8016		121	
		ADA 802		344	213
		ADA 8024	232		187
	Aldene Sub	ALD 8016		103	
		ALD 8022			110
		ALD 8024		251	
		ALD 8025			121
		ALD 8026		143	102
	Bayway	BAY 4002	429		
	Bennetts Lane	BEN 8012			207
		BEN 8014	116		
		BEN 8015	169	129	
		BEN 8021		118	
		BEN 8022	105		
		BEN 8023	163		
		BEN 8024		130	
		BEN 8025		143	
	Brunswick Sub	BRU 8011			171
	Carteret	CAT 4009			165
	Clark	CLA 4003			434
		CLA 4007			404
	Cliff Road	CLI 8001			108
	Cranford	CRA 4003		271	
		CRA 4005		236	
		CRA 4007		186	
		CRA 4008		142	
		CRA 4009	106		
		CRA 4011	103		
		CRA 4012		200	
		CRA 4013		372	
		CRA 4014		143	
		CRA 4016		319	
	Dayton 8001 Unit	DAY 8002	151		
	Doremus Place	DOR 8032	143		
		DOR 8033	125	115	
		DOR 8042		308	
		DOR 8044	111	196	
	Edison	EDI 4009		106	
	Elizabeth	ELI 4008		173	
	Fanwood	FAW 801			510
		FAW 802		131	333
	Finderne	FIN 4003		112	
	First Street	FIR 4001		176	
		FIR 4002		286	181
		FIR 4003		286	
		FIR 4004	104	255	

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
		FIR 4005		286	159
		FIR 4006		255	
		FIR 4007		213	
		FIR 4008		213	
		FIR 4010		213	
		FIR 4011		213	
	Front Street	FRO 4003		266	327
	Green Brook	GBK 8023		258	114
	Hancock Street	HAN 400	179		
		HAN 4005		158	
	Harts Lane	HAT 8012	131		
		HAT 8013	120		
		HAT 8014	112		105
		HAT 8015	111		
		HAT 8021		159	
		HAT 8022		325	112
		HAT 8027		117	
		HAT 8037		234	
	Henry Street	HEN 4009		298	
	Hillside	HIL 4007	160		
	Jersey Avenue	JER 4001	119		
	Keasbey	KEA 4003	125		
		KEA 4004		196	
	Kenilworth	KEN 4001			118
		KEN 4002			118
		KEN 4003			118
		KEN 4004			118
		KEN 4005		208	118
		KEN 4006	111		118
	Kilmer	KIL 8014		134	
		KIL 8022			158
		KIL 8023	115	112	
		KIL 8025		105	
		KIL 8034			173
	Lafayette Road	LAF 8014	108	228	
		LAF 8015		178	157
		LAF 8024		146	
		LAF 8026	107		
	Lake Nelson	LAK 8012			173
		LAK 8014		163	293
		LAK 8024		131	
	Lehigh Avenue	LEH 4004		120	
		LEH 4006			151
		LEH 4009		483	
	Meadow Road	MEA 801			143
		MEA 802		153	140
	Mechanic Street	MEC 400	243		124
		MEC 4003			124
		MEC 4004			124

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
		MEC 4005			124
		MEC 4006			124
		MEC 4007			303
		MEC 4008		350	124
		MEC 4009			124
		MEC 401			124
		MEC 4010			124
		MEC 4012			124
		MEC 4013			122
		MEC 8004			210
	Minue Street	MIN 8012			116
		MIN 8015			102
		MIN 8024			198
	Mountain Avenue	MON 800		136	
	New Dover	NED 8012	125	115	
		NED 8016			180
		NED 8023		233	132
		NED 8025			240
		NED 8026	138		122
	North Avenue	NOT 8011	295		
		NOT 8012	105		
		NOT 8024	593		
	North Bridge Street	NBS 8012		165	
		NBS 8013	164		
	Pierson Avenue	PIE 8012			128
		PIE 8015			115
		PIE 8021	173		
		PIE 8022			120
	Plainfield	PLA 4007	107		174
		PLA 4012	104		
		PLA 4013			109
	Pleasant Street	PLS 4001	342		
	Polhemus Lane	POH 8013	125	120	
		POH 8015	137		498
		POH 8023		125	
	Rahway	RAH 4001	103		
		RAH 4003	103		
		RAH 4004	104	246	
		RAH 4005	104		
		RAH 4006	104		
		RAH 4007	104		
		RAH 4008	103		
		RAH 4009	104		
		RAH 4010	103	106	
		RAH 4012	114		
	Roselle	RSL 4008	173		
	Sand Hills	SDH 8021	230		166
		SDH 8023		140	166
		SDH 8025	116	113	120
		SDH 8026	191		

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
		SDH 8033	168		
		SDH 8034			249
		SDH 8035	121	125	
	Somerville	SMV 802	161		
		SMV 8023		111	
		SMV 8025	121		
	South Second Street	SOS 8025	113		
	Springfield Road	SPF 8012	136	126	
		SPF 8013			138
		SPF 8014		299	
		SPF 8016		111	
		SPF 8023		104	
		SPF 8024	166	109	
		SPF 8025		182	161
		SPF 8026		111	
	Sunnymeade	SUN 8011			227
		SUN 8012			103
		SUN 8013	137		115
		SUN 8014			127
		SUN 8018	182		
		SUN 8021		110	
		SUN 8023			132
		SUN 8024	162		112
		SUN 8025	108	109	
		SUN 8034			172
		SUN 8045	106		
		SUN 8048	127		
	Tremley	TRE 4002	123		
	Union	UN 4010			113
		UN 4011			165
	Vauxhall Road	VXL 4001			106
	Warinanco	WAN 801	543	106	157
		WAN 802		130	
	Westfield	WFL 8011			125
		WFL 8012		104	155
		WFL 8023			106
		WFL 8032			129
	Woodbridge	WOR 801	123	105	163
		WOR 802	148	159	182
		WOR 803	113	122	123
05	Academy Street	ACA 4005			141
		ACA 4006		165	
		ACA 4008			188
	Arcola	ARC 4003	117		
	Bayonne Sub	BAO 8003		118	
		BAO 8013	118		
		BAO 8014		167	443
		BAO 8015			235
		BAO 8025			107

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
		BAO 8044	105		107
	Bergen Point	BER 4013	215		
		BER 4015			148
	Bergenfield	BEF 8001			121
	Culver Avenue	CUL 4001			156
		CUL 4004		131	
	Dumont	DUM 400		406	
	East Rutherford Sub	EAT 8011	106		
		EAT 8022			276
	Englewood	ENG 4004			267
		ENG 4005		311	132
		ENG 4006		176	
		ENG 4007	140		
		ENG 4009	155		
		ENG 4013			247
		ENG 4014			127
	Fairview	FAV 4003	134		
		FAV 4005	102		
	Garfield Avenue	GAE 4001		164	
		GAE 4006		153	118
	Garfield Place	GAF 4001			170
		GAF 4004	155		
		GAF 4009			124
	Greenville	GRN 4008	276		
	Hackensack	HAC 4005	140		
		HAC 4006	103		
		HAC 4007		150	150
		HAC 4009	115		
		HAC 4010	115		
		HAC 4011	115		
		HAC 4012	122		
		HAC 4013	122	184	
		HAC 4016	122		
		HAC 4018	204		
	Harrison	HAR 4001		111	
		HAR 4002		111	
		HAR 4003		111	116
		HAR 4004		111	
		HAR 4005		111	
		HAR 4006	109	111	
		HAR 4007		111	
		HAR 4011		111	
		HAR 4012		111	
		HAR 4013		118	
		HAR 4015		111	
		HAR 4018		111	
		HAR 4019		111	
		HAR 4020		111	
		HAR 4021		111	
		HAR 4022		111	

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
	Hasbrouck Heights	HBH 8004		105	
	Hillsdale	HID 8011		174	
		HID 8012	137		
		HID 8013	131		
		HID 8014	155		
		HID 8021			135
		HID 8022			102
		HID 8023			119
		HID 8025		112	199
		HID 8041		137	
		HID 8042	117	250	119
	Hoboken	HOE 8011		105	
		HOE 8025			156
	Homestead	HOM 800	107		267
		HOM 801	191		
		HOM 803	104		
	Howell Street	HOW 400		103	
	Hudson Terrace	HUD 400	130		
		HUD 4002	105		
		HUD 4004	139		
		HUD 4006	126		
	Jersey City Switch	JCY 8012		103	
		JCY 8013		103	
		JCY 8021		103	
		JCY 8023		103	
		JCY 8031		103	
		JCY 8033		103	
	Kingsland	KIN 8011	122	727	
		KIN 8012			142
		KIN 8022	107		
	Leonia	LEO 8002		120	218
		LEO 8003	129		
		LEO 8010			118
		LEO 8033			245
		LEO 8035	280	126	116
		LEO 8041	257		122
		LEO 8042		103	
		LEO 8045			113
	Little Ferry	LIL 4002	584		141
	Marshall Street	MAS 4009	149		
		MAS 401	233		
		MAS 4010			225
	Maywood	MAY 801	112		121
		MAY 802		345	163
		MAY 803			140
		MAY 804	136	220	109
	New Milford	NEW 801	115	204	310
		NEW 802	136	108	
		NEW 803	195	225	208

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
		NEW 804	162		
	North Bergen	NRB 8013	143		
	Paramus	PAR 4002	256	321	
		PAR 4007	104		
	Penhorn	PEH 8007		120	
	Polk Street	POL 4012	106		
	Ridgefield	RFL 8013		103	176
		RFL 8025	102		103
		RFL 8032			170
		RFL 8033	125		103
		RFL 8034		178	112
		RFL 8043			132
		RFL 8044	274		
		RFL 8045	109		
	Ridgewood	RGW 400	151	167	1305
		RGW 401		160	1208
	River Edge	RID 4006			112
		RIG 8003	110	139	122
	River Road Sub	RVR 8011	128		
	Saddle Brook	SAD 8002		147	
		SAD 8007			117
		SAD 8008	125		
		SAD 8033	213		
		SAD 8042	106		
	South Waterfront	SWT 8001	371		
	Spring Valley Rd	SPR 4005			156
		SPR 4006	166		
		SPR 4007		134	
	St Pauls	STP 8001		174	
	Teaneck	TEA 4006		173	
	Third Street	THR 4009			135
	Tonnelle Avenue	TON 4006			119
		TON 4007			108
	Turnpike	TUR 8003			128
		TUR 8004	122		
		TUR 8015			128
		TUR 8025	148		
	Union City	UNC 4006	195		
		UNC 4010			103
	Van Winkle Street	VNL 8004	146		139
	Waldwick	WAD 801	140	203	
		WAD 802		604	154
	Westwood	WOD 400	375	171	103
07	Allwood	ALL 4006	252		
	Belleville	BEE 4008		130	
	Bloomfield	BLO 4008	154		201
		BLO 4010		425	
		BLO 4012		150	
		BLO 4013		425	

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
		BLO 4014	191		
		BLO 4016	158		
		BLO 4017	179		
		BLO 4018	208		
	Cedar Grove	CED 8011		103	
		CED 8012			114
		CED 8015		105	120
		CED 8016	233		
		CED 8021	134		107
		CED 8022		106	
		CED 8024	111		
	Central Ave	CET 4001	199		389
		CET 4004	125	105	139
		CET 4008			125
		CET 4012		142	170
		CET 4017			301
	Clay St	CLE 4015	180		
		CLE 4017	277		
	Clifton	CLF 8016	148		
		CLF 8024			275
		CLF 8025			344
	Cook Rd	COR 8011	105		
		COR 8013			112
		COR 8024			161
		COR 8025	124		
		COR 8031			121
		COR 8034			160
	East Orange Sub	EAO 4003		153	
		EAO 4006			144
		EAO 4008	147		
		EAO 4012	193	134	140
		EAO 4013	103		108
		EAO 4019	165	106	
		EAO 4023			113
	Fairlawn	FAR 4001		162	
		FAR 4002	142		
		FAR 4005		174	234
		FAR 4006	113		
		FAR 4008			167
		FAR 4009	157	164	
	Federal Square	FED 4018	215		
		FED 4019			132
		FED 4030			835
	Foundry St	FOU 8012		106	
		FOU 8022			190
		FOU 8023			105
	Getty Ave	GET 4003	137		
		GET 4004			109
	Great Notch	GRE 4001		177	
		GRE 4002	540	113	

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
		GRE 4004	174		
	Haledon	HAL 4004	136		
		HAL 4008	143		
	Hawthorne	HAW 802	113		
	Hinchmans	HNC 8012		110	
		HNC 8014	187		
		HNC 8015	236	253	
		HNC 8022		109	
		HNC 8023		126	
		HNC 8024			119
		HNC 8025	150		
	Ironbound	IRO 4006			117
		IRO 4014	113		510
	Irvington	IRV 4002	148		110
		IRV 4010			170
		IRV 4019			125
		IRV 4020			691
	Jackson Rd	JAC 8012	126		
		JAC 8022		178	
		JAC 8023	121		
		JAC 8032		117	
		JAC 8043			133
	Kuller Road	KUL 8011	135		
	Lakeside	LAS 4010	288		179
		LAS 4019	215	217	194
	Laurel Ave	LAU 8014		120	
		LAU 8021	206		
		LAU 8022		223	
		LAU 8023		118	103
		LAU 8024		122	
		LAU 8025	186		145
		LAU 8034			118
		LAU 8035	106		
		LAU 8036	112		
		LAU 8046	142	157	
	Legion Place	LEG 4003	128		
	Marion Drive	MAI 8014			157
		MAI 8021			126
		MAI 8023		150	145
		MAI 8024	189	178	
	McLean Blvd	MCL 400	178		
		MCL 4004	109		
	Montclair	MNT 400	604	432	206
		MNT 401	134	213	391
	Nevins Road	NEV 8001			180
		NEV 8002	125		
	Nineteenth Ave	NIN 4001		451	
		NIN 4003			148
		NIN 4006	158	163	

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
	Nineteenth Ave Unit	NIT 8007		123	125
	Norfolk St	NOF 4004	177		145
		NOF 4008	255		
		NOF 4010	135	217	
		NOF 4016		242	
		NOF 4019	125		
	North Paterson	NRP 4003			131
		NRP 4007			140
		NRP 4010			102
		NRP 4013		142	
		NRP 4015		239	
	Nutley	NUT 4001	105	533	147
		NUT 4002		437	191
		NUT 4003		568	191
		NUT 4004			191
		NUT 4006		568	175
	Oak St	OAK 4006		110	
		OAK 4007	174		
	Orange Valley	ORA 4002	247		176
		ORA 4004			164
		ORA 4005	142		
		ORA 4007	103	172	
	Passaic	PAS 4001	151	119	
		PAS 4002	151	119	
		PAS 4003	151		
		PAS 4004	151	120	
		PAS 4005	151	117	
		PAS 4006	151	120	
		PAS 4007	131	119	
		PAS 4008	151	119	
		PAS 4009	151	119	
		PAS 4010	151	119	
		PAS 4011			117
		PAS 4012	151	119	
		PAS 4013	151	119	
		PAS 4014	151	119	
		PAS 4015	151	119	
		PAS 4016	151		
		PAS 4017	151	119	
		PAS 4018	151	119	
		PAS 4019	151	119	
		PAS 4020	123	119	
	Plank Rd	PLN 4007	128		
		PLN 4010	117		
		PLN 4016	142		192
	Plauderville	PLR 4003		105	
		PLR 4004		242	
	Port St	POR 4002	165	159	
		POR 4003		161	214
		POR 4004		125	145

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
		POR 4006		150	
	So Orange	SOO 4002	144	207	109
		SOO 4003	136	139	
		SOO 4007		155	
		SOO 4010			203
		SOO 4013		201	
		SOO 4014	150		
	So Paterson	SOP 4004		135	
		SOP 4007		743	
		SOP 4010		187	
	Toneys Brook	TNY 4001	108		113
		TNY 4002		110	
		TNY 4003		135	168
		TNY 4004		205	
		TNY 4010	104	145	183
	Totowa	TOT 4001			391
		TOT 4003			168
		TOT 4007		199	
	Van Houten Ave	VNH 4002			116
		VNH 4004		172	
		VNH 4006		128	
		VNH 4008		130	
	Warren Point	WAR 400			211
	Waverly	WAV 400		347	
		WAV 401	155	238	165
	West Caldwell	WEW 801	118	104	
		WEW 802	238	139	154
		WEW 803	124		
		WEW 804		282	121
	West Orange Sub	WOA 400	192	132	141
		WOA 401	147	148	187
08	Audubon	AUD 4002			222
		AUD 4005		315	
	Beaver Brook	BEA 8002	103		
		BEA 8003	168		
		BEA 8006	189		
		BEA 8007	108		
		BEA 8008	131		
		BEA 8009	301		
	Bordentown	BOR 4006	152	768	
		BOR 4007	138		
	Bustleton	BUS 8011		113	
		BUS 8012		114	
		BUS 8014	165		
		BUS 8024	109		
		BUS 8025	163	154	
	Chauncey Street	CHA 4012			462
	Cherry Hill	CHE 4001	142		
		CHE 4004	216		

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
		CHE 4008	124		
	Chester	CHS 4006		109	
		CHS 4008		339	
	Cinnaminson	CIN 8003		165	
		CIN 8010	105		
		CIN 8011		128	
	Clarksville	CLK 8012		103	
		CLK 8013	110		
		CLK 8016		105	
		CLK 8025	122		
	Collingswood	COL 4003	107		
		COL 4004	902		121
	Coxs Corner	CXC 8021	104		
		CXC 8022	127		
	Crosswicks	CRX 8001		165	
		CRX 8002	142		
		CRX 8006	160		
	Cuthbert Blvd	CUT 8002	258		105
		CUT 8006			119
		CUT 8007	119		144
		CUT 8008			159
		CUT 8010			109
		CUT 8033			123
		CUT 8034	128		
		CUT 8035			169
		CUT 8041		109	
		CUT 8042	127		109
	Delair	DEA 4008		256	
	Deptford	DFD 8005		158	271
		DFD 8006	149	104	
		DFD 8008		129	111
	Devils Brook	DVB 8011	202	212	
		DVB 8023		111	118
		DVB 8024			205
	East Riverton	EAR 4001		149	
		ERT 8003			161
	Ewing	EWI 4004	832		
		EWI 4006			145
		EWI 4007			201
		EWI 4008			176
	Fernwood	FEN 8041	106		104
		FER 4005	124		
	Hamilton	HAM 400		145	308
	Hilltop	HLT 8002	115	165	
		HLT 8003	131		
	Kuser Rd	KUS 8001		131	
		KUS 8004	123		
		KUS 8005		213	127
		KUS 8006		105	

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
		KUS 8033			113
		KUS 8041		155	
		KUS 8043		123	278
		KUS 8044	115		551
		KUS 8045		115	
	Lamberton Rd	LAM 800			129
	Lawnside	LAW 801	108	117	146
		LAW 802	127	163	153
		LAW 803	261	109	
	Lawrence Sub	LCE 8004		223	
		LCE 8009		154	
		LCE 8010		115	
		LCE 8033	172		
		LCE 8034			127
		LCE 8035			115
		LCE 8036	126		
		LCE 8042			102
	Levittown	LEV 8001			118
		LEV 8003	107		163
		LEV 8005		128	144
		LEV 8006			171
		LEV 8007			105
		LEV 8009		139	
		LEV 8010	102		
		LEV 8011			143
		LEV 8012	114		
		LEV 8013			128
		LEV 8014	102	183	
		LEV 8015		132	305
	Liberty Street	LIB 4005			137
		LIB 4009		106	131
	Locust Street	LOC 8004	164		
	Lumberton	LUM 801	233	104	
		LUM 802		102	141
	Maple Shade	MAD 801	157	172	104
		MAD 802		154	141
		MAD 803	104	150	125
	Market Street	MAK 400		144	
	Marlton	MAR 800	301	123	142
		MAR 801	330	222	187
		MAR 802	109	226	145
	Medford	MDF 8013	127		153
		MDF 802	140	107	
		MDF 8022	113		137
		MDF 8023	160		
		MDF 8024		211	162
	Mount Holly	MOY 400		109	123
	Mount Laurel	MTL 8011	127	130	167
		MTL 8013			135

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
		MTL 8014		145	
		MTL 8015			150
		MTL 8021		120	
		MTL 8023			142
		MTL 8025	104		
	Mount Rose	MRO 801	267	198	
		MRO 802	127		124
	Penns Neck	PEK 8011	170	123	128
		PEK 8021		144	
		PEK 8026	110	118	158
	Pine Street	PIN 4001		476	
		PIN 4004	254		149
		PIN 4007		191	231
	Plainsboro	PLI 8009	142		
		PLI 8012	162		
	Princeton	PRI 4001	107		157
	Rocky Hill	ROC 8001		106	
		ROC 8002	212		
	Runnemede	RUN 8001		168	
		RUN 8003	140		
		RUN 8004		116	
	Southampton	SOH 8021	115	134	
		SOH 8022	149	115	
		SOH 8032	131	109	127
	Stanwick	STN 4002	322		
	Stanwick Unit	STK 8003		111	
	State Street	STA 8051	171		
		STS 4010	106		
	Thirty Second Street	THY 4001	140		
		THY 4002	140		
		THY 4003	140		
		THY 4004		103	
		THY 4005	140		
		THY 4006	119		627
		THY 4008	172	323	
		THY 4009	140		
		THY 4011	189		223
		THY 4012		112	
		THY 4013	140		
	Thorofare	THO 8011		144	167
		THO 8012		113	
		THO 8013	107	123	135
		THO 8014		145	198
		THO 8021	110	109	162
		THO 8022		137	198
		THO 8024		132	129
	Westmont	WMT 400		237	148
	Woodbury	WRY 400	114		106
		WRY 401	175		103

High CAIDI			Year		
Division	Substation	Circuit	2006	2007	2008
	Woodbury Unit Sub	WBY 804		137	
	Woodlynne	WYN 400		372	179
	Yardville	YRD 8011	236		
		YRD 8012		108	
Total			324	321	297

EXHIBIT ATTACHMENT CPS-C

SAIFI Performance Worse Than Benchmark Mean

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
03	Adams	ADA 8012			1.208
		ADA 8022		1.474	2.023
		ADA 8023	1.397		1.426
		ADA 8024		1.215	
		ADA 8026	1.401		
	Aldene Sub	ALD 8012	2.77		
		ALD 8014	1.54		
		ALD 8023			1.452
		ALD 8025	1.262	2.082	
	Avenel	AVE 4007		3.014	
	Bayway	BAY 4006	1.958		
	Bennetts Lane	BEN 8012		1.188	
		BEN 8013	1.717	1.352	2.184
		BEN 8016			1.204
		BEN 8023		2.006	1.753
		BEN 8024			1.641
		BEN 8025	1.169		
		BEN 8026			2.305
	Brunswick Sub	BRU 8012			1.865
		BRU 8021			2.018
		BRU 8022			1.734
	Cliff Road	CLI 8001			2.097
	Cranford	CRA 4012		1.157	
		CRA 4013		1.772	
		CRA 4014		2	
		CRA 4016		2.517	3.088
	Dayton Unit	DAY 8002		1.422	
	Doremus Place	DOR 8012		1.225	
		DOR 8015	1.672		
		DOR 8022	1.393	2.668	
		DOR 8025		1.759	
		DOR 8032		1.799	
		DOR 8034		1.281	
		DOR 8035	2.602		
		DOR 8043	1.798	2.101	
		DOR 8045		2.018	
	Edison	EDI 4006			3.87
		EDI 4009		2.01	
	Fanwood	FAW 801	5.652	3.897	1.263
		FAW 802	2.361	2.561	2.667
	Finderne	FIN 4003	1.706	1.992	
	First Street	FIR 4001		1.969	3.136
		FIR 4002			2.034
		FIR 4005			2.08
		FIR 4006	4.961		
	Franklin Unit 2	FRA 8002	3.971		
	Franklin Unit 3	FRA 8003			2.068

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
	Front Street	FRO 4008	1.954		
		FRT 8004			1.96
	Green Brook	GBK 8011		1.508	1.474
		GBK 8012			1.163
		GBK 8013		1.585	
		GBK 8014	1.387		
		GBK 8021	1.225	1.874	
		GBK 8022		2.319	
		GBK 8024		2.053	
	Harts Lane	HAT 8012		2.773	
		HAT 8014		1.768	
		HAT 8022	1.515		1.263
		HAT 8023	1.587		
		HAT 8027		1.779	3.02
		HAT 8035	1.409		1.968
		HAT 8037			1.202
	Keasbey	KEA 4001			1.915
	Kilmer	KIL 8012	1.852		
		KIL 8013	3.27		
		KIL 8022		1.991	
		KIL 8025			1.391
		KIL 8034	1.207		
		KIL 8035	1.311	3.651	1.609
		KIL 8042	1.335	1.204	
		KIL 8043	1.678	1.301	1.967
		KIL 8044			1.638
	Lafayette Road	LAF 8012	1.872	1.95	
		LAF 8022		1.68	
		LAF 8023	1.255	2.101	
	Lake Nelson	LAK 8012			1.194
		LAK 8024		1.172	2.163
	Lehigh Avenue	LEH 4002		1.406	2.995
		LEH 4004		2.008	
	Meadow Road	MEA 801	1.489		2.048
		MEA 802	1.521	2.725	1.577
	Mechanic Street	MEC 4007			2.045
		MEC 4013			1.419
	Minue Street	MIN 8011	1.413		
		MIN 8015	2.669		
		MIN 8023		1.39	1.685
		MIN 8025	1.711		
	Mountain Avenue	MON 800	1.571	2.695	3.299
	Moutainside Unit	MSD 800	2.136		1.718
	New Dover	NED 8013	1.175		1.453
		NED 8014		1.239	1.908
		NED 8015	1.61		
		NED 8026		1.379	
	North Avenue	NOT 8024		1.591	
	North Bridge Street	NBS 8011			1.396

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
		NBS 8012			1.413
		NBS 8013		1.858	
		NBS 8021			2.05
	Pierson Avenue	PIE 8011		2.367	
		PIE 8012		1.164	
		PIE 8013		1.64	
		PIE 8015		2.236	
		PIE 8021		1.299	
		PIE 8022		2.385	2.618
		PIE 8023		2.135	
		PIE 8024		1.341	2.105
		PIE 8025		3.463	1.724
	Plainfield	PLA 4008	1.99		
		PLA 4012	2.013		
		PLA 4013	2.275		
	Pleasant Street	PLS 4008	1.972		
	Polhemus Lane	POH 8011	2.103	2.124	
		POH 8012			1.206
		POH 8013			1.563
		POH 8015			2.018
		POH 8023		1.509	1.752
		POH 8024			2.215
		POH 8025			1.35
	Rahway	RAH 4001	2		
		RAH 4002	2.091		
		RAH 4003	1.99		
		RAH 4004	2.182		
		RAH 4005	1.977		
		RAH 4006	1.995		
		RAH 4007	1.999		
		RAH 4008	2.002		
		RAH 4009	2		
		RAH 4010	2.003		2
		RAH 4011	2.972		
		RAH 4012	2.074		1.207
	Raritan Valley	RAR 4002			2.056
		RAV 8003			1.243
	Roselle	RSL 4007	2.007		
	Sand Hills	SDH 8024	1.357	1.175	
		SDH 8026		1.52	
		SDH 8031		1.767	
		SDH 8032		1.36	
	Scotch Plains	SCO 4001	1.612		
		SCO 4003		1.472	
	Somerville	SMV 8012		1.676	1.64
		SMV 8015	1.276	1.776	
		SMV 802		2.231	
		SMV 8023	1.502		
		SMV 8024		1.684	
	South Second Street	SOS 8025	1.782	1.949	1.516

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
	Springfield Road	SPF 8012			3.331
		SPF 8022		2.521	1.347
		SPF 8023	1.239		
		SPF 8025	1.7		
		SPF 8026	2.495		
	Sunnymeade	SUN 8011	1.556		
		SUN 8012	2.95		
		SUN 8013	1.163		1.256
		SUN 8015			2.576
		SUN 8021	2.961		
		SUN 8022		2.076	
		SUN 8025		1.192	1.368
		SUN 8044		1.427	1.163
		SUN 8045	1.928		1.824
		SUN 8047		1.866	
		SUN 8049		1.776	
	Tremley	TRE 4002		1.909	
	Union	UN 4001		2.015	
		UN 4004			1.983
		UN 4010		1.203	
	Vauxhall Road	VXL 4001		1.367	2.052
	Warinanco	WAN 801		1.753	1.512
		WAN 802			2.361
	Westfield	WFL 8002	1.961		
		WFL 8003	1.267		
		WFL 8032		1.398	
		WFL 8043		2.993	3.138
	Woodbridge	WOR 801			1.381
		WOR 803		1.155	
05	Academy Street	ACA 4005	2.007		
	Bayonne Sub	BAO 8006	3.898		2.035
		BAO 8013			2.573
		BAO 8015	1.254	1.41	1.77
		BAO 8025	1.706	1.195	
	Bergen Point	BER 4013			1.187
	Bergenfield	BEF 8001		1.355	
	Carlstadt	CAR 8001	1.159	1.309	1.263
	Constable Hook	CON 8001	1.835		2.038
	Culver Avenue	CUL 4001			2.345
		CUL 4004			2.062
		CUL 4007			1.435
	Dumont	DUM 400	1.232	1.302	2.052
	East Rutherford Sub	EAT 8011		1.402	
		EAT 8021		1.158	
		EAT 8022	2.832		
		EAT 8023	2.977		
		EAT 8025		1.948	
	Englewood	ENG 4005			1.196
		ENG 4012		1.926	

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
		ENG 4013	4.186		3.056
		ENG 4014	2.118		
		ENL 8004	1.725		1.555
	Fairview	FAV 4002	1.402		
		FAV 4006	1.992		
		FAV 4008	1.963		2.871
	Fort Lee	FOT 8004			1.927
	Garfield Avenue	GAE 4006	2.917		2.969
	Garfield Place	GAF 4004	2.155		
	Greenville	GRN 4006		2	
	Hackensack	HAC 4007	1.98		
		HAC 4018	1.947		
	Harrison	HAR 4003			1.562
		HAR 4013		3.103	
		HAR 4014		1.965	2.011
		HAR 4020	2.927		
	Hasbrouck Heights	HBG 4001			2.037
		HBG 4002			2.325
		HBG 4003			2.121
		HBG 4004			2.071
		HBG 4006			3.189
		HBG 4007			2.034
		HBG 4008		1.683	4.032
		HBG 4009			2.005
		HBG 4010			3
		HBG 4011			2.125
		HBH 8004	2.121		
	Hillsdale	HID 8011		2.1	
		HID 8012			2.115
		HID 8014			1.548
		HID 8021	1.174	1.298	1.292
		HID 8022	1.452		
		HID 8023			3.827
		HID 8025			4.081
		HID 8033		2.007	3.695
		HID 8042			1.973
		HID 8043	2.19		
	Homestead	HOM 802	2.499		
		HOM 803		2.008	
	Kingsland	KIN 8021			1.456
	Leonia	LEO 8003		2.898	
		LEO 8005	1.479		3.121
		LEO 8007			3.796
		LEO 8031	1.744	1.865	2.341
		LEO 8032		1.634	
		LEO 8033	1.257	2.489	
		LEO 8034		3.131	
		LEO 8035			1.286
		LEO 8041			2.796
		LEO 8042			1.608

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
		LEO 8043			1.574
		LEO 8044		1.67	
		LEO 8045	1.657		
	Little Ferry	LIT 8004		1.179	
	Lodi	LOI 8001	1.513		
	Lyndhurst	LYN 8001		1.795	2.24
	Madison Street	MDS 4002		1.719	
	Marshall Street	MAS 4004		1.921	2.01
		MAS 4010			1.333
	Maywood	MAY 801	1.515	1.919	
		MAY 802	2.135	2.431	
		MAY 803	1.536	1.227	2.45
	New Milford	NEW 801	3.258	3.754	2.375
		NEW 802	1.647	2.941	3.772
		NEW 803	2.672	3.293	1.657
		NEW 804	2.291	4.617	2.985
	North Bergen	NRB 8012			1.981
	Paramus	PAR 4006	1.213		
	Penhorn	PEH 8001	1.584		
		PEH 8008	3.284		
		PEH 8013	1.56		
		PEH 8022			1.342
		PEH 8025			1.606
	Ridgefield	RFD 4001			3.032
		RFD 4002			3.143
		RFD 4003			3.931
		RFD 4004			4.927
		RFD 4005			3.098
		RFD 4006			3.442
		RFL 8011		1.159	
		RFL 8014	1.284		
		RFL 8015	1.543		
		RFL 8034	1.698		
		RFL 8035			1.678
		RFL 8042	2.433		
		RFL 8043			2.202
		RFL 8045			1.213
	Ridgewood	RGW 401		1.965	
	River Edge	RID 4001		1.714	
		RID 4003	2.053	1.912	
		RID 4005		1.983	2.715
		RID 4006		2	
		RIG 8003	1.384		2.488
	River Road Sub	RVR 8021	1.625		
	Saddle Brook	SAD 8001	1.155		
		SAD 8006		1.196	
		SAD 8007		1.201	
		SAD 8032		1.316	
		SAD 8033		2.881	2.218

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
		SAD 8042	1.607		
		SAD 8044	1.639	1.738	
	St Pauls	STP 8001			2.351
	Teaneck	TEA 4003	2.422		
		TEA 4005			1.966
		TEA 4009			2.006
	Turnpike	TUR 8001	3.492		
	Van Winkle Street	VNL 8004		1.343	
		VNL 8005	1.275		1.918
	Waldwick	WAD 801	3.596	2.054	2.288
		WAD 802	3.018	1.304	2.167
	West New York	WNY 400		2.035	2.046
		WNY 401			2.04
	Westwood	WOD 400	1.294		2.432
07	Allwood	ALL 4006		2.021	
	Bloomfield	BLO 4016			1.157
	Cedar Grove	CED 8013	1.484		1.546
		CED 8022	2.806		1.168
		CED 8023			3.828
		CED 8025	2.421		
		CED 8026			1.573
	Central Ave	CET 4004	2.07	1.364	
		CET 4008			1.562
		CET 4012		1.975	
	Clay St	CLE 4001		1.478	
		CLE 4003			1.938
		CLE 4014	1.942		
		CLE 4015	1.183		
	Clifton	CLF 8012			1.543
		CLF 8015			1.611
		CLF 8016	1.183	1.571	1.704
		CLF 8022		1.86	1.568
		CLF 8024		1.854	
	Cook Rd	COR 8011	1.565	2.106	4.229
		COR 8012		4.733	
		COR 8013		1.976	
		COR 8015	1.328		1.72
		COR 8022	2.227		
		COR 8023		1.776	
		COR 8024		2.36	
		COR 8025		2.056	
		COR 8031	3.116		
		COR 8032	1.656	4.526	2.874
		COR 8033	3.446	1.205	
		COR 8042	1.371	1.575	
		COR 8043	1.805	1.785	
		COR 8044			4.433
	East Orange Sub	EAO 4001	1.969		
		EAO 4002	1.991		

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
		EAO 4004	1.781		
		EAO 4005	2		
		EAO 4007	2		
		EAO 4010	2.037		
		EAO 4011	2		
		EAO 4012	1.303		
		EAO 4020	2.085		
		EAO 4021	1.674		
		EAO 4022	2.196		
		EAO 4023	2.992		
		EAO 4025	1.998		
	Fairlawn	FAR 4006	1.96		
	Federal Square	FED 4022		2.093	
		FED 4030	1.978		
	Foundry St	FOU 8012		1.316	
		FOU 8013		2.792	
		FOU 8014	2.44	3.279	2.134
		FOU 8022		3.216	1.327
		FOU 8023		3.099	2.879
		FOU 8024	4.108		
	Fourtieth St	FOH 4002	2.999	1.458	
		FOH 4004			3.437
		FOH 4006	1.173		
		FOH 4007	1.362		
	Getty Ave	GET 4002			2.098
		GET 4003			2.008
		GET 4004			2.029
	Haledon	HAL 4002	1.38		1.971
		HAL 4005			3.267
		HAL 4006	1.989		
		HAL 4007			3.086
		HAL 4008	1.47		
	Hawthorne	HAW 801		2.602	2.206
		HAW 802	1.667	1.438	1.356
	Hinchmans	HNC 8012	1.839		1.229
		HNC 8024			2.558
	Ironbound	IRO 4003	1.264		
		IRO 4005		1.561	
	Irvington	IRV 4002		1.385	
		IRV 4004		1.989	
		IRV 4006			2.028
		IRV 4010		2.003	
		IRV 4011		1.159	
		IRV 4015		1.207	
		IRV 4016		2.012	
		IRV 4017		2.002	
		IRV 4019		1.233	
		IRV 4020		1.988	
	Jackson Rd	JAC 8012			1.173
		JAC 8015		1.221	

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
		JAC 8022	1.273		
		JAC 8023			1.24
		JAC 8024	1.628		
		JAC 8025		2.033	
		JAC 8032	3.044	1.699	1.386
		JAC 8033	3.709		4.223
	Kuller Road	KUL 8012	2.347		2.098
		KUL 8013		1.706	
		KUL 8022		1.227	
		KUL 8023	1.345		
	Lakeside	LAS 4010			2.018
		LAS 4019	1.965	3.623	
	Laurel Ave	LAU 8011	1.178		
		LAU 8015	3.273	1.906	1.553
		LAU 8021			1.612
		LAU 8024			1.189
		LAU 8035	2.06	2.38	1.625
		LAU 8036		1.523	1.312
		LAU 8046			2.109
	Marion Drive	MAI 8011	1.402	4.826	2.144
		MAI 8012	1.896	1.175	2.057
		MAI 8013	5.403	2.219	
		MAI 8014	1.242	2.053	
		MAI 8021	3.129	2.939	
		MAI 8022	1.818		
		MAI 8024	1.805	2.393	
	McLean Blvd	MCL 400			1.407
		MCL 4006		3.008	
		MCL 4009	1.472	2.214	
		MCL 4010	2.004		
	Montclair	MNT 400	3.263		1.154
		MNT 401	4.021	1.5	
	Nevins Road	NEV 8001	1.615		1.994
		NEV 8002		1.751	2.112
	Nineteenth Ave	NIN 4002			3.03
		NIN 4006			1.274
	North Paterson	NRP 4002	1.995		
		NRP 4003			1.288
		NRP 4005			1.231
		NRP 4007			2.055
		NRP 4010			2.064
		NRP 4013		1.946	
		NRP 4015		2.017	3.009
	Nutley	NUT 4001			3.092
		NUT 4002		1.378	
	Oak St	OAK 4003		2.158	
		OAK 4006			1.985
		OAK 4008			1.221
	Orange Valley	ORA 4001	1.347	2.082	
		ORA 4004		1.182	

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
		ORA 4006		3.997	2.061
		ORA 4007	1.929		2.504
	Passaic	PAS 4001		2.01	
		PAS 4002		1.962	
		PAS 4003		3.454	
		PAS 4004		1.953	
		PAS 4005		2.829	
		PAS 4006		1.944	
		PAS 4007	1.956	1.977	
		PAS 4008		1.982	
		PAS 4009		1.986	
		PAS 4010		1.994	
		PAS 4011	2.033	6.583	2
		PAS 4012		1.991	
		PAS 4013		1.992	
		PAS 4014		1.987	
		PAS 4015		1.991	
		PAS 4016		2.967	
		PAS 4017		1.952	
		PAS 4018		1.99	
		PAS 4019		1.2	
		PAS 4020	1.994	1.981	
	Paterson	PAT 4003			2.924
		PAT 4010			2.042
		PAT 4011	2.998		
		PAT 4012	2.051		4.039
		PAT 4016	1.318		
	Plank Rd	PLN 4005		2	
		PLN 4016	1.377		
	Plauderville	PLR 4007		4.945	
	Port St	POR 4002	1.958	1.833	
		POR 4003		2	2.103
		POR 4004		4.103	
		POR 4006		4	
	So Orange	SOO 4002			1.664
		SOO 4003		2.263	
		SOO 4004	2.424		
		SOO 4007		2.104	
		SOO 4012	1.689	2.058	
		SOO 4013	2.382		4.148
	So Paterson	SOP 4004			2.028
		SOP 4005			2.066
		SOP 4010			2.003
	Toneys Brook	TNY 4001	2.003		
		TNY 4002	2.742	1.217	
		TNY 4004	2.059		
	Totowa	TOT 4001	2.007		2.375
		TOT 4003		2.063	
		TOT 4007		3	
	Van Houten Ave	VNH 4003	2.003		

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
		VNH 4006	4.306		
		VNH 4008		1.58	
	Warren Point	WAR 400	2.933	2.016	1.271
	Waverly	WAV 400		3.892	
		WAV 401	1.274	1.936	1.397
	West Caldwell	WEW 801	1.541	1.577	2.003
		WEW 802			2.335
		WEW 803	1.513		
		WEW 804	2.098	2.81	2.166
08	Audubon	AUD 4002			1.977
		AUD 4004	1.986		
	Beaver Brook	BEA 8001	1.361	2.557	
		BEA 8002		1.376	
		BEA 8004			1.665
		BEA 8005	1.261	1.641	2.22
		BEA 8006			1.178
		BEA 8007		1.227	
		BEA 8008		1.167	1.471
		BEA 8009		1.663	1.598
	Bordentown	BOR 4007		1.282	2.122
	Bustleton	BUS 8013	1.315	2.791	3.046
		BUS 8014	1.645		2.871
		BUS 8015	1.965		2.612
		BUS 8022		1.179	1.38
		BUS 8023		1.306	1.325
		BUS 8024	1.336	1.978	3.097
	Camden Sub	CAS 8002	1.434		3.402
	Chauncey Street	CHA 4001	3.203		
		CHA 4005			2.036
		CHA 4009	2.659		
		CHA 4014	3.051		
		CHA 4015	2.613		
	Cinnaminson	CIN 8001	1.273		
		CIN 8002	1.563		
		CIN 8005	2.069		
		CIN 8006	1.629		
		CIN 8009			1.553
		CIN 8010	1.697		
		CIN 8011	2.61		
		CIN 8012	1.269		
		CIN 8033			1.575
		CIN 8041			2.222
	Clarksville	CLK 8011		2.051	
		CLK 8013	1.571		
		CLK 8014	1.849	1.54	1.154
		CLK 8015	2.441		1.581
		CLK 8026		2.844	
	Collingswood	COL 4003	3.872		
	Coxs Corner	CXC 8021		1.184	

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
		CXC 8022		1.377	1.37
	Crosswicks	CRX 8001	3.782	1.586	
		CRX 8002		1.376	
		CRX 8003	2.077		
		CRX 8004			1.302
		CRX 8006		2.184	
	Cuthbert Blvd	CUT 8001		1.277	
		CUT 8002		1.645	
		CUT 8004		2.63	2.354
		CUT 8005	1.341	1.191	
		CUT 8010	1.594		
		CUT 8032	2.13	2.774	
		CUT 8033		1.586	
		CUT 8034			3.706
		CUT 8035		2.992	
		CUT 8041	2.128		
		CUT 8042			2.035
		CUT 8044	2.311		
	Deptford	DFD 8001		1.932	
		DFD 8002		2.176	1.906
		DFD 8003		3.042	
		DFD 8004	3.187	1.208	1.505
		DFD 8006		1.464	
		DFD 8007	1.432		
		DFD 8008		1.297	
		DFD 8010	2.087	2.819	
	Devils Brook	DVB 8013	2.126		
		DVB 8025			1.916
	East Riverton	EAR 4002			1.17
	Ewing	EWI 4007		2.954	2.044
		EWI 4008		2	
	Fernwood	FEN 8041		1.387	
		FER 4007			2.04
		FER 4008		2	
	Haddon Heights	HAD 4002		1.315	2.385
		HAD 4003		3.003	2.038
		HAD 4005		2.994	
		HAD 4008		3.114	
		HAD 4009		2.022	2.088
		HAD 4010		3.088	2.018
	Hamilton	HAM 400			2.012
	Hilltop	HLT 8003		1.254	
	Kuser Rd	KUS 8004	1.58		
		KUS 8005		1.682	
		KUS 8007	2.154	1.484	
		KUS 8008	1.276	2.307	
		KUS 8032	2.29	2.088	
		KUS 8034		1.808	
		KUS 8043		1.794	
		KUS 8044		1.695	

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
	Lamberton Rd	LAM 800	1.435		
	Lawnside	LAW 801		2.306	1.402
		LAW 802	4.191	1.264	1.395
	Lawrence Sub	LCE 8003	2.484	1.874	
		LCE 8004	1.47		
		LCE 8006	1.699	1.769	
		LCE 8008	1.759		
		LCE 8009		1.259	3.011
		LCE 8042	1.503	4.094	
		LCE 8044	1.731		
		LCE 8046	1.973		
	Lawrence Unit Sub	LCU 8051	2.123	3.202	2.7
	Levittown	LEV 8001			1.299
		LEV 8003		1.492	
		LEV 8004		2.867	1.925
		LEV 8005	2.307		
		LEV 8006	1.225		
		LEV 8007	1.63		1.176
		LEV 8008		1.578	
		LEV 8010		1.853	
		LEV 8012			1.393
		LEV 8016	1.255	2.407	
		LEV 8018		2.057	
	Liberty Street	LIB 4007			1.774
	Lumberton	LUM 801			1.648
		LUM 802	3.055		1.731
	Maple Shade	MAD 801	2.184	1.383	2.815
		MAD 802		3.035	1.957
		MAD 803		1.648	2.478
	Market Street	MAK 400		1.373	
	Marlton	MAR 800		1.787	
		MAR 801	1.226	1.491	1.266
		MAR 802		1.165	
	Medford	MDF 801		1.863	
		MDF 8013			1.38
		MDF 8022		1.347	1.955
		MDF 8023		1.452	
		MDF 8024	1.915	1.476	2.16
	Mount Laurel	MTL 8012	3.666	3.09	1.609
		MTL 8013	1.298	2.692	
		MTL 8021			2.1
		MTL 8023		1.657	
		MTL 8025		1.828	2.326
	Mount Rose	MRO 801	3.526	1.694	6.069
		MRO 802	1.297	3.886	2.597
	Penns Neck	PEK 8011	1.225		
		PEK 8021	2.563		
		PEK 8022	1.973	4.093	3.95
		PEK 8023	1.691		1.923

High SAIFI			Year		
Division	Substation	Circuit	2006	2007	2008
		PEK 8035	1.723		
	Pine Street	PIN 4004			1.629
	Plainsboro	PLI 8004	1.323		1.291
		PLI 8005	2.161	1.211	
		PLI 8006	2.191	1.376	
		PLI 8007	2.738	1.66	2.15
		PLI 8011			1.375
		PLI 8012			1.508
	Princeton	PRI 4001	3.02		1.152
		PRI 4004			2.967
	Riverside	RIV 8006		1.591	
	Rocky Hill	ROC 8001		1.628	1.623
		ROC 8002	3.045	1.919	1.748
	Runnemede	RUN 8004		2.825	
	Southampton	SOH 8021			4.742
		SOH 8022			3.089
		SOH 8031	1.966		1.359
		SOH 8032	1.17		2.238
	Stanwick Unit	STK 8003			2.65
	State Street	STA 8041		1.486	
	Thirty Second Street	THY 4003			1.254
		THY 4004	2.045		1.339
		THY 4007	1.967		1.538
		THY 4010	1.993		
		THY 4011	1.154		
		THY 4012	1.981		
		THY 4013			2.242
		THY 4014	1.987		
	Thorofare	THO 8011			1.206
		THO 8012		1.337	
		THO 8013	1.903	1.646	2.035
		THO 8021		1.531	2.462
		THO 8023		2.788	
		THO 8024		1.34	1.788
	Westmont	WMT 400	2		2.236
	Woodbury	WRY 400	1.992		
		WRY 401	1.993		1.151
	Woodlynne	WYN 400	1.257	1.3	
	Yardville	YRD 8012			1.541
		YRD 8013			1.665
		YRD 8022	2.043		
Total			303	329	314

EXHIBIT ATTACHMENT CPS-D

Circuits With >25% Overload

Division	kV	Circuit A	2009	2010	2011
Central	4	CAT 4005	26.6%	120.5%	121.2%
Central	4	CRA 4013	24.4%	37.1%	38.9%
Central	4	FIR 4003	23.6%	25.3%	27.0%
Central	4	MEC 4013	44.1%	44.1%	44.1%
Central	4	SCO 4001	68.3%	68.7%	69.6%
Central	4	SCO 4002	64.3%	65.2%	66.1%
Central	4	SCO 4003	44.1%	44.9%	45.4%
Central	13	ADA 8011	24.3%	27.0%	29.3%
Central	13	ADA 8022	19.4%	23.1%	25.4%
Central	13	ADA 8024	33.9%	38.1%	40.6%
Central	13	ALD 8014	24.6%	26.9%	29.1%
Central	13	ALD 8025	27.1%	28.9%	31.1%
Central	13	BEN 8013	15.6%	24.6%	27.7%
Central	13	GBK 8013	23.0%	25.3%	27.9%
Central	13	GBK 8021	28.4%	30.6%	33.1%
Central	13	LAF 8011	23.3%	25.0%	26.3%
Central	13	LAK 8014	41.7%	57.4%	65.3%
Central	13	MEA 8025	29.6%	7.3%	7.9%
Central	13	PIE 8011	9.4%	30.3%	33.6%
Central	13	SDH 8025	25.3%	28.4%	32.9%
Central	13	SDH 8026	20.4%	23.4%	27.7%
Central	13	SDH 8035	22.6%	25.6%	30.0%
Central	13	SMV 8014	14.7%	36.6%	40.4%
MET	13	BRA 8011	30.6%	23.7%	24.3%
MET	13	CLF 8023	13.9%	25.0%	27.0%
MET	13	CLF 8025	24.1%	27.3%	28.7%
MET	13	FOU 8014	14.6%	24.7%	26.6%
MET	13	HAW 8014	25.3%	34.0%	34.7%
MET	13	KUL 8011	22.3%	24.4%	26.7%
MET	13	MAI 8012	30.0%	31.7%	33.6%
MET	13	WAD 8023	30.0%	30.7%	31.4%
PAL	4	ENG 4004	34.1%	35.4%	36.6%
PAL	4	ENG 4005	25.3%	26.7%	28.1%
PAL	4	ENG 4007	26.2%	27.3%	28.5%
PAL	4	ENG 4009	42.8%	44.1%	45.5%
PAL	4	GAE 4006	9.3%	24.7%	26.0%
PAL	4	HAR 4003		27.4%	28.8%
PAL	4	MOG 4006	8.2%	30.6%	32.3%
PAL	4	TEA 4003	9.0%	30.8%	32.2%
PAL	4	THR 4009	9.3%	32.8%	34.3%
PAL	4	TON 4002	8.0%	48.3%	48.3%
PAL	13	BAO 8022		32.6%	32.9%
PAL	13	CON 8001		29.0%	29.3%
PAL	13	HOM 8023	46.0%		
PAL	13	LEO 8044	35.7%	35.7%	

Division	kV	Circuit A	2009	2010	2011
PAL	13	NRB 8013	41.4%		
SOU	13	BUS 8023	38.0%	42.1%	46.3%
SOU	13	CRX 8002	38.3%	28.3%	32.1%
SOU	13	CRX 8005	27.4%	18.1%	21.7%
SOU	13	CUT 8004	21.9%	25.6%	16.4%
SOU	13	DFD 8001	25.3%	29.1%	19.7%
SOU	13	LUM 8022	36.9%	12.9%	16.1%
SOU	13	MAD 8033	36.0%	26.1%	29.9%
SOU	13	MDF 8011	41.0%	16.1%	19.7%
SOU	13	MTL 8014	34.0%	38.1%	42.3%
SOU	13	PEK 8013	43.6%	18.3%	21.9%
SOU	13	PEK 8021	38.1%	42.3%	31.9%
SOU	13	YRD 8013	34.6%	24.9%	28.6%