

CHAPTER 9

REVENUE

CHAPTER 9 REVENUE EXPENDITURES

Items classified as "revenue work" include line extensions specifically built to connect new loads, street lighting installations, and the purchase of distribution transformers and meters. The estimated costs for items included in the revenue category are primarily based on statistical analysis of general information rather than specific identified load additions. Included in the analysis are forecasts of new construction activity and estimates of new dwelling units to be added, supplied by Rates and Market Research; and on historical per customer cost information for the different categories, provided by the Distribution Department.

"Revenue Work" is performed by the same division personnel that handle the various area supply capital projects. Revenue work is very sensitive to the numbers of new dwelling units to be connected in an area, and thus is highly variable and localized. Since it is regarded as having the highest priority, it is often performed ahead of and frequently to the exclusion of other capital area supply projects. Large overbudget expenditures in "revenue work" tend to result in underexpenditures and delays in completing various area supply capital projects.

Initiatives were implemented in 1992 to better understand the nature of the costs classified as revenue expenditures and ways to control them effectively. Also, to promote further control, a conscious decision was made to not budget certain uncertain costs. For example, rather than reflecting all possible street lighting costs, only likely costs were budgeted. Other costs would be given unbudgeted approval if appropriate.

The result was establishing a target amount for revenue expenditures of \$80 million in 1992. Consistent with this approach to budgeting for 1992, the annual expenditure projections for the subsequent four years were capped at the same \$80 million per year level.

Actual expenditures as of August 31, 1994 were \$57.4 million. It is expected that the total 1994 expenditures may exceed the \$80 million target.

Based on the present forecasts of construction activity, estimates of new dwelling units and the initiatives applied in 1992, the \$80 million target is going to continue to be applied for revenue expenditures in 1995 and the subsequent four years. It is recognized, however, that there is some exposure to exceeding this amount pending an analysis of the root cause(s) of 1994 overspending and the resolution of workforce restructuring studies.

Power Conditioning Program

A new program was added to the 1994-1995 Budget. It was a proposed program that would offer our customers a power conditioning service. This service would meet customer's power conditioning needs by addressing problems and concerns including surge protection and voltage fluctuations. Earlier this year, a business plan was completed for that program. The results indicated fewer potential customers and a conclusion that such a program would be more appropriately included within an unregulated subsidiary. A case involving, in part, the regulated/unregulated character of a similar program proposed by another Pennsylvania utility is currently pending before the PUC. Based on the conclusion of the business plan, funds are no longer included in the Revenue category for this program; however, pending PUC action, an item is included in the chapter outlining "Potential Capital Expenditures Not Included in the Base Capital Plan" (Chapter 11) to indicate the possibility that funding from within the regulated environment may be required.

The following Table 9-1 shows the budgeted expenditures for Revenue work for the 1995-1999 period:

TABLE 9-1
REVENUE EXPENDITURES
\$ MILLIONS - ESCALATED

	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	Total <u>1995-1999</u>
69 KV Revenue Extensions	1.2	1.2	1.2	1.2	1.2	6.0
12 KV Revenue Extensions						
Specific ER's	11.3	11.3	11.3	11.3	11.3	56.5
Subordinate ER's and WO's	46.0	46.0	46.0	46.0	46.0	230.0
Street Lighting	3.0	3.0	3.0	3.0	3.0	15.0
Distribution Transformers	14.0	14.0	14.0	14.0	14.0	70.0
Meters	4.5	4.5	4.5	4.5	4.5	22.5
TOTAL	80.0	80.0	80.0	80.0	80.0	400.0

CHAPTER 10

GENERAL BUILDINGS & OTHER CAPITAL

CHAPTER 10
BUDGET DISCUSSION
GENERAL BUILDINGS AND OTHER CAPITAL

A. GENERAL DISCUSSION

This chapter discusses the capital projects identified and budgeted in the General Buildings category, and all other capital expenditures not covered in previous chapters. Table 10-1 shows a breakdown of these expenditures for the 1995-1999 five-year period for each segment of this category.

B. GENERAL BUILDINGS PROGRAM

The building category includes all the facilities required to replace old deteriorated buildings requiring major repairs; to comply with OSHA regulations; to provide adequate space to meet personnel requirements; and to correct inefficient work operations. Included are all building projects other than those located at existing generating plants and bulk power substations. The buildings at the generating plants (including Transportation and Construction Department buildings) are included and identified in the lists of projects which support Chapter 4 - Existing Generation Nuclear and Chapter 5 - Existing Generation Fossil and Hydro.

As described in Chapter 1, target expenditure and manpower levels have been established for preparation of the 1995 and 1996 Capital Budgets and the 1995-1999 Capital Construction Program in order to promote stable and competitive rates. Consistent with the strategies discussed in Chapter 1, buildings projects are scheduled based on consideration of the consequences of deferral and the need for coordination among projects. For buildings projects, the scheduling of projects is over a ten-year horizon and includes expenditures at Susquehanna SES, existing fossil and hydro stations and substations. Those projects are, as noted above, budgeted within those specific categories.

**TABLE 10-1
BREAKDOWN OF GENERAL BUILDINGS
AND OTHER CAPITAL BY CATEGORY
\$ MILLIONS - ESCALATED**

	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	Total <u>1995-1999</u>
<u>GENERAL BUILDINGS</u>						
o Major Projects - Div. Oper.	5.2	4.9	6.3			16.4
o Minor Projects - Div. Oper.	2.3	0.6				2.9
o System Facility Center	0.8					0.8
o General Office Complex	3.1	1.7	2.3	2.4	2.3	11.8
o Land Management	0.3	0.2				0.5
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
SUB-TOTAL	11.7	7.4	8.6	2.4	2.3	32.4
ADJUSTMENT	(1.8)	(1.1)	(1.3)	(0.4)	(0.3)	(4.9)
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
TOTAL	9.9	6.3	7.3	2.0	2.0	27.5
 <u>OTHER CAPITAL</u>						
o Sites & Right-of-Way	0.7	0.7	0.7	0.8	0.8	3.7
o Computer Software	39.8	55.5	30.5			125.8
o General/Miscellaneous	7.1	6.7	7.7	6.8	6.9	35.2
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
TOTAL *	47.6	62.9	38.9	7.6	7.7	164.7

NOTE:

* Excludes rounding adjustment.

A total of \$10.1 million is budgeted in 1995 and \$6.3 million in 1996. For the 1995-1999 five-year period, \$27.6 million is estimated.

1. DIVISION OPERATIONS

a) Major Projects

In June, 1993 the Hazleton Facilities Utilization Team completed their study and presented recommendations regarding the disposition of the South Poplar Street facility and establishing a Hazleton Service Center for the Hazleton Operating Area. The recommendation of the team, which has been accepted, was to renovate and expand the South Poplar Street facility for use as the Hazleton Service Center. The estimated total cost of the project is \$5.4 million.

This project was originally scheduled for completion in 1996, but its start has been delayed pending the outcome of restructuring studies. Its current completion date is in 1997 pending the outcome of the restructuring studies

Two other major projects appearing in the 1995-1996 period are the Hamlin Service Center and the Schuylkill Area Service Center. These projects are also on hold pending the completion of restructuring studies.

The Hamlin project is a replacement of the existing Hamlin Service Center which no longer supports the workload in the Pocono region. The Schuylkill project reflects a reconfiguration and consolidation in that area recommended in a local workforce analysis conducted in 1992.

TABLE 10-2
Major Projects - Division Operations
 \$ Millions (Escalated)

	<u>1995</u>	<u>1996</u>	<u>Project Total</u>	<u>Expected Completion Date</u>
Hazleton Service Center	2.2	2.4	5.4	1997
Hamlin Service Center	3.0		3.1	1995
Schuylkill Area S.C.		2.5	2.5	1996

b) Other Projects

In addition to the major projects outlined above, modifications, additions, replacements, and improvements to existing facilities, are budgeted at \$2.3 million in 1995.

2. System Facilities Service Center

The first phase of the System Facilities Service Center in the Humboldt Industrial Park located near Hazleton, which is occupied by the Chem Lab and Test Department, was completed in 1992 at a cost of \$14.0 million.

The second phase of the project began in 1992 and was occupied in the third quarter of 1993 by the Meter and Stores Departments. Total cost of this phase is \$8.0 million.

The third and final phase of the System Facilities Service Center will include the system transformer repair operations and Construction Department. It began in 1993 and is scheduled to be completed in the 4th quarter of 1994 at a cost of \$17.0 million. Final work and moving are scheduled for early 1995.

3. General Office Complex

Continuing renovations and improvements have been included in the budget for the General Office Complex. A number of projects have been identified in the Tower Building and North Building. A total of \$3.1 million is budgeted in 1995 and \$1.7 million in 1996.

4. Land Management Facilities

This budget category includes capital additions, improvements, and replacements at the Company's recreational facilities such as Holtwood, Lake Wallenpaupack, and Montour Preserve. One large project is identified and included in the budget. It is an addition to the visitor center planned at the Montour Preserve facility scheduled for completion in 1996 at \$230,000.

An additional amount of \$120,000 is budgeted in 1995 for demolition of buildings at Holtwood Village.

C. OTHER CAPITAL

This category consists of numerous projects that are not directly a part of Electrical or Production facilities. The projects fall under the general headings of Telecommunications, SCADA, Furniture, Tools, Computer Software, and Retirements.

1. Sites and Rights-of-Way

The expenditures for sites and rights-of-way are estimated at \$0.7 million in 1995 and \$0.7 million in 1996 with a total of \$3.8 million for the 1995-1999 period. The estimated amount for this budget category has been reduced as compared to previous estimates because the siting and R/W costs for Bulk Power projects, Regional Supply and site acquisitions for new Area Supply substation projects

have been included in each project estimate rather than summarized under this item.

The funds budgeted are for additional land requirements at existing generating plants, service center locations, and minor line rights-of-way.

2. Capitalization of Computer Software

This category includes computer software costs that have been designated as capital projects. Two large programs are included in the budget for 1995. They are:

a. Nuclear Information Management System

The proposed system would be a department-wide integrated information system providing easier and more efficient data access, and support most department's work processes. NIMS is a key element of the Nuclear Department's Information Management Strategic Plan (IMSP). Total estimated capital cost of the system is \$24.8 million with a completion date of 1997. \$9.3 million is budgeted in 1995.

b) Division Operations SIGHT Project

The SIGHT Project has three major computer systems being developed. They are the replacement of the Customer Information System, developing Support Information Systems (Automated Mapping/Facilities Management/Geographical Information), and an integrated Work Management System. Estimated capital cost of this project is \$106.3 million with a completion date of 1997. In 1995, \$30.5 million is budgeted and \$46.8 million is budgeted for 1996.

3. Miscellaneous/Other

The remaining areas in the "other" category include purchase of office furniture and equipment, purchase of small tools and equipment, enhancements and small additions to the existing radio and telephone systems, the replacement of underground storage tanks, projects requiring small amounts to complete, re-search projects requiring capital expenditures, and other small items.

Estimated expenditures for these remaining portions of the "Other" category are \$7.1 million for 1995 and \$6.7 million for 1996.

CHAPTER 11

**POTENTIAL CAPITAL EXPENDITURES
NOT INCLUDED IN THE BASE CAPITAL PLAN**

CHAPTER 11
POTENTIAL CAPITAL EXPENDITURES
NOT INCLUDED IN THE BASE CAPITAL PLAN

A. SUMMARY

In addition to the capital construction budget of about \$2057.3 million for the 1995-1999 period, there are potential capital expenditures not included in the base capital plan for the five-year period. Included are estimated expenditures for potential projects which may be required by the Company but are not included in the capital construction budget. Table 11-1 shows the potential capital expenditures by category, by year for the first five years and a total for the second five-year period (2000-2004).

B. CHANGES FROM LAST YEAR

1. NORTHERN PP&L REINFORCEMENT

A second 500-230 kV transformer would have been required at Susquehanna in 1997 if all of the proposed PP&L and NUG base load generation additions had materialized. The cost of this reinforcement was to be shared by PP&L and the NUG developers under the allocation terms of the Group 3 Joint Stipulation. Based upon the actual projects meeting the established milestones, it has been determined that the Northern PP&L Reinforcement will not be required in the five year period. It is, therefore, deleted from the list of potential capital expenditures.

C. POTENTIAL PROJECTS

1. PENNSYLVANIA DER RESIDUAL SOLID WASTE REGULATIONS, GROUND WATER PROTECTION, AND TOXICS REDUCTION

On July 4, 1992, Pennsylvania DER promulgated new residual solid waste regulations that impact existing and future ash disposal facilities at PP&L's coal-fired plants. Future disposal areas must be sited and designed according to strict

**TABLE 11-1
POTENTIAL CAPITAL EXPENDITURES
NOT INCLUDED IN THE BASE CAPITAL PLAN
\$ MILLIONS - ESCALATED**

	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>Total 1995-1999</u>	<u>Total 2000-2004</u>
<u>Potential Projects</u>							
o Ash Disposal - DER Proposed Solid Waste Regulations, Ground Water Protection Policy, Toxics Reduction		2.5	4.3	1.0	38.2	46.0	31.0
o Clean Air Legislation - Exposures - Air Toxics, PM10							410.0
- NOx - Ozone - POSTRACT (1999)			10.0	50.0	40.0	100.0	
- POSTRACT (2003)							200.0
o Brunner Island/Martins Creek/Sunbury Cooling Towers							54.0
o Spare Generator Step-Up Transformer	3.0					3.0	
o Cable Limiter Retrofit	0.5	0.3				0.8	
o Power Conditioning Program	0.9	3.2	4.2	4.4	2.3	15.0	0.8
o Green Mountain Manufacturing Site	2.0	5.0	2.0			9.0	
TOTAL	6.4	11.0	20.5	55.4	80.5	173.8	695.8

specification and existing facilities must be re-permitted by demonstrating compliance with environmental impact performance requirements. Non-conforming facilities must be taken out of service before July 4, 1997, and closed shortly thereafter with impervious caps and other abatement measures.

Martin's Creek Basin No. 4 and the Montour dry ash disposal facilities are expected to satisfy the regulations. However, the fly ash facilities at the other

plants, the bottom ash basins at all the plants, and the pyrites basins at Montour and Brunner Island will be retired and replaced.

In a related activity, ground water degradation has been identified at several generating stations due to fuel oil leakage from underground facilities and seepage from the ash and pyrites disposal areas and the coal piles. Remedial actions are under way at Brunner Island and may be required at the other plants. Many of the actions required by the residual solid waste regulation will also address these ground water issues.

Another related activity is studies required by Pennsylvania DER to control trace metal emissions in the power plant wastewater streams. Toxics Reduction Evaluation (TRE) studies are in progress for Montour and Sunbury and are expected to begin at the other plants in the next few years. These studies are expected to result in plant modifications to recycle and reduce wastewater streams and installation of chemical treatment facilities to treat the water discharges. These actions are being integrated with the residual solid waste disposal modifications and the ground water protection activities.

Waste disposal and water quality projects shown in the capital budget total \$68 million for the 1995-1999 period. A significant portion of these projects address the issues discussed above. Additional capital expenditures that may occur to address these issues total \$ 46 million for the 1995-1999 period and \$31 million for the 2000-2004 period.

2. CLEAN AIR ACT - EXPOSURES

a) AIR TOXICS - TITLE III, PM 10

In addition to acid rain provisions, the 1990 Federal Clean Air Act Amendments require EPA to conduct a study of hazardous air emissions from power plants.

EPA is also studying the health effects of fine particulates (PM 10) which are emitted from power plants and other sources. Adverse findings from either study could cause EPA to mandate (in the 1998-2000 timeframe) additional ultra high efficiency particulate removal baghouses (with char injection for mercury removal) and/or flue gas scrubbing to remove vaporous trace metals and certain gaseous emissions (HCL) at most plants.

Potential capital expenditures are \$410 million in the 2000-2004 time frame. If sulfur dioxide scrubbers are installed at Montour to meet Title IV, Phase II, requirements, they will likely also be effective in removing air toxics and fine particulate. Therefore, this potential capital expenditure may be reduced by \$130 million.

b) ADDITIONAL NO_x REDUCTIONS FOR AMBIENT OZONE ATTAINMENT - TITLE I

Title I of the Clean Air Act addresses areas that currently do not meet federal ambient air quality standards. Much of the east coast from Virginia to New England exceeds the ground-level ozone standard. Ozone is formed through a series of photochemical reactions that occur on hot summer days when volatile organic compounds (VOCs) and NO_x mix together in the presence of sunlight. VOCs are emitted by motor vehicles, paints, solvents and industry. NO_x is emitted from motor vehicles, industry and utilities.

Title I initially requires that Reasonably Available Control Technology (RACT) for NO_x and VOCs be installed on all stationary sources within the Northeast Ozone Transport Region by (OTC) May 1995. The transport region includes all of Pennsylvania in addition to all states in the Northeast from DC to Maine and is administered by an Ozone Transport Commission (OTC) which includes

representation from each of the twelve states in the Region plus the District of Columbia.

Title IV, the acid rain title of the Clean Air Act already requires low-NO_x burners on seven Phase I units by 1995 and seven Phase II units by 2000.

PP&L expects DER to approve as RACT low-NO_x burners similar to the acid rain requirements. Therefore, in addition to \$69 million for NO_x burners on the seven Phase I units, the budget now shows \$53 million for NO_x burners on five of the seven Phase II units to be placed in service by May 1995. Burner modifications to meet RACT are not planned for Martins Creek 3 & 4 and the small anthracite boilers at Sunbury and Holtwood.

The Clean Air Act requires each state within the Ozone Transport Region to submit to EPA by November 15, 1994, an implementation plan to achieve ozone attainment by 1999 to 2005 (depending on the severity of a geographic location's ozone exceedences). The Clean Air Act requires the attainment demonstration to be based on photochemical transport modeling studies of NO_x and VOC emissions. Initial modeling studies implied that significant post-RACT NO_x reductions would be required from large stationary sources such as utility boilers. Information from improved modeling efforts that have been ongoing will not be available until late 1995 or later. This is well after the individual states must submit their plans to EPA. However, EPA has not offered the states relief from the November 15, 1994 plan submittal deadline.

In late August the Stationary Source Committee of the OTC approved a draft Post-RACT NO_x emission reduction strategy which was approved by the full OTC in late September. The individual states will use this as guidance in submitting their November 15 plans to EPA. The strategy proposes two-

phases of reductions of stationary NO_x sources from pre-Clean Air Act levels. For PP&L, a 55% reduction by May 1999 and a 75% reduction by 2003 are expected to be required. The 2003 reductions take effect unless modeling completed by 1997 indicates a different reduction. The reductions would be required from May 1 to September 30 during a 5 month ozone season.

At this time it is uncertain how the percent reductions will be calculated or how the emission reductions will be allocated among sources in Pennsylvania. The RACT NO_x burners that PP&L will have in service by May 1995 will produce about a 40% reduction. The additional reductions will require selective non-catalytic reduction (SNCR) or selective catalytic reduction (SCR) on many of PP&L's units by 1999 and most of PP&L's units by 2003.

The 1999 reductions will require capital expenditures of \$40-100 million in the 1998-1999 time frame. The 2003 reductions, if required by the final modeling, will require expenditures of up to an additional \$200 million in the 2000-2005 time frame.

3. BRUNNER ISLAND/MARTINS CREEK/SUNBURY COOLING TOWERS

Congress has been considering a reauthorization of the Clean Water Act which includes a possible deletion of the 316(a) variance that allows PP&L to discharge warm circulating river water into the Susquehanna and Delaware Rivers. It is expected that this variance will be allowed to continue; however, should this variance be deleted, the most severe solution would be the installation of cooling towers. The towers would be placed in service in the 1999-2004 time frame at a cost of \$54 million.

4. GREEN MOUNTAIN MANUFACTURING SITE

PP&L and various governmental and economic development agencies are currently in the process of gaining financing and approvals for the development of the Green Mountain manufacturing site near Hazleton. This site will be developed with the intent of securing a large manufacturing facility. If this industrial plant includes new large electric arc furnaces, 230 kV supply from Harwood would be required. Electric supply under this scenario is estimated to cost approximately \$9 million in the 1995-97 time period.

5. SPARE GENERATOR STEP-UP TRANSFORMERS

As a result of the recent Montour transformer failure and subsequent difficulties with spare GSU units, a study is now underway to determine system spare transformer requirements. Results of that study may well be a recommendation to purchase one spare transformer at an estimated cost of \$3.0 million.

6. CABLE LIMITER RETROFIT PROGRAM

The cable limiter retrofit program was initiated some time ago to provide improved protection for underground secondary cables. Sixty locations have not been completed due to customer refusal to grant an outage or due to space restrictions. Resolution of these final sixty installations could range from the customer's signing of a waiver to replacement of cables or other equipment. Preliminary estimates for the replacement option total \$750,000. A program is currently being developed to resolve the remaining retrofits.

7. POWER CONDITIONING PROGRAM

A business plan was completed during 1994 for a proposed program through which PP&L would offer, to its customers, products to address problems and concerns including surge protection and voltage fluctuations. The results of the

business plan included a finding that such a program would be more appropriately included within an unregulated subsidiary. A case involving, in part, the regulated/unregulated character of a similar program proposed by another Pennsylvania utility is currently pending before the PUC. Based on the conclusion of the business plan, an item is included in the chapter of potential capital expenditures to indicate the possibility that funding from within the regulated environment may be required. The business plan envisions a five-year program at which point most potential customers will have been accessed. About \$15,000/year thereafter is estimated to access new customers.

APPENDIX A
1995 LIST OF PROJECTS

**1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - NUCLEAR
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
311	SUSQUEHANNA SES - UNITS 1,2&CMN PIMS EQUIPMENT	151	68	776	995
369	SUSQUEHANNA SES - UNIT 1 CONTAINMENT RADIATION MONITORS	5282	540		5822
370	SUSQUEHANNA SES - UNIT 2 CONTAINMENT RADIATION MONITORS	4194	636	56	4886
379	SUSQUEHANNA SES - UNIT 1 POWER UPRATE PROJECT	10213	3187		13400
402	SUSQUEHANNA SES - UNIT 1 MECHANICAL STRESS IMPROVEMENT PROJECT PROCESS	845	855		1700
403	SUSQUEHANNA SES - UNIT 2 MECHANICAL STRESS IMPROVEMENT PROJECT PROCESS	700	854		1554
406	SUSQUEHANNA SES - UNITS 1&2 CONDENSER DEMIN VESSEL RESIN TRANSFER	3070	2329		5399
417	SUSQUEHANNA SES - UNIT 1 EXTRACTION STEAM PIPING REPLACEMENT	3131	1293	2067	6491
418	SUSQUEHANNA SES - UNIT 2 EXTRACTION STEAM PIPING REPLACEMENT	3131	1654	1697	6482
435	SUSQUEHANNA SES - UNIT 1 DEGRADED GRID MODIFICATIONS		35		35

1995 CAPITAL CONSTRUCTION BUDGET
 EXISTING GENERATION - NUCLEAR
 LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
439	SUSQUEHANNA SES - CMN SPENT FUEL STORAGE ADDITIONS	1173	552	9565	11290
440	SUSQUEHANNA SES - UNIT 1 REPLACE PLANT COMPUTER SYSTEM	2948	1935	5396	10279
441	SUSQUEHANNA SES - UNIT 2 REPLACE PLANT COMPUTER SYSTEM	2949	4590	2290	9829
442	SUSQUEHANNA SES - UNIT 1 REACTOR CORE STABILITY	589	180	891	1660
443	SUSQUEHANNA SES - UNIT 2 REACTOR CORE STABILITY	588	175	899	1662
451	SUSQUEHANNA SES - UNIT 1 CONTROL ROD REPLACEMENT DURING REFUELING - INSPECTION OUTAGE #8	648	225		873
452	SUSQUEHANNA SES - UNIT 2 CONTROL ROD REPLACEMENT DURING REFUELING - INSPECTION OUTAGE #7		678		678
463	SUSQUEHANNA SES - UNIT 1 CONDENSER TUBE CLEANING PROJECT	136	1125		1261
464	SUSQUEHANNA SES - UNIT 2 CONDENSER TUBE CLEANING PROJECT	404	765	278	1447
465	SUSQUEHANNA SES - UNIT 1 DIGITAL FEEDWATER CONTROL	158	1136		1294
466	SUSQUEHANNA SES - UNIT 2 DIGITAL FEEDWATER CONTROL	158	1135		1293

1995 CAPITAL CONSTRUCTION BUDGET
 EXISTING GENERATION - NUCLEAR
 LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
479	SUSQUEHANNA SES - UNIT 1 IPE UPGRADES	108	167		275
480	SUSQUEHANNA SES - UNIT 2 IPE UPGRADES	108	167		275
482	SUSQUEHANNA SES - UNIT 1 POWER UPRATE MODIFICATIONS	1044	1807		2851
483	SUSQUEHANNA SES - UNIT 1 REACTOR RECIRC PUMP SHAFT REPLACEMENT	1305	450	5623	7378
484	SUSQUEHANNA SES - UNIT 2 REACTOR RECIRC PUMP SHAFT REPLACEMENT	1305	2340	3706	7351
487	SUSQUEHANNA SES - UNIT 1 REFUELING BRIDGE UPGRADE	357	1229	232	1818
497	SUSQUEHANNA SES - UNIT 1 VENT STACK MONITORING (PHASE 2)	77	707		784
499	SUSQUEHANNA SES - UNIT 1 VIBRATION MONITORING MAJOR ROTATING EQUIPMENT #8 RIO	84	106		190
500	SUSQUEHANNA SES - UNIT 2 VIBRATION MONITORING MAJOR ROTATING EQUIPMENT #7RIO	84	106		190
501	SUSQUEHANNA SES - CMN PURCHASE A DRYER/ SEPARATOR SYSTEM	1032	127		1159

**1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - NUCLEAR
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
502	SUSQUEHANNA SES - CMN INSTALL A COMPUTER LOCAL AREA NETWORK (LAN) IN THE SOUTH BLDG. AND S&A BUILDING	720	810		1530
508	SUSQUEHANNA SES - UNIT 2 CIRCULATING WATER EXPANSION JOINT REPLACEMENT	37	180	451	668
513	SUSQUEHANNA SES - UNIT 1 (RPV) WATER LEVEL INSTRUMENTATION VENTING MODIFICATIONS	1594	420	232	2246
515	SUSQUEHANNA SES - UNIT 2 REFUELING PLATFORM UPGRADE (LONG TERM PROJECT)	357	1229	232	1818
519	SUSQUEHANNA SES - UNIT 1 INSTALL MAIN TURBINE VIBRATION SYSTEM	205	120		325
520	SUSQUEHANNA SES - UNIT 2 INSTALL MAIN TURBINE VIBRATION SYSTEM	205	120		325
522	SUSQUEHANNA SES - CMN PLANT COMPUTER UPGRADE	45	360	233	638
524	SUSQUEHANNA SES - UNIT 1 INSTALL CONTAINMENT OXYGEN MONITORING		23	443	466
525	SUSQUEHANNA SES - UNIT 2 INSTALL CONTAINMENT OXYGEN MONITORING		23	443	466

**1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - NUCLEAR
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
526	SUSQUEHANNA SES - CMN FIRE PROTECTION UPGRADES	20	197	301	518
527	SUSQUEHANNA SES-UNIT 1 FIRE PROTECTION UPGRADES	18	180	734	932
528	SUSQUEHANNA SES-UNIT 2 FIRE PROTECTION UPGRADES	18	180	734	932
529	SUSQUEHANNA SES - UNIT 1 MAIN STEAM ISOLATION VALVE LEAKAGE CONTROL ELIMINATION	403	696		1099
530	SUSQUEHANNA SES - UNIT 2 MAIN STEAM ISOLATION VALVE LEAKAGE CONTROL ELIMINATION	198	900		1098
531	SUSQUEHANNA SES - CMN INSTALL PHYSICAL PROTECTION BARRIERS	376	539		915
532	SUSQUEHANNA SES - UNIT 1 REPLACE RESIDUAL HEAT REMOVAL MOTOR LUBE OIL COOLER	360	78		438
533	SUSQUEHANNA SES - UNIT 2 REPLACE RESIDUAL HEAT REMOVAL MOTOR LUBE OIL COOLER	360	81		441
534	SUSQUEHANNA SES - UNIT 1 REPLACE HIGH PRESSURE FIRST STAGE BUCKETS		921		921
535	SUSQUEHANNA SES - UNIT 1 VALVE COMPLIANCE MODS	26	374		400

**1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - NUCLEAR
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
536	SUSQUEHANNA SES - UNIT 2 EXPANSION JOINT REPLACEMENT	37	90	543	670
537	SUSQUEHANNA SES - UNIT 2 REACTOR WATER LEVEL INSTRUMENTATION	1595	405		2000
538	SUSQUEHANNA SES-CMN SECURITY COMPUTER UPGRADE	173	101	6137	6411
539	SUSQUEHANNA SES - UNIT 1 TURBINE GENERATOR RETAINING RINGS	580	390		970
880	SUSQUEHANNA SES - COMMON CAPITAL SPARE PARTS - 1995		1511		1511
885	SUSQUEHANNA SES - COMMON CAPITAL OFFICE FURNITURE AND EQUIPMENT-TOOLS AND EQUIPMENT		1603		1603
900	SUSQUEHANNA SES MINOR WORK PROJECTS - CAPITAL		900		900
910	SUSQUEHANNA SES SITE SERVICES - CAPITAL		857		857
920	SUSQUEHANNA SES MAINTENANCE-CAPITAL REPLACEMENTS		277		277
980	SUSQUEHANNA SES UNAPPROVED OR POTENTIAL PROJECTS		128		128
990	SUSQUEHANNA SES UNIDENTIFIED PROJECTS		4654		4654
TOTAL EXISTING GENERATION-NUCLEAR		53299	49500	43959	146758

**1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
1121	MARTINS CREEK SES - UNIT 1&2 ASH BASIN #1 CLOSURE	150	20	1424	1594
1138	MARTINS CREEK SES - 4 REPLACE TURBINE CONTROL SYSTEMS AND GOVERNING CONTROL SYSTEM	1615	542		2157
1140	MARTINS CREEK SES - UNIT 1&2 INSTALL BOTTOM ASH HANDLING SYSTEM	200	500	1791	2491
1143	MARTINS CREEK SES - UNIT 3 CONVERT TO GAS-OIL CO-FIRING	464	462	14860	15786
1144	MARTINS CREEK SES - UNIT 4 CONVERT TO GAS-OIL CO-FIRING		248	11999	12247
1148	MARTINS CREEK SES - UNITS 1&2 INSTALL GROUNDING SYSTEM	100	200	222	522
1152	MARTINS CREEK SES - UNIT 4 REPLACE VOLTAGE REGULATOR	208	190		398
1164	MARTINS CREEK SES CLOSE LOW VOLUME WASTE BASIN	12	1387		1399
1165	MARTINS CREEK SES INSTALL WASTE SLUICE CHANNELS	30	1197		1227
2025	SUNBURY SES - UNIT 1 TURBINE REHABILITATION	8500	3925		12425
2034	SUNBURY SES - UNIT 4 REPLACE ECONOMIZER		66	1885	1951

**1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
2062	SUNBURY SES - UNIT 1 REPLACE ECONOMIZER 1A & 1B	256	2116		2372
2066	SUNBURY SES - UNIT 1 REPLACE 1A EXTENDED SURFACE BRICK	105	471		576
2067	SUNBURY SES - UNIT 1 REPLACE 1B EXTENDED SURFACE BRICK	430	471		901
2090	SUNBURY SES - UNIT 4 INSTALL LOW NOX BURNERS	2879	2428		5307
2097	SUNBURY SES - UNIT 4 REPLACE OUTLET CONVECTION SUPERHEAT TUBES		15	430	445
2106	SUNBURY SES REPLACE TURBINE AUXILIARY BAY ROOF	5	200		205
2127	SUNBURY SES - UNIT 4 PRECIPITATOR MODIFICATIONS	650	1077		1727
2128	SUNBURY SES - UNIT 1 REPLACE GENERATOR ROTOR	2941	200		3141
2141	SUNBURY SES - CLOSE ASH BASIN NO. 1	48	355	984	1387
2142	SUNBURY SES - CLOSE ASH BASIN NO. 2	48	460	1261	1769
2148	SUNBURY SES - UNIT 1 REPLACE 1A AND 1B AIRPORT WALL INSULATION	100	2300		2400

1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS

9/26/94

B/ NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
2149	SUNBURY SES - UNIT 1 REPLACE 1A AND 1B BASKETED HEATING ELEMENTS	26	463		489
2158	SUNBURY SES - UNIT 3 REPLACE TURBINE GOVERNOR	44	388		432
2164	SUNBURY SES - UNIT 4 REPLACE GENERATOR ROTOR	73	221	3013	3307
2169	SUNBURY SES REPLACE FILTERED WATER PIPING	50	200	249	499
2171	SUNBURY SES - UNIT 4 REPLACE FEEDWATER REGULATING VALVE	30	236		266
2174	SUNBURY SES ADD DRY FLY ASH HANDLING	604	1164	16304	18072
2175	SUNBURY SES ADD BOTTOM ASH HANDLING	189	230	3538	3957
2176	SUNBURY SES ADD WASTE WATER TREATMENT	200	500	7265	7965
2673	SUNBURY SES - UNIT 1 REPLACE 4KV & 480V SWITCHGEAR	1995	584		2579
3036	HOLTWOOD SES CLOSE ASH BASIN NO. 2-PHASE 1	47	34	1343	1424
3037	HOLTWOOD SES ADD DRY FLY ASH HANDLING	160	100	1062	1322

**1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
3040	HOLTWOOD SES ADD AIR CANNONS		86		86
4115	BRUNNER ISLAND SES CONSTRUCT NEW PYRITES FACILITY	13	30	701	744
4116	BRUNNER ISLAND SES COAL PILE LINER	420	150	2837	3407
4143	BRUNNER ISLAND SES - UNIT 2 REPLACE HORIZONTAL REHEATER AND SUPERHEATER AND ECONOMIZER	1200	14800		16000
4164	BRUNNER ISLAND SES DRY FLYASH CONVERSION	17061	9000		26061
4187	BRUNNER ISLAND SES - UNIT 1 REPLACE IP/LP ROTOR	3827	150		3977
4188	BRUNNER ISLAND SES DRY FLY ASH CREW AND SERVICE BUILDING	150	150		300
4205	BRUNNER ISLAND SES CLOSE ASH BASIN NO. 6	356	5	1124	1485
4206	BRUNNER ISLAND SES CLOSE ASH BASIN NO. 7	460	5	1120	1585
4220	BRUNNER ISLAND SES - UNIT 2 REPLACE HOT REHEAT PIPE - PHASE 2	34	746		780
4225	BRUNNER ISLAND SES - UNIT 1 ADD EXTRACTION STEAM NON-RETURN VALVE AIR OPERATORS	6	75		81

**1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
4231	BRUNNER ISLAND SES ADD LAND IMPROVEMENTS TO WETLANDS	58	26	199	283
4234	BRUNNER ISLAND SES CLOSE SOUTH PORTION OF ASH BASIN 4	9	77	497	583
4235	BRUNNER ISLAND SES WASTE WATER TREATMENT FACILITIES	34	111	1040	1185
4238	BRUNNER ISLAND SES INSTALL PRECIPITATOR DRAINAGE AND PAVING		170		170
4550	BRUNNER ISLAND SES - UNIT 2 REBLADE HP TURBINE ROTOR	573	425		998
5019	MONTOUR SES - UNIT 1 REPLACE COMPUTER	566	1284		1850
5044	MONTOUR SES OFFICE & SERVICES BLDG EXPANSION	33	50	256	339
5084	MONTOUR SES - UNIT 1 REPLACE CONTROL SYSTEM	1143	5803		6946
5085	MONTOUR SES - UNIT 2 REPLACE CONTROL SYSTEM	417	619	4886	5922
5103	MONTOUR SES - UNIT 1 INSTALL LOW NOX BURNERS	7500	9600		17100
5104	MONTOUR SES - UNIT 1 INSTALL FLUE GAS DESULFURIZATION	1000	1000	325883	327883

**1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
5119	MONTOUR SES - UNIT 1 REPLACE GENERATOR RETAINING RINGS	47	434		481
5149	MONTOUR SES - UNIT 1 REWIND GENERATOR ROTOR	96	1100		1196
5150	MONTOUR SES - UNIT 2 REPLACE IP TURBINE INNER CYLINDER	1106	897	460	2463
5154	MONTOUR SES CLOSE ASH BASIN NO. 1 - SECTION A	320	780	5814	6914
5156	MONTOUR SES NEW BOTTOM ASH FACILITIES	100	400	2483	2983
5157	MONTOUR SES NEW PYRITES FACILITIES	74	356	469	899
5163	MONTOUR SES - UNIT 1 REPLACE TURBINE SUPERVISORY CONTROLS AND VIBRATION MONITORING SYSTEM	25	208		233
5167	MONTOUR SES - UNIT 1 REPLACE FEEDWATER HEATER 2A/B AND 3A/B	279	3075		3354
5171	MONTOUR SES - UNIT 1 REPLACE SULFUR BURNING GAS CONDITIONING SYSTEM CONTROLS	58	314		372
5172	MONTOUR SES - UNIT 2 REPLACE SULFUR BURNING GAS CONDITIONING SYSTEM CONTROLS	40	35	255	330

**1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
5175	MONTOUR SES INSTALL FLY ASH SCREENING FACILITY	350	300		650
5179	MONTOUR SES - UNITS 1&2 INSTALL COAL YARD SEWAGE PUMP STATION	74	176		250
6005	HOLTWOOD HES REPLACE 13.2KV OCBS IN HYDRO BUS ROOM	15525	559		16084
6034	HOLTWOOD HES INSTALL FISH PASSAGE FACILITIES	1700	6800	12340	20840
6040	HOLTWOOD HES REPLACE OPERATING CYLINDERS	30	400	779	1209
6041	HOLTWOOD HES REMOVE ELECTRICAL EQUIPMENT		200	398	598
7510	KEYSTONE SES - PP&L SHARE VARIOUS ADDNS & REPLACEMENTS		4099		4099
7511	KEYSTONE SES - UNITS 1&2 INSTALL LOW NOX BURNERS	3794	3241		7035
7750	CONEMAUGH SES - PP&L SHARE VARIOUS ADDNS & REPLACEMENTS		2336		2336
7753	CONEMAUGH SES - UNIT 2 INSTALL FLUE GAS DESULFURIZATION	6823	2564		9387
7910	ASBESTOS PROGRAM - VARIOUS LOCATIONS		1428		1428

**1995 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
7920	REMOVE RETIRED IN-PLACE EQUIPMENT - ALL FOSSIL/HYDRO PLANTS		100		100
7960	GENERATING STATIONS UNANTICIPATED REPLACEMENTS		1000		1000
7980	GENERATING STATIONS MINOR REPLACEMENTS		1500		1500
7990	GENERATING STATIONS MINOR ADDITIONS		700		700
8000	GENERATION PROJECTS UNCOMMITTED		4818		4818
	TOTAL EXISTING GEN-FOSSIL AND HYDRO	87460	105132	429171	621763

**1995 CAPITAL CONSTRUCTION BUDGET
BULK POWER TRANSMISSION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
8008	LACKAWANNA 230-69KV SUB-INSTALL CONTINUOUS MONITORING RECORDER AND UPGRADE RELAYING	216	854		1070
8025	SUSQUEHANNA 230KV SWITCHYARD- RETERMINATE JENKINS 230 KV LINE	200	300		500
8031	SUNBURY 500-230KV SUBSTATION- INSTALL ALARM MANAGEMENT SYSTEM		19	175	194
8034	SUSQUEHANNA 230KV SWITCHYARD- REPLACE CONTROL CUBICLE	5641	1059		6700
8036	SUSQUEHANNA T-10 230KV SWITCHYARD	4600	3580		8180
8037	ALBURTIS 500KV SUBSTATION- MODIFY CARRIER EQUIPMENT AND INSTALL ALARM MANAGEMENT SYSTEM	328	300		628
8042	NORTHERN PL 500KV TRANSMISSION- REPLACE PRIMARY #1 PILOT RELAY SCHEME (PHASE I AND II)	200	500	7853	8553
8043	BRUNNER ISLAND SES-REPLACE 230KV SWITCHYARD DISCONNECTS	367	295	178	840
8048	SIEGFRIED 230/69KV SUBSTATION- INSTALL DOUBLE BREAKER BAY ARRANGEMENT	34	366		400
8049	SUSQUEHANNA 230KV-REPLACE 2 BAY 3 CB'S AND 5 ATB CB'S		47	1141	1188

**1995 CAPITAL CONSTRUCTION BUDGET
BULK POWER TRANSMISSION
LIST OF PROJECTS**

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
8052	JUNIATA SUBSTATION-INSTALL 2ND DUAL COMPRESSOR PACKAGE AND UPGRADE CAPACITOR BANK RELAYS		190		190
8081	MARTINS CREEK 230KV SWITCHYARD- REPLACE CBS IN BAY 1		54	496	550
8680	BUSHKILL SWITCHING STATION- BLOOMING GROVE 230-69 SUB- REPL TONE RELAY EQUIP., INSTALL PT'S & UPGRADE MISC. STATION EQUIPMENT	32	49	676	757
8700	MARTINS CREEK, NORTHWOOD & QUARRY SUBS-UPGRADE TONE RELAY SCHEMES	20	84	892	996
9005	HOSENSACK/BUXMONT 230KV LINE- RECONDUCTOR FOR HIGHER CAPACITY	196	1717		1913
9960	REPLACE OR MODIFY THE DC STATION BATTERY AT VARIOUS BULK POWER STATIONS		96		96
9970	BULK POWER IMPROVEMENTS		300		300
	TOTAL BULK POWER TRANSMISSION	11834	9810	11411	33055

1995 CAPITAL CONSTRUCTION BUDGET
SUSQUEHANNA DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
10001	FRACKVILLE-EXCHANGE/EXCHANGE-CENTRALIA-UPGRADE TO KENRO AND LINE REMOVAL (4.5 MI.) << OLD BI # 40073 >>	35	83	128	246
10002	EXCHANGE 69KV SWITCHING STATION REMOVAL AND INSTALL NEW CONTROL CUBICLE AND SCADA << OLD BI # 40074 >>	173	379	62	614
10003	FRACKVILLE-FISHBACH #3 69KV LINE RECONSTRUCT 2.5 MILES TO 138KV D/C FROM OAK HILL SUB TO FISHBACH << OLD BI # 40075 >>	311	41	1683	2035
10008	ELDRED-PINE GROVE 69KV LINE-PHASE 1-RECONSTRUCT SECTION FROM ELDRED TO HEGINS TO 138 (5.7 MI) << OLD BI # 40082 >>	50	56	3759	3865
10017	ELDRED-CLEVELAND 69KV LINE - REPLACE OHGW FROM ELDRED TIE TO MOWRY/RELOCATE MT. CARMEL TAP	40	170		210
10018	SUNBURY-COLUMBIA 69KV LINE - REPLACE OHGW FOR 5.2 MI. FROM SUNBURY TO POINT TAP		8	79	87
10087	SUNBURY SES-REPLACE CONTROL CABLES AND UPGRADE 69KV, 132KV AND 230KV RELAY AND CONTROL FACILITIES AND REPLACE 230KV SCADA		30	4153	4183

**1995 CAPITAL CONSTRUCTION BUDGET
SUSQUEHANNA DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
10088	CLINTON-MUNCY 69KV LINE- REBUILD SECTION FOR 138KV DOUBLE CIRCUIT	351	1143		1494
10090	LYCOMING-LOCK HAVEN 1&2 69KV LN- RECONSTRUCT PART 1	532	2065	5068	7665
10091	LYCOMING-LOCK HAVEN 1&2 69KV LN- RECONSTRUCT PART 2	138	701	6735	7574
10094	LYCOMING 230-69KV SUBSTATION- REARRANGE 69KV YARD	235	213		448
	TOTAL REGIONAL SUPPLY	1865	4889	21667	28421

AREA SUPPLY

10308	FLEMINGTON 64-01 12KV LINE- RECONDUCTOR/RELOCATE THE SUGAR RUN TAP (PHASE 1) << OLD BI # 10508 >>	10	141		151
10309	FLEMINGTON 64-01 12KV LINE- RECONDUCTOR/RELOCATE THE SUGAR RUN TAP (PHASE 2) << OLD BI # 10509 >>	13	149		162
10503	WOOLRICH 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL		14	172	186
10504	WOOLRICH 56-01-INSTALL ADDITIONAL ENERGIZED THREE PHASE CABLE ON MCELHATTAN BRIDGE	10	83		93

1995 CAPITAL CONSTRUCTION BUDGET
 SUSQUEHANNA DIVISION
 LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
11421	WILLIAMSPORT 69-12KV SUBSTATION- INSTALL BREAKER FAILURE PROTECTION ON 12KV CIRCUIT BRKRS AND REPL SCADA AT SUB & CTG << OLD BI # 12721 >>	36	28	643	707
11711	KENMAR 12-02 LINE-ADD 2 ADD'L PHASE WIRES TO THE MILL CREEK TAP	13	121		134
12010	MUNCY 47-03 12KV LINE- RECONDUCTOR/RELOCATE SECTIONS OF GLADE RUN TAP	18	162		180
12011	MUNCY 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND INCREASE TRANSFORMER CAPACITY	32	292		324
12114	HUGHESVILLE 70-02 12KV LINE- RECONDUCTOR, RELOCATE AND ADD PHASE TO BEAVER LAKE TAP		33	340	373
12115	HUGHESVILLE 70-02-ADD PHASE CLARKSTOWN TAP AND ADD PHASE/ RECONDUCTOR CHESTNUT GROVE TAP		21	232	253
13509	LIMESTONE 69-12KV SUBSTATION- REPLACE TRANSFORMER #2	10	93		103
13605	POINT 42-02 12KV LINE- RECONDUCTOR APPROX. 1.7 MILES OF THE WINFIELD TAP << OLD BI # 15605 >>		20	190	210

**1995 CAPITAL CONSTRUCTION BUDGET
SUSQUEHANNA DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
15814	BERWICK 69-12KV SUBSTATION- EXTEND 60-01 12KV LINE AND RECONDUCTOR 46-01 LINE	39	363		402
16914	SHAMOKIN 4KV-CONVERT THE UNIONTOWN FEEDER TO 12KV (PART II) << OLD BI # 43314 >>		15	194	209
16915	SHAMOKIN 4KV-CONVERT TO 12KV (PART I) << OLD BI # 43315 >>	17	214		231
19016	WADESVILLE 4KV SYSTEM-CONV TO 12KV << OLD BI # 47916 >>		4	42	46
	TOTAL AREA SUPPLY	198	1753	1813	3764
	TOTAL SUSQUEHANNA REGION	2063	6642	23480	32185

**1995 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - SCRANTON AREA
LIST OF PROJECTS**

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
20030	PECKVILLE-SCRANTON & LACKAWANNA-SCRANTON 138KV LNS	1296	216		1512
20042	HOFFMAN-MINOOKA 69KV LINE- RECONSTRUCT FOR DOUBLE CIRCUIT 138KV	2596	3312		5908
20043	LACKAWANNA-PECKVILLE #2 AND LACKAWANNA-SUBURBAN DOUBLE CIRCUIT 69KV LINE-RECONSTRUCT FOR DOUBLE CIRCUIT 138KV		73	681	754
20044	LACKAWANNA-PECKVILLE #1 69KV LINE-RECONSTRUCT FOR DOUBLE CIRCUIT 138KV		46	1935	1981
20046	JENKINS-MINOOKA #1&2-RECONSTRUCT FOR 138KV	132	172	972	1276
20047	MONTAGE 138KV TAP-1.5 MI.	275	98	399	772
20049	LACKAWANNA-CONSTRUCT 230-138KV SUBSTATION		200	9082	9282
20052	LACKAWANNA-SCRANTON #1 AND #2 69KV LINES-UPGRADE AT SCRANTON SUBSTATION		12	114	126
20054	HILL 138KV TAP	5	12	812	829
20056	LACKAWANNA 69KV CAPACITOR	21	192		213
	TOTAL REGIONAL SUPPLY	4325	4333	13995	22653

1995 CAPITAL CONSTRUCTION BUDGET
 NORTHEAST DIVISION - SCRANTON AREA
 LIST OF PROJECTS

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>AREA SUPPLY</u>					
20715	EAST CARBONDALE 12-1 LINE- RECONDUCTOR WAYMART TAP	14	136		150
20718	EAST CARBONDALE 12-3-CREAMTON 4KV-CONVERT TO 12KV (PART 2)	19	183		202
20719	EAST CARBONDALE 12-3-CREAMTOWN 4KV-CONVERT TO 12KV (PART 3)		7	125	132
21504	EDELLA 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND ADD SCADA AND REBUILD GRIFFIN POND ROAD TAP	479	133		612
21506	CONSTRUCT A THREE PHASE TIE BETWEEN THE EDELLA 21-2 12KV LINE AND THE EYNON 16-1 12KV LINE		6	69	75
21714	MORGAN 69-12KV SUBSTATION- RECONDUCTOR 24-3 LINE (1.0 MI.)	9	95		104
22008	MT. JESSUP 23-4KV SUBSTATION- 4KV TO 12KV CONVERSION (PART 2)	212	295		507
24120	SUBURBAN 23-4KV SUB-CONVERT JAUNTY & REMAINDER OF ECONOMY FEEDER TO 12KV	350	119		469
24301	HILL 69-12KV SUBSTATION AND_12KV LINE CONNECTIONS, INSTALL SCADA	5	16	985	1006

1995 CAPITAL CONSTRUCTION BUDGET
 NORTHEAST DIVISION - SCRANTON AREA
 LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
24435	SCRANTON LTN-RECONSTRUCT MANHOLES 192 & 267	22	190		212
24436	SCRANTON LTN-REBUILD MANHOLE #191		10	97	107
24440	SCRANTON LTN-5TH CABLE BACKUP	80	77	3339	3496
24702	CEDAR AVENUE 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND LTN BACKUP		23	250	273
25101	MONTAGE 138-12KV SUBSTATION 12KV CONNECTING LINES AND SCADA	203	85	791	1079
	TOTAL AREA SUPPLY	1393	1375	5656	8424
	TOTAL SCRANTON REGION	5718	5708	19651	31077

**1995 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - HONESDALE AREA
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
30054	KIMBLES 138KV TAP (0.5 MILE)	102	44	302	448
	TOTAL REGIONAL SUPPLY	102	44	302	448
<u>AREA SUPPLY</u>					
30202	TINKER 69-12KV SUBSTATION- RECONDUCTOR 44-1 12KV LINE	18	273		291
30203	TINKER 69-12KV SUBSTATION- RECONDUCTOR AND REROUTE FENWICK TAP	21	191		212
31104	WEST DAMASCUS 69-12KV SUBSTATION 60-1 12KV LINE-RECONDUCTOR AND REBUILD A PORTION OF THE ABRAHAMSVILLE TAP		13	119	132
31219	KIMBLES 69-12KV SUBSTATION- (WALLENPAUPACK 39-4 LINE)- SANDY SHORE TAP ADDITIONAL PHASE		2	34	36
32507	MADISONVILLE 69-12KV SUBSTATION 55-1 LINE-ADDITIONAL PHASE	8	105		113
32807	HAMLIN 69-12KV SUBSTATION-87-2 LINE RIDGEVIEW DR. TAP- ADDITIONAL PHASE	3	48		51

**1995 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - HONESDALE AREA
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
33205	TAFTON 69-12KV SUBSTATION 80-1 LINE-CLOUD CREST TAP-INSTALL ADDITIONAL PHASE		4	54	58
33701	KIMBLES 69-12KV SUBSTATION AND 12KV CONNECTING LINES AND INSTALL SCADA	400	231	937	1568
33915	WALLENPAUPACK 69-12KV SUBSTATION REMOVE SUBSTATION AND CONNECTING LINES	9	78	344	431
34810	HEMLOCK 69-12KV SUBSTATION- 67-1 LINE-ADDITIONAL PHASES	9	130		139
	TOTAL AREA SUPPLY	468	1075	1488	3031
	TOTAL NORTHEAST DIVISION - HONESDALE	570	1119	1790	3479

**1995 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - HAZ-WB AREA
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
40084	JENKINS-HARWOOD #1 69KV LINE- RECONSTRUCT JENKINS-WILKES-BARRE SECTION (11.2 MILES) FOR 138KV		69	4422	4491
40086	EAST PALMERTON-WAGNERS 69KV LINE RECONSTRUCT FOR DOUBLE CIRCUIT OPERATION FROM EAST PALMERTON TO CHRISTMANS-10.2 MILES (PART 1)	1413	992		2405
40087	EAST PALMERTON-WAGNERS 69KV LINE RECONSTRUCT FOR DOUBLE CIRCUIT OPERATION FROM CHRISTMANS TO LAKE HARMONY-9.1 MILES (PART 2) & CONV LAKE HARMONY TO "TWIN A"	790	2584	1996	5370
40096	BUTLER 138KV TAP-(.6 MILES)	215	76		291
	TOTAL REGIONAL SUPPLY	2418	3721	6418	12557
<u>AREA SUPPLY</u>					
40520	WILKES BARRE LTN-RETOP 10 MANHOLES #7	24	259		283
40521	WILKES BARRE LTN-RETOP 10 MANHOLES #8	23	256		279
40522	WILKES BARRE LTN-RETOP 10 MANHOLES #9		13	126	139
40706	WILKES BARRE 69-12KV SUBSTATION- PENN HAZLE TAPS-CABLE REPLACE	6	149		155

**1995 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - HAZ-WB AREA
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
41105	ARROWHEAD 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL << OLD BI # 46505 >>	11	136		147
41106	ARROWHEAD 69-12KV SUBSTATION- MAXATAWNY DRIVE TAP-RECONDUCTOR AND ADDITIONAL PHASES	9	187		196
41206	LAKE HARMONY 69-12KV SUBSTATION- RECONDUCTOR 54-2 AND TRANSFER PORTIONS OF 32-2 TO 54-2	13	290		303
41301	JACK FROST 69-12KV SUB & LINE CONNECTIONS << OLD BI # 46401 >>	91	901		992
42001	BUTLER 69-12KV SUBSTATION AND 12KV LINE CONNECTIONS	1169	526		1695
42205	HARTLAND 69-12KV SUBSTATION- 84-3 LINE-RECONDUCTOR	12	107		119
42206	HARTLAND 69-12KV SUBSTATION- RECONDUCTOR 84-1 FOR TIE LINE WITH 48-2	2	53		55
42522	HARWOOD 69-12KV SUBSTATION- RECONDUCTOR HARWOOD 29-7 AND TIE TO 29-6	3	66		69
43101	CHRISTMANS 69-12KV SUBSTATION- BEAR CREEK LAKE TAP-RECONDUCTOR AND ADD ADDITIONAL PHASES	5	119		124

**1995 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - HAZ-WB AREA
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
43412	WEISSPORT 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL	236	86	294	616
	<< OLD BI # 49812 >>				
	TOTAL AREA SUPPLY	1604	3148	420	5172
	TOTAL NORTHEAST DIVISION - HAZ / WB	4022	6869	6838	17729

**1995 CAPITAL CONSTRUCTION BUDGET
LEHIGH DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
50017	WESCOSVILLE-TREXLERTOWN NOS 3&4 138/69KV LINES	2928	542		3470
50034	REBUILD SEIDERSVILLE-QUAKERTOWN 69KV	100	810	15568	16478
50044	HOSENSACK-UPPER HANOVER 69KV LINE-REBUILD SECTION FOR 138KV DOUBLE CIRCUIT BETWEEN HOSENSACK AND UPPER HANOVER	1200	468		1668
50045	WESCOSVILLE-SIEGFRIED #1&2 69KV LINES-CONVERT TO 138KV	3408	300	7892	11600
50050	RIDGE ROAD 138/69KV TAP LINE	1920	1667		3587
50052	SIEGFRIED-HAUTO #1 69KV LINE- RECONDUCTOR SIEGFRIED-TREICHLERS SECTION (1.93 MILES)	163	348		511
50058	HENRYVILLE 138KV TAP (3.7 MILES)	400	213	2608	3221
< < OLD BI # 30053 > >					
50061	QUARRY-ELLIOTT HEIGHTS #1 AND #2 69KV LINES-INSTALL AIRBREAK SWITCHES		9	82	91
TOTAL REGIONAL SUPPLY		10119	4357	26150	40626
<u>AREA SUPPLY</u>					
50409	CANADENSIS 85-2 12KV LINE- INSTALL ASVC AT ALPINE SKI	25	210		235

1995 CAPITAL CONSTRUCTION BUDGET
LEHIGH DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
50607	MECKESVILLE 69-1-ROBIN HOOD LAKES RECONDUCTORING AND ADDITIONAL PHASE	8	84		92
50717	WAGNERS 69-12KV SUBSTATION-NEW 12KV LINE AND TERMINAL AND CONVERT TO TWIN A << OLD BI # 35717 >>		30	453	483
50814	LAKE NAOMI 86-1 LINE-HEMLOCK DRIVE TAP-ADDITIONAL PHASES << OLD BI # 36014 >>		5	96	101
50815	LAKE NAOMI 86-3 LINE-HEMLOCK/ HILLCREST TAPS-ADDITIONAL PHASES << OLD BI # 36015 >>		3	45	48
50917	MT. POCONO 64-1 LINE-INSTALL THREE PHASE ON ACE CORNERS TAP << OLD BI # 36117 >>		8	134	142
51001	HENRYVILLE 69-12KV SUBSTATION AND 12KV LINE CONNECTIONS AND INSTALL SCADA << OLD BI # 36301 >>		10	1809	1819
51214	TANNERSVILLE 57-1 12KV LINE- INSTALL ADDITIONAL PHASE ON NEOLA TAP << OLD BI # 36614 >>		13	125	138
51304	BARTONSVILLE 79-1 12KV LINE- RECONDUCTOR_AND ADDITIONAL 12KV LINE AND TERMINAL << OLD BI # 36804 >>		20	210	230

1995 CAPITAL CONSTRUCTION BUDGET
LEHIGH DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
51307	BARTONSVILLE 79-1 LINE-CONSTRUCT 3 PHASE TIE TO NORTH STROUDSBURG 56-3	50	110		160
51723	GILBERT 69-12KV SUBSTATION 78-1 LINE-RECONDUCTOR 12KV LINE << OLD BI # 38823 >>		11	101	112
51724	GILBERT 69-12KV SUBSTATION- CONVERT TO MODIFIED 'TWIN A'	58	345		403
52408	SOUTH SLATINGTON 69-12KV SUB- RECONDUCTOR A SECTION OF THE 44-3 LINE << OLD BI # 50408 >>	13	160		173
52507	SCHNECKSVILLE 69-12KV SUB- CONVERT TO 138KV OPERATION << OLD BI # 50707 >>	77	56	710	843
52508	SCHNECKSVILLE 138-12KV SUB- RECONDUCTOR 37-1 12KV LINE		4	45	49
52509	SCHNECKSVILLE 138-12KV SUB RECONDUCTOR 37-2 12KV LINE		3	63	66
52612	EGYPT 69-12KV SUBSTATION- CONVERT TO 138-12KV AND INSTALL SCADA << OLD BI # 50912 >>	111	73	988	1172
52708	FOGELSVILLE 69-12KV SUBSTATION- FOGELSVILLE 22-2-RECONSTRUCT LYON VALLEY TAP FOR THREE PHASE OPERATION	29	378		407

1995 CAPITAL CONSTRUCTION BUDGET
LEHIGH DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
52812	CRACKERSPORT 69-12KV SUBSTATION- RECONDUCTOR 1.1 MILE OF 05-2 LINE-GUTHSVILLE TAP		9	113	122
53310	EAST TEXAS 69-12KV SUBSTATION- EAST TEXAS 19-3 12KV LINE- RELOCATE/RECONSTRUCT LOMA 3 PHASE TAP < < OLD BI # 52910 > >	8	129		137
54703	LANARK 69-12KV SUBSTATION- ADD'L 12KV LINE AND TERMINAL, CONVERT TO TYPE B OPERATION AND ADD SCADA < < OLD BI # 56403 > >	55	589		644
55205	TREICHLERS 69-12KV SUBSTATION- BUILD TIE BETWEEN 48-1 & 48-2 LINE		16	199	215
56207	ELLIOTT HEIGHTS SUBSTATION- CONSTRUCT A NEW PAXTON TYPE, MODIFIED TYPE B 12KV YARD AND INSTALL SCADA, RECOND/REBLD 12-2 AND 12-5 12KV LINES	96	661	300	1057
56308	MINSI TRAIL 69-12KV SUBSTATION- RELOCATE THE 25-4 12KV LINE AND REMOVE 25-3/4/5 12KV LINE OFF THE TOWPATH < < OLD BI # 55308 > >		16	213	229
56309	MINSI TRAIL 69-12KV SUBSTATION- RELOCATE THE 25-3 12KV LINE OFF THE TOWPATH < < OLD BI # 55309 > >	27	343		370
56509	SEIDERSVILLE 69-12KV SUBSTATION- RECONDUCTOR SECTION OF THE 39-2 12KV LINE	9	71		80

1995 CAPITAL CONSTRUCTION BUDGET
LEHIGH DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
56608	COOPERSBURG 69-12KV SUBSTATION- COOPERSBURG 09-3 12KV LINE- RELOCATE 3 PHASE LINE ONTO OLD BETHLEHEM PIKE	25	331		356
56609	COOPERSBURG 69-12KV SUBSTATION- 09-3 12KV LINE-ADD A THIRD PHASE TO THE LOCUST VALLEY TAP	7	60		67
57204	EAST GREENVILLE 10-1 3PH RECONSTRUCTION		12	124	136
57307	UPPER HANOVER 69-12KV SUBSTATION RECONDUCTOR AND ADD PHASE TO 51-3 12KV LINE-0.4 MILES		5	108	113
57901	RIDGE ROAD 69-12KV SUBSTATION AND 12KV CONNECTING LINES AND SCADA	681	363		1044
	<< OLD BI # 58701 >>				
58207	FRANCONIA 69-12KV SUBSTATION-ADD THIRD PHASE TO MORWOOD TAP ON 18-4 12KV LINE		4	47	51
58314	HATFIELD 69-12KV SUBSTATION- RECONDUCTOR THE 20-2 12KV LINE	2	37		39
	TOTAL AREA SUPPLY	1281	4169	5883	11333
	TOTAL LEHIGH REGION	11400	8526	32033	51959

1995 CAPITAL CONSTRUCTION BUDGET
HARRISBURG DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
60069	WEST SHORE-CARLISLE #1 & #2- RECONSTRUCT MECHANICSBURG TO CARLISLE SECTION	2414	2966	763	6143
60070	CARLISLE SUB - MODERNIZE 69KV RELAY AND CONTROL FACILITIES, REPLACE CABLES, REPLACE SCADA RTU AND UPGRADE CAPACITOR CONTROL	392	149		541
60074	WEST SHORE-HARRISBURG 1&2 LINES- RECONSTRUCT HARRISBURG-ROSEMONT SECTION	800	100	5000	5900
60081	WEST CARLISLE AND MT. ROCK 69KV TAP LINES-REHABILITATION		580	1403	1983
60086	JUNIATA-RICHFIELD 69KV-REBUILD NEWPORT TO THOMPSONTOWN SECTION		73	3446	3519
60088	HUMMELSTOWN 230-69KV SUBSTATION REPLACE TRANSFORMER 3		169	1567	1736
	TOTAL REGIONAL SUPPLY	3606	4037	12179	19822
<u>AREA SUPPLY</u>					
60502	MIFFLINTOWN 69-12KV SUBSTATION 69KV AND 12KV LINE CONNECTIONS AND SCADA	85	619		704
61506	DALMATIA 69-12KV SUBSTATION- RELOCATE 36-2 12KV LINE		30	304	334

**1995 CAPITAL CONSTRUCTION BUDGET
HARRISBURG DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
62008	HALIFAX 69-12KV SUB-ADD'L 12KV LN & TERM AND ADD SCADA	20	145		165
62009	HALIFAX 69-12KV SUBSTATION- RELOCATE 39-2 12KV LINE	280	43		323
62318	BENVENUE 69-12KV SUBSTATION- ADD THIRD PHASE TO LOSH RUN TAP	10	166		176
62319	BENVENUE 69-12KV SUBSTATION- DELLVILLE THREE PHASE	18	167		185
65810	ROSEMONT 69-12KV SUBSTATION- ADDITIONAL TRANSFORMER CAPACITY AND SCADA	2	15	142	159
66405	NORTH HARRISBURG 69-12KV SUBSTATION-ADDITIONAL 12KV LINE AND TERMINAL		21	189	210
66508	WINDSOR 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL	24	305		329
66715	WALNUT 12KV SYSTEM, SPLIT HARRISBURG LTN SYSTEM SOUTH SECTION ELECTRICAL WORK, PART 1	100	387		487
66716	WALNUT 12KV SYSTEM, SPLIT HARRISBURG LTN SYSTEM SOUTH SECTION ELECTRICAL WORK, PART 2	50	443		493
66717	WALNUT 12KV SYSTEM, SPLIT HARRISBURG LTN SYSTEM SOUTH SECTION ELECTRICAL WORK, PART 3		49	457	506

**1995 CAPITAL CONSTRUCTION BUDGET
HARRISBURG DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
66718	WALNUT 12KV SYSTEM, SPLIT HARRISBURG LTN SYSTEM SOUTH SECTION ELECTRICAL WORK, PART 4		12	495	507
66719	WALNUT 69-12KV SUBSTATION- ELECTRICAL WORK, PART 2		9	170	179
66722	WALNUT SOUTH NETWORK, LTN SECONDARY WORK	5	222		227
66723	WALNUT SOUTH NETWORK, INSTALL A 750 KVA TRANSFORMER IN VAULT 567	5	115		120
66724	WALNUT SOUTH NETWORK, VAULT 498 REPLACE A 500 KVA TRANSFORMER WITH A 750 KVA TRANSFORMER	5	50		55
66725	WALNUT SOUTH NETWORK, INSTALL A 750 KVA TRANSFORMER VAULT IN THE AREA OF SECOND AND WALNUT STREETS	5	115		120
67114	HARRISBURG 69-12KV SUBSTATION- REPLACE OVERDUTIED BREAKERS AND REPLACE SCADA REMOTE		34	313	347
67706	LINGLESTOWN 69-12KV SUBSTATION- INCREASE TRANSFORMER CAPACITY MODIFIED TWIN A AND ADD SCADA		21	194	215
68505	DUKE 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND SCADA		18	404	422
68703	RUTHERFORD 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND SCADA		44	403	447

**1995 CAPITAL CONSTRUCTION BUDGET
HARRISBURG DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
69705	SWATARA 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL	11	17	217	245
69818	HOCKERSVILLE 4KV-CONVERT TO 13KV-SINGLE FAMILY AND GARDEN APARTMENTS	57	577		634
	TOTAL AREA SUPPLY	677	3624	3288	7589
	TOTAL HARRISBURG REGION	4283	7661	15467	27411

**1995 CAPITAL CONSTRUCTION BUDGET
LANCASTER DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
70015	WEST HEMPFIELD 230-138KV SUBSTATION	843	3076	6629	10548
70016	SOUTH AKRON 230-138KV SUBSTATION	2888	4443	4996	12327
70017	WEST HEMPFIELD-SOUTH MANHEIM #1& 2 69KV LINE-CONVERT TO 138KV OPERATION FROM WEST HEMPFIELD TO PRINCE (9.5 MI.)	422	57	1533	2012
70022	SOUTH AKRON 230-69KV SUBSTATION- UPGRADE MISCELLANEOUS RELAY AND CONTROL EQUIPMENT		13	279	292
70025	WEST HEMPFIELD-SOUTH MANHEIM 69KV TIE LINE (PENN CASTINGS TAP TO KELLOGG TAP) 1.6 MILES	31	199	1128	1358
70026	SOUTH AKRON-EARL 69KV LINE		230	10840	11070
70027	SOUTH AKRON-MORGANTOWN #2 69KV LINE-RECONDUCTOR KINZER 13 TIE TO MORGANTOWN SUBSTATION (10.0 MILES)	147	965	414	1526
70029	NEW MORGAN 69KV TAP LINE		174	1328	1502
70034	821/822 LINE-REBUILD BERKS SUB TO STATE HILL TP (1.5 MI.); STATE HILL TAP-ADD SECOND CIRCUIT (3.2 MI.)	597	1135		1732

1995 CAPITAL CONSTRUCTION BUDGET
LANCASTER DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
70038	WEST HEMPFIELD-HUMMELSTOWN 69KV LINE-REBUILD NORTH COLUMBIA TAP TO DONEGAL SUBSTATION (3.2 MILES)	467	893	801	2161
70043	MCGOVERNVILLE 69KV TAP LINE		14	126	140
70045	ENGLESIDE-SOUTH AKRON 69KV LINE- CONVERT SECTION TO 138KV		233	2158	2391
70046	WEST HEMPFIELD-GRINNELL 69KV LINE-EXTEND TO NORTH COLUMBIA TAP (1.3 MILES)		20	185	205
70055	AT ELIZABETHTOWN 69-12KV SUB INSTALL A 10.8 MVAR 69KV CAPACITOR AND SCADA	15	463		478
	TOTAL REGIONAL SUPPLY	5410	11915	30417	47742
	<u>AREA SUPPLY</u>				
71206	STATE HILL 69-12KV SUBSTATION- CONVERT TO TWIN A AND SCADA	17	216		233
72205	MT. JOY 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND SCADA		22	194	216
72603	NORTH MANHEIM 69-12KV SUBSTATION ADDITIONAL 12KV LINE AND TERMINAL	198	135		333
73308	LINCOLN 69-12KV SUBSTATION- RECONDUCTOR 43-1 12KV LINE	14	81		95

**1995 CAPITAL CONSTRUCTION BUDGET
LANCASTER DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
73309	LINCOLN 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL, INCREASE TRANSFORMER CAPACITY, CONVERT TO TWIN A AND SCADA		10	989	999
73310	LINCOLN 69-12KV SUBSTATION- LINCOLN 43-2 12KV LINE EXTENSION	36	323		359
73511	COCALICO 69-12KV SUBSTATION- RECONDUCTOR 01-2 12KV LINE	16	148		164
73710	EAST PETERSBURG 69-12KV SUBSTATION-RECONDUCTOR 15-1 12KV LINE	5	95		100
74707	MORGANTOWN 69-12KV SUBSTATION- ADDITIONAL 12KV LINE & TERMINAL AND UPGRADE 69KV CAPACITOR PROTECTION		16	150	166
74801	NEW MORGAN SUBSTATION AND 12KV LINE CONNECTIONS		13	1084	1097
75005	LEOLA 69-12KV SUBSTATION- CONVERT TO 138KV-PART 1 & 2	38	281	375	694
75802	MARIETTA 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL	10	160		170
76112	HEMPFIELD 69-12KV SUBSTATION- REBUILD 38-3 12KV LINE		15	136	151
76309	DONERVILLE 69-12KV SUBSTATION- CONVERT TO TWIN A, 138KV OPERATION AND ADD 138KV SWITCHES PART 1 & 2	46	283	406	735

**1995 CAPITAL CONSTRUCTION BUDGET
LANCASTER DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
76606	ROHRERSTOWN 69-12KV SUBSTATION- CONVERT TO TWIN A, 138KV OPERATION AND ADD SCADA PART 1 & 2	41	227	395	663
76801	MCGOVERNVILLE 69-12KV SUBSTATION AND 12KV CONNECTING LINES AND SCADA	478	292	1480	2250
77113	PRINCE 69-12KV SUBSTATION- CONVERT TO 138KV	1123	1000	2060	4183
77212	LANCASTER LTN- REBUILD PRINCE-KING VAULT #147	8	10	178	196
77213	LANCASTER LTN- REBUILD KING-CHRISTIAN VAULT #146	80	262		342
77214	LANCASTER LTN-REBUILD MANHOLE #18	50	133		183
77217	LANCASTER LTN-CHRISTIAN-MIFFLIN VAULT #150	130	250		380
77218	LANCASTER LTN- REBUILD PRINCE-KING VAULT #193	5	10	151	166
77222	LANCASTER LTN ELIMINATE CONGESTION IN MANHOLE # 21	30	12		42
77409	EAST LANCASTER 69-12KV SUB- CONVERT TO 138KV-PART 1 & 2	38	240	418	696

**1995 CAPITAL CONSTRUCTION BUDGET
LANCASTER DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
77704	NORTH BRIDGEPORT 69-12KV SUB- CONVERT TO TWIN A, 138KV OPERATION AND ADD SCADA PART 1 & 2	41	229	399	669
78110	MILLERSVILLE 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL		23	216	239
78206	WEST WILLOW 69-12KV SUBSTATION- RECONDUCTOR 75-3 12KV LINE- PART 2	19	181		200
78207	WEST WILLOW 69-12KV SUBSTATION- RECONDUCTOR 75-3 12KV LINE- PART 3	12	228		240
78210	WEST WILLOW 69-12KV SUBSTATION- RECONDUCTOR 75-2 12KV LINE		3	48	51
78905	MOUNT NEBO 69-12KV SUBSTATION- RECONDUCTOR 48-1 12KV LINE		27	254	281
78906	MOUNT NEBO 69-12KV SUBSTATION- REBUILD 48-2 12KV LINE		11	166	177
79310	QUARRYVILLE 69-12KV SUBSTATION- 56-3 12KV LINE REBUILD	93	90		183
79611	WAKEFIELD 69-12KV SUBSTATION- REBUILD 74-2 12KV LINE-(TAYLORIA NORTH TAP)	14	143		157
	TOTAL AREA SUPPLY	2542	5169	9099	16810
	TOTAL LANCASTER REGION	7952	17084	39516	64552

**1995 CAPITAL CONSTRUCTION BUDGET
REGIONAL SUPPLY POOL ITEMS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
81101	REGIONAL SUPPLY-UPGRADE SUBSTATION CAPACITOR BANK PROTECTION SCHEMES		129		129
81102	REGIONAL SUPPLY IMPROVEMENTS		766		766
81103	RELOCATION DUE TO R/W REQUIREMENTS-TRANSMISSION		400		400
81104	POLE REPLACEMENTS-69KV AND ABOVE		800		800
81106	NUG CONNECTED TO THE REGIONAL SUPPLY SYSTEM-ENGINEERING FOLLOWUP AND TECHNICAL REVIEW		25		25
81109	REGIONAL 69KV AND 138KV LINES- IMPROVE GROUND CLEARANCE TO MAINTAIN LINE RATINGS		72		72
81111	REGIONAL SUPPLY SUBSTATIONS- DC STATION SERVICE IMPROVEMENTS		50		50
81113	SYSTEM - VARIOUS LOCATIONS MODIFY AND REPLACE AB SWITCHES TO OBTAIN PARALLEL BREAK CAPABILITIES		171		171
81115	PURCHASE POWER CIRCUIT BREAKERS- REGIONAL AND BULK POWER		130		130
81119	REPLACE DETERIORATED UPSWEPT ARMS-69KV AND ABOVE		450		450
81120	LOWER STRUCTURE GROUND RESISTANCE		300		300
	TOTAL REGIONAL POOL ITEMS		3293		3293

**1995 CAPITAL CONSTRUCTION BUDGET
AREA SUPPLY POOL ITEMS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
80001	RELOCATION DUE TO R/W REQUIREMENTS-DISTR		4000		4000
80002	ELIMINATE VULNERABLE FACILITIES LOCATED ALONG HIGHWAYS (INCLUDING MOD POLES)		150		150
80004	AREA SUPPLY IMPROVEMENTS		775		775
80007	PURCHASE OF 138-12KV TRANS		2710		2710
80009	CAPITAL REPAIRS TO FAILED 69-12KV POWER TRANSFORMERS		350		350
80013	PURCHASE POWER CIRCUIT BREAKERS- AREA SUPPLY		210		210
80015	CONNECTION OF NON-UTILITY GENERATION-AREA SUPPLY		25		25
80016	AREA SUPPLY SUBSTATIONS-DC STATION SERVICE IMPROVEMENTS		80		80
80017	REPLACEMENT OF DETERIORATED UNDERGROUND DISTRIBUTION CABLE		2400		2400
80018	LOW TENSION NETWORK PRIMARY CABLE REPLACEMENT		83		83
80019	REPLACEMENT OF DETERIORATED COPPERWELD CONDUCTOR		506		506
	TOTAL AREA POOL ITEMS		11289		11289

**1995 CAPITAL CONSTRUCTION BUDGET
AREA SUPPLY BLANKET ITEMS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
81001	POLE REPLACEMENTS-23KV & UNDER		3900		3900
81002	CAPACITORS-23KV & UNDER		750		750
81003	OIL CIRCUIT RECLOSERS		1400		1400
81004	DISTRIBUTION DEPARTMENT MINOR-LINES		4900		4900
81005	DISTRIBUTION DEPARTMENT MINOR-SUBSTATION		260		260
81006	DISTRIBUTION DEPARTMENT- STORMS AND EMERGENCIES		2700		2700
81008	DISTRIBUTION DEPARTMENT - INSTALL MOV'S AND ELBOW ARRESTORS AT SPECIFIC UG CABLE LOCATIONS		810		810
81009	DISTRIBUTION DEPARTMENT-REPLACE FAILED AND/OR DETERIORATED, NON-REPAIRABLE EQUIPMENT (INCL. LTN)		1020		1020
81011	DISTRIBUTION DEPARTMENT-FOREIGN UTILITY WORK		920		920
	TOTAL AREA BLANKET ITEMS		16660		16660

**1995 CAPITAL CONSTRUCTION BUDGET
REGIONAL AND AREA SUPPLY SUMMARY**

9/26/94

	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			
	PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	PROJECT TOTAL
REGIONAL SUPPLY				
SPECIFIC ITEMS	27845	33296	111128	172269
POOL ITEMS		3293		3293
TOTAL REGIONAL SUPPLY	27845	36589	111128	175562
AREA SUPPLY				
SPECIFIC ITEMS	8163	20313	27647	56123
POOL ITEMS		11289		11289
BLANKET ITEMS		16660		16660
TOTAL AREA SUPPLY	8163	48262	27647	84072
TOTAL REGIONAL & AREA SUPPLY	36008	84851	138775	259634

**1995 CAPITAL CONSTRUCTION BUDGET
REVENUE WORK**

9/27/94

CONSTRUCTION COSTS
\$ THOUSANDS - ESCALATED

BI NO	PROJECT TITLE	PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	PROJECT TOTAL
82001	138KV AND 69KV REVENUE EXTENSIONS		1200		1200
82002	12KV REVENUE EXTENSIONS ON SPECIFIC ERS		11300		11300
82003	REVENUE EXTENSIONS ON WORK ORDERS		46000		46000
83001	STREET LIGHTING-EXTENSION OR MODERNIZATION OF EXISTING SYSTEMS		3000		3000
83003	DISTR TRANSFORMERS		14000		14000
83004	METERS		4500		4500
	TOTAL REVENUE WORK		80000		80000

**1995 CAPITAL CONSTRUCTION BUDGET
SITES AND LINE RIGHTS-OF-WAY**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
84001	GENERATION		100		100
84002	BULK POWER TRANSMISSION		300		300
84003	REGIONAL SUPPLY		200		200
84005	GENERAL PROPERTY		100		100
TOTAL SITES & LINE RIGHT-OF-WAY			700		700

1995 CAPITAL CONSTRUCTION BUDGET
GENERAL BUILDINGS

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
85013	GENERAL OFFICE - NORTH BUILDING- NB1 UPGRADES	950	825		1775
85016	HARRISBURG SERVICE CENTER REPLACE HVAC SYSTEM		250	450	700
85017	GENERAL OFFICE - NORTH BUILDING- N3, N4, N5 RECONFIGURATION		1175		1175
85018	GENERAL OFFICE - NORTH BUILDING ESCALATOR REPLACEMENT		50	805	855
85019	GENERAL OFFICE - TOWER BUILDING REPLACE AIR HANDLING UNIT		200	350	550
85020	GENERAL OFFICE - TOWER BUILDING REPLACE ELEVATOR DRIVES		25	425	450
85090	HAZLETON OPERATING AREA SERVICE CENTER	100	2210	3090	5400
85093	HONESDALE OPERATING AREA - HAMLIN SERVICE CENTER	100	2995		3095
85099	SYSTEM FACILITIES SERVICE CENTER PHASE III	16220	770		16990
85801	LAND MANAGEMENT PROJECTS		245		245
87001	OFFICE AND SERVICE BUILDINGS ADDITIONS AND REPLACEMENTS		2815		2815
*	BUILDING PROJECTS-ADJUSTMENT		-1600		-1600
	TOTAL GENERAL BUILDINGS	17370	9960	5120	32450

* Adjustment for unanticipated future carryovers and/or project deferrals

**1995 CAPITAL CONSTRUCTION BUDGET
OTHER CATEGORY**

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
86001	COMMUNICATION SYSTEM		85		85
86003	POWER MANAGEMENT SYSTEM		619		619
86005	CAPITALIZATION OF COMPUTER SOFTWARE	5300	39700	86000	131000
86006	LEASEHOLD IMPROVEMENTS		191		191
86007	REPLACEMENT OF SUPERVISORY REMOTES-SYSTEMWIDE		694		694
86008	POWER MANAGEMENT SYSTEM- MODIFICATIONS/IMPROVEMENTS		115		115
86009	PJM FACILITIES PROJECTS PP&L SHARE		469		469
86010	PJM-ENERGY MANAGEMENT COMPUTER SYSTEM-PL SHARE	400	1448	4950	6798
87002	OFFICE FURNITURE & EQUIPMENT		460		460
87003	TOOLS AND EQUIPMENT		550		550
87004	FIRE EXTINGUISHERS		27		27
87007	UNDERGROUND STORAGE TANKS- REPLACEMENT PROGRAM		200		200
89001	RETIREMENTS UNDISTRIBUTED COSTS AND ADJUSTMENTS		200		200
89002	PROJECTS REQUIRING SMALL AMOUNTS TO COMPLETE		2000		2000
89003	RESEARCH AND DEVELOPMENT		100		100
	TOTAL OTHER	5700	46858	90950	143,508

**1995 CAPITAL CONSTRUCTION BUDGET
NUCLEAR FUEL PURCHASES**

9/28/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
220	NUCLEAR FUEL PURCHASES		52100	274600	326700
	GRAND TOTAL	211671	438911	993986	1644568

APPENDIX B
1996 LIST OF PROJECTS

**1996 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - NUCLEAR
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
311	SUSQUEHANNA SES - UNITS 1,2&CMN PIMS EQUIPMENT	219	185	591	995
370	SUSQUEHANNA SES - UNIT 2 CONTAINMENT RADIATION MONITORS	4830	56		4886
417	SUSQUEHANNA SES - UNIT 1 EXTRACTION STEAM PIPING REPLACEMENT	4424	1112	955	6491
418	SUSQUEHANNA SES - UNIT 2 EXTRACTION STEAM PIPING REPLACEMENT	4785	742	955	6482
439	SUSQUEHANNA SES - CMN SPENT FUEL STORAGE ADDITIONS	1725	6026	3539	11290
440	SUSQUEHANNA SES - UNIT 1 REPLACE PLANT COMPUTER SYSTEM	4883	4728	668	10279
441	SUSQUEHANNA SES - UNIT 2 REPLACE PLANT COMPUTER SYSTEM	7539	1622	668	9829
442	SUSQUEHANNA SES - UNIT 1 REACTOR CORE STABILITY	769	593	298	1660
443	SUSQUEHANNA SES - UNIT 2 REACTOR CORE STABILITY	763	593	306	1662
453	SUSQUEHANNA SES - UNIT 1 CONTROL ROD REPLACEMENT DURING REFUELING - INSPECTION OUTAGE #9		857		857

**1996 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - NUCLEAR
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
464	SUSQUEHANNA SES - UNIT 2 CONDENSER TUBE CLEANING PROJECT	1169	278		1447
483	SUSQUEHANNA SES - UNIT 1 REACTOR RECIRC PUMP SHAFT REPLACEMENT	1755	5122	501	7378
484	SUSQUEHANNA SES - UNIT 2 REACTOR RECIRC PUMP SHAFT REPLACEMENT	3645	2190	1516	7351
487	SUSQUEHANNA SES - UNIT 1 REFUELING BRIDGE UPGRADE	1586	232		1818
508	SUSQUEHANNA SES - UNIT 2 CIRCULATING WATER EXPANSION JOINT REPLACEMENT	217	93	358	668
513	SUSQUEHANNA SES - UNIT 1 (RPV) WATER LEVEL INSTRUMENTATION VENTING MODIFICATIONS	2014	232		2246
515	SUSQUEHANNA SES - UNIT 2 REFUELING PLATFORM UPGRADE (LONG TERM PROJECT)	1586	232		1818
522	SUSQUEHANNA SES - CMN PLANT COMPUTER UPGRADE	405	185	48	638
524	SUSQUEHANNA SES - UNIT 1 INSTALL CONTAINMENT OXYGEN MONITORING	23	324	119	466

**1996 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - NUCLEAR
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
525	SUSQUEHANNA SES - UNIT 2 INSTALL CONTAINMENT OXYGEN MONITORING	23	324	119	466
526	SUSQUEHANNA SES - CMN FIRE PROTECTION UPGRADES	217	185	116	518
527	SUSQUEHANNA SES - UNIT 1 FIRE PROTECTION UPGRADES	198	371	363	932
528	SUSQUEHANNA SES - UNIT 2 FIRE PROTECTION UPGRADES	198	371	363	932
536	SUSQUEHANNA SES - UNIT 2 EXPANSION JOINT REPLACEMENT	127	185	358	670
538	SUSQUEHANNA SES - CMN SECURITY COMPUTER UPGRADE	274	1910	4227	6411
540	SUSQUEHANNA SES - UNIT 2 CONTROL ROD REPLACEMENT DURING REFUELING - INSPECTION OUTAGE #8		284	239	523
543	SUSQUEHANNA SES - UNIT 1 VIBRATION MONITORING MAJOR ROTATING EQUIPMENT		185	339	524
544	SUSQUEHANNA SES - UNIT 2 VIBRATION MONITORING MAJOR ROTATING EQUIPMENT		185	339	524
880	SUSQUEHANNA SES - COMMON CAPITAL SPARE PARTS - 1996		1391		1391

**1996 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - NUCLEAR
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
885	SUSQUEHANNA SES-COMMON CAPITAL OFFICE FURNITURE AND EQUIPMENT-TOOLS AND EQUIPMENT		1391		1391
900	SUSQUEHANNA SES MINOR WORK PROJECTS - CAPITAL		927		927
910	SUSQUEHANNA SES SITE SERVICES - CAPITAL		464		464
920	SUSQUEHANNA SES MAINTENANCE-CAPITAL REPLACEMENTS		925		925
990	SUSQUEHANNA SES UNIDENTIFIED PROJECTS		10500		10500
	TOTAL EXISTING GENERATION-NUCLEAR	43374	45000	16985	105359

**1996 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
1121	MARTINS CREEK SES - UNITS 1&2 ASH BASIN NO. 1 CLOSURE	170	20	1404	1594
1140	MARTINS CREEK SES - UNITS 1&2 INSTALL BOTTOM ASH HANDLING SYSTEM	700	1791		2491
1143	MARTINS CREEK SES - UNIT 3 CONVERT TO GAS-OIL CO-FIRING	926	14860		15786
1144	MARTINS CREEK SES - UNIT 4 CONVERT TO GAS-OIL CO-FIRING	248	511	11488	12247
1148	MARTINS CREEK SES - UNITS 1&2 INSTALL GROUNDING SYSTEM	300	222		522
2034	SUNBURY SES - UNIT 4 REPLACE ECONOMIZER	66	699	1186	1951
2097	SUNBURY SES - UNIT 4 REPLACE OUTLET CONVECTION SUPERHEAT TUBES	15	159	271	445
2141	SUNBURY SES - CLOSE ASH BASIN NO. 1	403	64	920	1387
2142	SUNBURY SES - CLOSE ASH BASIN NO. 2	508	73	1188	1769
2162	SUNBURY SES - UNIT 4 REPLACE 4B AIR HEATER GAS INLET EXPANSION JOINTS	8	10	25	43
2163	SUNBURY SES - UNIT 4 ECONOMIZER OUTLET DUCT EXPANSION JOINTS	14	26	70	110

**1996 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
2164	SUNBURY SES - UNIT 4 REPLACE GENERATOR ROTOR	294	2541	472	3307
2169	SUNBURY SES REPLACE FILTERED WATER PIPING	250	249		499
2174	SUNBURY SES ADD DRY FLY ASH HANDLING	1768	14900	1404	18072
2175	SUNBURY SES ADD BOTTOM ASH HANDLING	419	3294	244	3957
2176	SUNBURY SES ADD WASTE WATER TREATMENT	700	7265		7965
3035	HOLTWOOD SES - UNIT 17 LOW NOX BURNERS	175	11	2896	3082
3036	HOLTWOOD SES CLOSE ASH BASIN NO. 2 - PHASE 1	81	37	1306	1424
3037	HOLTWOOD SES ADD DRY FLY ASH HANDLING	260	950	112	1322
4034	BRUNNER ISLAND SES ELECTRICAL MAINTENANCE & O&S BUILDING EXPANSION	500	60	594	1154
4115	BRUNNER ISLAND SES CONSTRUCT NEW PYRITES FACILITY	43	199	502	744
4116	BRUNNER ISLAND SES COAL PILE LINER	570	2837		3407

**1996 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
4162	BRUNNER ISLAND SES - UNIT 3 REPLACE 1A & 1B FEEDWATER HEATER		283	2629	2912
4205	BRUNNER ISLAND SES CLOSE ASH BASIN NO. 6	361	39	1085	1485
4206	BRUNNER ISLAND SES CLOSE ASH BASIN NO. 7	465	35	1085	1585
4231	BRUNNER ISLAND SES ADD LAND IMPROVEMENTS TO WETLANDS	84	199		283
4234	BRUNNER ISLAND SES CLOSE SOUTH PORTION OF ASH BASIN 4	86	497		583
4235	BRUNNER ISLAND SES WASTE WATER TREATMENT FACILITIES	145	149	891	1185
5044	MONTOUR SES OFFICE & SERVICES BLDG EXPANSION	83	256		339
5085	MONTOUR SES - UNIT 2 REPLACE CONTROL SYSTEM	1036	4886		5922
5104	MONTOUR SES - UNIT 1 INSTALL FLUE GAS DESULFURIZATION	2000	11206	314677	327883
5107	MONTOUR SES - UNIT 2 INSTALL FLUE GAS DESULFURIZATION		3017	81732	84749
5150	MONTOUR SES - UNIT 2 REPLACE IP TURBINE INNER CYLINDER	2003	460		2463

**1996 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
5154	MONTOUR SES CLOSE ASH BASIN NO. 1- SECTION A	1100	199	5615	6914
5156	MONTOUR SES NEW BOTTOM ASH FACILITIES	500	1492	991	2983
5157	MONTOUR SES NEW PYRITES FACILITIES	430	469		899
5172	MONTOUR SES - UNIT 2 REPLACE SULFUR BURNING GAS CONDITIONING SYSTEM CONTROLS	75	255		330
6034	HOLTWOOD HES INSTALL FISH PASSAGE FACILITIES	8500	12340		20840
6040	HOLTWOOD HES REPLACE OPERATING CYLINDERS	430	779		1209
6041	HOLTWOOD HES- REMOVE ELECTRICAL EQUIPMENT	200	398		598
7510	KEYSTONE SES - PP&L SHARE VARIOUS ADDNS & REPLACEMENTS		4222		4222
7750	CONEMAUGH SES - PP&L SHARE VARIOUS ADDNS & REPLACEMENTS		2407		2407
7910	ASBESTOS PROGRAM-VARIOUS LOCATIONS		2106		2106
7920	REMOVE RETIRED IN-PLACE EQUIPMENT - ALL FOSSIL/HYDRO PLANTS		103		103

**1996 CAPITAL CONSTRUCTION BUDGET
EXISTING GENERATION - FOSSIL/HYDRO
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
7960	GENERATING STATIONS UNANTICIPATED REPLACEMENTS		1030		1030
7980	GENERATING STATIONS MINOR REPLACEMENTS		1545		1545
7990	GENERATING STATIONS MINOR ADDITIONS		721		721
8000	GENERATION PROJECTS UNCOMMITTED		16707		16707
	TOTAL EXISTING GEN-FOSSIL AND HYDRO	25916	116578	432787	575281

**1996 CAPITAL CONSTRUCTION BUDGET
BULK POWER TRANSMISSION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
8027	MONTOUR 230KV SWITCHYARD-INSTALL ALARM MANAGEMENT SYSTEM		44	488	532
8029	MARTINS CREEK 69KV-INSTALL ALARM MANAGEMENT SYSTEM		3	403	406
8030	MARTINS CREEK 230KV-INSTALL ALARM MANAGEMENT SYSTEM		3	545	548
8031	SUNBURY 500-230KV SUBSTATION- INSTALL ALARM MANAGEMENT SYSTEM	19	175		194
8040	LACKAWANNA 230KV SUBSTATION- REPLACE TWO CIRCUIT BREAKERS		27	245	272
8042	NORTHERN PL 500KV TRANSMISSION- REPLACE PRIMARY #1 PILOT RELAY SCHEME (PHASE I AND II)	700	2698	5155	8553
8043	BRUNNER ISLAND SES-REPLACE 230KV SWITCHYARD DISCONNECTS	662	178		840
8044	JUNIATA 500KV SUBSTATION-UPGRADE BREAKER FAILURE PROTECTION		16	203	219
8049	SUSQUEHANNA 230KV-REPLACE 2 BAY 3 CB'S AND 5 ATB CB'S	47	664	477	1188
8081	MARTINS CREEK 230KV SWITCHYARD- REPLACE CBS IN BAY 1	54	496		550
8680	BUSHKILL SWITCHING STATION- BLOOMING GROVE 230-69 SUB- REPL TONE RELAY EQUIP., INSTALL PT'S & UPGRADE MISC. STATION EQUIPMENT	81	676		757

**1996 CAPITAL CONSTRUCTION BUDGET
BULK POWER TRANSMISSION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
8700	MARTINS CREEK, NORTHWOOD & QUARRY SUBS-UPGRADE TONE RELAY SCHEMES	104	892		996
9009	FRACKVILLE-SIEGFRIED 230KV LINE- RECONDUCTOR FOR HIGHER CAPACITY		330	6185	6515
9970	BULK POWER IMPROVEMENTS		309		309
9990	BULK POWER PROJECTS-UNIDENTIFIED		516		516
	TOTAL BULK POWER TRANSMISSION	1667	7027	13701	22395

**1996 CAPITAL CONSTRUCTION BUDGET
SUSQUEHANNA REGION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
10001	FRACKVILLE-EXCHANGE/EXCHANGE-CENTRALIA-UPGRADE TO KENRO AND LINE REMOVAL (4.5 MI.) << OLD BI # 40073 >>	118	128		246
10002	EXCHANGE 69KV SWITCHING STATION REMOVAL AND INSTALL NEW CONTROL CUBICLE AND SCADA << OLD BI # 40074 >>	552	62		614
10003	FRACKVILLE-FISHBACH #3 69KV LINE RECONSTRUCT 2.5 MILES TO 138KV D/C FROM OAK HILL SUBSTATION TO FISHBACH << OLD BI # 40075 >>	352	41	1642	2035
10006	GIRARDVILLE 138KV TAP LINE- 1.0 MILE << OLD BI # 40080 >>	53	35	1106	1194
10008	ELDRED-PINE GROVE 69KV LINE-PHASE 1-RECONSTRUCT SECTION FROM ELDRED TO HEGINS TO 138 (5.7 MI) << OLD BI # 40082 >>	106	148	3611	3865
10018	SUNBURY-COLUMBIA 69KV LINE - REPLACE OHGW FOR 5.2 MI. FROM SUNBURY TO POINT TAP	8	79		87
10023	ELDRED-GOWEN CITY 69KV LINE- RECONDUCTOR 2/O COPPER PORTION		52	837	889
10086	BERWICK SUBSTATION-UPGRADE 69KV RELAYING AND OTHER FACILITIES	250	42	715	1007

1996 CAPITAL CONSTRUCTION BUDGET
 SUSQUEHANNA REGION
 LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
10087	SUNBURY SES-REPLACE CONTROL CABLES AND UPGRADE 69KV, 132KV AND 230KV RELAY AND CONTROL FACILITIES AND REPLACE 230KV SCADA	30	111	4042	4183
10090	LYCOMING-LOCK HAVEN 1&2 69KV LN- RECONSTRUCT PART 1	2597	411	4657	7665
10091	LYCOMING-LOCK HAVEN 1&2 69KV LN- RECONSTRUCT PART 2	839	787	5948	7574
10096	FISHBACH-PINE GROVE 69KV LINE- RECONST THE CRESSONA TIE-PINE GR SECT (8.85 MI.) FOR 138 DBL CKT		67	5298	5365
	<< OLD BI # 40045 >>				
	TOTAL REGIONAL SUPPLY	4905	1963	27856	34724
	<u>AREA SUPPLY</u>				
10503	WOOLRICH 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL	14	172		186
11421	WILLIAMSPORT 69-12KV SUBSTATION- INSTALL BREAKER FAILURE PROTECTION ON 12KV CIRCUIT BRKRS AND REPL SCADA AT SUB & CTG	64	643		707
	<< OLD BI # 12721 >>				
11712	KENMAR 12-02 12KV LINE- RECONDUCTOR 0.71 MI. 4/0 ACSR THREE PHASE PORTIONS		8	81	89

1996 CAPITAL CONSTRUCTION BUDGET
SUSQUEHANNA REGION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
12114	HUGHESVILLE 70-02 12KV LINE- RECONDUCTOR, RELOCATE AND ADD PHASE TO BEAVER LAKE TAP	33	340		373
12115	HUGHESVILLE 70-02-ADD PHASE CLARKSTOWN TAP AND ADD PHASE/ RECONDUCTOR CHESTNUT GROVE TAP	21	232		253
13605	POINT 42-02 12KV LINE- RECONDUCTOR APPROX. 1.7 MILES OF THE WINFIELD TAP << OLD BI # 15605 >>	20	190		210
14206	PENNS 69-12KV SUBSTATION- RECONDUCTOR A PORTION OF THE 74-NEW 12KV LINE << OLD BI # 16806 >>		6	72	78
15708	WEST BERWICK 69-12KV SUB-RECOND A PORTION OF THE BRANDT MILLS 12KV TAP << OLD BI # 19108 >>		3	25	28
16914	SHAMOKIN 4KV-CONVERT THE UNIONTOWN FEEDER TO 12KV (PART II) << OLD BI # 43314 >>	15	194		209
17003	NORTH SHAMOKIN 69-12KV SUB & 12KV CONNECTING LINES << OLD BI # 43503 >>		36	903	939
17711	ALTAMONT 69-12KV SUBSTATION- RECONDUCTOR 25-2 LINE << OLD BI # 44511 >>		3	41	44

**1996 CAPITAL CONSTRUCTION BUDGET
SUSQUEHANNA REGION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
17801	GIRARDVILLE 69-12KV SUB AND 12KV LINE CONNECTIONS		3	787	790
	<< OLD BI # 44701 >>				
19016	WADESVILLE 4KV SYSTEM-CONV TO 12KV	4	42		46
	<< OLD BI # 47916 >>				
	TOTAL AREA SUPPLY	171	1872	1909	3952
	TOTAL SUSQUEHANNA REGION	5076	3835	29765	38676

**1996 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - SCRANTON AREA
LIST OF PROJECTS**

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
20043	LACKAWANNA-PECKVILLE #2 AND LACKAWANNA-SUBURBAN DOUBLE CIRCUIT 69KV LINE-RECONSTRUCT FOR DOUBLE CIRCUIT 138KV	73	681		754
20044	LACKAWANNA-PECKVILLE #1 69KV LINE-RECONSTRUCT FOR DOUBLE CIRCUIT 138KV	46	80	1855	1981
20046	JENKINS-MINOOKA #1&2-RECONSTRUCT FOR 138KV	304	412	560	1276
20047	MONTAGE 138KV TAP-1.5 MI.	373	399		772
20049	LACKAWANNA-CONSTRUCT 230-138KV SUBSTATION	200	721	8361	9282
20052	LACKAWANNA-SCRANTON #1 AND #2 69KV LINES-UPGRADE AT SCRANTON SUBSTATION	12	114		126
20053	LACKAWANNA-EAST CARBONDALE LINE- RECONSTRUCT FOR DOUBLE CIRCUIT 138KV		150	3728	3878
20054	HILL 138KV TAP	17	12	800	829
	TOTAL REGIONAL SUPPLY	1025	2569	15304	18898
<u>AREA SUPPLY</u>					
20719	EAST CARBONDALE 12-3-CREAMTOWN 4KV-CONVERT TO 12KV (PART 3)	7	125		132

**1996 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - SCRANTON AREA
LIST OF PROJECTS**

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
20720	EAST CARBONDALE 12-3 LINE-CURTIS VALLEY/CREAMTOWN 4KV TO 12KV FINAL CONVERSION		21	364	385
21505	EDELLA 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL, CONVERT TO TWIN "A" OPERATION		29	346	375
21506	CONSTRUCT A THREE PHASE TIE BETWEEN THE EDELLA 21-2 12KV LINE AND THE EYNON 16-1 12KV LINE	6	69		75
23709	KEYSER AVE. 74-3 12KV LN- RECONDUCTOR		1	17	18
23710	KEYSER AVENUE 69-12KV SUBSTATION ADDITIONAL 12KV LINE AND TERMINAL AND CONVERT TO TWIN A AND ADD SCADA		43	503	546
24301	HILL 69-12KV SUBSTATION AND 12KV LINE CONNECTIONS, INSTALL SCADA	21	154	831	1006
24436	SCRANTON LTN-REBUILD MANHOLE #191	10	97		107
24440	SCRANTON LTN-5TH CABLE BACKUP	157	768	2571	3496
24702	CEDAR AVENUE 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND LTN BACKUP	23	250		273
25101	MONTAGE 138-12KV SUBSTATION 12KV CONNECTING LINES AND SCADA	288	791		1079

**1996 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - SCRANTON AREA
LIST OF PROJECTS**

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
25302	MOSCOW 69-12KV SUB-ADD'L 12KV LINE & TERMINAL & INCREASE TRANSFORMER CAPACITY AND ADD SCADA		28	334	362
	TOTAL AREA SUPPLY	512	2376	4966	7854
	TOTAL SCRANTON REGION	1537	4945	20270	26752

**1996 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - HONESDALE AREA
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
30054	KIMBLES 138KV TAP (0.5 MILE)	146	43	259	448
	TOTAL REGIONAL SUPPLY	146	43	259	448
<u>AREA SUPPLY</u>					
31104	WEST DAMASCUS 69-12KV SUBSTATION 60-1 12KV LINE-RECONDUCTOR AND REBUILD A PORTION OF THE ABRAHAMSVILLE TAP	13	119		132
31219	KIMBLES 69-12KV SUBSTATION- (WALLENPAUPACK 39-4 LINE)- SANDY SHORE TAP ADDITIONAL PHASE	2	34		36
32109	VARDEN 69-12KV SUBSTATION-46-3 LINE PINK TAP TRANSFERRED TO 46-2 LINE GRAVITY TAP		13	171	184
33005	NEWFOUNDLAND 69-12KV SUBSTATION- RECONDUCTOR AND RELOCATE PORTIONS OF 83-1		45	466	511
33205	TAFTON 69-12KV SUBSTATION 80-1 LINE-CLOUD CREST TAP-INSTALL ADDITIONAL PHASE	4	54		58
33701	KIMBLES 69-12KV SUBSTATION AND 12KV CONNECTING LINES AND INSTALL SCADA	631	89	848	1568

**1996 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - HONESDALE AREA
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
33915	WALLENPAUPACK 69-12KV SUBSTATION REMOVE SUBSTATION AND CONNECTING LINES	87	4	340	431
	TOTAL AREA SUPPLY	737	358	1825	2920
	TOTAL NORTHEAST DIVISION - HONESDALE	883	401	2084	3368

**1996 CAPITAL CONSTRUCTION BUDGET
NORTHEAST DIVISION - HAZ/W B AREA
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
40084	JENKINS-HARWOOD #1 69KV LINE- RECONSTRUCT JENKINS-WILKES-BARRE SECTION (11.2 MILES) FOR 138KV	69	324	4098	4491
40087	EAST PALMERTON-WAGNERS 69KV LINE RECONSTRUCT FOR DOUBLE CIRCUIT OPERATION FROM CHRISTMANS TO LAKE HARMONY-9.1 MILES (PART 2) & CONV LAKE HARMONY TO "TWIN A"	3374	1996		5370
40090	JENKINS 230/138 KV SUBSTATION CONSTRUCTION		68	5492	5560
40097	NUREMBURG 138KV TAP		21	1749	1770
	TOTAL REGIONAL SUPPLY	3443	2409	11339	17191
<u>AREA SUPPLY</u>					
40522	WILKES BARRE LTN-RETOP 10 MANHOLES #9	13	126		139
41506	HICKORY RUN 69-12KV SUBSTATION- INSTALL SCADA, NEW LINE AND TERMINAL, ADD'L TRANSFORMER CAPACITY		60	546	606
	<< OLD BI # 46806 >>				
43412	WEISSPORT 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL	322	294		616
	<< OLD BI # 49812 >>				
	TOTAL AREA SUPPLY	335	480	546	1361
	TOTAL NORTHEAST DIVISION - HAZ / WB	3778	2889	11885	18552

1996 CAPITAL CONSTRUCTION BUDGET
LEHIGH DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
50034	REBUILD SEIDERSVILLE-QUAKERTOWN 69KV	910	1442	14126	16478
50053	SIEGFRIED-HAUTO #4 69KV LINE- RECONDUCTOR THE SECTION FROM SIEGFRIED SUB TO SOUTH SLATINGTON SUB (5.5 MILES)		94	1004	1098
50058	HENRYVILLE 138KV TAP (3.7 MILES)	613	254	2354	3221
	<< OLD BI # 30053 >>				
50061	QUARRY-ELLIOTT HEIGHTS #1 AND #2 69KV LINES-INSTALL AIRBREAK SWITCHES	9	82		91
	TOTAL REGIONAL SUPPLY	1532	1872	17484	20888
<u>AREA SUPPLY</u>					
50717	WAGNERS 69-12KV SUBSTATION-NEW 12KV LINE AND TERMINAL AND CONVERT TO TWIN A	30	453		483
	<< OLD BI # 35717 >>				
50814	LAKE NAOMI 86-1 LINE-HEMLOCK DRIVE TAP-ADDITIONAL PHASES	5	96		101
	<< OLD BI # 36014 >>				
50815	LAKE NAOMI 86-3 LINE-HEMLOCK/ HILLCREST TAPS-ADDITIONAL PHASES	3	45		48
	<< OLD BI # 36015 >>				

**1996 CAPITAL CONSTRUCTION BUDGET
LEHIGH DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
50917	MT. POCONO 64-1 LINE-INSTALL THREE PHASE ON ACE CORNERS TAP << OLD BI # 36117 >>	8	134		142
51001	HENRYVILLE 69-12KV SUBSTATION AND 12KV LINE CONNECTIONS AND INSTALL SCADA << OLD BI # 36301 >>	10	264	1545	1819
51214	TANNERSVILLE 57-1 12KV LINE- INSTALL ADDITIONAL PHASE ON NEOLA TAP << OLD BI # 36614 >>	13	125		138
51304	BARTONSVILLE 79-1 12KV LINE- RECONDUCTOR AND ADDITIONAL 12KV LINE AND TERMINAL << OLD BI # 36804 >>	20	210		230
51717	GILBERT 78-1 LINE-INSTALL TWO ADDITIONAL PHASES ON KUHENBEAKER TAP << OLD BI # 38817 >>		21	277	298
51723	GILBERT 69-12KV SUBSTATION 78-1 LINE-RECONDUCTOR 12KV LINE << OLD BI # 38823 >>	11	101		112
52508	SCHNECKSVILLE 138-12KV SUB- RECONDUCTOR 37-1 12KV LINE	4	45		49
52509	SCHNECKSVILLE 138-12KV SUB RECONDUCTOR 37-2 12KV LINE	3	63		66
52707	FOGELSVILLE 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL		23	250	273

**1996 CAPITAL CONSTRUCTION BUDGET
LEHIGH DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
52812	CRACKERSPORT 69-12KV SUBSTATION- RECONDUCTOR 1.1 MILE OF 05-2 LINE-GUTHSVILLE TAP	9	113		122
53412	WEST ALLENTOWN 69-12KV SUB- REPLACE 54-5 12KV OCB AND ASSOCIATED DISCONNECT SWITCHES << OLD BI # 53012 >>		8	79	87
53619	SUMNER 69-12KV SUBSTATION- RECONDUCTOR 0.5 MILE OF THE 43-7 LINE		3	33	36
54026	ALLENTOWN 138-12KV SUBSTATION- REPLACE DETERIORATED A-CABLE SECTIONS AND INSTALL A NEW A-CABLE		77	718	795
54313	EMMAUS 69-12KV SUBSTATION- ADD THIRD PHASE TO 13-3 LINE- VERA CRUZ TAP		7	80	87
54602	ALTON PARK 69-12KV SUBSTATION- ALTON PARK 63-1 AND 2 UG TIE		7	61	68
55205	TREICHLERS 69-12KV SUBSTATION- BUILD TIE BETWEEN 48-1 & 48-2 LINE	16	199		215
55810	NORTH BETHLEHEM 69-12KV SUBSTATION-NORTH BETHLEHEM 30-2 12KV LINE-RECONDUCTOR AND TIE TO THE CATASAUQUA 07-3 12KV LINE		2	42	44
56013	MACADA 69-12KV SUBSTATION- RECONDUCTOR 0.6 MILE OF 26-1 12KV LINE		6	73	79

1996 CAPITAL CONSTRUCTION BUDGET
LEHIGH DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
56207	ELLIOTT HEIGHTS SUBSTATION- CONSTRUCT A NEW PAXTON TYPE, MODIFIED TYPE B 12KV YARD AND INSTALL SCADA, RECOND/REBLD 12-2 AND 12-5 12KV LINES	757	300		1057
56308	MINSI TRAIL 69-12KV SUBSTATION- RELOCATE THE 25-4 12KV LINE AND REMOVE 25-3/4/5 12KV LINE OFF THE TOWPATH << OLD BI # 55308 >>	16	213		229
56610	COOPERSBURG 69-12KV SUBSTATION- RECONSTRUCT THE 09-2 12KV LINE		13	201	214
56611	COOPERSBURG 69-12KV SUBSTATION- RECONSTRUCT THE 09-3 12KV LINE		7	114	121
57204	EAST GREENVILLE 10-1 3PH RECONSTRUCTION	12	124		136
57305	UPPER HANOVER 69-12KV SUB- REPLACE 51-2 12KV OCB AND ASSOCIATED DISCONNECT SWITCHES << OLD BI # 57105 >>		2	46	48
57307	UPPER HANOVER 69-12KV SUBSTATION RECONDUCTOR AND ADD PHASE TO 51-3 12KV LINE-0.4 MILES	5	108		113
58207	FRANCONIA 69-12KV SUBSTATION-ADD THIRD PHASE TO MORWOOD TAP ON 18-4 12KV LINE	4	47		51
	TOTAL AREA SUPPLY	926	2816	3519	7261
	TOTAL LEHIGH REGION	2458	4688	21003	28149

**1996 CAPITAL CONSTRUCTION BUDGET
HARRISBURG DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
<u>REGIONAL SUPPLY</u>					
60069	WEST SHORE-CARLISLE #1 & #2- RECONSTRUCT MECHANICSBURG TO CARLISLE SECTION	5380	763		6143
60074	WEST SHORE-HARRISBURG 1&2 LINES- RECONSTRUCT HARRISBURG-ROSEMONT SECTION	900	103	4897	5900
60081	WEST CARLISLE AND MT. ROCK 69KV TAP LINES-REHABILITATION	580	546	857	1983
60086	JUNIATA-RICHFIELD 69KV-REBUILD NEWPORT TO THOMPSONTOWN SECTION	73	264	3182	3519
60087	WEST SHORE-HARRISBURG #1 AND CUMBERLAND-WEST SHORE #1 69KV RECONDUCTOR SECTION		28	255	283
60088	HUMMELSTOWN 230-69KV SUBSTATION REPLACE TRANSFORMER 3	169	1567		1736
60090	HUMMELSTOWN 230-69KV SUBSTATION- RECONNECT TRANSFORMER #1		72	667	739
	TOTAL REGIONAL SUPPLY	7102	3343	9858	20303
<u>AREA SUPPLY</u>					
61505	DALMATIA 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND SCADA		18	177	195

1996 CAPITAL CONSTRUCTION BUDGET
HARRISBURG DIVISION
LIST OF PROJECTS

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
61506	DALMATIA 69-12KV SUBSTATION- RELOCATE 36-2 12KV LINE	30	304		334
62209	WILLIAMSTOWN 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND ADD SCADA		22	217	239
64308	MT. ALLEN 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL		20	799	819
65810	ROSEMONT 69-12KV SUBSTATION- ADDITIONAL TRANSFORMER CAPACITY AND SCADA	17	142		159
66111	ROCKVILLE SUB-RELAY AND BREAKER UPGRADE AND ADD SCADA		41	383	424
66112	ROCKVILLE 69-12KV SUBSTATION- REPLACE OIL FILLED CABLE ON 65-1 LINE		32	406	438
66405	NORTH HARRISBURG 69-12KV SUBSTATION-ADDITIONAL 12KV LINE AND TERMINAL	21	189		210
66717	WALNUT 12KV SYSTEM, SPLIT HARRISBURG LTN SYSTEM SOUTH SECTION ELECTRICAL WORK, PART 3	49	457		506
66718	WALNUT 12KV SYSTEM, SPLIT HARRISBURG LTN SYSTEM SOUTH SECTION ELECTRICAL WORK, PART 4	12	495		507
66719	WALNUT 69-12KV SUBSTATION- ELECTRICAL WORK, PART 2	9	170		179

**1996 CAPITAL CONSTRUCTION BUDGET
HARRISBURG DIVISION
LIST OF PROJECTS**

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
66720	WALNUT 69-12KV SUBSTATION- ELECTRICAL WORK, PART 3		82		82
66721	WALNUT 69-12KV SUBSTATION- INSTALL 69KV CAPACITOR BANKS		39	361	400
67114	HARRISBURG 69-12KV SUBSTATION- REPLACE OVERDUTIED BREAKERS AND REPLACE SCADA REMOTE	34	313		347
67706	LINGLESTOWN 69-12KV SUBSTATION- INCREASE TRANSFORMER CAPACITY MODIFIED TWIN A AND ADD SCADA	21	194		215
68003	DEVONSHIRE 69-12KV SUBSTATION AND 69KV AND 12KV LINE CONNECTIONS AND SCADA		42	1134	1176
68505	DUKE 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND SCADA	18	404		422
68703	RUTHERFORD 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND SCADA	44	403		447
69705	SWATARA 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL	28	217		245
69815	VIAN 59-1 LINE-CONVERT FROM 4KV TO 13KV		23	266	289
69821	VIAN 4KV SYSTEM-CONVERT TO 13KV- STAFFORD HEIGHTS AREA		23	208	231
	TOTAL AREA SUPPLY	283	3630	3951	7864
	TOTAL HARRISBURG REGION	7385	6973	13809	28167

1996 CAPITAL CONSTRUCTION BUDGET
LANCASTER DIVISION
LIST OF PROJECTS

9/26/94

CONSTRUCTION COSTS
\$ THOUSANDS - ESCALATED

BI NO	PROJECT TITLE	PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	PROJECT TOTAL
<u>REGIONAL SUPPLY</u>					
70009	MORGANTOWN 2-KINZER 13 TIE RECONDUCTOR (7.8 MILES)	30	108	811	949
70015	WEST HEMPFIELD 230-138KV SUBSTATION	3919	6629		10548
70016	SOUTH AKRON 230-138KV SUBSTATION	7331	4996		12327
70017	WEST HEMPFIELD-SOUTH MANHEIM #1& 2 69KV LINE-CONVERT TO 138KV OPERATION FROM WEST HEMPFIELD TO PRINCE (9.5 MI.)	479	1533		2012
70022	SOUTH AKRON 230-69KV SUBSTATION- UPGRADE MISCELLANEOUS RELAY AND CONTROL EQUIPMENT	13	15	264	292
70025	WEST HEMPFIELD-SOUTH MANHEIM 69KV TIE LINE (PENN CASTINGS TAP TO KELLOGG TAP) 1.6 MILES	230	433	695	1358
70026	SOUTH AKRON-EARL 69KV LINE	230	225	10615	11070
70027	SOUTH AKRON-MORGANTOWN #2 69KV LINE-RECONDUCTOR KINZER 13 TIE TO MORGANTOWN SUBSTATION (10.0 MILES)	1112	414		1526
70028	SOUTH AKRON-MORGANTOWN #1 69KV LINE-RECONDUCTOR EARL #1 TAP TO MORGANTOWN SUBSTATION (11.2 MILES)		142	2344	2486
70029	NEW MORGAN 69KV TAP LINE	174	236	1092	1502

1996 CAPITAL CONSTRUCTION BUDGET
LANCASTER DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
70038	WEST HEMPFIELD-HUMMELSTOWN 69KV LINE-REBUILD NORTH COLUMBIA TAP TO DONEGAL SUBSTATION (3.2 MILES)	1360	801		2161
70043	MCGOVERNVILLE 69KV TAP LINE	14	126		140
70045	ENGLESIDE-SOUTH AKRON 69KV LINE- CONVERT SECTION TO 138KV	233	2158		2391
70046	WEST HEMPFIELD-GRINNELL 69KV LINE-EXTEND TO NORTH COLUMBIA TAP (1.3 MILES)	20	185		205
70047	BERKS-SOUTH AKRON NO.1 69KV LINE RECONDUCTOR SECTION EPHRATA TAP NO. 1 TO BREAK POINT (2.4 MILES)		26	241	267
70049	BERKS-SOUTH AKRON NO.1 69KV LINE RETERMINATE AT SOUTH AKRON SUBSTATION		3	31	34
70052	MARIETTA 69-12KV SUBSTATION- PROVIDE TWO-LINE SUPPLY		5	49	54
	TOTAL REGIONAL SUPPLY	15145	18035	16142	49322
	<u>AREA SUPPLY</u>				
71813	ELIZABETHTOWN 69-12KV SUBSTATION RECONDUCTOR 17-1 12KV LINE		16	188	204
72205	MT. JOY 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND SCADA	22	194		216

1996 CAPITAL CONSTRUCTION BUDGET
LANCASTER DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
73005	LITITZ 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL AND TWIN A		6	520	526
73309	LINCOLN 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL, INCREASE TRANSFORMER CAPACITY, CONVERT TO TWIN A AND SCADA	10	87	902	999
73602	REAMSTOWN 69-12KV SUBSTATION- NEW 12KV LINE AND TERMINAL		23	636	659
74707	MORGANTOWN 69-12KV SUBSTATION- ADDITIONAL 12KV LINE & TERMINAL AND UPGRADE 69KV CAPACITOR PROTECTION	16	150		166
74709	MORGANTOWN 69-12KV SUBSTATION- INCREASE TRANSFORMER CAPACITY		16	150	166
74801	NEW MORGAN SUBSTATION AND 12KV LINE CONNECTIONS	13	126	958	1097
75005	LEOLA 69-12KV SUBSTATION- CONVERT TO 138KV-PART 1 & 2	319	263	112	694
76112	HEMPFIELD 69-12KV SUBSTATION- REBUILD 38-3 12KV LINE	15	136		151
76309	DONERVILLE 69-12KV SUBSTATION- CONVERT TO TWIN A, 138KV OPERATION AND ADD 138KV SWITCHES PART 1 & 2	329	284	122	735

**1996 CAPITAL CONSTRUCTION BUDGET
LANCASTER DIVISION
LIST OF PROJECTS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
76606	ROHRERSTOWN 69-12KV SUBSTATION- CONVERT TO TWIN A, 138KV OPERATION AND ADD SCADA PART 1 & 2	268	276	119	663
76801	MCGOVERNVILLE 69-12KV SUBSTATION AND 12KV CONNECTING LINES AND SCADA	770	1480		2250
77113	PRINCE 69-12KV SUBSTATION- CONVERT TO 138KV	2123	2060		4183
77212	LANCASTER LTN- REBUILD PRINCE-KING VAULT #147	18	178		196
77218	LANCASTER LTN- REBUILD PRINCE-KING VAULT #193	15	151		166
77409	EAST LANCASTER 69-12KV SUB- CONVERT TO 138KV-PART 1 & 2	278	293	125	696
77704	NORTH BRIDGEPORT 69-12KV SUB- CONVERT TO TWIN A, 138KV OPERATION AND ADD SCADA PART 1 & 2	270	279	120	669
78110	MILLERSVILLE 69-12KV SUBSTATION- ADDITIONAL 12KV LINE AND TERMINAL	23	216		239
78210	WEST WILLOW 69-12KV SUBSTATION- RECONDUCTOR 75-2 12KV LINE	3	48		51
78905	MOUNT NEBO 69-12KV SUBSTATION- RECONDUCTOR 48-1 12KV LINE	27	254		281

1996 CAPITAL CONSTRUCTION BUDGET
LANCASTER DIVISION
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	PROJECT TOTAL
78906	MOUNT NEBO 69-12KV SUBSTATION- REBUILD 48-2 12KV LINE	11	166		177
	TOTAL AREA SUPPLY	4530	6702	3952	15184
	TOTAL LANCASTER REGION	19675	24737	20094	64506

**1996 CAPITAL CONSTRUCTION BUDGET
REGIONAL POOL ITEMS**

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
81101	REGIONAL SUPPLY-UPGRADE SUBSTATION CAPACITOR BANK PROTECTION SCHEMES		208		208
81102	REGIONAL SUPPLY IMPROVEMENTS		309		309
81103	RELOCATION DUE TO R/W REQUIREMENTS-TRANSMISSION		412		412
81104	POLE REPLACEMENTS-69KV AND ABOVE		824		824
81106	NUG CONNECTED TO THE REGIONAL SUPPLY SYSTEM-ENGINEERING FOLLOWUP AND TECHNICAL REVIEW		25		25
81109	REGIONAL 69KV AND 138KV LINES- IMPROVE GROUND CLEARANCE TO MAINTAIN LINE RATINGS		240		240
81111	REGIONAL SUPPLY SUBSTATIONS- DC STATION SERVICE IMPROVEMENTS		52		52
81113	SYSTEM - VARIOUS LOCATIONS MODIFY AND REPLACE AB SWITCHES TO OBTAIN PARALLEL BREAK CAPABILITIES		114		114
81115	PURCHASE POWER CIRCUIT BREAKERS- REGIONAL AND BULK POWER		2333		2333
81119	REPLACE DETERIORATED UPSWEPT ARMS-69KV AND ABOVE		464		464
81120	LOWER STRUCTURE GROUND RESISTANCE		309		309
	TOTAL REGIONAL POOL ITEMS		5290		5290

**1996 CAPITAL CONSTRUCTION BUDGET
AREA POOL ITEMS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
80001	RELOCATION DUE TO R/W REQUIREMENTS-DISTR		4120		4120
80002	ELIMINATE VULNERABLE FACILITIES LOCATED ALONG HIGHWAYS (INCLUDING MOD POLES)		155		155
80004	AREA SUPPLY IMPROVEMENTS		824		824
80006	PURCHASE OF 69-12KV TRANS		412		412
80007	PURCHASE OF 138-12KV TRANS		1123		1123
80009	CAPITAL REPAIRS TO FAILED 69-12KV POWER TRANSFORMERS		361		361
80013	PURCHASE POWER CIRCUIT BREAKERS- AREA SUPPLY		519		519
80015	CONNECTION OF NON-UTILITY GENERATION-AREA SUPPLY		25		25
80016	AREA SUPPLY SUBSTATIONS-DC STATION SERVICE IMPROVEMENTS		82		82
80017	REPLACEMENT OF DETERIORATED UNDERGROUND DISTRIBUTION CABLE		2472		2472
80018	LOW TENSION NETWORK PRIMARY CABLE REPLACEMENT		67		67
80019	REPLACEMENT OF DETERIORATED COPPERWELD CONDUCTOR		630		630
	TOTAL AREA POOL ITEMS		10790		10790

**1996 CAPITAL CONSTRUCTION BUDGET
AREA SUPPLY BLANKET ITEMS**

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
81001	POLE REPLACEMENTS-23KV & UNDER		4017		4017
81002	CAPACITORS-23KV & UNDER		773		773
81003	OIL CIRCUIT RECLOSERS		1442		1442
81004	DISTRIBUTION DEPARTMENT MINOR-LINES		5047		5047
81005	DISTRIBUTION DEPARTMENT MINOR-SUBSTATION		268		268
81006	DISTRIBUTION DEPARTMENT- STORMS AND EMERGENCIES		2781		2781
81008	DISTRIBUTION DEPARTMENT - INSTALL MOV'S AND ELBOW ARRESTORS AT SPECIFIC UG CABLE LOCATIONS		834		834
81009	DISTRIBUTION DEPARTMENT-REPLACE FAILED AND/OR DETERIORATED, NON-REPAIRABLE EQUIPMENT (INCL. LTN)		1050		1050
81011	DISTRIBUTION DEPARTMENT-FOREIGN UTILITY WORK		948		948
	TOTAL AREA BLANKET ITEMS		17160		17160

**1996 CAPITAL CONSTRUCTION BUDGET
REGIONAL AND AREA SUPPLY SUMMARY**

9/27/94

	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			
	PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	PROJECT TOTAL
REGIONAL SUPPLY				
SPECIFIC ITEMS	33298	30234	98242	161774
POOL ITEMS		5290		5290
UNIDENTIFIED		516		516
TOTAL REGIONAL SUPPLY	33298	36040	98242	167580
AREA SUPPLY				
SPECIFIC ITEMS	7494	18234	20668	46396
POOL ITEMS		10790		10790
BLANKET ITEMS		17160		17160
UNIDENTIFIED		515		515
TOTAL AREA SUPPLY	7494	46699	20668	74861
TOTAL REGIONAL & AREA SUPPLY	40792	82739	118910	242441

**1996 CAPITAL CONSTRUCTION BUDGET
REVENUE WORK**

9/27/94

CONSTRUCTION COSTS
\$ THOUSANDS - ESCALATED

BI NO	PROJECT TITLE	PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	PROJECT TOTAL
82001	138KV AND 69KV REVENUE EXTENSIONS		1200		1200
82002	12KV REVENUE EXTENSIONS ON SPECIFIC ERS		11300		11300
82003	REVENUE EXTENSIONS ON WORK ORDERS		46000		46000
83001	STREET LIGHTING-EXTENSION OR MODERNIZATION OF EXISTING SYSTEMS		3000		3000
83003	DISTR TRANSFORMERS		14000		14000
83004	METERS		4500		4500
	TOTAL REVENUE WORK		80000		80000

**1996 CAPITAL CONSTRUCTION BUDGET
SITES AND LINE RIGHT-OF-WAY**

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
84001	GENERATION		103		103
84002	BULK POWER TRANSMISSION		309		309
84003	REGIONAL SUPPLY		206		206
84005	GENERAL PROPERTY		103		103
TOTAL SITES & LINE RIGHT-OF-WAY			721		721

1996 CAPITAL CONSTRUCTION BUDGET
GENERAL BUILDINGS
LIST OF PROJECTS

9/26/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
85014	SCHUYLKILL OFFICE FACILITY EXPANSION	50	2450		2500
85016	HARRISBURG SERVICE CENTER REPLACE HVAC SYSTEM	250	450		700
85018	GENERAL OFFICE - NORTH BUILDING ESCALATOR REPLACEMENT	50	805		855
85019	GENERAL OFFICE - TOWER BUILDING REPLACE AIR HANDLING UNIT	200	200	150	550
85020	GENERAL OFFICE - TOWER BUILDING REPLACE ELEVATOR DRIVES	25	150	275	450
85021	GENERAL OFFICE - NORTH BUILDING REPLACE CHILLER		100	585	685
85022	GENERAL OFFICE - TOWER BUILDING REPLACE WINDOWS		300	901	1201
85024	GENERAL OFFICE - NORTH BUILDING REPLACE COOLING TOWERS		100	201	301
85090	HAZLETON OPERATING AREA SERVICE CENTER	2310	2390	700	5400
85094	BETHLEHEM OPERATING AREA SERVICE CENTER		100	5640	5740
87001	OFFICE AND SERVICE BUILDINGS ADDITIONS AND REPLACEMENTS		125		125
*	BUILDING PROJECTS-ADJUSTMENT		-1100		-1100
	TOTAL GENERAL BUILDINGS	2885	6070	8452	17407

* Adjustment for unanticipated future carryovers and/or project deferrals

**1996 CAPITAL CONSTRUCTION BUDGET
OTHER CATEGORY**

9/27/94

BI NO	PROJECT TITLE	CONSTRUCTION COSTS \$ THOUSANDS - ESCALATED			PROJECT TOTAL
		PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	
86001	COMMUNICATION SYSTEM		88		88
86003	POWER MANAGEMENT SYSTEM		838		838
86005	CAPITALIZATION OF COMPUTER SOFTWARE	45000	55500	30500	131000
86006	LEASEHOLD IMPROVEMENTS		197		197
86007	REPLACEMENT OF SUPERVISORY REMOTES - SYSTEM WIDE		1024		1024
86010	PJM-ENERGY MANAGEMENT COMPUTER SYSTEM - PL SHARE	1848	1135	3815	6798
87002	OFFICE FURNITURE & EQUIPMENT		474		474
87003	TOOLS AND EQUIPMENT		567		567
87004	FIRE EXTINGUISHERS		28		28
89001	RETIREMENTS UNDISTRIBUTED COSTS AND ADJUSTMENTS		205		205
89002	PROJECTS REQUIRING SMALL AMOUNTS TO COMPLETE		2060		2060
89003	RESEARCH AND DEVELOPMENT		103		103
	TOTAL OTHER	46848	62219	34315	143382

**1996 CAPITAL CONSTRUCTION BUDGET
NUCLEAR FUEL PURCHASES**

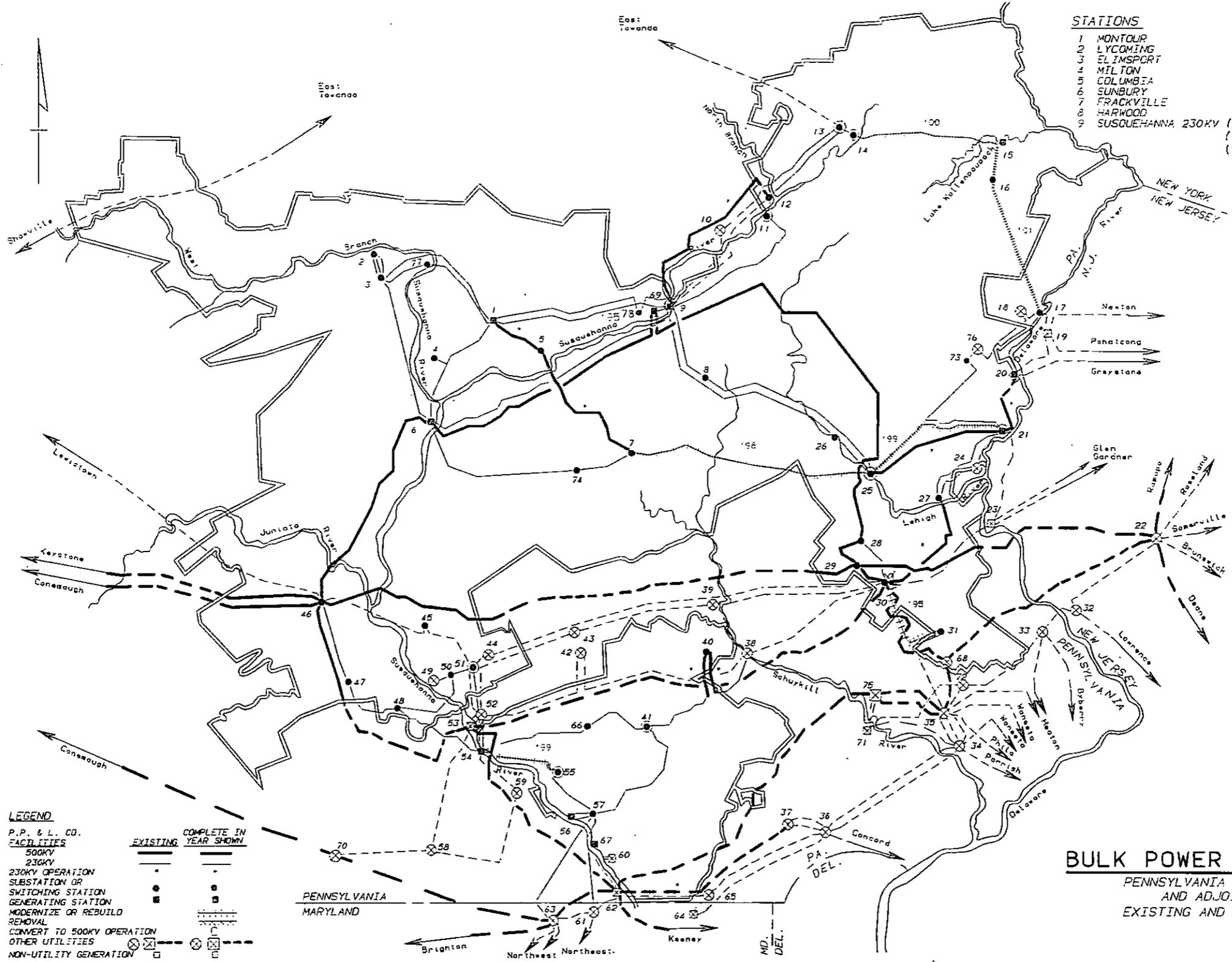
9/28/94

CONSTRUCTION COSTS
\$ THOUSANDS - ESCALATED

BI NO	PROJECT TITLE	PRIOR TO BUDGT YR	DURING BUDGT YR	AFTER BUDGT YR	PROJECT TOTAL
220	NUCLEAR FUEL PURCHASES	52100	77200	197400	326700
	GRAND TOTAL	213582	477554	822550	1513686

APPENDIX C

MAPS



- STATIONS**
- | | | | |
|---|------------------------|----|---------------------------|
| 1 | MONTOUR | 10 | MOUNTAIN |
| 2 | LYCOMING | 11 | JENKINS (90) |
| 3 | ELIMSPORT | 12 | STANTON |
| 4 | MILTON | 13 | LACKAWANNA (97)(99) |
| 5 | COLUMBIA | 14 | PECKVILLE (99) |
| 6 | SUNBURY | 15 | WALLENPAUPACK |
| 7 | FRACKVILLE | 16 | BLOOMING GROVE |
| 8 | HARWOOD | 17 | BUSHKILL |
| 9 | SUSQUEHANNA 230KV (95) | 18 | SHAWNEE |
| | | 19 | KITTATINNY |
| | | 20 | PORTLAND (96) |
| | | 21 | MARTINS CREEK (96) |
| | | 22 | BRANCHBURG (97) |
| | | 23 | GILBERT |
| | | 24 | NORTHWOOD |
| | | 25 | SIEGFRIED (98) |
| | | 26 | EAST PALMERTON |
| | | 27 | QUARRY |
| | | 28 | WESCOSVILLE |
| | | 29 | ALBURTIS |
| | | 30 | HOSENSACK |
| | | 31 | BUXMONT |
| | | 32 | PLEASANT VALLEY |
| | | 33 | BUCKINGHAM |
| | | 34 | PLYMOUTH MEETING |
| | | 35 | WHITPAIN |
| | | 36 | BRADFORD |
| | | 37 | NEWLINVILLE |
| | | 38 | SOUTH READING |
| | | 39 | NORTH TEMPLE |
| | | 40 | BERKS |
| | | 41 | SOUTH AKRON (96) |
| | | 42 | SOUTH LEBANON |
| | | 43 | NORTH LEBANON |
| | | 44 | NORTH HERSHEY |
| | | 45 | DAUPHIN |
| | | 46 | JUNIATA |
| | | 47 | CUMBERLAND |
| | | 48 | WEST SHORE |
| | | 49 | STEELTON (BETH STEEL CO.) |
| | | 50 | STEELTON |
| | | 51 | HUMMELSTOWN (96) |
| | | 52 | MIDDLETOWN JCT. |
| | | 53 | THREE MILE ISLAND |
| | | 54 | BRUNNER ISLAND |
| | | 55 | WEST HEMPFIELD (96) |
| | | 56 | SAFE HARBOR |
| | | 57 | MANOR |
| | | 58 | JACKSON |
| | | 59 | YORKANA |
| | | 60 | MUDDY RUN |
| | | 61 | GRACETON |
| | | 62 | PEACH BOTTOM |
| | | 63 | CONASTONE |
| | | 64 | CONOWINGO |
| | | 65 | NOTTINGHAM |
| | | 66 | SOUTH MANHEIM |
| | | 67 | HOLWOOD |
| | | 68 | ELROY |
| | | 69 | SUSQUEHANNA 500KV |
| | | 70 | HUNTERSTOWN |
| | | 71 | CROMBY |
| | | 72 | N. WALES |
| | | 73 | MONROE |
| | | 74 | ELDRED |
| | | 75 | LIMERICK |
| | | 76 | FOXHILL |
| | | 77 | CLINTON |
| | | 78 | SUSQUEHANNA T-10 TAP (95) |

LEGEND

P.P. & L. CO. FACILITIES

500KV

230KV OPERATION

230KV SUBSTATION OR SWITCHING STATION

GENERATING STATION

MODERNIZE OR REBUILD

REMOVAL

CONVERT TO 500KV OPERATION

OTHER UTILITIES

NON-UTILITY GENERATION

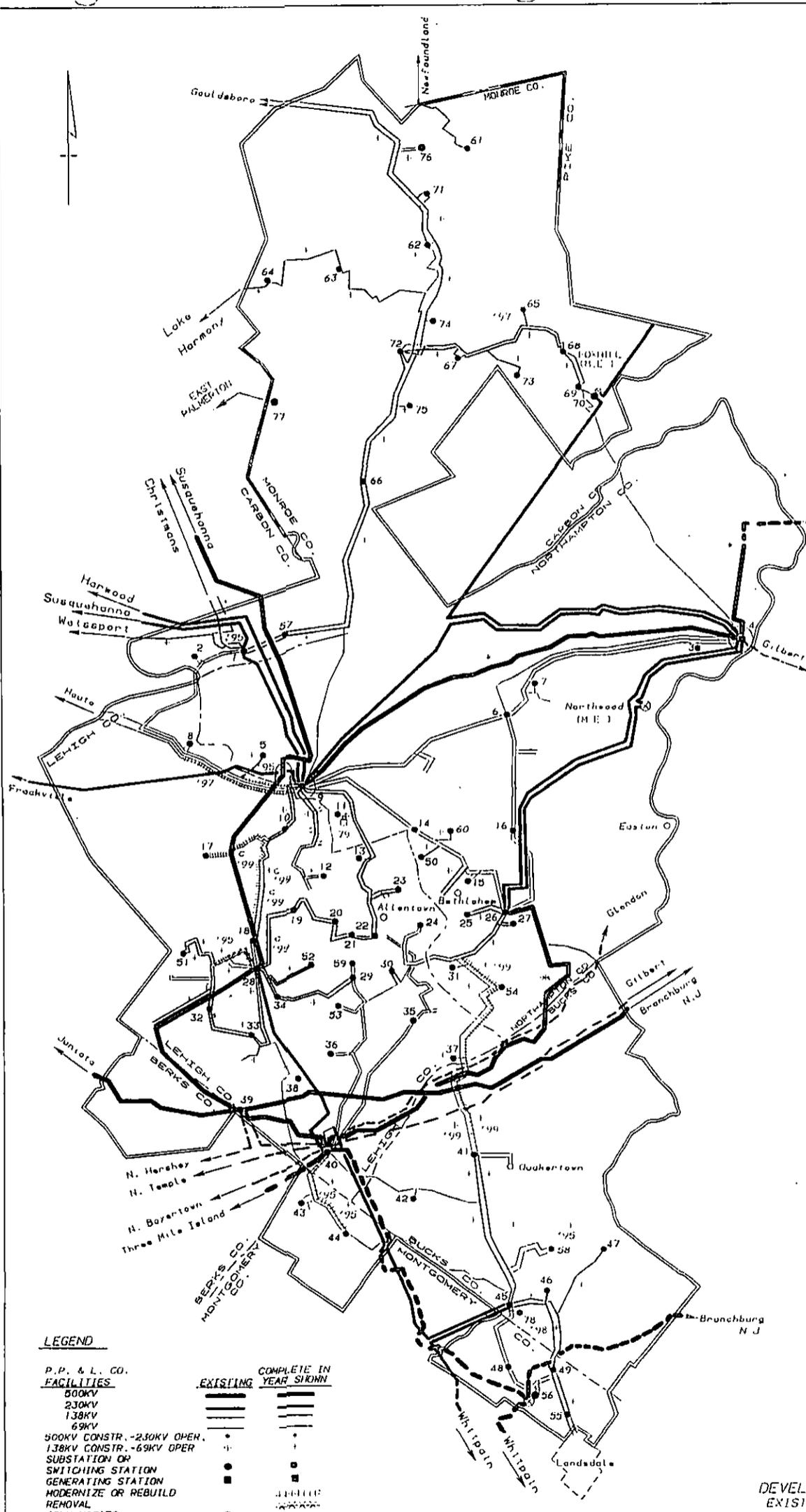
EXISTING

COMPLETE IN YEAR SHOWN

BULK POWER SUPPLY SYSTEM

PENNSYLVANIA POWER & LIGHT CO. AND ADJOINING SYSTEMS

EXISTING AND PLANNED THRU 2004

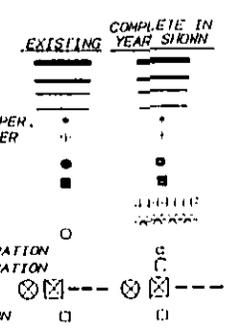


STATIONS

- 1 E. PALMERTON
- 2 PALMERTON
- 3 MT. BETHEL
- 4 MARTINS CREEK
- 5 HREICHLERS
- 6 NAZARETH
- 7 CHERRY HILL
- 8 S. SLATINGTON
- 9 SIEGFRIED
- 10 EGYPT
- 11 NORTHAMPTON
- 12 NICKLEYS
- 13 CATASAUQUA
- 14 N. BETHLEHEM
- 15 MACADA
- 16 FARMERSVILLE
- 17 SCHNECKSVILLE
- 18 CRACKERSPORT
- 19 S. WHITEHALL
- 20 SUMNER
- 21 CENTRAL ALLENTOWN
- 22 ALLENTOWN
- 23 E. ALLENTOWN
- 24 ELLIOTT HEIGHTS
- 25 MINSI TRAIL
- 26 QUARRY
- 27 FREEMANSBURG
- 28 WESCOSVILLE
- 29 SALISBURY
- 30 S. ALLENTOWN
- 31 SEIDERSVILLE
- 32 TREXLER TOWN
- 33 E. TEXAS
- 34 W. ALLENTOWN
- 35 LANARK
- 36 EMMAUS
- 37 COOPERSBURG
- 38 MACUNGIE
- 39 ALBURTTIS
- 40 HOSENSACK
- 41 RICHLAND
- 42 MILFORD
- 43 E. GREENVILLE
- 44 U. HANOVER
- 45 BUXMONT
- 46 SELLERSVILLE
- 47 BLOOMING GLEN
- 48 FRANCONIA
- 49 HAIFIELD
- 50 WESTGATE
- 51 FOGELSVILLE
- 52 DORNEYVILLE
- 53 ALTON PARK
- 54 BINGEN
- 55 ORVILLA
- 56 ELROY
- 57 LITTLE GAP
- 58 RIDGE ROAD (1951)
- 59 MACK
- 60 POINTE NORTH
- 61 CANADENSTIS
- 62 MT. POCONO
- 63 LAKE NAOMI
- 64 WAGNERS
- 65 HENRYVILLE (1971)
- 66 GILBERT
- 67 TANNERSVILLE
- 68 N. STROUDSBURG
- 69 STROUDSBURG
- 70 NONROE
- 71 POCONO FARMS
- 72 JACKSON
- 73 BARTONSVILLE
- 74 CAMELBACK
- 75 MC MICHAELS
- 76 NORTH COOLBAUGH
- 77 MECKESVILLE
- 78 TELFORD (1981)
- 79 NORTHAMPTON HUG (1951)

LEGEND

- P.P. & L. CO. FACILITIES**
- 500KV
 - 230KV
 - 138KV
 - 69KV
- 500KV CONSTR. - 230KV OPER.
- 138KV CONSTR. - 69KV OPER
- SUBSTATION OR SWITCHING STATION
- GENERATING STATION
- MODERNIZE OR REBUILD
- REMOVAL
- COMMUNITIES
- CONVERT TO 138KV OPERATION
- CONVERT TO 500KV OPERATION
- OTHER UTILITIES
- NON-UTILITY GENERATION

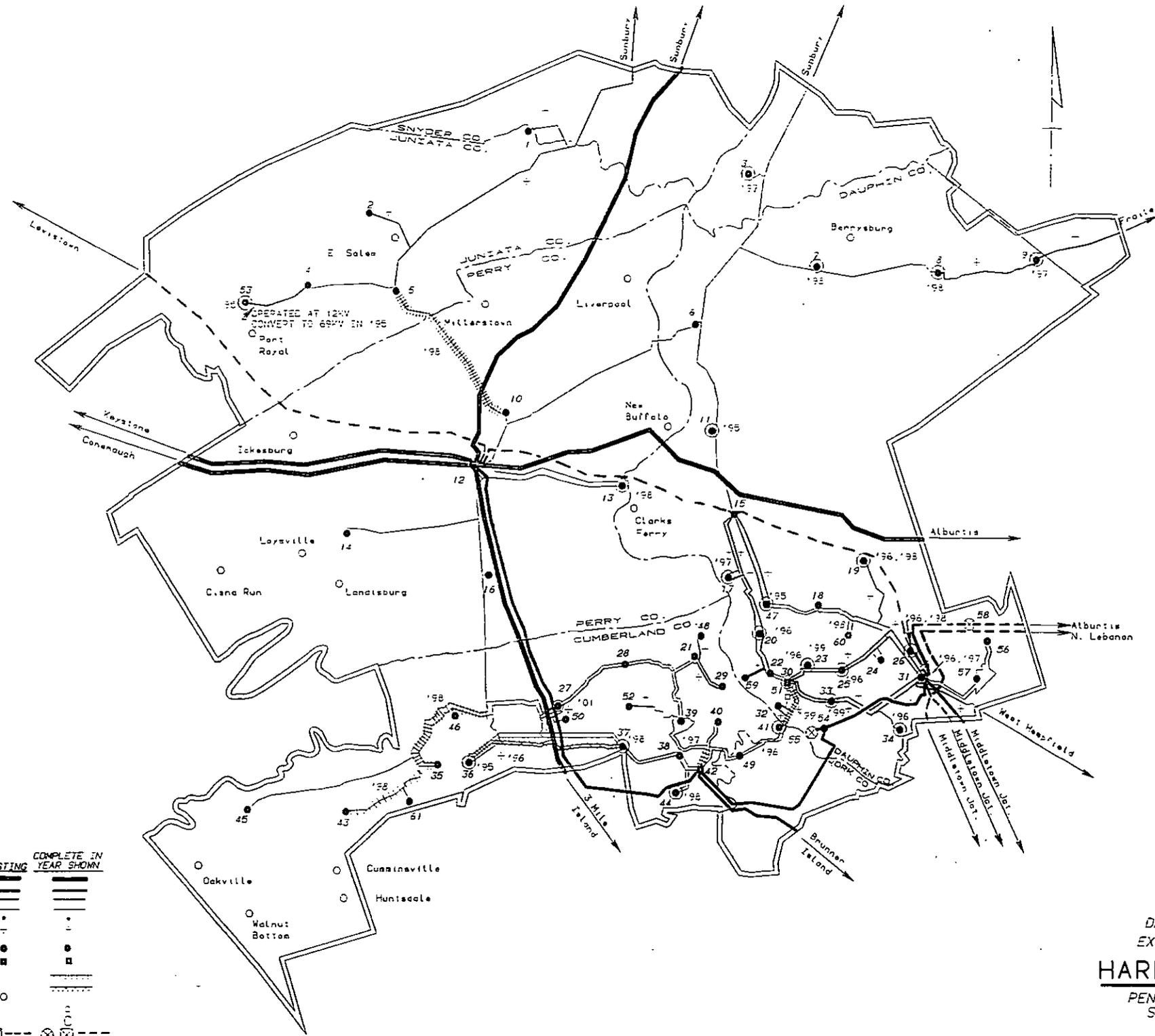


DEVELOPMENT OF POWER SUPPLY
EXISTING AND PLANNED THRU 1999

LEHIGH DIVISION

PENNSYLVANIA POWER & LIGHT CO.
SYSTEM PLANNING DEPARTMENT

LD-3005



STATIONS

- 1 PITCHFIELD
- 2 MCALLISTERVILLE
- 3 DALMATIA (97)
- 4 WALKER
- 5 THOMPSONTOWN
- 6 MILLERSBURG
- 7 ELIZABETHVILLE (95)
- 8 LYKENS (98)
- 9 WILLIAMSTOWN (97)
- 10 NEWPORT
- 11 HALIFAX (95)
- 12 JUNIATA
- 13 BENVENUE (95)
- 14 GREENPARK
- 15 DAUPHIN
- 16 SHERMANSDALE
- 17 ROCKVILLE (97)
- 18 COLONIAL PARK
- 19 LINGLESTOWN (96, 98)
- 20 N. HARRISBURG (96)
- 21 ENOLA
- 22 WALNUT
- 23 LAWNTON (99)
- 24 FAXTON
- 25 RUTHERFORD (96)
- 26 DUKE (96, 98)
- 27 CUMBERLAND (97)
- 28 WERTZVILLE
- 29 PENNSBORO
- 30 HARRISBURG (96)
- 31 HUMMELSTOWN (96, 97)
- 32 CEDAR
- 33 OBERLIN (99)
- 34 SWATARA (96)
- 35 N. CARLISLE
- 36 CARLISLE (95)
- 37 MECHANICSBURG (95)
- 38 ROSSMOYNE
- 39 SPORTING HILL
- 40 WHITE HILL
- 41 ROSEMONT (96)
- 42 WEST SHORE
- 43 MOUNT ROCK
- 44 MT. ALLEN (98)
- 45 NEWVILLE
- 46 MIDDLETON (95)
- 47 WINDSOR
- 48 SUMMERDALE
- 49 SPANGLER
- 50 NEW KINGSTOWN
- 51 HARRISBURG MSW
- 52 HAMPDEN
- 53 MIFFLINTOWN (95)
- 54 STEELTON (P.P.&L.CO.)
- 55 STEELTON (BETH.STEEL CO.)
- 56 HERSHEY
- 57 S. HERSHEY
- 58 N. HERSHEY
- 59 CENTER CITY
- 60 DEVONSHIRE (98)
- 61 NOTTINGHAM

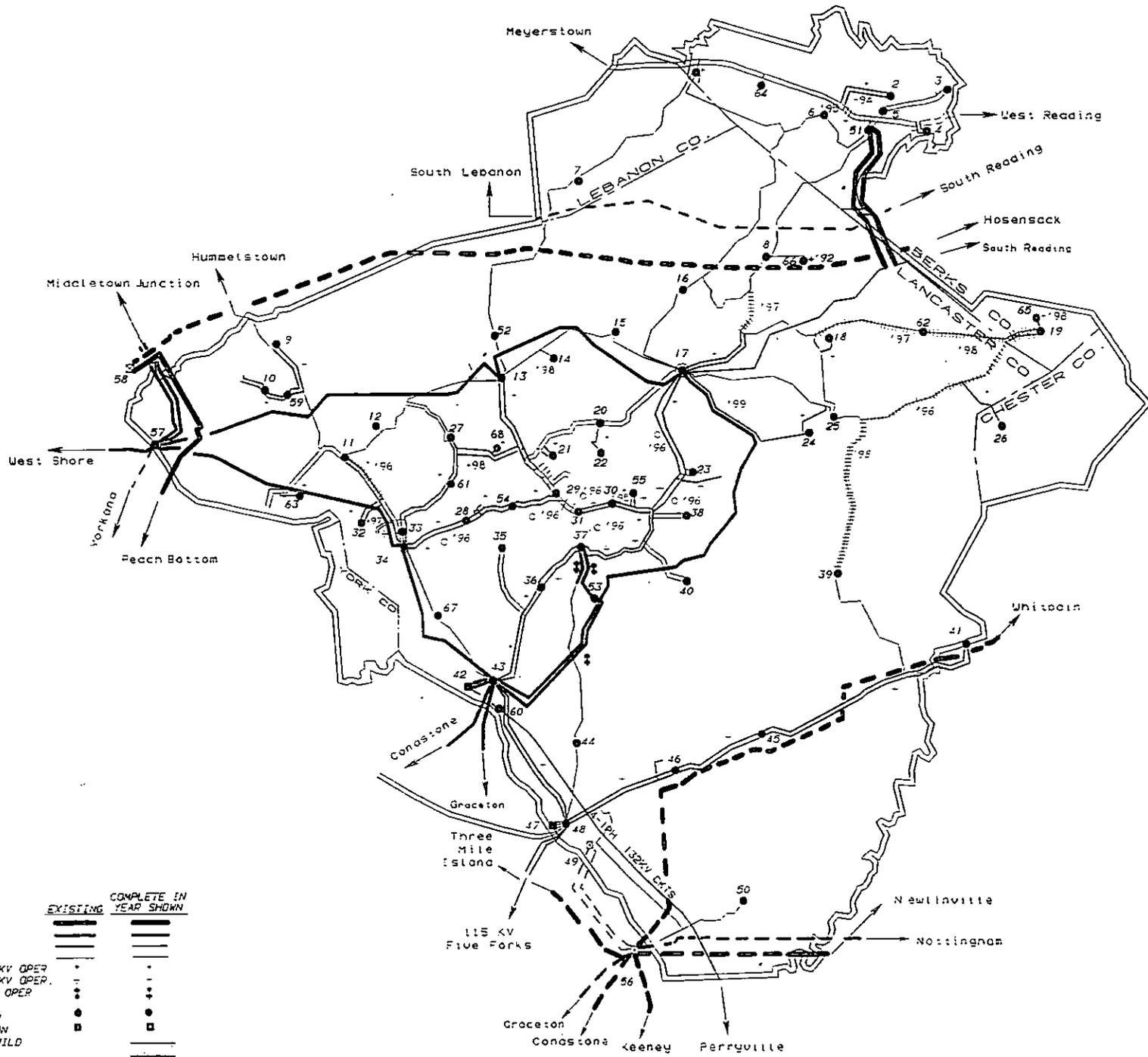
LEGEND

- P.P. & L. CO. FACILITIES**
- 500KV
 - 230KV
 - 138KV
 - 69KV
- 500KV CONSTR.-230KV OPER.
138KV CONSTR.-69KV OPER.
SUBSTATION OR SWITCHING STATION
GENERATING STATION
MODERNIZE OR REBUILD
REMOVAL
COMMUNITIES
CONVERT TO 138KV OPERATION
CONVERT TO 500KV OPERATION
OTHER UTILITIES
NON-UTILITY GENERATION
- | | |
|---|---|
| EXISTING | COMPLETE IN YEAR SHOWN |
| 500KV: [thick solid line] | 500KV: [dashed line] |
| 230KV: [medium solid line] | 230KV: [dashed line] |
| 138KV: [thin solid line] | 138KV: [dashed line] |
| 69KV: [dotted line] | 69KV: [dashed line] |
| Substation: [circle with dot] | Substation: [circle with dot] |
| Switching Station: [square with dot] | Switching Station: [square with dot] |
| Generating Station: [square with dot] | Generating Station: [square with dot] |
| Modernize/Rebuild: [square with diagonal lines] | Modernize/Rebuild: [square with diagonal lines] |
| Removal: [square with diagonal lines] | Removal: [square with diagonal lines] |
| Communities: [circle] | Communities: [circle] |
| Convert to 138KV: [circle with dot] | Convert to 138KV: [circle with dot] |
| Convert to 500KV: [circle with dot] | Convert to 500KV: [circle with dot] |
| Other Utilities: [circle with cross] | Other Utilities: [circle with cross] |
| Non-Utility Generation: [square] | Non-Utility Generation: [square] |

DEVELOPMENT OF POWER SUPPLY
EXISTING AND PLANNED THRU 1999

HARRISBURG DIVISION

PENNSYLVANIA POWER & LIGHT CO.
SYSTEM PLANNING DEPARTMENT



STATIONS

1	LAVINO
2	STATE HILL
3	WYOMISSING
4	SHILLINGTON
5	SPRING
6	WERNERSVILLE
7	HEIDELBERG
8	COCALICO
9	EAST ELIZABETHTOWN
10	ELIZABETHTOWN
11	DONEGAL
12	MT. JOY
13	SOUTH MANHEIM
14	LITITZ
15	WARWICK
16	LINCOLN
17	SOUTH AKRON (96) (97)
18	TERRE HILL
19	MORGANTOWN
20	NEFFSVILLE
21	EAST PETERSBURG
22	ROSEVILLE
23	LEOLA
24	WEST NEW HOLLAND
25	EARL
26	HONEYBROOK
27	LANDISVILLE
28	DONERVILLE
29	DILLERVILLE
30	EAST LANCASTER
31	PRINCE
32	NORTH COLUMBIA
33	HEMPFIELD
34	WEST HEMPFIELD (96)
35	WEST LANCASTER
36	MILLERSVILLE
37	ENGLESIDE
38	GREENLAND
39	KINZER
40	STRASBURG
41	ATGLEN
42	SAFE HARBOR
43	MANOR
44	MT. NEBO
45	QUARRYVILLE
46	BUCK
47	HOLTWOOD
48	FACE ROCK
49	MUDDY RUN
50	WAKEFIELD
51	BERKS
52	NORTH MANHEIM
53	WEST WILLOW
54	ROHRERSTOWN
55	NORTH BRIDGEPORT
56	PEACH BOTTOM
57	BRUNNER ISLAND
58	THREE MILE ISLAND
59	RHEIMS
60	CONESTOGA
61	SILVER SPRING
62	BRECKNOCK
63	MARIETTA
64	ROBESONIA
65	NEW MORGAN (93)
66	REAMSTOWN
67	LETORT
68	MCGOVERNVILLE (96)

LEGEND

P. P. & L. CO. FACILITIES	EXISTING	COMPLETE IN YEAR SHOWN
500KV	—	—
230KV	—	—
138KV	—	—
69KV	—	—
500KV CONSTR -230KV OPER	—	—
138KV CONSTR -69KV OPER	—	—
230KV CONSTR -69KV OPER	—	—
SUBSTATION OR SWITCHING STATION	●	●
GENERATING STATION	■	■
MODERNIZE OR REBUILD	—	—
REMOVAL	○	○
COMMUNITIES	○	○
CONVERT TO 138KV OPERATION	○	○
CONVERT TO 500KV OPERATION	○	○
OTHER UTILITIES	⊗	⊗
NON-UTILITY GENERATION	□	□

DEVELOPMENT OF POWER SUPPLY
EXISTING AND PLANNED THRU 1999
LANCASTER DIVISION
PENNSYLVANIA POWER & LIGHT CO.
SYSTEM PLANNING DEPARTMENT

LD-3007