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SECRETARY'S OFFICE
Public Utility Commission

PENNSYLVANIA PUBLIC UTILITY COMMISSION

V.

PHILADELPHIA ELECTRIC COMPANY
DOCKET NO. R-850152

DOCKETED

DEC 20 1985

DIRECT TESTIMONY OF

GUY A. SILEO

TAX LEVELS
AND TAX ADJUSTMENTS

DOCUMENT
FOLDER

September 1985

DIRECT TESTIMONY OF GUY A. SILEO

Q. Please state your name and business address.

A. My name is Guy A. Sileo and my business address is 2301 Market Street, Philadelphia, Pennsylvania 19101.

Q. By whom are you employed and in what capacity?

A. I am Manager of the Taxes Division of Philadelphia Electric Company.

Q. What is your educational background?

A. I graduated from Widener University with a Bachelor of Science Degree in Business Administration. In 1972, I received a Masters of Business Administration Degree from Drexel University.

Q. Are you a member of any professional organizations?

A. I am a member of the following organizations: Edison Electric Institute, serving on its Committee on Taxation and Subcommittee on Tax Legislation; the Tax Executives Institute serving on the Institute Board of Directors; and the Pennsylvania Chamber of Commerce, serving on its Tax Committee.

Q. Please describe your experience with Philadelphia Electric Company.

A. I joined Philadelphia Electric Company in 1950, progressing through various positions in the Customer Accounts Division and computer system analyses and programming in the Company's Computer Division until 1965, when I joined the Taxes Division. My initial position in the Taxes Division

Taxes Division. My initial position in the Taxes Division was as a Junior Tax Accountant, later being promoted to Senior Tax Accountant and Assistant Manager of the Taxes Division. In 1980, I assumed my present position as Manager of the Taxes Division.

Q. What are your responsibilities as Manager of the Taxes Division?

A. Taxes Division has overall tax responsibility for the Company and its subsidiaries at the federal, state and local levels. This responsibility includes tax planning and research, collection and preparation of tax accounting data, preparation and filing of tax returns, and settlement of returns and tax claims. Essentially, my responsibility encompasses research and planning, accounting, compliance, return preparation and then filing.

Q. Please describe in greater detail your activities as Manager of Taxes Division.

A. I have overall responsibility for the preparation of the tax portion of the Company's budget and forecast, for all tax accruals and for the Company's various tax returns, including their presentation to senior management for signature. Under my direction, the necessary accounting data is collected from the Company's accounting divisions for the preparation of tax returns and the accompanying schedules. I participate in all audits, requests for

Technical Advice, appeals, and litigation concerning any of the Company's tax returns, including the preparation and presentation of documentation in support of the Company's tax computations and application of tax policy. My responsibilities also include the analysis of the tax aspects of various proposed Company actions, the interpretation and review of proposed and enacted tax legislation to determine its impact on Company operations and the continuing review of the Company's tax policy.

Q. Have you testified as to tax matters in any previous proceedings?

A. Yes. I have presented testimony before the Pennsylvania Public Utility Commission as to tax matters in the Company's last three electric rate cases at dockets R-811626, R-822291, and R-842590 as well as in the Limerick Generating Station investigation at I-80100341.

Q. What exhibits and schedules in this proceeding are you responsible for?

A. I am responsible for the substantive tax aspects of Exhibits TPH-1 and TPH-2, Schedules D-1, D-7, D-8, D-9, D-14, and D-20, for the development of book tax expense shown on B-14 and B-15, and the computation of the effective income tax rate on page B-18, for the development of the Accumulated Deferred Taxes on page B-16 and for the development of taxes associated with proposed rates on page A-4.

Q. Mr. Sileo, would you review the tax computations on pages B-14, B-15, B-16 and B-18 of TPH-1 and TPH-2?

A. Page B-14 of TPH-1 shows the total actual taxes charged to electric operations based on historic information, while the same exhibit in TPH-2 shows total budgeted taxes in the future test period. The purpose of the computation on page B-15 of each exhibit is to show the adjustments to book operating income that are necessary to develop the federal income taxes shown on page B-14. The accumulated deferred income taxes, shown on page B-16 of each exhibit, are based on the tax deferral for electric plant in service at the end of each test period and an allocated portion of such taxes related to common plant. The amount developed on page B-16 for electric operations is deducted from rate base on page A-2. The calculation on page B-18 develops the total federal and state effective income tax rate to be applied to incremental changes in taxable income under pro forma proposed rate conditions. The computation reflects the statutory federal rate of 46% and the pre-1971 statutory Pennsylvania rate of 7.5%. Changes in the Pennsylvania rate since 1970 are reflected in the State Tax Adjustment Clause (STAC) rather than in base rates.

Q. Mr. Sileo, would you briefly explain the tax depreciation and normalization adjustments shown on D-7 and D-8 of TPH-1 and TPH-2.

A. Yes, the purpose of D-7 is to reflect a full year of tax depreciation calculated on a year-end plant base under pro forma conditions. This is accomplished by adjusting the tax depreciation used in the budget to a ratemaking level.

The purpose of D-8 is to reflect a full year of normalized taxes calculated on year end plant under pro forma conditions by adjusting the budgeted tax deferrals to a ratemaking level. In accordance with prior PA PUC findings, the normalized deferred federal tax is calculated at 46% of the excess tax depreciation over straight-line depreciation using a year end tax base.

Q. Mr. Sileo, would you briefly address the adjustments on pages D-1, D-9, and D-14 of TPH-1 and TPH-2?

A. The adjustment on page D-1 of TPH-1 and TPH-2 removes the Pennsylvania Realty Tax (PURTA), and portions of the gross receipts, capital stock, and corporate net income taxes from the tax claim in this rate case. A like amount of revenue is also removed since the applicable taxes are collected through the STAC mechanism and not base rates.

Page D-9 of TPH-1 and TPH-2 contains the adjustment necessary to reflect the income tax effects on interest charges associated with test year end rate base, in accordance with past Pennsylvania PUC practice.

The adjustment to the Federal Old Age Benefit (FICA) tax expense found on page D-14 of TPH-2 is necessary to

annualize the effects of the FICA wage base and rate increases on January 1, 1986. In a similar fashion, the adjustment on page D-14 of TPH-1 annualizes the effects of the FICA base and rate increases on January 1, 1985.

Q. Mr. Sileo, has the Company annualized the amortization of the Investment Tax Credit to reflect a test year-end level as was ordered in your last rate case?

A. Yes we have. Under pro forma proposed rates the entire amount of ITC carryover associated with plant in service at 6/30/86 can be utilized. Accordingly, Page D-20 of TPH-2 reflects a full year of such ITC amortization. In addition, the adjustment on Page D-20 reflects a full year of amortization associated with ITC on Limerick progress payments previously utilized by the Company but not amortizable until the plant is in service.

In a similar fashion, page D-20 of TPH-1 reflects a full year of amortization on the ITC carryover associated with plant in service at 6/30/85 and the amortization associated with Limerick.

Q. Mr. Sileo, are you familiar with the Pennsylvania Supreme Court's recent decision regarding the normalization of income taxes associated with liberalized depreciation?

A. Yes, I am.

Q. Does the Court's decision affect the Company's claimed tax expense in this rate proceeding?

A. No, it does not. First, we have made no claim for normalized state deferred income taxes associated with liberalized depreciation in this case. Second, Pennsylvania Power Company did not make an election in 1970 to normalize federal deferred income taxes and therefore is not required to normalize these tax benefits in order to claim them as deductions on its federal income tax return. PECO did make the election in 1970. This election is irrevocable, and PECO is therefore requried to normalize federal deferred income taxes. Consequently, the Supreme Court's decision does not apply to PECO.

Q. Mr. Sileo, has the Company included in this rate filing the amortization and rate base deduction for the Salem 2 tax benefit transfer that has been ordered in the Company's last rate case at R-842590?

A. No, we have not.

Q. Can you explain why?

A. Yes, in December, 1981, PECO entered into an agreement in which it sold certain tax benefits associated with Salem 2 to Hercules Corporation for $129.7 milion. $53.7 million of this amount was paid up front, and the remainder over a 15-year period. This up front payment consisted of Investment Tax Credit, Deferred Income Tax, and a "make whole" payment of $6.9 million. In the Company's last rate proceeding, the Commission adopted an OCA proposed

adjustment which characterized the $6.9 million listed above as PECO's "profit" on the sale and required the Company to give the $6.9 million to ratepayers over the remaining life of the plant. As set forth below, I believe this adjustment is inappropriate and should be reconsidered.

First, and most importantly, the $6.9 million is not "profit". Under the Internal Revenue Code, the Company would generally have received the Salem 2 tax benefits over 10 years, and these benefits would be flowed through to ratepayers over the life of the plant. The $6.9 million payment reflects the time value of money difference associated with the receipt of these tax benefits over 15 years under the terms of the sale, and simply placed the Company in the same cash flow position it occupied before the sale. The $6.9 million payment is not profit; it is compensation to PECO for the lost time value of money.

Second, since the Salem 2 tax benefits are flowed through to ratepayers over the life of the plant, whether the Company receives the tax benefits over 10 or 15 years should be irrelevant in establishing rates. The Company's proposal recognizes this by treating ratepayers in the same manner both before and after the sale, i.e., Salem 2 tax benefits are received over the life of the plant. The effect of the Commission's position on this issue, on the other hand, is to take from the Company and give to

ratepayers, the time value difference in receiving the Salem 2 tax benefits over 15 years under the terms of the sale as compared to 10 years under the Internal Revenue Code. This adjustment thereby leaves the Company in a worse position than before the sale and places the ratepayer in a better position. Thus, the $6.9 million time value of money payment shold not be given to ratepayers as ordered by the Commission in the Company's last rate proceeding.

Finally, this result is particularly inapproporiate in view of substantial benefits ratepayers received from the sale. The $53.7 million initial proceeds of the sale in 1981 substantially exceeded the $8 million tax benefits the Company would have received in 1981 from Salem 2 without the sale. The difference of $45.7 million represents cost free capital. Had the Company raised such capital in the market, it would have cost the ratepayer approximately 18% annually, the prevailing rate in December 1981, or $8.2 million a year.

For these reasons, the Company respectfully requests that the Commission reconsider its adjustment in this proceeding.

Q. Does this conclude your testimony at this time?

A. Yes, it does.

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Public Utility Commission

PENNSYLVANIA PUBLIC UTILITY COMMISSION
VS
PHILADELPHIA ELECTRIC COMPANY
DOCKET NO. R-850152

DIRECT TESTIMONY
OF
JOHN B. COTTON

EXPLANATION OF THE LIMERICK GENERATING STATION ORGANIZATION FOR OPERATION AND MAINTENANCE

DOCKETED
DEC 20 1985

DOCUMENT
FOLDER

SEPTEMBER 1985

DIRECT TESTIMONY OF JOHN B. COTTON

Q. Please state your name and business address.

A. John B. Cotton, 2301 Market Street, Philadelphia, Pennsylvania 19101. My working location is the Limerick Generating Station.

Q. By whom are you employed, Mr. Cotton, and in what capacity?

A. I am employed as Plant Staff Maintenance Engineer in Philadelphia Electric Company's Electric Production Department at the Limerick Generating Station.

Q. What is your educational background and nuclear training?

A. I graduated from the U.S. Naval Academy in 1967 with a degree of Bachelor of Mechanical Engineering. I completed the U.S. Navy Officers' Nuclear Power Training School and the U.S. Navy Nuclear Power Prototype Training in 1968 resulting in qualification as Engineering Officer of the Watch for the S1W reactor. In 1969, I completed the U.S. Navy Submarine School, and was assigned to a nuclear-powered submarine in the

Engineering Department for three years, during which time I participated in both routine operations and an overhaul and reactor refueling. As a qualified Engineering Officer of the Watch, I served as Reactor Controls Officer, Electrical Officer and Machinery Division/Radiation Control Officer at various times during this period. Each position involved the direct supervision of reactor operation and related maintenance and, during the reactor refueling, involved special reactor and power plant testing.

In 1972, I joined Philadelphia Electric Company and continued to gain nuclear experience and training. In June, 1984, I received an NRC Senior Reactor Operator License for Limerick Unit 1.

Q. Please describe your work experience with Philadelphia Electric Company.

A. I joined Philadelphia Electric Company in 1972 as a Quality Assurance Engineer in the Quality Assurance Section of the Engineering and Research Department. In 1978, I transferred to the Electric Production Department at Limerick Generating Station where I am currently employed.

A detailed description of my principal activities in each of these positions is set forth in Appendix A.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to describe the permanent operating and maintenance organization employed by the Company at the Limerick Station, and the function and activities of that organization during normal plant operations. I will also describe the additional staffing, activities and resources which will be required during a normal refueling outage at Limerick. These descriptions will further support the Company's claims, as developed by Mr. John J. Carroll, for a normalized level of non-outage O&M and outage expenses setforth on pages D-10a and D-18 of Exhibit TPH-2.

Q. Please describe the organization that PECO has established to operate and maintain Limerick.

A. A chart summarizing the operation and maintenance organization for the Limerick Generating Station is attached to my testimony as Schedule 1. As this Schedule indicates, the Plant Manager heads the organization and has responsibility for the

safe and economic operation of the Limerick facility. Reporting directly to the Plant Manager are two Superintendents with functional responsibility for the plant's Operations and Services, respectively. I should note that the NRC requires that either the Plant Manager or one of the Superintendents be qualified as a Senior Reactor Operator and, in fact, the Superintendent - Operations has received such a license. The Superintendents, in turn, share responsibility for the following six functional areas of station operations: Operations, Technical Engineering, Chemistry, Maintenance, Health Physics and Outage Planning. In addition, there are three functional areas which report directly to the Plant Manager. These include Administration, Regulatory Engineering and Emergency Preparedness. The heads of each functional area of the Limerick organization along with the Plant Manager and Superintendents comprise the Senior Plant Staff.

In total, there are approximately 900 personnel who are currently assigned to staff Limerick on a full-time basis during normal operations, and the equivalent of 60 full-time personnel who provide

routine operations and maintenance support from the Company's headquarters in Philadelphia. During a typical refueling outage, the additional manpower required at Limerick will exceed 300 people. The permanent Limerick staff and any other support personnel physically working at the plant site are directly supervised and managed by the Plant Manager and his organization. Personnel providing support away from the plant are administratively managed by their respective organizations but are coordinated by and provide support services at the direction of the Plant Manager and his staff.

Q. Mr. Cotton, would you please describe the organization and functions of the Operations Group.

A. The Operations Group is headed by a graduate Engineer who holds a Senior Reactor Operator License, as required by the NRC. Reporting to this individual are the the Shift Technical Advisors, a specially trained group of graduate Engineers, required by the NRC for each shift, and the entire Shift Operating staff which consists of 12 post positions staffed on a 24-hour per day basis. Six operators are required

for each post position in order to cover the 21 shifts per week, provide for requalification and support training, meet the requirements for vacation and leave time, and adhere to the NRC's overtime limitations. In addition, a staff of Engineers and Technical personnel, the Chief Electrician and Rad Waste Supervisor also report to the head of the Operations Group.

The specific functions of this group are to conduct the minute by minute operations of the plant. The shift operating staff is headed by a Shift Superintendent, who has overall responsibility for the plant during his shift. In addition to this individual, the normal operating shift for Limerick consists of 2 Shift Supervisors, 1 Control Room Operator, 1 Reactor Operator, 3 Plant Operators, 1 Assistant Plant Operator, 2 Auxiliary Operators, and 1 Helper. In addition, each shift complement has 2 maintenance craftsmen, 2 Instrument Technicians, 1 Health Physics Technician, 1 Chemistry Technician and 1 Clerk. This size staff is necessary to manage and operate the reactor, electrical, and auxiliary systems in a safe manner, to accomplish the necessary routine

testing which is a shift responsibility, and to provide an on-shift capability to respond to off-normal or emergency situations. Moreover, the above staffing levels meet the requirements established by the NRC and normal power plant operating practices.

Six shifts of each operating crew are used at Limerick to permit one operating crew to be in training at the Limerick Training Center. An ongoing training program for licensed operators is not only an NRC requirement, but is also a prudent method to assure that necessary skills are maintained at the proper level, that plant modifications are described to and understood by the operators, and to ensure that significant lessons learned throughout the industry are passed on to our personnel in a professional and educational manner.

I should note that NRC regulations require that one Shift Supervisor be present in the Control Room at all times. A second Shift Supervisor is therefore assigned to supervise and monitor operations for the Nuclear Steam Supply System (NSSS) and the balance of plant outside the Control Room. Typically, this second Supervisor,

and 7 operators under his direction, are responsible for inspecting all plant equipment, performing those functions necessary to comply with NRC operating regulations such as surveillance testing, and conducting other activities required for the operation of any generating station, such as lubrication, blocking, permit clearing, etc.

Q. Mr. Cotton, would you please describe the organization and functions of the Technical Engineering Group.

A. The Technical Engineering Group is headed by a graduate Engineer who, like the head of Operations, is required by the NRC to be qualified as a Senior Reactor Operator. The group consists of approximately 185 personnel and is made up of Engineers, Technical Assistants and Technicians. Their overall responsibility is to provide the general technical support required to manage and operate the station in a safe and efficient manner and meet the NRC requirements for testing and reporting. This group provides the technical analysis required by the station's Plant Operations Review Committee (PORC) and Nuclear Review Board (NRB) with respect to

modifications, abnormal conditions and transients. They also prepare responses to NRC communications, prepare test procedures, perform tests required for plant modifications and cooperate with the Institute of Nuclear Power Operation (INPO) in its review of industry problems.

The Technical Engineering Group is divided into five subgroups: Reactor Engineering, Instrument and Control, Performance, Projects and Computer Support. The Reactor Engineering Group, which is comprised primarily of Nuclear Engineers, is responsible for providing technical support for reactor operations, including reactor core performance monitoring as required by the NRC and for fuel economy, for sequencing of control rod manipulation and for the operation of certain systems closely associated with the reactor. Instrument and Control, which is the largest group within Technical Engineering, is responsible for performing the extensive surveillance testing required at Limerick and for maintaining, calibrating and troubleshooting the instrument and control portions of all plant systems. The Performance Group is comprised of

Engineers and Technical Assistants and has responsibility for monitoring plant and equipment performance, providing technical input for the station preventive maintenance program, reviewing operating and system procedures and coordinating all surveillance tests. The Projects Group performs special analyses and projects designed to improve plant operations and reliability, which may result in changes to operating procedures and/or plant modifications. Finally, the Computer Group performs maintenance and troubleshooting functions for the plant's numerous computers, and provides assistance in the development and modification of computer software.

Q. Please describe the staffing organization and major activities of the Chemistry Group.

A. The Chemistry Group is headed by a Senior Chemist who has a Ph.D in Chemical Engineering. This group consists of approximately 28 personnel, including Chemists, Technical Assistants and Technicians. It is responsible for performing a variety of analyses to ensure compliance with Company standards and practices reflective of prior operating experience, NRC Technical

Specifications, equipment manufacturers' recommended standards and environmental requirements imposed by the Environmental Protection Agency (EPA) and the Pennsylvania Department of Environmental Resources (DER). Specific activities of this group include the routine sampling and analysis of plant operating fluids such as reactor coolant, condensate, hydraulic fluids and lubricating oils. This group is also responsible for analyzing plant effluents and air samples. Using these analyses, this group develops and examines trend data and recommends corrective actions when their analyses indicate trend deviations or that regulatory limits may be exceeded. Although most of the work of this group is performed at the plant, it receives consulting and special test support from the Chemistry Laboratory located in the Company's Philadelphia Office.

Q. Mr. Cotton, would you please now describe the Maintenance Group organization and its activities.

A. The Maintenance Group, over which I have direct responsibility, consists of approximately 20 Engineers and Technical Assistants. The

responsibilities of my Group include troubleshooting equipment problems, defining plant conditions under which authorized repairs are to be performed, ensuring spare parts availability, writing and approving maintenance procedures and ensuring that proper plant and work conditions are established in a timely manner throughout the plant. This group also implements the Preventive Maintenance and Environmental Qualification Maintenance Programs, analyzes equipment failures, and performs designated surveillance tests. These activities are required to provide for safe operating conditions and plant performance, to promote plant availability and reliability, and to meet specific NRC and environmental requirements related to maintenance.

Another responsibility of my group is to coordinate the activities of certain on-site support groups. For example, we establish the priorities and schedules for work performed at Limerick by the Company's Maintenance Division which has a permanent staff of approximately 150 supervisors, technical personnel, and craftsmen. I am directly responsible to the Plant Manager

for the successful completion of Maintenance Division work and for the coordination of their activities with other station groups. I am also responsible for coordinating Stores Division activities (10 people) at the Limerick Storeroom. Under the Radwaste Services Contract, for which my group has administrative responsibility, approximately 50 personnel perform routine power block cleanliness and decontamination activities. In addition, approximately 35 personnel provide non-power block janitorial services as directed by the Company's Building Management representative who reports to me for coordination. The Plant Housekeeping Coordinator, who is also under my direction, establishes cleanliness standards and monitors the plant for compliance with these standards. Finally, the Nuclear Plant Reliability Data System, an INPO computer network for reporting equipment problems, is operated by my group.

Q. Mr. Cotton, please describe the organization and activities of the Limerick Health Physics Group.

A. This group is headed by a Senior Health Physicist, who holds a Masters Degree in Nuclear Engineering and is a certified Power Reactor

Health Physicist as required by specific NRC requirements for this position. This Health Physics Group consists of approximately 66 Physicists, Technical Assistants and Technicians, and is further broken down into two subgroups - Applied and Support Health Physics. The Applied Health Physics Group provides onshift Health Physics personnel who are responsible for conducting routine radiation and contamination surveys throughout the plant, implementing procedures which ensure that proper protective clothing and radiation monitoring devices are worn by all personnel, and performing daily on-the-job radiation and contamination monitoring activities to ensure personnel safety.

The Support Health Physics Group provides personnel dosimetry and radiation monitoring devices, establishes special dosimetry requirements to meet specific job monitoring conditions, monitors procedures and records for radwaste shipment and transportation, and supervises the issuance, recovery and cleaning of all radiological protective clothing and respiratory protection equipment. Support Health Physics also serves the important function of

reviewing work plans and procedures to minimize personnel radiation exposure pursuant to Company policy and NRC ALARA requirements.

Q. Please describe the Outage Planning Organization and its functions.

A. The Outage Planning Group is headed by a graduate Engineer who has extensive experience in plant maintenance and has been trained in Limerick Station operation as evidenced by his certification on the plant simulator. This group has a non-outage staffing level of 14 Engineers and Technicians. The primary responsibilities of this group are to schedule and coordinate outage activities in order to minimize work conflicts and reduce the down time of the station, monitor maintenance activities and the various industry problem and improvement reports to identify outage related work activities, and plan jobs which will be required during upcoming outages. Work sequences, particularly for fuel floor, under-reactor vessel, in-reactor vessel, and in-containment activities, are developed by this group to ensure that work group activities do not conflict or cause overcrowding in limited-access areas. Outage work sequences are also reviewed

by Health Physics to achieve the Company's goal of maintaining personnel radiation exposures as low as reasonably achievable (ALARA).

Prior to starting an outage, representatives from certain vendors (such as the main turbine and the reactor suppliers) are expected to be added to the outage planning staff. They will make final reviews and adjustments to work plans and procedures and, during the outage, will be available for technical support. The Outage Planning staff will also be augmented with schedulers and technicians to monitor and report work progress, coordinate the activities of plant groups such as Health Physics, Quality Control and Maintenance, and to update schedules and manpower requirements. Approximately 15 additional personnel may be added to the Outage Planning Staff just prior to and during an outage. In addition, Maintenance Division personnel at Limerick is expected to reach 400 with an additional 40 Health Physics technicians required to support increased outage work activities.

A number of other personnel increases will also be necessary to support Limerick outage

activities: Fire Watch personnel to monitor increased welding activities; Security Force members to assure adequate security coverage; Storeroom personnel to handle parts and materials; Quality Control personnel to perform the increased inspection activities; Technical Staff personnel to determine post-work testing requirements and perform various outage tests; and Radwaste Contract personnel to perform decontamination and cleanup activities and to construct work containment structures.

During an outage, the Maintenance Group coordinates with the Outage Planning Group to ensure that work is accomplished in the proper priority and also provides assistance in the areas of technical reviews, spare parts availability, plant staff coordination, and procedural controls.

The Modifications Engineer, a key member of the Outage Planning Group, is a licensed Senior Reactor Operator who is responsible for the plant modification proposal, review and approval process at Limerick. He coordinates with our Engineering and Research Department and various plant staff groups to assure that proper

technical reviews take place, that design and installation packages are prepared, that modifications are scheduled, and that Modification Acceptance Tests are performed. His group also assures that all procedures, drawings, plans, spare parts lists etc. are revised to reflect the "as-modified" plant and are ready for use when the modification is completed. The group also prepares a Modification Training Package, when appropriate, to inform plant operators and licensed staff members of modifications and their effect on plant operations.

Q. Mr. Cotton, would you please describe the staffing and activities of the Administrative Group.

A. The Administrative Group consists of over 250 personnel with diverse responsibilities. It is headed by a Senior Staff Engineer who is responsible for coordinating the activities of three sub-groups, as well as the activities of three Divisions within the Company in their support of Limerick Station operations.

The Sub-groups at Limerick Station include:

- Secretarial and Clerical Support. This group consists of approximately 40 people who provide secretarial and clerical support for the entire Limerick Station operating Organization.

- Security. This group consists of 6 PECO employees who coordinate the activities of an approved nuclear contract guard force of approximately 200 people. Its primary responsibility is to control and monitor access to the designated protected area at the station and certain vital areas within the power plant, as specified by NRC security requirements for nuclear facilities.

- Cost Analysis. This group is responsible for budget and cost control activities, and consists of a degreed employee supported by the clerical staff.

As noted, the Administrative Group is also responsible for coordinating the Limerick support activities of three Company Divisions. The first is the Safety Division within the Company's

Personnel and Industrial Relations Department which is responsible for establishing industrial safety procedures and conducting industrial safety inspections. The Records Management Section of the Systems Division, within the Company's Finance & Accounting Department, is coordinated through the Administrative Group and provides approximately 25 people who maintain station records in conformance with NRC requirements. The third is the Training Section of the Electric Production Department which, through the efforts of approximately 30 people, provides the NRC qualification and requalification training and the Company's progression and continuing training for personnel at the Limerick Station. The Training Program for Limerick Station is presently in the process of being accredited by INPO as a qualified training program and meets all appropriate NRC requirements. I should note that the Limerick Training Program, because it requires the expenditure of substantial time by Station personnel, contributes significantly to the level of operating expenses incurred.

Q. Mr. Cotton, would you please describe the Regulatory Engineering and Emergency Preparedness Groups.

A. The Regulatory Engineering Group is headed by the Regulatory Engineer and is supported by an Engineer and a Fire Projection Assistant. The Regulatory Engineer is responsible for coordinating and managing the entrance and exit meetings between station management and the NRC, INPO and the Company's QA/QC organizations. He is responsible for reviewing and implementing new or revised quality requirements, investigating and developing Licensee Event Reports submitted by station management to the NRC, and reviewing and tracking the results of inspection and audit reports. In addition, the Fire Protection Assistant is responsible for monitoring plant activities for fire hazards and assuring compliance with the plant's fire protection program, and is generally available to assist all station groups in fire protection matters.

The Emergency Preparedness Group consists of a single coordinator who is under the direct supervision of the Director for Emergency Preparedness in the Company's Electric Production

Department. This individual is responsible for working with plant staff to implement on-site emergency procedures and acts as liaison with outside entities regarding on-site emergency procedures and activities.

Q. Mr. Cotton, in addition to the groups described above, are there any other areas of the Company that support Limerick operations?

A. Yes, within the Electric Production Department, additional support is supplied to Limerick by Nuclear Production in the area of Nuclear Fuel Management, Nuclear Licensing, Independent Safety Engineering Analysis, Emergency Planning, Quality Assurance and Quality Control. Also, support is received from the Services Division for cost control and expertise with respect to Company and industry experience on historical performance and costs associated with nuclear plants. This support for Limerick Station is equivalent to approximately 60 additional full-time personnel. Support is also received from the Engineering and Research Department on an as-needed basis for jobs that require their specific expertise.

Q. What management controls have been established to ensure the efficient and effective operation of Limerick?

A. Throughout the fuel loading and testing phases at Limerick, we have made extensive use of schedules to plan the most efficient way to achieve commercial operation. Resoures are assigned to support the schedules and progress is closely monitored by all Senior Staff members. Each weekday, the Shift Superintendent holds a meeting which is normally attended by the Plant Manager, Superintendent - Operations, and Senior Staff members or their representatives. The purpose of this meeting is to review plant activities for the previous shifts, to identify problems needing attention, and to cover the plan of operation and maintenance for the day. In addition, a daily "TRI-POD" meeting (3-day look ahead) is held. This meeting is chaired by a Senior Plant Staff member and is attended by representatives from all plant staff groups and from all support groups. Overall plant and systems status and operational plans are reviewed and each group reports on the status and plans for their work over the next three day period. This meeting

assures that all groups are aware of plant goals and can support them, helps to identify and resolve potential work group conflicts, and allows some tasks to be combined in a manner which reduces operator blocking efforts and minimizes the amount of equipment removed from service. This meeting also serves as a vehicle to rapidly distribute information to the staff regarding changing radiological conditions in the plant, industrial safety matters and other matters of general interest. These specific controls, plus routine staff and PORC meetings, will continue to be used to manage and control normal plant operations and will be supplemented when needed.

Q. Have the Company's organizations and activities for Limerick Generating Station been reviewed by the NRC or other independent third parties?

A. Yes. An important part of our pre-operational license activities at Limerick was a thorough review of the plant organization by the NRC and the Advisory Committee on Reactor Safeguards, which found them to be acceptable as evidenced by the granting of an Operating License.

Q. Does this conclude your testimony?

A. Yes, it does.

Appendix A

Philadelphia Electric Company Work Experience of John B. Cotton

I joined Philadelphia Electric Company in 1972 and was assigned to the Quality Assurance Section of the Engineering and Research Department. While in this position, I reviewed component and equipment specifications for Quality Assurance and Quality Control provisions, reviewed component vendor Quality Assurance Manuals, performed Quality Assurance audits, and witnessed certain inspections and tests at vendor sites for the facilities at Limerick Generating Station. During this period, I also completed a 12-session course of the 1974 ASME Boiler and Pressure Vessel Code, Section III presented by the ASME-Engineers Club and completed the Drexel University Professional Engineering Registration Examination Review course.

In 1978, I was transferred to the Electric Production Department at Limerick. I was responsible for the operation and maintenance of the auxiliary boilers, plant heating system and water treatment facility, for review of various sections of the Final Safety Analysis Report for operational and

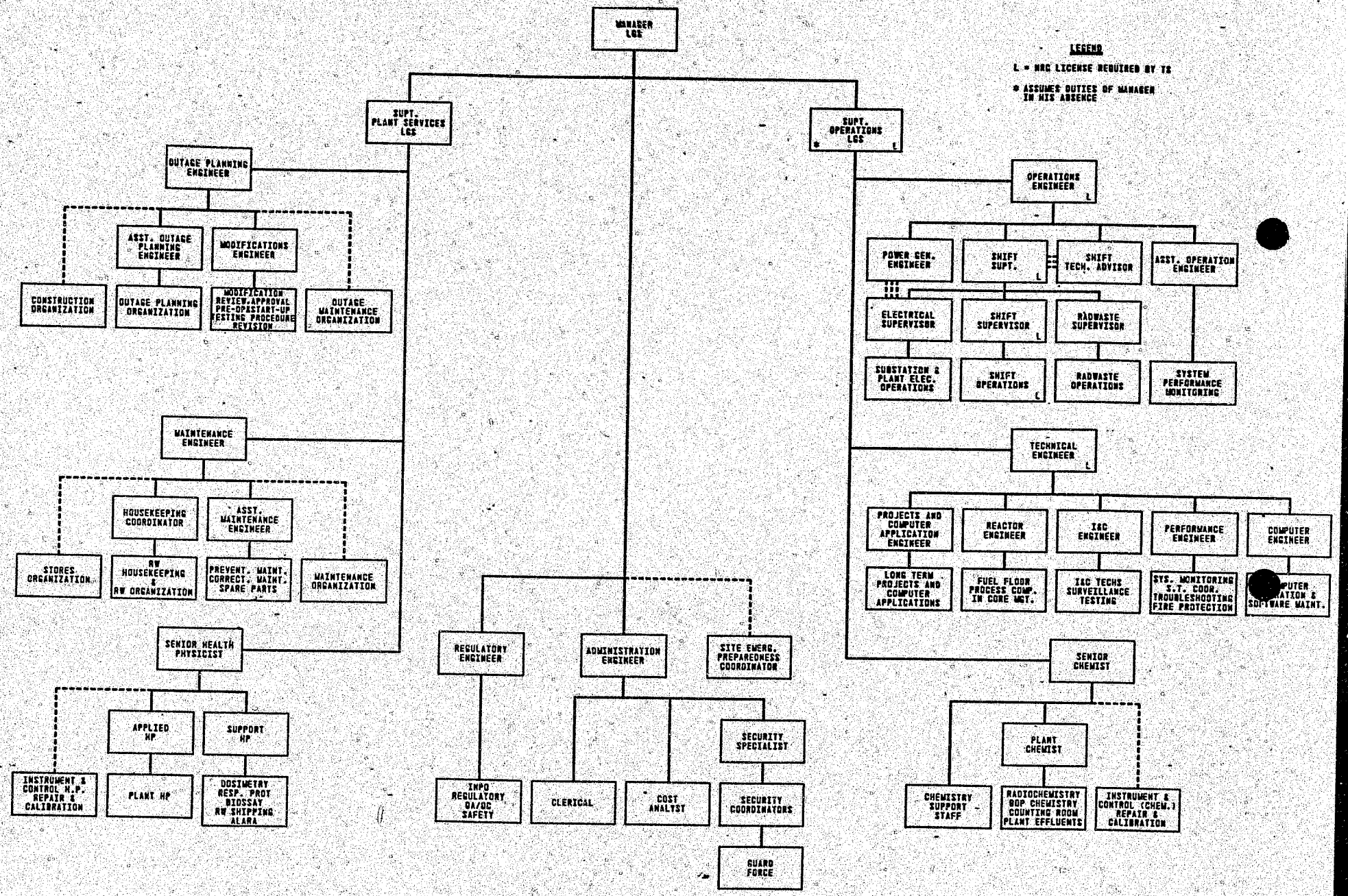
maintenance considerations, and for preparation of sections of the Final Safety Analysis Report assigned to me, including the Emergency Plan. I also participated in the overall planning for the organization and staffing of the Limerick plant. In 1980, I completed a Radiological Emergency Response Coordinators course presented by the NRC and a two-week Research Reactor Training course at Pennsylvania State University.

In 1981, I was assigned as Plant Staff Maintenance Engineer at Limerick. I was responsible for development of the maintenance organization and maintenance program, including the programmatic controls under which maintenance is performed, preparation and approval of detailed maintenance procedures for plant equipment, preparation of the preventive maintenance program, and installation of a computer system used to assist in the maintenance document process and to maintain equipment histories. I am responsible for defining maintenance tasks, both corrective and preventive, to be performed by the Maintenance Division, for setting maintenance priorities and schedules, for coordinating with the operations staff to make equipment available for maintenance and with the Health Physics and Quality

Control staffs, for implementation of the environmental qualification maintenance program, and for failure and trend analyses. I serve on the Plant Operations Review Committee (PORC), which is a senior staff organization responsible for reviewing a wide range of technical and administrative matters and for making recommendations to the Plant Manager on nuclear safety topics. In 1981, I completed the twelve-week Boiling Water Reactor Simulator Senior Operator Certification Course and a one week Process Instrumentation and Controls Course.

Schedule 1

LIMERICK GENERATING STATION



PECO STATEMENT NO. 22

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Public Utility Commission

PENNSYLVANIA PUBLIC UTILITY COMMISSION
VS
PHILADELPHIA ELECTRIC COMPANY

DOCKET NO. R-850152

DIRECT TESTIMONY OF JOHN J. CARROLL

EXPLANATION OF COAL & OIL INVENTORY AND PRODUCTION PLANT EXPENSES; DEVELOPMENT OF LIMERICK FUEL SAVINGS

DOCKETED
DEC 20 1985

SEPTEMBER 1985

DOCUMENT FOLDER

DIRECT TESTIMONY OF JOHN J. CARROLL

Q. Please state your name and business address.

A. John J. Carroll, 2301 Market Street, Philadelphia, PA.

Q. By whom are you employed, Mr. Carroll, and in what capacity?

A. I am employed by the Philadelphia Electric Company as Staff Engineer in the Services Division of the Electric Production Department.

Q. What is your educational background?

A. I graduated from Villanova University in 1952 with a degree of Bachelor of Mechanical Engineering.

Q. Please describe your work experience with Philadelphia Electric Company.

A. I joined Philadelphia Electric Company in 1952 as a junior engineer in the Station Operating Department, the predecessor of the Electric Production Department. In 1960, I was transferred to the Economy Division of the Station Operating Department and held supervisory positions in that division from 1965 to 1974. In

1974, I was appointed Engineer-In-Charge of the Cost Section, Services Division of the Electric Production Department and held that position until I assumed my current position in January, 1984. A description of my principal activities in each of these positions is set forth in Appendix A, as is a list of my professional affiliations and my prior participation in proceedings before the Pennsylvania Public Utility Commission.

Q. What is the purpose of your testimony?

A. My testimony will explain the adjustments to Revenue, Expenses, Income and Measure of Value as presented in the Exhibit TPH-2 that are a function of the Electric Production Department. The specific adjustments which I have prepared are:

- Page C-10; the fuel inventory levels and prices included in the Materials and Supplies adjustment.
- Pages D-10, D-10a, D-10b, D-10c and D-10d; the normalization of operating and maintenance expenses associated with the nuclear and fossil production plants.

- Page D-11; the adjustment to the test year O&M expenses resulting from retirement of Richmond No. 9, Southwark No. 1 & No. 2 and Diesel and the selected Combustion Turbines.
- Page D-16; the level of anticipated gross output from the Nuclear Generating Units.
- Page D-18; the full year non-outage Operating and Maintenance expenses required by Limerick Station.
- Page D-21; the Energy Cost Savings anticipated from the operation of Limerick No. 1 after the unit is placed in commercial operation.

In addition, I will explain the analyses which I have performed to assure that the future test year power production expenses shown on Schedules B-10 and B-11 of Exhibit TPH-2, after the specific adjustments, which I have made and excluding fuel expenses, are normal expenses appropriate as the basis for rate level establishment.

Q. In the materials and supplies claim of the Company covered in TPH-2 Page C-10, would you

please explain the basis for the inventory levels requested by the Company.

A. The Fuel Committee of Philadelphia Electric has established a policy for determining the amounts of inventory required and therefore fuel purchases necessary. This policy is on file with the Commission. For coal inventory in the Philadelphia Area, the supply must be sufficient to meet two times the predicted monthly burn (60 days supply) including a normal build-up in the winter to 70 days due to frozen coal and transportation problems; for No. 6 oil the supply must be sufficient for the monthly burn (30 days); and for No. 2 oil, the supply must be sufficient to provide approximately 72 hours of burn for each of our combustion turbine units in order to maintain area protection and system reliability in event of a major fuel supply interruption. These levels are required at the start of each month. The desired inventory levels are achieved by scheduling deliveries in conjunction with burns, during each month, to achieve the desired level at the start of the following month.

At the jointly owned minemouth plants the coal inventory level represents a 45 day burn at an 80% in-service capacity factor for both plants. The inventory level at these plants is only 45 days because of the direct tie with the coal mines which virtually eliminates the potential for transportation delays and interruptions.

Q. Please explain the basis for a 60 day supply for coal and a 30 day supply for oil.

A. The 60 day inventory level for Philadelphia area coal is required to assure maintenance of necessary service reliability based upon a consideration of the probable duration of loss of coal deliveries for various reasons. Reasons considered include rail and miners strikes, rail equipment problems, winter weather, Miners' Holiday, and inability to meet quality requirements of contracts. The interruption periods resulting from these potential disruptions vary from 120 days for a miners' strike to 2-3 days for track damage or holidays.

A similar analysis to that performed relative to coal inventories supports the claimed oil inventory levels. The reasons oil deliveries

could be disrupted include international problems affecting imports, barge strikes, refinery or terminal strikes, embargoes, river navigation problems due to ice, fog, accidents or barge availability, trucking problems due to ice, or strike, and production problems at refineries and terminals. The severity of these problems, exclusive of international problems, were estimated to be between 30 days for barge strikes and as little as one day for trucking problems.

Q. Based on the Company fuel inventory policy, how were the levels of inventory developed?

A. The Company used the ProdCost Model to predict the fuel burn at our various generating stations for the Future test year and one subsequent year, with a simulation of Limerick No. 1 unit in commercial operation for the entire period. Using the output from this prediction, the fuel requirements for Philadelphia Area Coal and No. 6 oil, both 0.5% and 1.0% sulphur, were determined for each month. These monthly requirements were then used as an input to the policy requirements to arrive at a starting inventory for each month. The values shown on TPH-2, C-10 are the average

of the monthly values developed for the years stated.

Q. What are the inventory levels requested in these proceedings?

A. The inventory levels for both coal and oil assume that Limerick No. 1 is commercially available and that Richmond No. 9, Southwark No. 1 & 2 and the selected internal combustion units are retired for the total time period. For Philadelphia coal, the inventory projection is 204,000 tons which is a decrease of 96,000 tons from the inventory level as was approved by the Commission in R-842590. This decrease reflects the lower coal burn that will be required with Limerick No. 1 available.

The minemouth coal inventory remains at 240,000 tons which represents 45 days burn at an 80% in-service capacity factor for both plants and is the same level as was approved by the Commission in R-842590.

The Philadelphia No. 6 oil 1.0% sulfur inventory level is 100,000 bbls which is an increase of 5,000 bbls from the inventory level approved by the Commission in R-842590 and represents 90,000

bbls of usable No. 6 oil 1.0% sulfur. This increase is due to a higher estimate of Cromby No. 2 Unit's generation for this period than was used to arrive at the 95,000 bbls approved in R-842590.

The Philadelphia No. 6 oil 0.5% sulfur inventory level is 350,000 bbls which is a decrease of 40,000 bbls from the inventory level as was approved by the Commission in R-842590 and represents 261,000 bbls of usable No. 6 oil 0.5% sulfur. This decrease reflects a reduction due to the retirement of Southwark 1 & 2 and the dead storage associated with that station.

The No. 2 oil inventory level is 263,000 bbls which is a decrease of 37,000 bbls from the inventory level approved by the Commission in R-842590. This decrease is due to the retirement of the selected internal combustion units.

Q. How were the prices shown in TPH-2 Page C-10 obtained?

A. The Fuel Procurement Department was requested to supply their prediction of the fuel prices that will be in existence in the future for the Philadelphia Area fossil stations. During the

process of preparing the prediction, discussions with the Fuel Procurement Department were held to review and understand the basis for and various factors which were used to prepare their estimate. As a result of this review process, I have accepted their predictions for use in these proceedings. With respect to the expected prices for coal at the minemouth plants, the Keystone-Conemaugh Project Office was requested to provide the forecasted prices expected at the end of the test year, considering their contracts with the mine operators and any changes in operation anticipated during the test year. The prices shown on Page C-10 are the result of this process.

Q. What is the effect on fuel inventory level due to Limerick No. 1 being placed in commercial operation?

A. The availability of Limerick No. 1, in the two years used to develop the inventory claim, substantially reduces the fossil fuel generation requirements due to the additional low cost nuclear generation produced by Limerick. Specifically, shown on the following table the inventory level changes due to Limerick No. 1

are: Philadelphia Area coal decreases by 96,000 tons, the No. 6 oil inventory for both 1.0% and 0.5% sulfur oil decreases by 137,000 bbls, and the No. 2 oil inventory decreases by 37,000 bbls.

Electric Fuel Inventory

	W/O Limerick	Claim	Decrease
Coal	Tons	Tons	Tons
Phila. Area	300,000	204,000	96,000
Keystone	121,000	121,000	-
Conemaugh	119,000	119,000	-
Oil	Bbls	Bbls	Bbls
No. 6-1.0%S	117,000	100,000	17,000
No. 6-0.5%S	470,000	350,000	120,000
No. 2	300,000	263,000	37,000

Q. Would you explain the basis for your adjustment to the nuclear and fossil plant production operation and maintenance expenses shown on TPH-2, Page D-10.

A. Page D-10 of TPH-2 summarizes the adjustments for nuclear plant expenses shown on Page D-10a, the fossil plant expenses shown on Page D-10b, the maintenance expense revisions as shown on Page D-10c and the amortization of a regulatory mandated non-recurring cost at Salem Station on D-10d. The adjustment listed in D-10c for the

maintenance schedule changes was the first adjustment developed as it affects the adjusted values used in establishing the normalized outage expenses for both nuclear and fossil units, where appropriate, as shown on D-10a and D-10b.

Q. Mr. Carroll, please explain the adjustment on TPH-2 Page D-10c.

A. Since the budgeting process is undertaken early in the summer prior to the start of the Budget Year, it is necessary to make certain assumptions regarding the timing of outages. These timing assumptions are made not only for the start and stop dates of the outages, but also with respect to when the expenses will be booked for the work completed.

Since the schedule for outages is dynamic and is changed based on the latest information, the outage schedules reflected in the final Budget may not reflect the latest available schedule when a rate case is filed. Thus, in order to determine the proper adjustment of anticipated expenses to normalized expenses shown for the nuclear and fossil plants on D-10a and D-10b respectively, it is first necessary to review the

latest projections for the outages and adjust the anticipated expenses for these outages included in the operating expenses listed in TPH-2 Page B-10 and B-11. That is the purpose of Page D-10c.

Q. Would you please explain the items listed on Page D-10c.

A. As explained above, the rescheduling of outages is a dynamic process and the first four items are adjustments to reflect this process. The Eddystone No. 2 outage, originally scheduled for the second half of 1985, was rescheduled into the first half of 1985. The Delaware No. 8 outage scheduled for the first half of 1986 has been rescheduled into the second half of that year. The adjustments for the outages at Peach Bottom Station are to move the 1986 outage on No. 2 unit beyond the test year and move the No. 3 unit outage into the second half of 1985.

The fifth item refers to the Swede Street Dam. These expenses were included in the 1985 Budget because the Company was not able to obtain the necessary permit from the Pennsylvania Department of Environmental Resources in time to perform the repairs in 1984. However, the recovery of these

expenses were part of the normalized adjustment to our maintenance expenses in R-842590 and referenced in the later discussion of Schedule D-10b. Therefore, this adjustment removes these expenses from the amount requested in this proceeding.

At Eddystone Station, failures were discovered in the Transition Tubes in No. 1 boiler. Inspection of these tubes showed that the material used was approaching the end of life and that a replacement program was needed to maintain boiler reliability. These tubes are in the low temperature convection section of the boiler which had not previously displayed significant problems, and therefore had not been included in the recently completed Restoration Program. An estimate of $3,578,000 was included in the 1985 budget to perform this replacement. Subsequent investigation showed that the replacement program could be completed for $3,400,000 and the impact on the outage lengths would be minimized if the replacement was scheduled for 50% completion in each of the next two outages. The adjustment shown here reduces the requested O&M expenses included in the budget by $1,878,000 and permits

the company to recover the level of expenses that will be incurred each year for the next two years to maintain the reliability of one of its Philadelphia Area coal units.

The last adjustment of $1,600,000 reduction for dredging expenses is made to correct the timing of dredging expenses in 1986 included in the Future test year expenses shown in TPH-2, Page B-10, as well as a reduction in 1985 projected expenses because of the cancellation of anticipated dredging projects at Cromby and Schuylkill Station.

Q. Would you explain the adjustment of $20,651,000 for normalized outage expenses as shown on TPH-2 Page D-10a.

A. The $20,651,000 is the difference between a normalized level of end of cycle outage expense for the Company's five nuclear plants and the actual expenses included in the test year for end of cycle outages. End of cycle outages occur once every 18 months on each unit or 2/3 of an outage per unit per year on a normalized basis. Thus, a normalized outage level for the Company's five nuclear units will be 3 1/3 outages per year

(2/3 x 5). The expense to perform these outages is $37,505,000. However, total outage expenses included in the budget were only $16,854,000, which reflects a complete end of cycle outage for both Peach Bottom 3 and Salem 1 during the test year. No outage expense for Limerick 1 was included in the Budget. Therefore, this additional $20,651,000 is required to provide for a normalized level of nuclear end of cycle outage expenses.

Q. What is the basis of the normalized outage expenses for Peach Bottom, Salem and Limerick?

A. The development of the normalized outage expenses (2/3 of an outage per year) is shown on Schedule 1 of this testimony. Basically, the value represents the Commission approved outage expenses for Peach Bottom and Salem (R-842590) and the projected expenses for a Limerick outage, corrected to reflect inflation to the Future Test Year time period. The normalized outage expenses used for Limerick No. 1 unit were developed by examining the most recent and projected future expenses for the Peach Bottom units and using this levelized value for the Limerick unit outage cost. This approach was taken to develop the

projected Limerick No. 1 outage costs, since both plants will have similar operating characteristics, both are Boiling Water Reactors and will undergo a refueling outage every 18 months. Also, refueling outages at Limerick will be governed by the same regional cost effects and will be under the same maintenance supervision and manpower cost impacts as is presently experienced at Peach Bottom.

Q. Why does the value for 2/3 of a Limerick end of cycle outage appear to be significantly higher than that of Peach Bottom?

A. Since Peach Bottom units are jointly owned, the value of 2/3 of an end of cycle outage represent only 42.49% of the total cost of an outage, whereas the value of an end of cycle outage for Limerick represents the full cost of an end of cycle outage.

Q. Would you please explain the $4,028,000 adjustment shown on TPH-2, Page D-10b for Normalized Fossil Outages.

A. The development of the normalized fossil outage expense of $22,728,000 as shown on Schedule D-10b

is shown on Schedule 2 of this testimony.

The starting amount for this development is the amount included in the Company's presentation in R-842590 ($21,611,000). Line two of Schedule 2 shows a correction to adjust to the Commission ordered inflation rate of 4.2%. This results in an Approved Value of $21,244,000 from R-842590. Then the following adjustments were made to reflect changes since the Commission issued that order: The first adjustment shows the removal of the normalized outage expenses for Southwark #1 & 2 units. (In the value presented by the Company in R-842590, the entire expenses associated with Richmond No. 9 unit outages had been excluded from the request and also that portion of Southwark #1 & 2 units concerned with the major turbines and boilers overhauls on the six year cycle.) This correction removes those expenses associated with fossil steam units scheduled for retirement. The second adjustment adds the Commission approved normalization for Production Expenses to allow for specific non-reoccurring expenses that are replaced in future years by similar type expenses at other locations on the system. (The items cited in R-842590 were

the Swede St. Dam and the Schuylkill Station City Sewer System. This is the reason why the Swede St. Dam repair expenses in this Test Year has been removed on D-10c of TPH-2.) The third adjustment is to correct the total amount to the time frame of these proceedings for inflation.

It should be noted that the Company re-evaluated the normalized outage expenses for the fossil steam plants using the standard procedure and updated cost experience. However, since the recalculated value was only 0.25% higher than the value approved in R-842590, this claim is based on the previously approved normalized value.

Q. What is the purpose of the adjustment shown on page D-10d of TPH-2?

A. At the time of the Salem No. 1 breaker incident, Public Service Electric and Gas Company (PSE&G) was questioned by the Nuclear Regulatory Commission on the Company's ability to operate and manage a nuclear facility. When PSE&G addressed this question, it took advantage of the timing to perform a complete management review of their procedures and policies with regard to nuclear power operation. PSE&G in conjunction

with Management Analysis Company, a consultant hired for this project, developed an Action Plan for operation and management of their nuclear facilities.

This Action Plan covers seven main areas; Management, Safety, Modifications, Operations, Quality Control, Maintenance, Record Control and Training. The purpose of this extensive examination and development of new procedures for all areas of corporate involvement in the operation of a nuclear facility is to increase the proficiency and efficiency of their organization for now and into the future. The development of these Action Plans are no different than any periodic review taken by Management to address the question "How should we be best operating and managing our facilities into the future." Such reviews are periodically undertaken by management to improve the overall proficiency and efficiency of its organization in specific areas. The Company, therefore, requests a two-year amortization of these expenses.

Q. Would you please explain the basis for the expense adjustment associated with the retirements shown in TPH-2 Page D-11.

A. When the Budget was prepared, expenses were included for the operation and maintenance of Richmond No. 9 Unit, Southwark No. 1 and 2 Units and the internal combustion units scheduled for retirement until their officially predicted retirement date. However, since these units are scheduled for retirement during or shortly after the future test year, those expenses which were included in the Department Budget until retirement will not be incurred during the first full year of rates established in this proceeding. Therefore, the total amount of O&M expenses associated with the operation of these units has been removed from the level of expenses requested in this proceeding.

Q. Mr. Carroll, what is the value and justification for the capacity factors used to calculate the anticipated average generation estimate for the Peach Bottom, Salem and Limerick units on Page D-16?

A. The generation estimates on Page D-16 are based on a 65% Capacity Factor for all the Company's nuclear units. This is consistent with the Company's last rate proceeding, where the Commission accepted a 65% Capacity Factor for the

Salem Units and a 66% Capacity Factor for the Peach Bottom units.

A 65% Capacity Factor also reflects the recent improvements made at the existing plants, e.g., generator rewinding and replacement at Salem and pipe replacement or Induction Heating Stress Improvement to the piping systems at Peach Bottom. In addition, the value of 65% reflects the improvement in Capacity Factor that can be expected in the future since all units will be on an 18 month refueling cycle.

Q. Would you please explain the adjustment to reflect a full year O&M expense for Limerick No. 1 Unit as shown on Page D-18.

A. The non-fuel O&M costs in the Budget do not contain any projected expense for Limerick No. 1. All dollars budgeted to the 517 through 532 accounts for Limerick Station were deferred under the provisions of the Commission's Order at P-840514.

The $63,448,000, shown on Page D-18, represents a full year of non-fuel O&M cost for Limerick No. 1 Unit. This figure was developed from Peach Bottom history. As explained on Page 12 of this

testimony, the units at Peach Bottom and Limerick have very similar operating characteristics and therefore provide a good historical background for projecting the Limerick O&M expenses.

Schedule 3 of this testimony shows the development of Limerick O&M expenses based on the Peach Bottom Station experience. Page 1 shows the historic and projected O&M expenses for Peach Bottom Station for the period of 1981 to 1989. The statistics for 1983 have the unusual expenses for the pipe crack repairs removed and 1984 and 1985 were not used due to the unusual nature of the No. 2 Unit pipe replacement outage. The intent of this schedule is to establish a level of expenses for end of cycle outages and also the level for non-outage related expenses. The non-outage related expenses were then reviewed to determine what portion is unit specific and what portion is for common plant.

This breakdown of non-outage related expenses is necessary since Limerick will be a one unit plant, during the period these rates will be effective, and common plant expenses are not incurred at a 50% level for a one unit plant vs. a two unit plant.

The results of the analysis presented on Schedule No. 3, Page 1 shows that the outage expenses are expected to be $19,400,000 per outage and non-outage money is expected to be $72,570,000. It also shows that 80.2% of the non-outage money is required for common plant and 19.8% is for unit specific items. An adjustment was then made to the total non-outage money to correct Peach Bottom's experience for cooling water and equipment expenses that are unique to Peach Bottom Station. This adjustment results in a non-outage related expense for the Limerick analysis of $71,070,000.

Page 2 of Schedule 3 shows the results of an engineering judgment analysis of the various FERC accounts to determine what portion of these expenses would be incurred if the plant consisted of only 1 unit as opposed to the Peach Bottom history for a 2 unit plant. Each major contributor to the various accounts from 517 through 532 were examined to determine the overall % of common expenses experienced at Peach Bottom that is appropriate at Limerick. This analysis resulted in 88.4% of the Peach Bottom history being applied to Limerick.

Page 3 of Schedule 3 is a summary of the statistics from Pages 1 and 2 used to establish the actual values shown on D-18 of TPH-2. It includes the cost that will be incurred to deliver the cooling water from the Delaware River to Limerick Station during low flow periods. Since all of the Peach Bottom expenses were expressed in 1985$, the costs were then adjusted for inflation to mid-1986 for Test Year purposes. This adjustment includes a 3% annual real growth factor to recognize the trend of increased O&M expenses for nuclear plants.

This approach permitted the Company to use an experienced data base to establish a reliable projection of future O&M expenses that will be incurred at a new nuclear plant on its system with similar operating characteristics.

Q. Mr. Carroll, why did you use historical values for Peach Bottom starting in 1981 rather than for the entire plant's history.

A. The use of history starting in 1981 was used to reflect the 18-month refueling outages, the timing for Limerick fuel cycles, rather than the earlier 12-month fuel cycles. Also, the later

history reflects the changes in O&M expenses due to increased regulation.

Q. Mr. Carroll, please explain the development of the values for total fuel and interchange expense as shown on Page D-21 of Exhibit TPH-2 and the resultant effects on the Company's Energy Cost.

A. The Company's ProdCost Program was used to predict the level of Total Fuel and Interchange Expenses that are expected to be incurred in the two years immediately after the rates determined in these proceedings will be in force. A second computer run was made to determine what would have been the level of Total Fuel and Interchange expenses for the same two year period if Limerick No. 1 was not in commercial operation, but all other conditions on PECO and the other PJM companies did not change. The results of these two computer runs are shown on Page D-21a as the Total Fuel and Interchange Expenses with and without Limerick No. 1 unit.

Q. Please describe more specifically what is the difference between the two totals shown on TPH-2, Page D-21a?

A. Production Cost computer runs were made to determine the fuel and interchange expenses with and without Limerick No. 1 unit in operation. The difference between the two values ($416,636,000) is the fuel and interchange savings available to PECO customers as a result of Limerick No. 1 being included in the rate base and the inexpensive nuclear energy from this unit being available to supply customer load during the two years, July 1, 1986 to June 30, 1988.

Q. Mr. Carroll, why was the analysis performed for a two-year period?

A. This was done to be consistent with the Company's proposed two-year stayout, thereby reflecting our best estimate of the average of costs over the period the proposed rates will be in effect. I should note that we have performed the analysis in the same manner as in our last rate case. Also, our adjustment employs only an annual average fuel savings in developing our test year accounting presentation.

Q. What assumptions have you made in your development of these fuel savings?

A. These assumptions include, but are not limited to:

- o Effective dates of generating plant additions and/or retirements upon PJM.
- o Load requirements of all PJM members.
- o Availability of the units, especially base load units.
- o Fuel Prices.

Changes in any of the above conditions could result in the savings being different from those shown on D-21a. However, the sensitivity of the D-21a results to these assumptions is relatively less in a savings study such as this because the changes would be approximately the same for both cases (with and without Limerick No. 1 unit). The exception to this, of course, is the input data for Limerick No. 1 Unit.

Q. What capacity factor was projected for Limerick No. 1 unit in the study that developed the savings shown on TPH-2, Page D-21a?

A. In the study period, Limerick was projected to experience a 64.6% Capacity Factor.

Q. Mr. Carroll, do you believe that the fuel savings which you have developed associated with the commercial operation of Limerick 1 are a reasonable estimate of such future savings and should be used by the Commission in this proceeding?

A. Yes, I do.

Q. Mr. Carroll, in preparing the Company's Production O&M expenses for this filing, what actions were taken to insure that the expenses contained in Exhibit TPH-2, Pages B-10 and B-11 are normalized expenses?

A. The expenses shown on Pages B-10 and B-11 for the Production O&M expenses are the result of the budgeting process within the Electric Production Department (EPD). This budgeting process is designed to review all budgeted expenses in comparison to normalized trends. The individual Responsible Areas within the Electric Production Department submit budgets categorized into three areas: routine; non-outage specific and outage related expenses. All three of these categories are then summarized and compared to the trended level of expenses developed from history. Any

deviations from this trend must be explained and defended. The totals for the Department are then again summarized and compared to the trended total developed from history. It is the purpose and goal of these procedures to submit a budget for the Electric Production Department which is in agreement with the normalized expenses which the Department has supported in the previous Rate filings and is consistent with the revenue generated to support the Electric Production Department's Operating and Maintenance Expense requirements.

Deviations from this trend are the basis for the D-10 adjustments explained in this testimony, as well as the basis for the variations of specific FERC account as explained in Volume II-D-1.

Q. Mr. Carroll, are there any other comparisons you have made to demonstrate that the level of Power Production expenses requested in these proceedings are a normalized level of expense?

A. Yes, I have prepared Schedule 4 attached to this testimony. This schedule shows the Total Power Production Expenses (less Fuel) that the Company is requesting in these proceedings, adjusted for

the corrections of D-10 and D-11 in TPH-2. Also shown in this schedule, are the expenses predicted to be incurred in the same FERC accounts for the years 1986 through 1989. These statistics show that the amount requested (as shown on pages B-10 and B-11 of TPH-2) is less than the average of the next four years by over 8%.

Due to the adjustment on D-11 of TPH-2, the test year values are after the retirement of Richmond, Southwark and the selected Combustion Turbines and do not include the expenses for Limerick Station. The years 1986 through 1989 have been assembled on a comparable basis.

Q. Does this conclude your testimony?

Y. Yes, it does.

APPENDIX A

Testimony of John J. Carroll

Q. Please summarize your responsibilities in the various positions you have held with Philadelphia Electric.

A. While assigned to the Station Operating Department from 1952 to 1960, I held non-supervisory positions at several generating stations operated by Philadelphia Electric. My work in these stations included the testing of plant performance and work on the instrumentation and control systems within the stations. While working in the Economy Division from 1960 to 1974, I was responsible for the development of incremental costs used to load generating equipment for maximum economy, the development of budgets and forecasts of generation, fuel requirements and costs, interchange accounting practices and procedures, and the development of reserve requirements rules and procedures for rating capacity. Some of the work was done for Philadelphia Electric in conjunction with the PJM Interconnection. In 1974, I was appointed Engineer-In-Charge of the Cost Section. This section develops Philadelphia Electric's budget for fuel, generation, interchange, and operation

and maintenance expenses. It also monitors the actual expenditures and sources for power and compares these with budget values and investigates the reasons for any variation. The Cost Section also develops future production requirements and O&M expenses for outage planning and changes in the operated mode of the power production system. The Cost Section has the responsibility for forecasting and monitoring the expenses incurred by the Electric Production Department and for providing management with the necessary information for economic operation of the Department. As Engineer-In-Charge, I had full responsibility for the implementation of the duties outlined above. In my current position as Staff Engineer, I have responsibility for special studies and projects within the Electric Production Department, including plant performance evaluations, regulatory matters, and economic analyses.

Q. What are your professional affiliations?

A. Since 1952, I have been a member of The American Society of Mechanical Engineers. I have served as a member and chairman of various subcommittees

and task forces of the PJM Interconnection as the PE representative on such groups.

Q. Have you testified in any previous rate proceedings before the Pennsylvania Public Utility Commission?

A. Yes. I presented testimony in Philadelphia Electric Company's most recent electric rate case, R-842590, in support of production operation and maintenance expense, fuel inventory claims and various expense adjustments. I also testified concerning these same matters in the Company's seven preceding electric rate cases at R-822291, R-811626, R-80061225, R-79060865, RID 438, RID 295 and RID 129. My testimony in these cases also included the preparation and presentation of computer based generation reload studies to be used in determining normal Electric Production costs, capacity factor analysis in support of claimed normal or estimated future plant operating levels (including nuclear plants), the presentation and support of Philadelphia Electric's Six Year Preventive Maintenance Program for fossil generating plants and of its twelve and now eighteen month outage maintenance program for Peach Bottom Unit 2 and

3, explanations of PJM Interchange Accounting and costs and of the costs and circumstances associated with purchasing power from non-PJM sources. In addition to the above, I testified for the Company in M-830453, et al and I-840381 concerning O&M expenses, Capacity Factors for nuclear and fossil units, maintenance scheduling, fuel and interchange costs and replacement power expenses.

Schedule 1
Development of Normalized Outage Costs
Nuclear Plant Outage

Values from R-842590 - expressed in 1984$
- Peach Bottom Station $11,726
- Salem Station per Unit 5,184

The Limerick Values in 1985$ is
- from Schedule 3 $12,900

Inflation Adjustment for Future Test Year
- 1985 1.0525
- to June 1986 1.032
- Applied to Peach Bottom and Salem 1.0862
- Applied to Limerick 1.047
  - 1.032 + 1/2 1.03 (Real Growth)

Future Test Year Normalized Outage Expenses

Peach Bottom Station	$11,726 x 1.0862	= $12,737
Salem Station	$ 5,184 x 2 x 1.0862	= $11,262
Limerick Station	$12,900 x 1.047	= $13,506

Schedule 2
Development of Normalized Outage Costs
Philadelphia Area Fossil Stm. Units
D-10b

	$1,000	
Presentation in R-842590	$21,611	(1984$)
Commission Ordered Inflation Adjustment to 4.2%	- 1.06 x 1.042	
Commission Approved Value	21,244	
Correction to Remove Swk. #1 & 2	(467)	
Commission Approved Normalization	147	
Corrected Value	$20,924	(1984$)
Inflation Adjustment to Future Test Year $ 1.0525 for 1985 1.032 to June 1986	x 1.0862	
Normalized Outage Expenses	$22,728	

Schedule 3

Development of Limerick O&M Expenses as Function of Peach Bottom Costs

An analysis of Peach Bottom's historic and projected costs for the period 1981 through 1989 (less 1984 and 1985) was used to determine what level of expenses would be incurred in the future for the Operation and Maintenance of Limerick Station.

Peach Bottom O&M Expenses (Total Station) Expressed in 1985$

Non-Outage O&M Expenses $1M

Year	Total	Common	Unit Specific	Outage Expenses
1981	58.9			18.8
1982	63.0			20.1
1983	68.0			20.3
1986	82.2	65.6	16.6	32.2
1987	80.8	65.0	15.8	27.1
1988	77.4	62.4	15.0	18.8
1989	77.7	62.2	15.5	37.6
Average	72.57	63.8	15.73	174.9 for 9 Outages $19.4/Outage
1986-89	79.52	63.8	15.73	

% Applied to Various Components

$$\text{Common} = \frac{63.8}{79.52} = 80.2\%$$

$$\text{Unit Specific} = \frac{15.73}{79.52} = 19.8\%$$

Total Peach Bottom Costs Applicable to Limerick.

Non-Outage = $72.57 - 1.5 = $71.07

$1.5 = Average Cost of Cooling Water Cost plus O&M for Forced Draft Cooling Tower Lift Pumps and Fans

Schedule 3

Limerick O&M Study
Analysis of Peach Bottom Expenses
for Determination of 1 Unit Costs

Account	Description	% Allocated to 1st Unit
517	Oper. Supv. & Engrg.	95%
519	Coolants & Water	
	Water	0%
	Make-up Demineralizer & Raw Water	60%
	Demineralizer Plant	
	Waste Water Treatment Plant	
520	Steam Expense	
	Health Physics Expenses	75%
	Waste Disposal Expense	75%
	Plant Labor - Steam Generator	100%
	Auxiliary Boiler (excl. Fuel)	
	Misc. Items	
523	Electric Expense	
	Plant Labor Electric	100%
	Supplies & Expense	90%
	Lubricants & Generator Gas	
	Chlorine	
524	Misc. Nuclear Power Expense	
	Utility & Housecleaning	95%
	Plant Security	
	Computer Expenses	
528	Maint. Supv. & Engrg.	90%
529	Maintenance of Structures	100%
	Buildings & Structures	
	Building Service Equipment	
	Yards, Siding, Bulheads & Berms	
	Common Ventilation Equipment	
530	Maint. of Reactor Equipment	100%
	Common Fuel Handling Equipment	
	Common Radioactive Waste Systems	
	Computer Maintenance	
	Common Compressor & Nitrogen Equip.	
531	Maint. of Prime Movers & Generators	
	Cooling Towers	0%
	Diesels & Generators	100%
	Station Light & Pwr. Common Equip.	100%
532	Maint. of Misc. Nucl. Plant Equip.	
	Sewage Plant	100%
	Fire Equipment	
	Raw Water System	
	Health Physics - Material & Vendor	75%
	Health Physics - Labor	75%

Schedule 3

Development of Limerick O&M Costs
$1,000,000 in 1985$

Item	P. B. Costs	Factors	Lim. No. 1 Costs
Common Plant	$71.0	.802 x .884	$50.4
Unit Specific	$71.0	.198 x .5	7.0
Cost of Water	-	-	3.2
Total			$60.6

Total O&M (Non-Outage)

1985$		Inflation for 6 mo. of 1986	
$60.6	x	1/2 (1.064 + 1.03)	= $63.448

Inflation = 6.4%
Real Growth = 3%

Outage

$19.4 x 2/3 Outage/Year = $12.9 Normalized

$12.9 x 1.047 = $13.506

Schedule 4

Comparison of Power Production Expenses (Less Fuel) Future Test Year Vs. Next Four Years $1,000

Acct. No.	Future Test Year	1986	1987	1988	1989	Avg. 1986 to 1989
500	15,217	14,548	15,470	16,350	17,376	15,936
502	38,124	38,383	41,077	43,838	46,401	42,425
504 *	(7,634)	(7,833)	(8,327)	(9,011)	(9,761)	(8,733)
505	7,682	6,080	6,521	6,960	7,328	6,722
506	13,356	12,916	13,675	14,541	15,257	14,097
507	15,065	15,068	15,462	15,884	16,335	15,687
510	9,599	9,799	10,762	11,556	12,564	11,170
511	9,042	6,215	5,969	6,520	6,320	6,256
512	64,728	51,711	61,574	58,704	64,974	59,241
513	18,284	13,542	14,932	15,540	15,488	14,876
514	3,552	2,986	3,187	3,402	3,385	3,240
Sub-Total	187,015	163,415	180,302	184,284	195,667	180,917
Adj. D-10b	4,028	-	-			-
D-10c	(15,750)	-	-			-
D-11	(7,513)	-	-			-
Adj. Sub-Total	167,780	163,415	180,302	184,284	195,667	180,917
517	12,727	12,472	12,214	12,673	14,217	12,894
519	1,138	1,161	1,358	1,448	1,668	1,409
520	18,798	22,791	21,526	19,209	26,892	22,605
523	2,356	2,546	2,458	2,598	3,002	2,651
524	39,955	41,673	40,489	45,807	49,444	44,353
525	87	85	81	77	68	78
528	16,795	17,609	16,232	16,642	22,008	18,123
529	3,715	3,789	4,028	4,061	5,266	4,286
530	16,884	22,932	21,072	20,141	27,842	22,997
531	10,049	10,655	11,904	11,834	11,796	11,547
532	5,448	5,854	6,086	5,646	6,607	6,048
Sub-Total	127,952	141,567	137,448	140,136	168,810	146,991
Adj. D-10a	7,145	-	-	-	-	-
D-10c	(45)	-	-	-	-	-
Adj. Sub-Total	135,052	141,567	137,448	140,136	168,810	146,991

* Less Fuel

Schedule 4

Comparison of Power Production Expenses (Less Fuel) Future Test Year Vs. Next Four Years $1,000

Acct. No.	Future Test Year	1986	1987	1988	1989	Avg. 1986 to 1989
535	404	417	455	732	782	596
536	368	392	418	1,871	1,997	1,169
537	1,170	1,250	1,344	1,583	1,688	1,466
538	230	241	257	275	293	266
539	424	456	470	590	632	537
540	1	1	1	1	1	1
541	540	570	633	686	744	658
542	210	189	202	242	230	215
543	247	250	267	285	304	277
544	3,133	2,080	1,650	1,914	1,875	1,880
545	147	153	163	213	227	189
Sub-Total	6,874	5,999	5,850	8,392	8,773	7,254
546	1,029	1,032	1,053	1,109	1,189	1,096
548	1,327	1,089	1,032	1,106	1,170	1,099
549	1,479	1,510	1,580	1,687	1,793	1,643
550	1,140	-	-	-	-	
551	629	644	677	722	778	705
552	233	229	225	240	254	237
553	6,221	4,222	4,231	4,241	4,370	4,266
554	102	102	107	115	122	111
Sub-Total	12,160	8,828	8,905	9,220	9,676	9,157
Adj. D-11	(3,043)	-	-	-	-	
Adj. Sub-Total	9,117	8,828	8,905	9,220	9,676	9,157
556	6,022	6,256	6,736	7,312	7,919	7,056
557 *	30	29	31	33	35	32
Sub-Total	6,052	6,285	6,767	7,345	7,954	7,088
Total Pwr. Prod	324,875	326,097	339,272	349,377	390,880	351,407

* Less Fuel

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Q.DR-Staff-RBC-3. For the following taxes identify how PECo computed the actual estimated tax prepayments made or expected future payments due prior to final settlement for the tax years ending in 1984, 1985, and anticipated for 1986. Also include the actual amount of the Electric Division portion of the actual payments made for:

Federal Income Tax
PA Gross Receipts Tax
PA Public Utility Realty Tax
PA Capital Stock Tax
PA Corporate Net Income Tax

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A.DR-Staff-RBC-3. The requested information is provided in Attachment DR-Staff-RBC-3.

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Responsible Witness: G.A. Sileo, Manager - Taxes Division

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	Total Tax Payments for Tax Year ($1,000's)		
	1984	1985	1986
Federal Income Tax-90% payment made in quarterly installments with remainder paid on March 15 of the following year	10,114 (a)	7,424 (a)	0 (a)
Electric Portion	62,202	98,454	83,339
Pa.Gross Receipts Tax-90% payment made April 15 of current year with remainder paid on April 15 of the following year	121,871	129,308	126,056
Electric Portion	101,465	109,948	105,966
Pa.Public Utility Realty Tax-90% payment made in quarterly installments with the remainder paid on April 15 of the following year	49,836	29,950	29,128
Electric Portion	49,380	29,749	28,928
Pa.Capital Stock Tax - 90% payment (changes to 85% in 1986) made April 15 of current year with remainder paid on April 15 of the following year	23,494	26,043	28,466
Electric Portion	22,263	24,611	26,974
Pa.Corporate Net Income Tax - 90% payment made in quarterly installments with remainder paid on April 15 of the following year	0 (a)(b)	17,254 (a)	0 (a)
Electric Portion	25,974	35,805	17,304

(a) Reflects CWIP interest deduction
(b) Reflects loss carryover from 1983

Q. IR-OCA-2-30. Please provide the Investment Tax Credits utilized in the past ten (10) years, i.e., the ITC amounts actually taken on the Company's federal tax return for these years.

A. IR-OCA-2-30. Total ITC's for all operations actual utilized on the Company's tax returns for the last 10 years were as follows:

1975	$10,037,360	1980	$0
1976	40,159,439	1981	34,913,722
1977	25,492,323	1982	99,493,022
1978	21,340,431	1983	0
1979	377,086	1984	47,268,908

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Responsible Witness: G.A. Sileo, Manager - Taxes Division

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Q. IR-0CA-2-31. Please provide the amounts of unused Investment Tax Credits, i.e. ITC maximum limitation less the amount of ITC utilized, for the past ten (10) years.

A. IR-0CA-2-31. Total unused ITC's for the last 10 years were as follows:

1975	0	1980	$75,844,752
1976	0	1981	99,326,103
1977	0	1982	77,287,975
1978	0	1983	150,169,460
1979	37,464,340	1984	169,914,373

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Responsible Witness: G.A. Sileo, Manager - Taxes Division

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Q. IR-OCA-2-32. Please provide the investment tax credits carried forward from each of the last ten years.

A. IR-OCA-2-32. The total ITC carryforwards for the last 10 years as of 12/31/84 are as follows:

1982	$30,019,067
1983	72,881,485
1984	67,013,821
	$169,914,373

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Responsible Witness: G.A. Sileo, Manager - Taxes Division

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Staff Exhibit 6

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DR-Staff-REO-1

Q.DR-Staff-REO-1. Provide the complete output from the production cost simulations for the 12-month periods ending 6/30/86 and 6/30/87 which support the claimed fuel savings level for the two-year period.

A.DR-Staff-REO-1. As stated in Exhibit TPH-2, Page D-21a, the ProdCost simulation covered the period from 7/1/86 to 6/30/88. Therefore, the output for the 12-month periods ending 6/30/87 and 6/30/88 are provided as Attachment DR-Staff-REO-1.

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Responsible Witness: J. J. Carroll, Staff Engineer, Services Division

LIMERICK1 IN 7/1/86 - 6/30/88

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ELECTRIC GENERATION AND FUEL COST ESTIMATES

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
MWH						
OIL-PE STH.	197,000	219,000	218,000	304,000	295,000	149,000
COAL-PE STH.	297,000	324,000	178,000	197,000	177,000	226,000
COAL-MINEMTH	370,000	373,000	319,000	334,000	343,000	356,000
INT.COMB.	11,350	12,660	5,250	12,020	12,080	5,890
TOTAL FOSSIL	875,350	928,660	720,250	847,020	827,080	736,890
MWH NUCLEAR	1,682,183	1,588,536	1,464,924	1,219,337	991,067	1,202,513
NET HYDRO	24,000	(4,000)	8,000	60,000	79,000	146,000
OTHER	0	0	0	0	0	0
RECEIVED PJM	248,000	255,000	235,000	194,000	353,000	384,000
DELIV'D PJM	(173,000)	(170,000)	(156,000)	(187,000)	(96,000)	(64,000)
STEAM-HT PP	1,100	3,300	3,100	8,500	15,500	18,700
ME,PPL & OPL	16	16	16	16	16	16
2PARTY TRANS	204,000	201,000	188,000	209,000	217,000	197,000
INTCH & PUR	280,116	289,316	270,116	224,516	489,516	535,716
TOTAL OUTPUT	2,861,649	2,802,512	2,463,290	2,350,873	2,386,663	2,621,119
$						
OIL-PE STM	10,268,000	11,228,000	11,325,000	15,781,000	15,239,000	8,095,000
COAL-PE STM	6,228,000	6,774,000	3,745,000	4,180,000	3,754,000	4,810,000
MINEMOUTH	5,012,000	5,006,000	4,317,000	4,622,000	4,700,000	4,888,000
INT.COMB	726,900	811,800	339,100	769,700	780,200	373,200
TOTAL FOSSIL	22,234,900	23,819,800	19,726,100	25,352,700	24,473,200	18,166,200
(NUCLEAR EXCLUDING INTEREST, BUT INCLUDING OIL)						
NUCLEAR.	12,075,248	11,402,047	10,511,667	8,924,026	7,379,309	8,992,297
OTHER	2,333,000	0	0	0	0	0
RECEIVED PJM	6,699,000	8,089,000	7,548,000	7,021,000	12,394,000	12,440,000
DELIV'D PJM	(7,499,000)	(6,716,000)	(6,713,000)	(9,662,000)	(5,080,000)	(2,960,000)
STEAM-HT PP	36,000	113,000	109,000	341,000	620,000	647,000
ME,PPL & DPL	1,196	1,196	1,196	1,196	1,196	1,196
2PARTY TRANS	6,122,000	6,012,000	5,633,000	6,388,000	6,615,000	6,008,000
INTCH & PUR	5,359,196	7,499,196	6,578,196	4,089,196	14,558,196	16,136,196
INFORMATION FOR RATE DIVISION ($'S EXCLUDE FUEL HANDLING)						
$-FIN.CHGS	42,002,344	42,721,043	36,815,963	38,365,922	46,410,705	43,294,693
FIN.CHGS	1,808,091	1,755,094	1,701,245	1,649,097	1,614,070	1,798,141
$&FIN.CHGS	43,810,435	44,476,137	38,517,208	40,015,019	48,024,775	45,092,834
(GAS $ INCLUDED IN COAL-PE STM)						
TOTAL GAS	726,000	781,000	377,000	366,000	121,000	0
INFORMATION FOR GEN. ACC. BUDGET GRP. (TOTAL FUEL HAND. $)						
FUEL HANDL'G	839,735	831,978	812,520	816,886	810,367	810,703

DR-STAFF-REQ-1
ATTACHMENT
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LIMERICK1 IN 7/1/86 - 6/30/88

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ELECTRIC GENERATION AND FUEL COST ESTIMATES

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
MWH							
OIL-PE STM.	165,000	59,000	63,000	82,000	107,000	120,000	1,978,000
COAL-PE STM.	333,000	248,000	272,000	150,000	143,000	249,000	2,794,000
COAL-MINEMTH	292,000	289,000	363,000	273,000	283,000	346,000	3,941,000
INT.COMB.	10,010	730	3,020	360	1,540	980	75,890
TOTAL FOSSIL	800,010	596,730	701,020	505,360	534,540	715,980	8,788,890
MWH NUCLEAR	1,742,964	1,459,933	1,058,092	955,060	749,537	1,442,194	15,556,340
NET HYDRO	99,000	125,000	199,000	220,000	164,000	64,000	1,184,000
OTHER	0	0	0	0	0	0	0
RECEIVED PJM	137,000	200,000	367,000	468,000	734,000	218,000	3,793,000
DELIV'D PJM	(225,000)	(146,000)	(28,000)	(31,000)	(4,000)	(180,000)	(1,460,000)
STEAM-HT PP	25,100	15,900	12,500	5,100	2,300	2,500	113,600
ME,PPL & DPL	16	16	16	16	16	16	192
2PARTY TRANS	223,000	191,000	190,000	166,000	166,000	182,000	2,334,000
INTCH & PUR	160,116	260,916	541,516	608,116	898,316	222,516	4,780,792
TOTAL OUTPUT	2,802,090	2,442,579	2,499,628	2,288,536	2,346,393	2,444,690	30,310,022
$							
OIL-PE STM	9,377,000	3,817,000	4,028,000	4,855,000	6,139,000	6,801,000	106,953,000
COAL-PE STM	7,179,000	5,395,000	5,967,000	3,298,000	3,156,000	5,500,000	59,986,000
MINEMOUTH	4,035,000	3,965,000	5,051,000	3,954,000	4,066,000	4,866,000	54,482,000
INT.COMB	685,000	55,300	226,700	23,900	99,300	59,900	4,951,000
TOTAL FOSSIL	21,276,000	13,232,300	15,272,700	12,130,900	13,460,300	17,226,900	226,372,000
(NUCLEAR EXCLUDING INTEREST, BUT INCLUDING OIL)							
NUCLEAR.	12,921,281	10,794,411	7,699,465	7,020,749	5,545,407	9,472,150	112,738,057
OTHER	0	0	0	0	0	0	2,333,000
RECEIVED PJM	4,972,000	6,155,000	10,743,000	14,826,000	22,579,000	6,287,000	119,753,000
DELIV'D PJM	(10,982,000)	(6,286,000)	(1,269,000)	(1,343,000)	(246,000)	(7,292,000)	(66,048,000)
STEAM-HT PP	986,000	548,000	396,000	166,000	72,000	82,000	4,124,000
ME,PPL & DPL	1,280	1,280	1,280	1,280	1,280	1,280	14,856
2PARTY TRANS	6,931,000	5,919,000	5,918,000	5,220,000	5,219,000	5,712,000	71,697,000
INTCH & PUR	1,908,280	6,337,280	15,789,280	18,870,280	27,625,280	4,790,280	129,540,856
INFORMATION FOR RATE DIVISION ($'S EXCLUDE FUEL HANDLING)							
$-FIN.CHGS	36,105,561	30,363,991	38,761,445	38,021,929	46,630,987	31,489,330	470,983,913
FIN.CHGS	2,181,670	2,103,042	2,024,412	1,945,783	1,884,069	1,822,354	22,287,068
$&FIN.CHGS	38,287,231	32,467,033	40,785,857	39,967,712	48,515,056	33,311,684	493,270,981
(GAS $ INCLUDED IN COAL-PE STM)							
TOTAL GAS	0	0	44,000	395,000	370,000	638,000	3,818,000
INFORMATION FOR GEN. ACC. BUDGET GRP. (TOTAL FUEL HAND. $)							
FUEL HANDL'G	0	0	0	0	0	0	4,922,189

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ELECTRIC GENERATION AND FUEL COST ESTIMATES

	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
MWH						
OIL-PE STM.	171,000	193,000	141,000	103,000	136,000	173,000
COAL-PE STM.	281,000	242,000	188,000	156,000	168,000	228,000
COAL-MINEMTH	305,000	316,000	331,000	303,000	349,000	366,000
INT.COMB.	5,880	5,920	8,720	5,120	2,910	6,220
TOTAL FOSSIL	762,880	756,920	668,720	567,120	655,910	773,220
MWH NUCLEAR	1,536,690	1,402,728	1,172,583	1,067,858	911,743	1,260,083
NET HYDRO	23,000	(11,000)	10,000	38,000	76,000	139,000
OTHER	0	0	0	0	0	0
RECEIVED PJM	391,000	489,000	423,000	525,000	465,000	319,000
DELIV'D PJM	(65,000)	(68,000)	(23,000)	(19,000)	(27,000)	(135,000)
STEAM-HT PP	1,900	3,000	3,300	5,700	12,400	17,200
ME,PPL & OPL	16	16	16	16	16	16
2PARTY TRANS	202,000	194,000	180,000	197,000	208,000	212,000
INTCH & PUR	529,916	618,016	583,316	708,716	658,416	413,216
TOTAL OUTPUT	2,852,486	2,766,664	2,434,619	2,381,694	2,302,069	2,585,519
$						
OIL-PE STM	9,728,000	10,775,000	7,999,000	6,294,000	7,995,000	10,017,000
COAL-PE STM	6,296,000	5,458,000	4,171,000	3,569,000	3,848,000	5,177,000
MINEMOUTH	4,410,000	4,513,000	4,798,000	4,492,000	5,113,000	5,364,000
INT.COMB	432,100	430,300	621,400	352,000	216,000	452,300
TOTAL FOSSIL	20,866,100	21,176,300	17,589,400	14,707,000	17,172,000	21,010,300
(NUCLEAR EXCLUDING INTEREST, BUT INCLUDING OIL)						
NUCLEAR.	10,043,236	9,200,725	7,426,442	6,888,501	5,844,838	8,412,493
OTHER	0	0	0	0	0	0
RECEIVED PJM	12,774,000	17,108,000	14,896,000	19,005,000	16,344,000	11,752,000
DELIV'D PJM	(3,272,000)	(2,955,000)	(1,102,000)	(999,000)	(1,526,000)	(6,850,000)
STEAM-HT PP	64,000	103,000	116,000	205,000	466,000	682,000
ME,PPL & OPL	1,280	1,280	1,280	1,280	1,280	1,280
2PARTY TRANS	6,490,000	6,211,000	5,794,000	6,425,000	6,810,000	6,932,000
INTCH & PUR	16,057,280	20,468,280	19,705,280	24,637,280	22,095,280	12,517,280
INFORMATION FOR RATE DIVISION ($'S EXCLUDE FUEL HANDLING)						
$-FIN.CHGS	46,966,616	50,845,305	44,721,122	46,232,781	45,112,118	41,940,073
FIN.CHGS	1,760,638	1,717,037	1,673,434	2,128,393	2,062,151	1,995,907
$&FIN.CHGS	48,727,254	52,562,342	46,394,556	48,361,174	47,174,269	43,935,980
(GAS $ INCLUDED IN COAL-PE STM)						
TOTAL GAS	698,000	608,000	422,000	111,000	0	0
INFORMATION FOR GEN. ACC. BUDGET GRP. (TOTAL FUEL HAND. $)						
FUEL HANDL'G	0	0	0	0	0	10,585,211

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ELECTRIC GENERATION AND FUEL COST ESTIMATES

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
MWH							
OIL-PE STM.	310,000	117,000	219,000	137,000	63,000	136,000	1,899,000
COAL-PE STM.	346,000	287,000	257,000	202,000	271,000	278,000	2,904,000
COAL-MINEMTH	269,000	311,000	371,000	284,000	287,000	346,000	3,838,000
INT.COMB.	30,910	1,340	5,830	10	240	2,800	75,900
TOTAL FOSSIL	955,910	716,340	852,830	623,010	621,240	762,800	8,716,900
MWH NUCLEAR	1,692,238	1,587,044	1,368,050	1,253,421	1,200,972	1,196,851	15,650,261
NET HYDRO	86,000	139,000	216,000	205,000	149,000	58,000	1,128,000
OTHER	0	0	0	0	0	0	0
RECEIVED PJM	101,000	106,000	157,000	161,000	288,000	323,000	3,748,000
DELIV'D PJM	(253,000)	(288,000)	(284,000)	(168,000)	(106,000)	(81,000)	(1,517,000)
STEAM-HT PP	23,500	18,300	18,300	5,700	1,400	2,400	113,100
ME,PPL & DPL	16	16	16	16	16	16	192
2PARTY TRANS	220,000	203,000	208,000	199,000	210,000	201,000	2,434,000
INTCH & PUR	91,516	39,316	99,316	197,716	393,416	445,416	4,778,292
TOTAL OUTPUT	2,825,664	2,481,700	2,536,196	2,279,147	2,364,628	2,463,067	30,273,453
$							
OIL-PE STM	18,079,000	7,681,000	12,833,000	8,233,000	4,331,000	8,378,000	112,343,000
COAL-PE STM	8,088,000	6,707,000	6,023,000	4,818,000	6,419,000	6,582,000	67,156,000
MINEMOUTH	4,009,000	4,688,000	5,603,000	4,395,000	4,433,000	5,273,000	57,091,000
INT.COMB	2,330,200	94,000	428,000	400	17,000	221,400	5,595,100
TOTAL FOSSIL	32,506,200	19,170,000	24,887,000	17,446,400	15,200,000	20,454,400	242,185,100
(NUCLEAR EXCLUDING INTEREST, BUT INCLUDING OIL)							
NUCLEAR.	11,273,959	10,779,067	9,543,846	8,179,332	7,853,078	7,779,424	103,224,941
OTHER	0	0	0	0	0	0	0
RECEIVED PJM	4,415,000	4,348,000	6,141,000	5,675,000	9,296,000	11,167,000	132,921,000
DELIV'D PJM	(15,777,000)	(13,529,000)	(11,918,000)	(6,905,000)	(4,510,000)	(3,720,000)	(73,063,000)
STEAM-HT PP	1,135,000	748,000	744,000	211,000	50,000	90,000	4,614,000
ME,PPL & DPL	1,369	1,369	1,369	1,369	1,369	1,369	15,894
2PARTY TRANS	7,380,000	6,818,000	6,987,000	6,743,000	7,097,000	6,838,000	80,525,000
INTCH & PUR	(2,845,631)	(1,613,631)	1,955,369	5,725,369	11,934,369	14,376,369	145,012,894
INFORMATION FOR RATE DIVISION ($'S EXCLUDE FUEL HANDLING)							
$-FIN.CHGS	40,934,528	28,335,436	36,386,215	31,351,101	34,987,447	42,610,193	490,422,935
FIN.CHGS	2,293,353	2,204,851	2,136,455	2,068,061	2,023,160	1,978,260	24,041,700
$&FIN.CHGS	43,227,881	30,540,287	38,522,670	33,419,162	37,010,607	44,588,453	514,464,635
(GAS $ INCLUDED IN COAL-PE STM)							
TOTAL GAS	0	0	0	0	556,000	717,000	3,112,000
INFORMATION FOR GEN. ACC. BUDGET GRP. (TOTAL FUEL HAND. $)							
FUEL HANDL'G	0	0	0	0	0	0	10,585,211

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STATEMENT OF OPERATIONS - ELECTRIC PRODUCTION 2 OF 5

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
OPERATING STATISTICS - MWH OUTPUT (CONTINUED)						
INTERCHANGE & PURCHASE						
INTERCHANGE POWER						
RECEIVED PJM	248,000	255,000	235,000	194,000	353,000	384,000
DELIV'D PJM	(173,000)	(170,000)	(156,000)	(187,000)	(96,000)	(64,000)
NET INTCH	75,000	85,000	79,000	7,000	257,000	320,000
PURCHASED POWER						
PUR POWER	1,116	3,316	3,116	8,516	15,516	18,716
THD PARTY TRANSACTIONS						
ALLGH'Y PWR	204,000	201,000	188,000	209,000	217,000	197,000
CENTL WDS'N	0	0	0	0	0	0
TOTAL INTERCHANGE & PURCHASE						
INTCH & PUR	280,116	289,316	270,116	224,516	489,516	535,716
HYDRO						
HYDRO-RIVER FLOW GENERATION						
CONOWINGO	77,000	53,000	54,000	91,000	122,000	183,000
PUMP STORAGE GENERATION						
MUDDY RUN	131,000	105,000	100,000	81,000	73,000	99,000
PUMP STORAGE INPUT						
M R INPUT	(184,000)	(182,000)	(146,000)	(112,000)	(116,000)	(136,000)
NET HYDRO	24,000	(4,000)	8,000	60,000	79,000	146,000
OTHER PRODUCTION (PRECOMMERCIAL)						
OTHER	0	0	0	0	0	0
(NOTE: SALEM 2 MWH SOLD TO GPU INCLUDED IN TOTAL.OUTPUT)						
TOTAL.OUTPUT	2,861,649	2,802,512	2,463,290	2,350,873	2,386,663	2,621,119
SALES	2,531,700	2,573,200	2,481,800	2,210,400	2,138,800	2,394,200
COMPANY USE	2,723	2,635	2,926	2,323	3,324	4,231
(NOTE: SALEM 2 MWH SOLD TO GPU EXCLUDED IN "LOSS" CALCULATIONS)						
LOSSES	327,226	226,677	(21,436)	138,150	244,539	222,688
%LOSS-OUTPUT	11.43	8.09	(0.87)	5.88	10.25	8.50

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STATEMENT OF OPERATIONS - ELECTRIC PRODUCTION 2 OF 5

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
OPERATING STATISTICS - MWH OUTPUT (CONTINUED)							
INTERCHANGE & PURCHASE							
INTERCHANGE POWER							
RECEIVED PJM	137,000	200,000	367,000	468,000	734,000	218,000	3,793,000
DELIV'D PJM	(225,000)	(146,000)	(28,000)	(31,000)	(4,000)	(180,000)	(1,460,000)
NET INTCH	(88,000)	54,000	339,000	437,000	730,000	38,000	2,333,000
PURCHASED POWER							
PUR POWER	25,116	15,916	12,516	5,116	2,316	2,516	113,792
TWO PARTY TRANSACTIONS							
ALLGH'Y PWR	223,000	191,000	190,000	166,000	166,000	182,000	2,334,000
CENTL HDS'N	0	0	0	0	0	0	0
TOTAL INTERCHANGE & PURCHASE							
INTCH & PUR	160,116	260,916	541,516	608,116	898,316	222,516	4,780,792
HYDRO							
HYDRO-RIVER FLOW GENERATION							
CONOWINGO	142,000	172,000	251,000	262,000	213,000	119,000	1,739,000
PUMP STORAGE GENERATION							
MUDDY RUN	97,000	102,000	105,000	95,000	92,000	120,000	1,200,000
PUMP STORAGE INPUT							
M R INPUT	(140,000)	(149,000)	(157,000)	(137,000)	(141,000)	(175,000)	(1,755,000)
NET HYDRO	99,000	125,000	199,000	220,000	164,000	64,000	1,184,000
OTHER PRODUCTION (PRECOMMERCIAL)							
OTHER	0	0	0	0	0	0	0
(NOTE: SALEM 2 MWH SOLD TO GPU INCLUDED IN TOTAL.OUTPUT)							
TOTAL.OUTPUT	2,802,090	2,442,579	2,499,628	2,288,536	2,346,393	2,444,690	30,310,022
SALES	2,585,000	2,461,000	2,331,000	2,243,000	2,069,000	2,240,000	28,259,100
COMPANY USE	4,950	5,153	5,464	4,640	3,423	2,723	44,515
(NOTE: SALEM 2 MWH SOLD TO GPU EXCLUDED IN "LOSS" CALCULATIONS)							
LOSSES	212,140	(23,574)	163,164	40,896	273,970	201,967	2,006,407
%LOSS-OUTPUT	7.57	(0.97)	6.53	1.79	11.68	8.26	6.62

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	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
OPERATING STATISTICS - MWH OUTPUT (CONTINUED)						
INTERCHANGE & PURCHASE						
INTERCHANGE POWER						
RECEIVED PJM	391,000	489,000	423,000	525,000	465,000	319,000
DELIV'D PJM	(65,000)	(68,000)	(23,000)	(19,000)	(27,000)	(135,000)
NET INTCH	326,000	421,000	400,000	506,000	438,000	184,000
PURCHASED POWER						
PUR POWER	1,916	3,016	3,316	5,716	12,416	17,216
TWO PARTY TRANSACTIONS						
ALLGH'Y PWR	202,000	194,000	180,000	197,000	208,000	212,000
CENTL IIDS'N	0	0	0	0	0	0
TOTAL INTERCHANGE & PURCHASE						
INTCH & PUR	529,916	618,016	583,316	708,716	658,416	413,216
HYDRO						
HYDRO-RIVER FLOW GENERATION						
CONOWINGO	74,000	53,000	53,000	87,000	126,000	177,000
PUMP STORAGE GENERATION						
MUDDY RUN	131,000	109,000	101,000	112,000	91,000	106,000
PUMP STORAGE INPUT						
M R INPUT	(182,000)	(173,000)	(144,000)	(161,000)	(141,000)	(144,000)
NET HYDRO	23,000	(11,000)	10,000	38,000	76,000	139,000
OTHER PRODUCTION (PRECOMMERCIAL)						
OTHER	0	0	0	0	0	0
(NOTE: SALEM 2 MWH SOLD TO GPU INCLUDED IN TOTAL.OUTPUT)						
TOTAL.OUTPUT	2,852,486	2,766,664	2,434,619	2,381,694	2,302,069	2,505,519
SALES	2,543,000	2,584,000	2,495,000	2,223,000	2,150,000	2,405,000
COMPANY USE	2,723	2,635	2,926	2,323	3,324	4,231
(NOTE: SALEM 2 MWH SOLD TO GPU EXCLUDED IN "LOSS" CALCULATIONS)						
LOSSES	306,763	180,029	(63,307)	156,371	148,745	176,288
%LOSS-OUTPUT	10.75	6.51	(2.60)	6.57	6.46	6.82

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STATEMENT OF OPERATIONS - ELECTRIC PRODUCTION 2 OF 5

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
OPERATING STATISTICS - MWH OUTPUT (CONTINUED)							
INTERCHANGE & PURCHASE							
INTERCHANGE POWER							
RECEIVED PJM	101,000	106,000	157,000	161,000	288,000	323,000	3,748,000
DELIV'D PJM	(253,000)	(288,000)	(284,000)	(168,000)	(106,000)	(81,000)	(1,517,000)
NET INTCH	(152,000)	(182,000)	(127,000)	(7,000)	182,000	242,000	2,231,000
PURCHASED POWER							
PUR POWER	23,516	18,316	18,316	5,716	1,416	2,416	113,292
THD PARTY TRANSACTIONS							
ALLGH'Y PWR	220,000	203,000	208,000	199,000	210,000	201,000	2,434,000
CENTL HDS'N	0	0	0	0	0	0	0
TOTAL INTERCHANGE & PURCHASE							
INTCH & PUR	91,516	39,316	99,316	197,716	393,416	445,416	4,778,292
HYDRO							
HYDRO-RIVER FLOW GENERATION							
CONOWINGO	136,000	180,000	259,000	259,000	213,000	107,000	1,724,000
PUMP STORAGE GENERATION							
MUDDY RUN	86,000	104,000	106,000	103,000	127,000	120,000	1,296,000
PUMP STORAGE INPUT							
M R INPUT	(136,000)	(145,000)	(149,000)	(157,000)	(191,000)	(169,000)	(1,892,000)
NET HYDRO	86,000	139,000	216,000	205,000	149,000	58,000	1,128,000
OTHER PRODUCTION (PRECOMMERCIAL)							
OTHER	0	0	0	0	0	0	0
(NOTE: SALEM 2 MWH SOLD TO GPU INCLUDED IN TOTAL.OUTPUT)							
TOTAL.OUTPUT	2,825,664	2,481,700	2,536,196	2,279,147	2,364,628	2,463,067	30,273,453
SALES	2,596,000	2,472,000	2,340,000	2,253,000	2,077,000	2,250,000	28,388,000
COMPANY USE	4,950	5,153	5,464	4,640	3,423	2,723	44,515
(NOTE: SALEM 2 MWH SOLD TO GPU EXCLUDED IN "LOSS" CALCULATIONS)							
LOSSES	224,714	4,547	190,732	21,507	284,205	210,344	1,840,938
%LOSS-OUTPUT	7.95	0.18	7.52	0.94	12.02	8.54	6.08

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MMH DISTRIBUTION 1 OF 4

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
OIL						
PE REHEAT OIL						
SCHUYLKILL#1	27,000	37,000	27,000	19,000	40,000	21,000
EDDYSTONE#3	37,000	42,000	48,000	69,000	58,000	22,000
EDDYSTONE#4	39,000	36,000	36,000	66,000	63,000	24,000
CROMBY#2	52,000	59,000	55,000	75,000	80,000	53,000
DELAWARE#7	16,000	21,000	26,000	35,000	36,000	15,000
DELAWARE#8	18,000	18,000	22,000	35,000	9,000	14,000
MMH R H OIL	189,000	213,000	214,000	299,000	286,000	149,000
PE MARGINAL OIL						
RICHMOND#9	0	0	0	0	0	0
SOUTHWARK#1	4,000	4,000	2,000	3,000	5,000	0
SOUTHWARK#2	4,000	2,000	2,000	2,000	4,000	0
MMH MARG OIL	8,000	6,000	4,000	5,000	9,000	0
REHEAT & MARGINAL OIL						
MMH OIL	197,000	219,000	218,000	304,000	295,000	149,000
PE COAL						
EDDYSTONE#1	118,000	120,000	112,000	123,000	114,000	117,000
EDDYSTONE#2	127,000	143,000	15,000	0	0	58,000
CROMBY#1	52,000	61,000	51,000	74,000	63,000	51,000
MMH COAL	297,000	324,000	178,000	197,000	177,000	226,000
PHILA. AREA OIL AND COAL.						
PHILA STEAM	494,000	543,000	396,000	501,000	472,000	375,000
MEMO - STATION TOTALS						
EDDYSTONE	321,000	341,000	211,000	258,000	235,000	221,000
CROMBY	104,000	120,000	106,000	149,000	143,000	104,000
DELAWARE7&8	34,000	39,000	48,000	70,000	45,000	29,000
SOUTHWARK1&2	8,000	6,000	4,000	5,000	9,000	0

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MWH DISTRIBUTION 1 OF 4

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
OIL							
PE REHEAT OIL							
SCHUYLKILL#1	29,000	15,000	7,000	11,000	18,000	15,000	266,000
EDDYSTONE#3	31,000	2,000	14,000	9,000	15,000	17,000	364,000
EDDYSTONE#4	28,000	8,000	0	9,000	13,000	14,000	336,000
CROMBY#2	35,000	11,000	30,000	36,000	43,000	48,000	577,000
DELAWARE#7	22,000	11,000	8,000	9,000	8,000	16,000	223,000
DELAWARE#8	20,000	12,000	4,000	8,000	10,000	10,000	180,000
MWH R H OIL	165,000	59,000	63,000	82,000	107,000	120,000	1,946,000
PE MARGINAL OIL							
RICHMOND#9	0	0	0	0	0	0	0
SOUTHWARK#1	0	0	0	0	0	0	18,000
SOUTHWARK#2	0	0	0	0	0	0	14,000
MWH MARG OIL	0	0	0	0	0	0	32,000
REHEAT & MARGINAL OIL							
MWH OIL	165,000	59,000	63,000	82,000	107,000	120,000	1,978,000
PE COAL							
EDDYSTONE#1	124,000	106,000	116,000	20,000	0	88,000	1,158,000
EDDYSTONE#2	141,000	101,000	122,000	108,000	120,000	118,000	1,053,000
CROMBY#1	68,000	41,000	34,000	22,000	23,000	43,000	583,000
MWH COAL	333,000	248,000	272,000	150,000	143,000	249,000	2,794,000
PHILA. AREA OIL AND COAL.							
PHILA STEAM	498,000	307,000	335,000	232,000	250,000	369,000	4,772,000
MEMO - STATION TOTALS							
EDDYSTONE	324,000	217,000	252,000	146,000	148,000	237,000	2,911,000
CROMBY	103,000	52,000	64,000	58,000	66,000	91,000	1,160,000
DELAWARE7&8	42,000	23,000	12,000	17,000	18,000	26,000	403,000
SOUTHWARK1&2	0	0	0	0	0	0	32,000

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MMH DISTRIBUTION 1 OF 4

	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
OIL						
PE REHEAT OIL						
SCHUYLKILL#1	26,000	33,000	15,000	9,000	20,000	26,000
EDDYSTONE#3	26,000	37,000	27,000	13,000	20,000	29,000
EDDYSTONE#4	40,000	34,000	31,000	14,000	15,000	34,000
CROMBY#2	46,000	51,000	44,000	49,000	54,000	51,000
DELAWARE#7	17,000	19,000	11,000	13,000	13,000	14,000
DELAWARE#8	16,000	19,000	13,000	5,000	14,000	19,000
MMH R H OIL	171,000	193,000	141,000	103,000	136,000	173,000
PE MARGINAL OIL						
RICHMOND#9	0	0	0	0	0	0
SOUTHWARK#1	0	0	0	0	0	0
SOUTHWARK#2	0	0	0	0	0	0
MMH MARG OIL	0	0	0	0	0	0
REHEAT & MARGINAL OIL						
MMH OIL	171,000	193,000	141,000	103,000	136,000	173,000
PE COAL						
EDDYSTONE#1	100,000	96,000	137,000	97,000	106,000	120,000
EDDYSTONE#2	126,000	101,000	0	0	0	43,000
CROMBY#1	55,000	45,000	51,000	59,000	62,000	65,000
MMH COAL	281,000	242,000	188,000	156,000	168,000	228,000
PHILA. AREA OIL AND COAL.						
PHILA STEAM	452,000	435,000	329,000	259,000	304,000	401,000
MEMO - STATION TOTALS						
EDDYSTONE	292,000	268,000	195,000	124,000	141,000	226,000
CROMBY	101,000	96,000	95,000	108,000	116,000	116,000
DELAWARE7&8	33,000	38,000	24,000	18,000	27,000	33,000
SOUTHWARK1&2	0	0	0	0	0	0

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MWH DISTRIBUTION 1 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
OIL							
PE REHEAT OIL							
SCHUYLKILL#1	54,000	26,000	33,000	22,000	13,000	22,000	299,000
EDDYSTONE#3	60,000	20,000	39,000	20,000	4,000	22,000	317,000
EDDYSTONE#4	68,000	24,000	42,000	17,000	0	22,000	341,000
CROMBY#2	63,000	13,000	64,000	52,000	37,000	40,000	564,000
DELAWARE#7	33,000	19,000	22,000	10,000	4,000	15,000	190,000
DELAWARE#8	32,000	15,000	19,000	16,000	5,000	15,000	186,000
MWH R H OIL	310,000	117,000	219,000	137,000	63,000	136,000	1,899,000
PE MARGINAL OIL							
RICHMOND#9	0	0	0	0	0	0	0
SOUTHWARK#1	0	0	0	0	0	0	0
SOUTHWARK#2	0	0	0	0	0	0	0
MWH MARG OIL	0	0	0	0	0	0	0
REHEAT & MARGINAL OIL							
MWH OIL	310,000	117,000	219,000	137,000	63,000	136,000	1,899,000
PE COAL							
EDDYSTONE#1	130,000	106,000	127,000	88,000	116,000	109,000	1,332,000
EDDYSTONE#2	147,000	111,000	119,000	114,000	118,000	114,000	993,000
CROMBY#1	69,000	70,000	11,000	0	37,000	55,000	579,000
MWH COAL	346,000	287,000	257,000	202,000	271,000	278,000	2,904,000
PHILA. AREA OIL AND COAL.							
PHILA STEAM	656,000	404,000	476,000	339,000	334,000	414,000	4,803,000
MEMO - STATION TOTALS							
EDDYSTONE	405,000	261,000	327,000	239,000	238,000	267,000	2,983,000
CROMBY	132,000	83,000	75,000	52,000	74,000	95,000	1,143,000
DELAWARE7&8	65,000	34,000	41,000	26,000	9,000	30,000	378,000
SOUTHWARK1&2	0	0	0	0	0	0	0

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MWH DISTRIBUTION 2 OF 4

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
MINEMOUTH (PE SHARE)						
KEYSTONE#1	83,000	95,000	44,000	52,000	96,000	91,000
KEYSTONE#2	91,000	99,000	98,000	97,000	78,000	93,000
KEYSTONE STA	174,000	194,000	142,000	149,000	174,000	184,000
CONEMAUGH#1	95,000	99,000	85,000	87,000	89,000	90,000
CONEMAUGH#2	101,000	80,000	92,000	98,000	80,000	82,000
CONEMAUGHSTA	196,000	179,000	177,000	185,000	169,000	172,000
MINEMOUTH	370,000	373,000	319,000	334,000	343,000	356,000
PHILA. AREA OIL & COAL, AND MINEMOUTH COAL.						
FOSSIL STEAM	864,000	916,000	715,000	835,000	815,000	731,000
NUCLEAR (PE SHARE)						
PEACH BOT#2	277,766	279,553	294,736	111,642	0	0
PEACH BOT#3	274,417	262,983	254,188	279,695	255,067	244,513
PCH BOT STA	552,183	542,536	548,924	391,337	255,067	244,513
SALEM#1	295,000	275,000	289,000	292,000	255,000	276,000
SALEM#2	305,000	250,000	78,000	0	0	173,000
SALEM STA	600,000	525,000	367,000	292,000	255,000	449,000
LIM1	530,000	521,000	549,000	536,000	481,000	509,000
LIM2	0	0	0	0	0	0
LIM STA	530,000	521,000	549,000	536,000	481,000	509,000
MWH NUCLEAR	1,682,183	1,588,536	1,464,924	1,219,337	991,067	1,202,513
OTHER (PRECOMMERCIAL)						
LIMERICK 1	0	0	0	0	0	0
LIMERICK 2	0	0	0	0	0	0
OTHER	0	0	0	0	0	0

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MMH DISTRIBUTION 2 OF 4

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
MINEMOUTH (PE SHARE)							
KEYSTONE#1	89,000	88,000	91,000	75,000	77,000	84,000	965,000
KEYSTONE#2	95,000	90,000	103,000	9,000	41,000	101,000	995,000
KEYSTONE STA	184,000	178,000	194,000	84,000	118,000	185,000	1,960,000
CONEMAUGH#1	73,000	80,000	90,000	94,000	86,000	79,000	1,047,000
CONEMAUGH#2	35,000	31,000	79,000	95,000	79,000	82,000	934,000
CONEMAUGHSTA	108,000	111,000	169,000	189,000	165,000	161,000	1,981,000
MINEMOUTH	292,000	289,000	363,000	273,000	283,000	346,000	3,941,000
PHILA. AREA OIL & COAL, AND MINEMOUTH COAL.							
FOSSIL STEAM	790,000	596,000	698,000	505,000	533,000	715,000	8,713,000
NUCLEAR (PE SHARE)							
PEACH BOT#2	268,835	265,263	294,736	258,117	229,537	274,194	2,554,379
PEACH BOT#3	291,129	250,670	238,356	109,943	0	0	2,460,961
PCH BOT STA	559,964	515,933	533,092	368,060	229,537	274,194	5,015,340
SALEM#1	299,000	250,000	278,000	286,000	280,000	286,000	3,361,000
SALEM#2	213,000	198,000	247,000	301,000	240,000	285,000	2,290,000
SALEM STA	512,000	448,000	525,000	587,000	520,000	571,000	5,651,000
LIM1	671,000	496,000	0	0	0	597,000	4,890,000
LIM2	0	0	0	0	0	0	0
LIM STA	671,000	496,000	0	0	0	597,000	4,890,000
MMH NUCLEAR	1,742,964	1,459,933	1,058,092	955,060	749,537	1,442,194	15,556,340
OTHER (PRECOMMERCIAL)							
LIMERICK 1	0	0	0	0	0	0	0
LIMERICK 2	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0

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MMH DISTRIBUTION 2 OF 4

	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
MINEMOUTH (PE SHARE)						
KEYSTONE#1	73,000	99,000	83,000	14,000	98,000	97,000
KEYSTONE#2	86,000	93,000	87,000	104,000	85,000	91,000
KEYSTONE STA	159,000	192,000	170,000	118,000	183,000	188,000
CONEMAUGH#1	54,000	27,000	75,000	88,000	84,000	98,000
CONEMAUGH#2	92,000	97,000	86,000	97,000	82,000	80,000
CONEMAUGHSTA	146,000	124,000	161,000	185,000	166,000	178,000
MINEMOUTH	305,000	316,000	331,000	303,000	349,000	366,000
PHILA. AREA OIL & COAL, AND MINEMOUTH COAL.						
FOSSIL STEAM	757,000	751,000	660,000	562,000	653,000	767,000
NUCLEAR (PE SHARE)						
PEACH BOT#2	261,690	269,728	262,583	226,858	202,743	220,606
PEACH BOT#3	0	0	0	0	0	237,477
PCH BOT STA	261,690	269,728	262,583	226,858	202,743	458,083
SALEM#1	295,000	253,000	34,000	0	0	0
SALEM#2	313,000	287,000	232,000	295,000	224,000	312,000
SALEM STA	608,000	540,000	266,000	295,000	224,000	312,000
LIM1	667,000	593,000	644,000	546,000	485,000	490,000
LIM2	0	0	0	0	0	0
LIM STA	667,000	593,000	644,000	546,000	485,000	490,000
MMH NUCLEAR	1,536,690	1,402,728	1,172,583	1,067,858	911,743	1,260,083
OTHER (PRECOMMERCIAL)						
LIMERICK 1	0	0	0	0	0	0
LIMERICK 2	0	0	0	0	0	0
OTHER	0	0	0	0	0	0

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MMH DISTRIBUTION 2 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
MINEMOUTH (PE SHARE)							
KEYSTONE#1	85,000	86,000	96,000	97,000	100,000	100,000	1,028,000
KEYSTONE#2	90,000	90,000	101,000	9,000	24,000	84,000	944,000
KEYSTONE STA	175,000	176,000	197,000	106,000	124,000	184,000	1,972,000
CONEMAUGH#1	84,000	94,000	78,000	88,000	81,000	86,000	937,000
CONEMAUGH#2	10,000	41,000	96,000	90,000	82,000	76,000	929,000
CONEMAUGHSTA	94,000	135,000	174,000	178,000	163,000	162,000	1,866,000
MINEMOUTH	269,000	311,000	371,000	284,000	287,000	346,000	3,838,000
PHILA. AREA OIL & COAL, AND MINEMOUTH COAL. FOSSIL STEAM	925,000	715,000	847,000	623,000	621,000	760,000	8,641,000
NUCLEAR (PE SHARE)							
PEACH BOT#2	282,232	206,315	291,164	29,474	0	0	2,253,393
PEACH BOT#3	219,006	213,729	219,886	255,947	284,972	285,851	1,716,868
PCH BOT STA	501,238	420,044	511,050	285,421	284,972	285,851	3,970,261
SALEM#1	184,000	266,000	207,000	268,000	275,000	257,000	2,039,000
SALEM#2	302,000	304,000	279,000	35,000	0	0	2,583,000
SALEM STA	486,000	570,000	486,000	303,000	275,000	257,000	4,622,000
LIM1	705,000	597,000	371,000	665,000	641,000	654,000	7,058,000
LIM2	0	0	0	0	0	0	0
LIM STA	705,000	597,000	371,000	665,000	641,000	654,000	7,058,000
MMH NUCLEAR	1,692,238	1,587,044	1,368,050	1,253,421	1,200,972	1,196,851	15,650,261
OTHER (PRECOMMERCIAL)							
LIMERICK 1	0	0	0	0	0	0	0
LIMERICK 2	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0

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MMI DISTRIBUTION 3 OF 4

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
DIESELS						
CROMBY D 1&2	0	80	0	50	0	70
DELAWARE D	20	0	0	0	0	0
SOUTHWARK D	0	0	0	0	0	0
SCHUYLKILL D	30	0	20	40	0	0
PE DIESELS	50	80	20	90	0	70
KEYSTONE D	10	0	0	0	0	0
CONEMAUGH D	10	0	0	0	0	0
DIESEL	70	80	20	90	0	70
GAS TURBINES						
RICH GE CT	2,110	2,490	630	2,830	3,310	720
RICH HE CT	0	0	0	0	0	0
RICH HO CT	0	0	0	0	0	0
RICHCT TOTAL	2,110	2,490	630	2,830	3,310	720
SOUTHWARK CT	170	0	0	0	0	0
EDDYSTONE CT	110	0	0	0	0	0
DELAWARE CT	210	80	0	0	0	0
SCHUYLKILLCT	80	80	0	0	0	0
CHESTER CT	100	0	0	0	0	0
FALLS CT	180	120	0	0	0	0
MOSER CT	120	90	0	0	40	0
PLY MTG CT	0	0	0	0	0	0
SUBTOTAL	3,080	2,860	630	2,830	3,350	720
CROYDON	8,200	9,700	4,600	9,100	8,700	5,100
GAS TURBINES	11,280	12,560	5,230	11,930	12,050	5,820
SALEM CT	0	20	0	0	30	0
TOTAL CT	11,280	12,580	5,230	11,930	12,080	5,820
TOTAL CT AND DIESEL						
TOTAL IC	11,350	12,660	5,250	12,020	12,080	5,890
SIMPLE CYCLE (INC. SALEM CT)						
CT TOTAL	3,080	2,880	630	2,830	3,380	720

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M&M DISTRIBUTION 3 OF 4

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
DIESELS							
CROMBY D 1&2	0	20	40	20	40	20	340
DELAWARE D	10	10	0	40	0	40	120
SOUTHWARK D	0	0	0	0	0	0	0
SCHUYLKILL D	0	0	0	0	0	40	130
PE DIESELS	10	30	40	60	40	100	590
KEYSTONE D	0	0	0	0	0	0	10
CONEMAUGH D	0	0	0	0	0	0	10
DIESEL	10	30	40	60	40	100	610
GAS TURBINES							
RICH GE CT	3,310	0	1,150	0	0	180	16,730
RICH ME CT	0	0	0	0	0	0	0
RICH MO CT	0	0	0	0	0	0	0
RICHCT TOTAL	3,310	0	1,150	0	0	180	16,730
SOUTHWARK CT	0	0	0	0	0	0	170
EDDYSTONE CT	0	0	0	0	0	0	110
DELAWARE CT	0	0	40	0	0	0	330
SCHUYLKILLCT	0	0	40	0	0	0	200
CHESTER CT	0	0	0	0	0	0	100
FALLS CT	160	0	120	0	0	0	580
MOSER CT	0	0	0	0	0	0	250
PLY MTG CT	0	0	0	0	0	0	0
SUBTOTAL	3,470	0	1,350	0	0	180	18,470
CROYDON	6,500	700	1,600	300	1,500	700	56,700
GAS TURBINES	9,970	700	2,950	300	1,500	880	75,170
SALEM CT	30	0	30	0	0	0	110
TOTAL CT	10,000	700	2,980	300	1,500	880	75,280
TOTAL CT AND DIESEL TOTAL IC	10,010	730	3,020	360	1,540	980	75,890
SIMPLE CYCLE (INC. SALEM CT) CT TOTAL	3,500	0	1,380	0	0	180	18,580

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MWH DISTRIBUTION 3 OF 4

	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
DIESELS						
CROMBY D 1&2	110	40	40	0	0	30
DELAWARE D	40	40	0	0	0	0
SOUTHWARK D	0	0	0	0	0	0
SCHUYLKILL D	0	0	10	0	0	40
PE DIESELS	150	80	50	0	0	70
KEYSTONE D	0	0	0	0	0	0
CONEMAUGH D	0	0	0	0	0	0
DIESEL	150	80	50	0	0	70
GAS TURBINES						
RICH GE CT	1,650	1,370	2,370	820	420	1,160
RICH NE CT	0	0	0	0	0	0
RICH NO CT	0	0	0	0	0	0
RICHCT TOTAL	1,650	1,370	2,370	820	420	1,160
SOUTHWARK CT	150	60	0	0	0	0
EDDYSTONE CT	140	90	0	0	0	80
DELAWARE CT	200	60	0	0	80	40
SCHUYLKILLCT	110	0	40	0	0	40
CHESTER CT	150	20	0	0	80	40
FALLS CT	180	150	40	0	120	80
MOSER CT	120	90	0	0	80	80
PLY MTG CT	0	0	0	0	0	0
SUBTOTAL	2,700	1,840	2,450	820	780	1,520
CROYDON	3,000	4,000	6,200	4,300	2,100	4,600
GAS TURBINES	5,700	5,840	8,650	5,120	2,880	6,120
SALEM CT	30	0	20	0	30	30
TOTAL CT	5,730	5,840	8,670	5,120	2,910	6,150
TOTAL CT AND DIESEL						
TOTAL IC	5,880	5,920	8,720	5,120	2,910	6,220
SIMPLE CYCLE (INC. SALEM CT)						
CT TOTAL	2,730	1,840	2,470	820	810	1,550

MMM DISTRIBUTION 3 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
DIESELS							
CROMBY D 1&2	0	0	0	10	0	10	240
DELAWARE D	0	0	0	0	40	0	120
SOUTHWARK D	0	0	0	0	0	0	0
SCHUYLKILL D	0	0	40	0	0	0	90
PE DIESELS	0	0	40	10	40	10	450
KEYSTONE D	10	0	0	0	0	0	10
CONEMAUGH D	10	0	0	0	0	0	10
DIESEL	20	0	40	10	40	10	470
GAS TURBINES							
RICH GE CT	7,200	140	790	0	0	360	16,280
RICH WE CT	0	0	0	0	0	0	0
RICH WO CT	0	0	0	0	0	0	0
RICHCT TOTAL	7,200	140	790	0	0	360	16,280
SOUTHWARK CT	280	0	0	0	0	20	510
EDDYSTONE CT	300	0	0	0	0	110	720
DELAWARE CT	330	0	0	0	0	40	750
SCHUYLKILLCT	210	0	0	0	0	30	430
CHESTER CT	360	0	0	0	0	60	710
FALLS CT	340	0	0	0	0	90	1,000
MOSER CT	300	0	0	0	0	60	730
PLY MTG CT	0	0	0	0	0	0	0
SUBTOTAL	9,320	140	790	0	0	770	21,130
CROYDON	21,500	1,200	5,000	0	200	2,000	54,100
GAS TURBINES	30,820	1,340	5,790	0	200	2,770	75,230
SALEM CT	70	0	0	0	0	20	200
TOTAL CT	30,890	1,340	5,790	0	200	2,790	75,430
TOTAL CT AND DIESEL							
TOTAL IC	30,910	1,340	5,830	10	240	2,800	75,900
SIMPLE CYCLE (INC. SALEM CT)							
CT TOTAL	9,390	140	790	0	0	790	21,330

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FUEL COST 1 OF 4

OIL (NO.6 & NO. 2)	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
SCHUYLKILL#1	1,228,000	1,668,000	1,205,000	867,000	1,849,000	996,000
EDDYSTONE1&2	182,000	166,000	211,000	195,000	190,000	212,000
EDDYSTONE3&4	4,349,000	4,484,000	4,859,000	7,634,000	6,869,000	3,065,000
EDDY 1,2,3,4	4,531,000	4,650,000	5,070,000	7,829,000	7,059,000	3,277,000
ED (SULFUR)	0	0	0	0	212,000	502,000
EDDYSTONE	4,531,000	4,650,000	5,070,000	7,829,000	7,271,000	3,779,000
CROMBY#1	16,000	12,000	13,000	7,000	13,000	16,000
CROMBY#2	2,236,000	2,539,000	2,362,000	3,288,000	3,487,000	2,365,000
CR (SULFUR)	141,000	165,000	138,000	206,000	174,000	143,000
CROMBY	2,393,000	2,716,000	2,513,000	3,501,000	3,674,000	2,524,000
DELAWARE 7&8	1,593,000	1,824,000	2,244,000	3,324,000	2,175,000	1,441,000
RICHMOND	0	0	0	0	0	0
SOUTHWARK1&2	664,000	535,000	431,000	466,000	656,000	0
TOTAL OIL	10,409,000	11,393,000	11,463,000	15,987,000	15,625,000	8,740,000
COAL						
EDDYSTONE#1	2,113,000	2,135,000	2,032,000	2,261,000	2,102,000	2,150,000
EDDYSTONE#2	2,305,000	2,594,000	277,000	0	0	1,070,000
EDDYSTONE	4,418,000	4,729,000	2,309,000	2,261,000	2,102,000	3,220,000
CROMBY#1	943,000	1,099,000	921,000	1,347,000	1,145,000	945,000
TOTAL PECOAL	5,361,000	5,828,000	3,230,000	3,608,000	3,247,000	4,165,000
GAS FOR SCRUBBER						
EDDYSTONE#1	350,000	355,000	331,000	366,000	121,000	0
EDDYSTONE#2	376,000	426,000	46,000	0	0	0
TOTAL GAS	726,000	781,000	377,000	366,000	121,000	0
TOTAL OIL, TOTAL COAL & TOTAL GAS PHILA STEAM	16,496,000	18,002,000	15,070,000	19,961,000	18,993,000	12,905,000

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OIL (NO.6 & NO. 2)	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
SCHUYLKILL#1	1,442,000	758,000	348,000	557,000	853,000	753,000	12,524,000
EDDYSTONE1&2	181,000	179,000	232,000	188,000	194,000	197,000	2,327,000
EDDYSTONE3&4	3,942,000	1,119,000	1,300,000	1,512,000	2,143,000	2,297,000	43,573,000
EDDY 1,2,3,4	4,123,000	1,298,000	1,532,000	1,700,000	2,337,000	2,494,000	45,900,000
ED (SULFUR)	800,000	629,000	674,000	0	0	0	2,817,000
EDDYSTONE	4,923,000	1,927,000	2,206,000	1,700,000	2,337,000	2,494,000	48,717,000
CROMBY#1	11,000	12,000	19,000	10,000	7,000	18,000	154,000
CROMBY#2	1,661,000	548,000	1,456,000	1,683,000	1,985,000	2,216,000	25,826,000
CR (SULFUR)	198,000	120,000	98,000	61,000	65,000	122,000	1,631,000
CROMBY	1,870,000	680,000	1,573,000	1,754,000	2,057,000	2,356,000	27,611,000
DELAWARE 7&8	2,140,000	1,201,000	673,000	905,000	957,000	1,320,000	19,797,000
RICHMOND	0	0	0	0	0	0	0
SOUTHWARK1&2	0	0	0	0	0	0	2,752,000
TOTAL OIL	10,375,000	4,566,000	4,800,000	4,916,000	6,204,000	6,923,000	111,401,000
COAL							
EDDYSTONE#1	2,293,000	1,969,000	2,203,000	379,000	0	1,673,000	21,310,000
EDDYSTONE#2	2,626,000	1,910,000	2,309,000	2,048,000	2,284,000	2,254,000	19,677,000
EDDYSTONE	4,919,000	3,879,000	4,512,000	2,427,000	2,284,000	3,927,000	40,987,000
CROMBY#1	1,262,000	767,000	639,000	415,000	437,000	813,000	10,733,000
TOTAL PECOAL	6,181,000	4,646,000	5,151,000	2,842,000	2,721,000	4,740,000	51,720,000
GAS FOR SCRUBBER							
EDDYSTONE#1	0	0	19,000	62,000	0	272,000	1,876,000
EDDYSTONE#2	0	0	25,000	333,000	370,000	366,000	1,942,000
TOTAL GAS	0	0	44,000	395,000	370,000	638,000	3,818,000
TOTAL OIL, TOTAL COAL & TOTAL GAS							
PHILA STEAM	16,556,000	9,212,000	9,995,000	8,153,000	9,295,000	12,301,000	166,939,000

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	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
OIL (NO.6 & NO. 2)						
SCHUYLKILL#1	1,260,000	1,604,000	745,000	446,000	1,013,000	1,287,000
EDDYSTONE1&2	207,000	242,000	175,000	238,000	234,000	232,000
EDDYSTONE3&4	4,319,000	4,567,000	3,722,000	2,230,000	2,674,000	4,249,000
EDDY 1,2,3,4	4,526,000	4,809,000	3,897,000	2,468,000	2,908,000	4,481,000
ED (SULFUR)	0	0	0	192,000	331,000	505,000
EDDYSTONE	4,526,000	4,809,000	3,897,000	2,660,000	3,239,000	4,986,000
CROMBY#1	16,000	19,000	14,000	14,000	13,000	13,000
CROMBY#2	2,186,000	2,379,000	2,072,000	2,362,000	2,610,000	2,451,000
CR (SULFUR)	159,000	132,000	148,000	176,000	187,000	195,000
CROMBY	2,361,000	2,530,000	2,234,000	2,552,000	2,810,000	2,659,000
DELAWARE 7&8	1,740,000	1,964,000	1,271,000	1,004,000	1,451,000	1,785,000
RICHMOND	0	0	0	0	0	0
SOUTHWARK1&2	0	0	0	0	0	0
TOTAL OIL	9,887,000	10,907,000	8,147,000	6,662,000	8,513,000	10,717,000
COAL						
EDDYSTONE#1	1,944,000	1,859,000	2,619,000	1,940,000	2,113,000	2,352,000
EDDYSTONE#2	2,440,000	1,981,000	0	0	0	859,000
EDDYSTONE	4,384,000	3,840,000	2,619,000	1,940,000	2,113,000	3,211,000
CROMBY#1	1,055,000	878,000	982,000	1,150,000	1,217,000	1,266,000
TOTAL PECOAL	5,439,000	4,718,000	3,601,000	3,090,000	3,330,000	4,477,000
GAS FOR SCRUBBER						
EDDYSTONE#1	310,000	296,000	422,000	111,000	0	0
EDDYSTONE#2	388,000	312,000	0	0	0	0
TOTAL GAS	698,000	608,000	422,000	111,000	0	0
TOTAL OIL, TOTAL COAL & TOTAL GAS						
PHILA STEAM	16,024,000	16,233,000	12,170,000	9,863,000	11,843,000	15,194,000

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FUEL COST 1 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
OIL (NO.6 & NO. 2)							
SCHUYLKILL#1	2,846,000	1,385,000	1,724,000	1,122,000	716,000	1,167,000	15,315,000
EDDYSTONE1&2	226,000	253,000	195,000	244,000	239,000	255,000	2,740,000
EDDYSTONE3&4	8,309,000	3,443,000	5,473,000	2,811,000	852,000	3,290,000	45,939,000
EDDY 1,2,3,4	8,535,000	3,696,000	5,668,000	3,055,000	1,091,000	3,545,000	48,679,000
ED (SULFUR)	915,000	712,000	803,000	648,000	198,000	0	4,304,000
EDDYSTONE	9,450,000	4,408,000	6,471,000	3,703,000	1,289,000	3,545,000	52,983,000
CROMBY#1	12,000	12,000	3,000	0	14,000	16,000	146,000
CROMBY#2	3,137,000	711,000	3,160,000	2,578,000	1,894,000	1,976,000	27,516,000
CR (SULFUR)	219,000	223,000	34,000	0	113,000	169,000	1,755,000
CROMBY	3,368,000	946,000	3,197,000	2,578,000	2,021,000	2,161,000	29,417,000
DELAWARE 7&8	3,549,000	1,877,000	2,278,000	1,478,000	616,000	1,674,000	20,687,000
RICHMOND	0	0	0	0	0	0	0
SOUTHWARK1&2	0	0	0	0	0	0	0
TOTAL OIL	19,213,000	8,616,000	13,670,000	8,881,000	4,642,000	8,547,000	118,402,000
COAL							
EDDYSTONE#1	2,620,000	2,126,000	2,541,000	1,817,000	2,384,000	2,229,000	26,544,000
EDDYSTONE#2	2,954,000	2,243,000	2,418,000	2,337,000	2,417,000	2,351,000	20,000,000
EDDYSTONE	5,574,000	4,369,000	4,959,000	4,154,000	4,801,000	4,580,000	46,544,000
CROMBY#1	1,380,000	1,403,000	227,000	16,000	751,000	1,116,000	11,441,000
TOTAL PECOAL	6,954,000	5,772,000	5,186,000	4,170,000	5,552,000	5,696,000	57,985,000
GAS FOR SCRUBBER							
EDDYSTONE#1	0	0	0	0	280,000	350,000	1,769,000
EDDYSTONE#2	0	0	0	0	276,000	367,000	1,343,000
TOTAL GAS	0	0	0	0	556,000	717,000	3,112,000
TOTAL OIL, TOTAL COAL & TOTAL GAS							
PHILA STEAM	26,167,000	14,388,000	18,856,000	13,051,000	10,750,000	14,960,000	179,499,000

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	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
MINEMOUTH (PE SHARE)						
KEYSTN1 COAL	1,042,000	1,190,000	557,000	671,000	1,221,000	1,163,000
KEYSTN2 COAL	1,140,000	1,241,000	1,229,000	1,242,000	994,000	1,187,000
KEYSTONE C	2,182,000	2,431,000	1,786,000	1,913,000	2,215,000	2,350,000
KEYST1&2 OIL	17,000	9,000	0	9,000	17,000	9,000
KEYSTONE	2,199,000	2,440,000	1,786,000	1,922,000	2,232,000	2,359,000
CON1 COAL	1,364,000	1,411,000	1,211,000	1,265,000	1,293,000	1,317,000
CON2 COAL	1,449,000	1,142,000	1,320,000	1,428,000	1,168,000	1,198,000
CONEMAUGH C	2,813,000	2,553,000	2,531,000	2,693,000	2,461,000	2,515,000
CON1&2 OIL	0	13,000	0	7,000	7,000	14,000
CONEMAUGH	2,813,000	2,566,000	2,531,000	2,700,000	2,468,000	2,529,000
MINEMOUTH	5,012,000	5,006,000	4,317,000	4,622,000	4,700,000	4,888,000
NUCLEAR (PE SHARE)						
PB2 NUCLEAR	1,711,767	1,722,775	1,816,343	688,009	0	0
PB3 NUCLEAR	1,901,013	1,821,804	1,760,674	1,937,571	1,766,967	1,693,851
PB2&3INTREST	1,065,268	1,030,383	994,647	960,612	943,697	926,783
PB ATOMIC	4,678,048	4,574,962	4,571,864	3,586,192	2,710,664	2,620,634
AUX BOILER	28,782	28,782	27,904	29,702	28,744	29,702
PB DIESEL	4,486	4,486	4,346	4,544	4,398	4,544
SALEM 1	2,119,000	1,975,000	2,079,000	2,100,000	1,837,000	1,988,000
SALEM 2	2,195,000	1,799,000	564,000	0	0	1,323,000
SLM1INTEREST	448,145	430,033	411,920	393,807	375,695	357,582
SLM2INTEREST	294,678	294,678	294,678	294,678	294,678	513,776
SALEM AUXBLR	0	0	0	0	0	0
SALEM DIESEL	200	200	200	200	200	200
LM1 NUCLEAR	4,064,000	3,999,000	4,210,000	4,113,000	3,692,000	3,902,000
LM2 NUCLEAR	0	0	0	0	0	0
LM NUC TOTAL	4,064,000	3,999,000	4,210,000	4,113,000	3,692,000	3,902,000
LIMAUXBOILER	0	0	0	0	0	0
LIM DIESEL	51,000	51,000	49,000	51,000	50,000	51,000
NUCLEAR	13,883,339	13,157,141	12,212,912	10,573,123	8,993,379	10,790,438
NOTE: FOR JIM MILLER						
SALEM JC2	0	0	0	0	0	0
OTHER (PRECOMMERCIAL)						
OTHER	2,333,000	0	0	0	0	0

LIMERICK1 IN 7/1/86 - 6/30/88

FUEL COST 2 OF 4

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
MINEMOUTH (PE SHARE)							
KEYSTN1 COAL	1,161,000	1,137,000	1,183,000	982,000	1,009,000	1,104,000	12,420,000
KEYSTN2 COAL	1,237,000	1,167,000	1,339,000	122,000	535,000	1,326,000	12,759,000
KEYSTONE C	2,398,000	2,304,000	2,522,000	1,104,000	1,544,000	2,430,000	25,179,000
KEYST1&2 OIL	28,000	0	9,000	18,000	27,000	9,000	152,000
KEYSTONE	2,426,000	2,304,000	2,531,000	1,122,000	1,571,000	2,439,000	25,331,000
CON1 COAL	1,081,000	1,183,000	1,329,000	1,406,000	1,293,000	1,178,000	15,331,000
CON2 COAL	513,000	456,000	1,169,000	1,426,000	1,187,000	1,227,000	13,683,000
CONEMAUGH C	1,594,000	1,639,000	2,498,000	2,832,000	2,480,000	2,405,000	29,014,000
CON1&2 OIL	15,000	22,000	22,000	0	15,000	22,000	137,000
CONEMAUGH	1,609,000	1,661,000	2,520,000	2,832,000	2,495,000	2,427,000	29,151,000
MINEMOUTH	4,035,000	3,965,000	5,051,000	3,954,000	4,066,000	4,866,000	54,482,000
NUCLEAR (PE SHARE)							
PB2 NUCLEAR	1,889,248	1,864,143	2,071,269	1,813,930	1,613,079	1,926,908	17,117,471
PB3 NUCLEAR	2,016,779	1,736,502	1,651,200	761,623	0	0	17,048,184
PB2&3INTREST	1,348,533	1,308,124	1,267,715	1,227,306	1,203,812	1,180,317	13,457,197
PB ATOMIC	5,254,560	4,908,769	4,990,184	3,802,859	2,816,891	3,107,225	47,622,852
AUX BOILER	31,144	28,130	30,902	29,304	30,280	29,346	352,722
PB DIESEL	4,910	4,436	4,894	4,692	4,848	4,696	55,280
SALEM 1	2,152,000	1,798,000	2,001,000	2,060,000	2,014,000	2,054,000	24,177,000
SALEM 2	1,622,000	1,508,000	1,885,000	2,298,000	1,828,000	2,177,000	17,199,000
SLM1INTEREST	339,469	321,357	303,244	285,131	267,019	248,906	4,182,308
SLM2INTEREST	493,668	473,561	453,453	433,346	413,238	393,131	4,647,563
SALEM AUXBLR	0	0	0	0	0	0	0
SALEM DIESEL	200	200	200	200	200	200	2,400
LM1 NUCLEAR	5,149,000	3,805,000	0	0	0	3,227,000	36,161,000
LM2 NUCLEAR	0	0	0	0	0	0	0
LM NUC TOTAL	5,149,000	3,805,000	0	0	0	3,227,000	36,161,000
LIMAUXBOILER	0	0	0	0	0	0	0
LIM DIESEL	56,000	50,000	55,000	53,000	55,000	53,000	625,000
NUCLEAR	15,102,951	12,897,453	9,723,877	8,966,532	7,429,476	11,294,504	135,025,125
NOTE: FOR JIM MILLER							
SALEM JC2	0	0	0	0	0	0	0
OTHER (PRECOMMERCIAL)							
OTHER	0	0	0	0	0	0	2,333,000

LIMERICK1 IN 7/1/86 - 6/30/88

FUEL COST 2 OF 4

	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
MINEMOUTH (PE SHARE)						
KEYSTN1 COAL	978,000	1,337,000	1,121,000	190,000	1,348,000	1,320,000
KEYSTN2 COAL	1,150,000	1,252,000	1,174,000	1,420,000	1,162,000	1,239,000
KEYSTONE C	2,128,000	2,589,000	2,295,000	1,610,000	2,510,000	2,559,000
KEYST1&2 OIL	37,000	18,000	9,000	0	18,000	9,000
KEYSTONE	2,165,000	2,607,000	2,304,000	1,610,000	2,528,000	2,568,000
CON1 COAL	820,000	409,000	1,150,000	1,363,000	1,301,000	1,530,000
CON2 COAL	1,411,000	1,490,000	1,322,000	1,512,000	1,270,000	1,251,000
CONEMAUGH C	2,231,000	1,899,000	2,472,000	2,875,000	2,571,000	2,781,000
CON1&2 OIL	14,000	7,000	22,000	7,000	14,000	15,000
CONEMAUGH	2,245,000	1,906,000	2,494,000	2,882,000	2,585,000	2,796,000
MINEMOUTH	4,410,000	4,513,000	4,798,000	4,492,000	5,113,000	5,364,000
NUCLEAR (PE SHARE)						
PB2 NUCLEAR	1,839,036	1,895,525	1,845,312	1,594,249	1,424,782	1,550,314
PB3 NUCLEAR	0	0	0	0	0	1,747,927
PB283INTREST	1,156,822	1,133,328	1,109,833	1,584,900	1,538,765	1,492,629
PB ATOMIC	2,995,858	3,028,853	2,955,145	3,179,149	2,963,547	4,790,870
AUX BOILER	31,090	31,090	30,172	32,078	31,042	32,078
PB DIESEL	4,910	4,910	4,758	4,974	4,814	4,974
SALEM 1	2,119,000	1,818,000	243,000	0	0	0
SALEM 2	2,390,000	2,191,000	1,771,000	2,248,000	1,707,000	2,376,000
SLM1INTEREST	230,793	230,793	230,793	230,793	230,793	230,793
SLM2INTEREST	373,023	352,916	332,808	312,700	292,593	272,485
SALEM AUXBLR	0	0	0	0	0	0
SALEM DIESEL	200	200	200	200	200	200
LM1 NUCLEAR	3,603,000	3,204,000	3,478,000	2,953,000	2,623,000	2,645,000
LM2 NUCLEAR	0	0	0	0	0	0
LM NUC TOTAL	3,603,000	3,204,000	3,478,000	2,953,000	2,623,000	2,645,000
LIMAUXBOILER	0	0	0	0	0	0
LIM DIESEL	56,000	56,000	54,000	56,000	54,000	56,000
NUCLEAR	11,803,874	10,917,762	9,099,876	9,016,894	7,906,989	10,408,400
NOTE: FOR JIM MILLER						
SALEM JC2	0	0	0	0	0	0
OTHER (PRECOMMERCIAL)						
OTHER	0	0	0	0	0	0

FUEL COST 2 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
MINEMOUTH (PE SHARE)							
KEYSTN1 COAL	1,198,000	1,206,000	1,346,000	1,373,000	1,415,000	1,419,000	14,251,000
KEYSTN2 COAL	1,262,000	1,267,000	1,420,000	127,000	336,000	1,189,000	12,998,000
KEYSTONE C	2,460,000	2,473,000	2,766,000	1,500,000	1,751,000	2,608,000	27,249,000
KEYST1&2 OIL	31,000	20,000	10,000	0	20,000	10,000	182,000
KEYSTONE	2,491,000	2,493,000	2,776,000	1,500,000	1,771,000	2,618,000	27,431,000
CON1 COAL	1,346,000	1,500,000	1,257,000	1,418,000	1,314,000	1,401,000	14,809,000
CON2 COAL	164,000	655,000	1,546,000	1,461,000	1,324,000	1,238,000	14,644,000
CONEMAUGH C	1,510,000	2,155,000	2,803,000	2,879,000	2,638,000	2,639,000	29,453,000
CON1&2 OIL	8,000	40,000	24,000	16,000	24,000	16,000	207,000
CONEMAUGH	1,518,000	2,195,000	2,827,000	2,895,000	2,662,000	2,655,000	29,660,000
MINEMOUTH	4,009,000	4,688,000	5,603,000	4,395,000	4,433,000	5,273,000	57,091,000
NUCLEAR (PE SHARE)							
PB2 NUCLEAR	1,983,398	1,449,889	2,046,163	207,127	0	0	15,835,795
PB3 NUCLEAR	1,611,977	1,573,134	1,618,451	1,883,877	2,097,512	2,103,986	12,636,864
PB2&3INTREST	1,446,493	1,400,359	1,354,223	1,308,089	1,285,448	1,262,808	16,073,697
PB ATOMIC	5,041,868	4,423,382	5,018,837	3,399,093	3,382,960	3,366,794	44,546,356
AUX BOILER	33,958	31,768	33,630	31,944	33,008	32,046	383,904
PB DIESEL	5,426	5,076	5,402	5,184	5,358	5,192	60,978
SALEM 1	1,464,000	2,116,000	1,645,000	2,130,000	2,189,000	2,044,000	15,768,000
SALEM 2	2,305,000	2,319,000	2,127,000	270,000	0	0	19,704,000
SLM1INTEREST	594,482	572,222	549,962	527,702	505,442	483,182	4,617,750
SLM2INTEREST	252,378	232,270	232,270	232,270	232,270	232,270	3,350,253
SALEM AUXBLR	0	0	0	0	0	0	0
SALEM DIESEL	200	200	200	200	200	200	2,400
LM1 NUCLEAR	3,809,000	3,227,000	2,007,000	3,592,000	3,467,000	3,535,000	38,143,000
LM2 NUCLEAR	0	0	0	0	0	0	0
LM NUC TOTAL	3,809,000	3,227,000	2,007,000	3,592,000	3,467,000	3,535,000	38,143,000
LIMAUXBOILER	0	0	0	0	0	0	0
LIM DIESEL	61,000	57,000	61,000	59,000	61,000	59,000	690,000
NUCLEAR	13,567,312	12,983,918	11,680,301	10,247,393	9,876,238	9,757,684	127,266,641
NOTE: FOR JIM MILLER							
SALEM JC2	0	0	0	0	0	0	0
OTHER (PRECOMMERCIAL)							
OTHER	0	0	0	0	0	0	0

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FUEL COST 3 OF 4

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
DIESELS						
CROMBY D 1&2	0	4,800	0	3,200	0	4,200
DELAWARE D	1,100	0	0	0	0	0
SOUTHWARK D	0	0	0	0	0	0
SCHUYLKILL D	1,800	0	1,100	2,500	0	0
KEYSTONE D	600	0	0	0	200	0
CONEMAUGH D	400	0	0	0	0	0
DIESEL	3,900	4,800	1,100	5,700	200	4,200
GAS TURBINES						
SOUTHWARK CT	14,000	0	0	0	0	0
EDDYSTONE CT	9,000	0	0	0	0	0
DELAWARE CT	16,000	7,000	0	0	0	0
SCHUYLKILLCT	6,000	7,000	0	0	0	0
CHESTER CT	8,000	0	0	0	0	0
FALLS CT	14,000	9,000	0	0	0	0
MOSER CT	9,000	7,000	0	0	3,000	0
PLY MTG CT	0	0	0	0	0	0
RICH GE CT	142,000	167,000	42,000	193,000	225,000	50,000
RICH NE CT	0	0	0	0	0	0
RICH WO CT	0	0	0	0	0	0
RICHMOND CT	142,000	167,000	42,000	193,000	225,000	50,000
CROYDON	505,000	609,000	296,000	571,000	550,000	319,000
SALEM CT	0	1,000	0	0	2,000	0
GAS TURBINES	723,000	807,000	338,000	764,000	780,000	369,000
TOTAL IC	726,900	811,800	339,100	769,700	780,200	373,200

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FUEL COST 3 OF 4

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
DIESELS							
CROMBY D 1&2	0	1,500	2,700	1,200	2,300	1,500	21,400
DELAWARE D	800	800	0	2,700	0	2,700	8,100
SOUTHWARK D	0	0	0	0	0	0	0
SCHUYLKILL D	0	0	0	0	0	2,700	8,100
KEYSTONE D	200	0	0	0	0	0	1,000
CONEMAUGH D	0	0	0	0	0	0	400
DIESEL	1,000	2,300	2,700	3,900	2,300	6,900	39,000
GAS TURBINES							
SOUTHWARK CT	0	0	0	0	0	0	14,000
EDDYSTONE CT	0	0	0	0	0	0	9,000
DELAWARE CT	0	0	4,000	0	0	0	27,000
SCHUYLKILLCT	0	0	4,000	0	0	0	17,000
CHESTER CT	0	0	0	0	0	0	8,000
FALLS CT	15,000	0	12,000	0	0	0	50,000
MOSER CT	0	0	0	0	0	0	19,000
PLY MTG CT	0	0	0	0	0	0	0
RICH GE CT	246,000	0	86,000	0	0	13,000	1,164,000
RICH NE CT	0	0	0	0	0	0	0
RICH NO CT	0	0	0	0	0	0	0
RICHMOND CT	246,000	0	86,000	0	0	13,000	1,164,000
CROYDON	420,000	53,000	115,000	20,000	97,000	40,000	3,595,000
SALEM CT	3,000	0	3,000	0	0	0	9,000
GAS TURBINES	684,000	53,000	224,000	20,000	97,000	53,000	4,912,000
TOTAL IC	685,000	55,300	226,700	23,900	99,300	59,900	4,951,000

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FUEL COST 3 OF 4

	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
DIESELS						
CROMBY D 1&2	7,000	2,600	2,600	0	0	1,900
DELAWARE D	2,700	2,700	0	0	0	0
SOUTHWARK D	0	0	0	0	0	0
SCHUYLKILL D	0	0	800	0	0	2,400
KEYSTONE D	200	0	0	0	0	0
CONEMAUGH D	200	0	0	0	0	0
DIESEL	10,100	5,300	3,400	0	0	4,300
GAS TURBINES						
SOUTHWARK CT	13,000	6,000	0	0	0	0
EDDYSTONE CT	12,000	8,000	0	0	0	8,000
DELAWARE CT	18,000	5,000	0	0	7,000	4,000
SCHUYLKILLCT	9,000	0	3,000	0	0	4,000
CHESTER CT	13,000	2,000	0	0	7,000	4,000
FALLS CT	15,000	12,000	3,000	0	12,000	8,000
MOSER CT	10,000	7,000	0	0	8,000	8,000
PLY MTG CT	0	0	0	0	0	0
RICH GE CT	122,000	102,000	176,000	62,000	33,000	87,000
RICH ME CT	0	0	0	0	0	0
RICH NO CT	0	0	0	0	0	0
RICHMOND CT	122,000	102,000	176,000	62,000	33,000	87,000
CROYDON	207,000	283,000	435,000	290,000	146,000	322,000
SALEM CT	3,000	0	1,000	0	3,000	3,000
GAS TURBINES	422,000	425,000	618,000	352,000	216,000	448,000
TOTAL IC	432,100	430,300	621,400	352,000	216,000	452,300

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FUEL COST 3 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
DIESELS							
CROMBY D 1&2	0	0	0	400	0	400	14,900
DELAWARE D	0	0	0	0	3,000	0	8,400
SOUTHWARK D	0	0	0	0	0	0	0
SCHUYLKILL D	0	0	3,000	0	0	0	6,200
KEYSTONE D	700	0	0	0	0	0	900
CONEMAUGH D	500	0	0	0	0	0	700
DIESEL	1,200	0	3,000	400	3,000	400	31,100
GAS TURBINES							
SOUTHWARK CT	27,000	0	0	0	0	2,000	48,000
EDDYSTONE CT	30,000	0	0	0	0	11,000	69,000
DELAWARE CT	33,000	0	0	0	0	5,000	72,000
SCHUYLKILLCT	21,000	0	0	0	0	3,000	40,000
CHESTER CT	35,000	0	0	0	0	7,000	68,000
FALLS CT	34,000	0	0	0	0	8,000	92,000
MOSER CT	30,000	0	0	0	0	5,000	68,000
PLY MTG CT	0	0	0	0	0	0	0
RICH GE CT	590,000	12,000	64,000	0	0	30,000	1,278,000
RICH HE CT	0	0	0	0	0	0	0
RICH HO CT	0	0	0	0	0	0	0
RICHMOND CT	590,000	12,000	64,000	0	0	30,000	1,278,000
CROYDON	1,522,000	82,000	361,000	0	14,000	149,000	3,811,000
SALEM CT	7,000	0	0	0	0	1,000	18,000
GAS TURBINES	2,329,000	94,000	425,000	0	14,000	221,000	5,564,000
TOTAL IC	2,330,200	94,000	428,000	400	17,000	221,400	5,595,100

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ELECTRIC GENERATION AND FUEL COST ESTIMATES

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MWH	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
OIL-PE STM.	254,000	283,000	288,000	380,000	359,000	212,000
COAL-PE STM.	313,000	342,000	187,000	208,000	192,000	244,000
COAL-MINEMTH	370,000	373,000	319,000	334,000	343,000	357,000
INT.COMB.	19,980	23,080	18,180	23,950	25,580	9,050
TOTAL FOSSIL	956,980	1,021,080	812,180	945,950	919,580	822,050
MWH NUCLEAR	1,152,183	1,067,536	915,924	683,337	510,067	693,513
NET HYDRO	25,000	(2,000)	14,000	61,000	79,000	147,000
OTHER	0	0	0	0	0	0
RECEIVED PJM	532,000	530,000	537,000	467,000	644,000	739,000
DELIV'D PJM	(19,000)	(22,000)	(9,000)	(25,000)	(4,000)	(4,000)
STEAM-HT PP	1,400	3,800	3,800	9,600	18,400	22,400
ME,PPL & DPL	16	16	16	16	16	16
2PARTY TRANS	210,000	204,000	192,000	213,000	219,000	201,000
INTCH & PUR	724,416	715,816	723,816	664,616	877,416	958,416
TOTAL OUTPUT	2,858,579	2,802,432	2,465,920	2,354,903	2,386,063	2,620,979
$						
OIL-PE STM	12,948,000	14,275,000	14,617,000	19,383,000	18,282,000	11,102,000
COAL-PE STM	6,550,000	7,134,000	3,937,000	4,403,000	4,063,000	5,181,000
MINEMOUTH	5,012,000	5,007,000	4,321,000	4,622,000	4,700,000	4,888,000
INT.COMB	1,281,500	1,488,000	1,134,100	1,517,000	1,617,200	557,300
TOTAL FOSSIL	25,791,500	27,904,000	24,009,100	29,925,000	28,662,200	21,728,300
(NUCLEAR EXCLUDING INTEREST, BUT INCLUDING OIL)						
NUCLEAR.	7,960,248	7,352,047	6,253,667	4,760,026	3,637,309	5,039,297
OTHER	0	0	0	0	0	0
RECEIVED PJM	16,167,000	17,600,000	18,141,000	17,393,000	24,107,000	25,513,000
DELIV'D PJM	(1,969,000)	(1,247,000)	(590,000)	(1,592,000)	(246,000)	(246,000)
STEAM-HT PP	48,000	139,000	141,000	410,000	734,000	847,000
ME,PPL & DPL	1,196	1,196	1,196	1,196	1,196	1,196
2PARTY TRANS	6,281,000	6,113,000	5,755,000	6,491,000	6,694,000	6,124,000
INTCH & PUR	21,428,196	22,606,196	23,448,196	22,703,196	31,290,196	32,239,196
INFORMATION FOR RATE DIVISION ($'S EXCLUDE FUEL HANDLING)						
$-FIN.CHGS	55,179,944	57,862,243	53,710,963	57,388,222	63,589,705	59,006,793
FIN.CHGS	1,752,929	1,696,919	1,640,906	1,584,893	1,547,910	1,730,025
$&FIN.CHGS	56,932,873	59,559,162	55,351,869	58,973,115	65,137,615	60,736,818
(GAS $ INCLUDED IN COAL-PE STM)						
TOTAL GAS	753,000	814,000	392,000	380,000	130,000	0
INFORMATION FOR GEN. ACC. BUDGET GRP. (TOTAL FUEL HAND. $)						
FUEL HANDL'G	839,735	831,970	812,520	816,886	810,367	810,703

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ELECTRIC GENERATION AND FUEL COST ESTIMATES

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
MWH							
OIL-PE STM.	216,000	79,000	62,000	100,000	133,000	159,000	2,525,000
COAL-PE STM.	354,000	270,000	272,000	148,000	147,000	278,000	2,955,000
COAL-MINEMTH	292,000	289,000	363,000	273,000	285,000	346,000	3,944,000
INT.COMB.	10,310	3,360	3,020	560	2,460	4,880	144,410
TOTAL FOSSIL	872,310	641,360	700,020	521,560	567,460	787,880	9,568,410
MWH NUCLEAR	1,071,964	963,933	1,058,092	955,060	749,537	845,194	10,666,340
NET HYDRO	99,000	126,000	199,000	222,000	167,000	69,000	1,206,000
OTHER	0	0	0	0	0	0	0
RECEIVED PJM	538,000	525,000	367,000	451,000	679,000	559,000	6,568,000
DELIV'D PJM	(32,000)	(28,000)	(28,000)	(29,000)	(3,000)	(13,000)	(216,000)
STEAM-HT PP	29,700	19,600	12,700	5,300	2,800	2,800	132,300
ME,PPL & DPL	16	16	16	16	16	16	192
2PARTY TRANS	223,600	194,000	191,000	164,000	184,000	198,000	2,393,000
INTCH & PUR	758,716	710,616	542,716	591,316	862,816	746,816	8,677,492
TOTAL OUTPUT	2,801,990	2,441,909	2,499,828	2,289,936	2,346,813	2,448,890	30,318,242
$							
OIL-PE STM	11,947,000	4,865,000	3,927,000	5,774,000	7,403,000	8,611,000	133,134,000
COAL-PE STM	7,621,000	5,822,000	5,978,000	3,273,000	3,253,000	6,095,000	63,310,000
MINEMOUTH	4,035,000	3,966,000	5,052,000	3,951,000	4,082,000	4,879,000	54,515,000
INT.COMB	689,800	227,700	226,700	36,900	164,700	333,900	9,274,800
TOTAL FOSSIL	24,292,800	14,880,700	15,183,700	13,034,900	14,902,700	19,918,900	260,233,800
(NUCLEAR EXCLUDING INTEREST, BUT INCLUDING OIL)							
NUCLEAR.	7,716,281	6,939,411	7,644,465	6,966,749	5,490,407	6,192,150	75,952,057
OTHER	0	0	0	0	0	0	0
RECEIVED PJM	20,934,000	18,184,000	10,810,000	14,000,000	22,831,000	17,221,000	222,901,000
DELIV'D PJM	(2,127,000)	(1,517,000)	(1,246,000)	(1,277,000)	(168,000)	(714,000)	(12,039,000)
STEAM-HT PP	1,291,000	764,000	402,000	170,000	95,000	97,000	5,138,000
ME,PPL & DPL	1,280	1,280	1,280	1,280	1,280	1,280	14,856
2PARTY TRANS	6,932,000	6,012,000	5,956,000	5,131,000	5,769,000	6,218,000	73,476,000
INTCH & PUR	27,031,280	23,444,280	15,923,280	18,025,280	28,528,280	22,823,280	289,490,856
INFORMATION FOR RATE DIVISION ($'S EXCLUDE FUEL HANDLING)							
$-FIN.CHGS	59,040,361	45,264,391	38,751,445	38,026,929	48,921,387	48,934,330	625,676,713
FIN.CHGS	2,111,599	2,028,856	1,946,112	1,882,239	1,818,366	1,754,493	21,495,247
$&FIN.CHGS	61,151,960	47,293,247	40,697,557	39,909,168	50,739,753	50,688,823	647,171,960
(GAS $ INCLUDED IN COAL-PE STM)							
TOTAL GAS	0	0	44,000	392,000	378,000	688,000	3,971,000
INFORMATION FOR GEN. ACC. BUDGET GRP. (TOTAL FUEL HAND. $)							
FUEL HANDL'G	0	0	0	0	0	0	4,922,189

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ELECTRIC GENERATION AND FUEL COST ESTIMATES

MWH	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
OIL-PE STN.	232,000	237,000	197,000	166,000	223,000	210,000
COAL-PE STN.	292,000	262,000	196,000	168,000	185,000	238,000
COAL-MINEMTH	305,000	317,000	331,000	303,000	349,000	366,000
INT.COMB.	10,830	9,980	20,060	9,900	6,480	7,770
TOTAL FOSSIL	839,830	825,980	744,060	646,900	763,480	821,770
MWH NUCLEAR	869,690	809,728	528,583	521,858	426,743	770,083
NET HYDRO	25,000	(5,000)	8,000	41,000	82,000	140,000
OTHER	0	0	0	0	0	0
RECEIVED PJM	902,000	939,000	955,000	965,000	808,000	634,000
DELIV'D PJM	(5,000)	(6,000)	0	(2,000)	(1,000)	(11,000)
STEAM-HT PP	2,100	3,700	3,800	7,300	17,700	18,900
ME,PPL & DPL	16	16	16	16	16	16
2PARTY TRANS	213,000	201,000	193,000	202,000	211,000	209,000
INTCH & PUR	1,112,116	1,137,716	1,151,816	1,172,316	1,035,716	850,916
TOTAL OUTPUT	2,846,636	2,768,424	2,432,459	2,382,074	2,307,939	2,582,769
$						
OIL-PE STN	12,726,000	12,971,000	10,799,000	9,636,000	12,442,000	11,892,000
COAL-PE STN	6,526,000	5,885,000	4,356,000	3,821,000	4,199,000	5,412,000
MINEMOUTH	4,419,000	4,521,000	4,803,000	4,492,000	5,113,000	5,367,000
INT.COMB	759,700	736,500	1,430,500	679,000	453,000	546,000
TOTAL FOSSIL	24,430,700	24,113,500	21,388,500	18,628,000	22,207,000	23,217,000
(NUCLEAR EXCLUDING INTEREST, BUT INCLUDING OIL)						
NUCLEAR.	6,384,236	5,940,725	3,894,442	3,879,501	3,167,838	5,711,493
OTHER	0	0	0	0	0	0
RECEIVED PJM	31,846,000	35,061,000	37,577,000	37,811,000	30,891,000	23,729,000
DELIV'D PJM	(317,000)	(385,000)	(1,000)	(141,000)	(31,000)	(675,000)
STEAM-HT PP	75,000	137,000	149,000	293,000	713,000	777,000
ME,PPL & DPL	1,280	1,280	1,280	1,280	1,280	1,280
2PARTY TRANS	6,843,000	6,459,000	6,186,000	6,603,000	6,899,000	6,819,000
INTCH & PUR	38,448,280	41,273,280	43,912,280	44,567,280	38,473,280	30,651,280
INFORMATION FOR RATE DIVISION ($'S EXCLUDE FUEL HANDLING)						
$-FIN.CHGS	69,263,216	71,327,505	69,195,222	67,074,781	63,848,118	59,579,773
FIN.CHGS	1,690,620	1,644,860	1,599,099	1,553,338	2,011,541	1,940,131
$&FIN.CHGS	70,953,836	72,972,365	70,794,321	68,628,119	65,859,659	61,519,904
(GAS $ INCLUDED IN COAL-PE STN)						
TOTAL GAS	718,000	642,000	434,000	115,000	0	0
INFORMATION FOR GEN. ACC. BUDGET GRP. (TOTAL FUEL HAND. $)						
FUEL HANDL'G	0	0	0	0	0	10,585,211

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ELECTRIC GENERATION AND FUEL COST ESTIMATES

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
MWH							
OIL-PE STM.	402,000	186,000	261,000	201,000	99,000	194,000	2,608,000
COAL-PE STM.	371,000	316,000	271,000	213,000	292,000	300,000	3,104,000
COAL-MINEMTH	269,000	311,000	371,000	285,000	287,000	348,000	3,842,000
INT.COMB.	48,080	3,140	7,830	2,120	1,140	5,880	133,210
TOTAL FOSSIL	1,090,080	816,140	910,830	701,120	679,140	847,880	9,687,210
MWH NUCLEAR	987,238	990,044	997,050	588,421	560,972	542,851	8,593,261
NET HYDRO	93,000	139,000	219,000	210,000	157,000	61,000	1,170,000
OTHER	0	0	0	0	0	0	0
RECEIVED PJM	449,000	364,000	242,000	578,000	754,000	803,000	8,393,000
DELIV'D PJM	(42,000)	(57,000)	(64,000)	(12,000)	(2,000)	(1,000)	(203,000)
STEAM-HT PP	29,200	23,300	21,800	7,400	2,000	2,900	140,100
ME,PPL & DPL	16	16	16	16	16	16	192
2PARTY TRANS	219,000	204,000	209,000	207,000	218,000	208,000	2,494,000
INTCH & PUR	655,216	534,316	408,816	780,416	972,016	1,012,916	10,824,292
TOTAL OUTPUT	2,825,534	2,479,500	2,535,696	2,279,957	2,369,128	2,464,647	30,274,763
$							
OIL-PE STM	22,951,000	11,473,000	15,016,000	11,636,000	6,148,000	11,474,000	149,164,000
COAL-PE STM	8,643,000	7,387,000	6,342,000	5,076,000	6,876,000	7,101,000	71,624,000
MINEMOUTH	4,009,000	4,688,000	5,603,000	4,395,000	4,438,000	5,275,000	57,123,000
INT.COMB	3,680,600	224,000	559,000	153,300	85,000	440,100	9,746,700
TOTAL FOSSIL	39,283,600	23,772,000	27,520,000	21,260,300	17,547,000	24,290,100	287,657,700
(NUCLEAR EXCLUDING INTEREST, BUT INCLUDING OIL)							
NUCLEAR.	7,403,959	7,495,067	7,475,846	4,528,332	4,325,078	4,185,424	64,391,941
OTHER	0	0	0	0	0	0	0
RECEIVED PJM	21,391,000	14,674,000	9,317,000	22,472,000	28,409,000	31,517,000	324,695,000
DELIV'D PJM	(3,298,000)	(3,541,000)	(3,826,000)	(684,000)	(106,000)	(68,000)	(13,073,000)
STEAM-HT PP	1,567,000	1,066,000	948,000	308,000	81,000	116,000	6,230,000
ME,PPL & DPL	1,369	1,369	1,369	1,369	1,369	1,369	15,894
2PARTY TRANS	7,339,000	6,845,000	7,018,000	7,014,000	7,371,000	7,053,000	82,449,000
INTCH & PUR	27,000,369	19,045,369	13,458,369	29,111,369	35,756,369	38,619,369	400,316,894
INFORMATION FOR RATE DIVISION ($'S EXCLUDE FUEL HANDLING)							
$-FIN.CHGS	73,687,928	50,312,436	48,454,215	54,900,001	57,628,447	67,094,893	752,366,535
FIN.CHGS	2,405,310	2,297,737	2,210,272	2,122,807	2,035,342	1,947,877	23,458,934
$&FIN.CHGS	76,093,238	52,610,173	50,664,487	57,022,808	59,663,789	69,042,770	775,825,469
(GAS $ INCLUDED IN COAL-PE STM)							
TOTAL GAS	0	0	0	0	588,000	752,000	3,249,000
INFORMATION FOR GEN. ACC. BUDGET GRP. (TOTAL FUEL HAND. $)							
FUEL HANDL'G	0	0	0	0	0	0	10,585,211

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STATEMENT OF OPERATIONS - ELECTRIC PRODUCTION 2 OF 5

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D-21 backup
Limerick out

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
OPERATING STATISTICS - MWH OUTPUT (CONTINUED)						
INTERCHANGE & PURCHASE						
INTERCHANGE POWER						
RECEIVED PJM	532,000	530,000	537,000	467,000	644,000	739,000
DELIV'D PJM	(19,000)	(22,000)	(9,000)	(25,000)	(4,000)	(4,000)
NET INTCH	513,000	508,000	528,000	442,000	640,000	735,000
PURCHASED POWER						
PUR POWER	1,416	3,816	3,816	9,616	18,416	22,416
TWO PARTY TRANSACTIONS						
ALLGH'Y PWR	210,000	204,000	192,000	213,000	219,000	201,000
CENTL HDS'N	0	0	0	0	0	0
TOTAL INTERCHANGE & PURCHASE						
INTCH & PUR	724,416	715,816	723,816	664,616	877,416	958,416
HYDRO						
HYDRO-RIVER FLOW GENERATION						
CONOWINGO	77,000	53,000	54,000	91,000	122,000	183,000
PUMP STORAGE GENERATION						
MUDDY RUN	126,000	99,000	93,000	80,000	72,000	94,000
PUMP STORAGE INPUT						
M R INPUT	(178,000)	(154,000)	(133,000)	(110,000)	(115,000)	(130,000)
NET HYDRO	25,000	(2,000)	14,000	61,000	79,000	147,000
OTHER PRODUCTION (PRECOMMERCIAL)						
OTHER	0	0	0	0	0	0
(NOTE: SALEM 2 MWH SOLD TO GPU INCLUDED IN TOTAL.OUTPUT)						
TOTAL.OUTPUT	2,858,579	2,802,432	2,465,920	2,354,903	2,386,063	2,620,979
SALES	2,531,700	2,573,200	2,481,800	2,210,400	2,138,800	2,394,200
COMPANY USE	2,723	2,635	2,926	2,323	3,324	4,231
(NOTE: SALEM 2 MWH SOLD TO GPU EXCLUDED IN "LOSS" CALCULATIONS)						
LOSSES	324,156	226,597	(18,806)	142,180	243,939	222,548
%LOSS-OUTPUT	11.34	8.09	(0.76)	6.04	10.22	8.49

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STATEMENT OF OPERATIONS - ELECTRIC PRODUCTION 2 OF 5

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
OPERATING STATISTICS - M&H OUTPUT (CONTINUED)							
INTERCHANGE & PURCHASE							
INTERCHANGE POWER							
RECEIVED PJM	538,000	525,000	367,000	451,000	679,000	559,000	6,568,000
DELIV'D PJM	(32,000)	(28,000)	(28,000)	(29,000)	(3,000)	(13,000)	(216,000)
NET INTCH	506,000	497,000	339,000	422,000	676,000	546,000	6,352,000
PURCHASED POWER							
PUR POWER	29,716	19,616	12,716	5,316	2,816	2,816	132,492
TWO PARTY TRANSACTIONS							
ALLGH'Y PWR	223,000	194,000	191,000	164,000	184,000	198,000	2,393,000
CENTL HDS'N	0	0	0	0	0	0	0
TOTAL INTERCHANGE & PURCHASE							
INTCH & PUR	756,716	710,616	542,716	591,316	862,816	746,816	8,877,492
HYDRO							
HYDRO-RIVER FLOW GENERATION							
CONOWINGO	142,000	172,000	251,000	262,000	213,000	119,000	1,739,000
PUMP STORAGE GENERATION							
MUDDY RUN	96,000	98,000	106,000	92,000	83,000	115,000	1,154,000
PUMP STORAGE INPUT							
M R INPUT	(139,000)	(144,000)	(158,000)	(132,000)	(129,000)	(165,000)	(1,687,000)
NET HYDRO	99,000	126,000	199,000	222,000	167,000	69,000	1,206,000
OTHER PRODUCTION (PRECOMMERCIAL)							
OTHER	0	0	0	0	0	0	0
(NOTE: SALEM 2 M&H SOLD TO GPU INCLUDED IN TOTAL.OUTPUT)							
TOTAL.OUTPUT	2,801,990	2,441,909	2,499,828	2,289,936	2,346,813	2,448,890	30,318,242
SALES	2,585,000	2,461,000	2,331,000	2,243,000	2,069,000	2,240,000	28,259,100
COMPANY USE	4,950	5,153	5,464	4,640	3,423	2,723	44,515
(NOTE: SALEM 2 M&H SOLD TO GPU EXCLUDED IN "LOSS" CALCULATIONS)							
LOSSES	212,040	(24,244)	163,364	42,296	274,390	206,167	2,014,627
%LOSS-OUTPUT	7.57	(0.99)	6.54	1.85	11.69	8.42	6.64

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	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
OPERATING STATISTICS - MWH OUTPUT (CONTINUED)						
INTERCHANGE & PURCHASE						
INTERCHANGE POWER						
RECEIVED PJM	902,000	939,000	955,000	965,000	808,000	634,000
DELIV'D PJM	(5,000)	(6,000)	0	(2,000)	(1,000)	(11,000)
NET INTCH	897,000	933,000	955,000	963,000	807,000	623,000
PURCHASED POWER						
PUR POWER	2,116	3,716	3,816	7,316	17,716	18,916
TWO PARTY TRANSACTIONS						
ALLGH'Y PWR	213,000	201,000	193,000	202,000	211,000	209,000
CENTL HDS'N	0	0	0	0	0	0
TOTAL INTERCHANGE & PURCHASE						
INTCH & PUR	1,112,116	1,137,716	1,151,816	1,172,316	1,035,716	850,916
HYDRO						
HYDRO-RIVER FLOW GENERATION						
CONOWINGO	74,000	53,000	53,000	87,000	126,000	177,000
PUMP STORAGE GENERATION						
MUDDY RUN	123,000	100,000	101,000	105,000	88,000	100,000
PUMP STORAGE INPUT						
M R INPUT	(172,000)	(158,000)	(146,000)	(151,000)	(132,000)	(137,000)
NET HYDRO	25,000	(5,000)	8,000	41,000	82,000	140,000
OTHER PRODUCTION (PRECOMMERCIAL)						
OTHER	0	0	0	0	0	0
(NOTE: SALEM 2 MWH SOLD TO GPU INCLUDED IN TOTAL.OUTPUT)						
TOTAL.OUTPUT	2,846,636	2,768,424	2,432,459	2,382,074	2,307,939	2,582,769
SALES	2,543,000	2,584,000	2,495,000	2,223,000	2,150,000	2,405,000
COMPANY USE	2,723	2,635	2,926	2,323	3,324	4,231
(NOTE: SALEM 2 MWH SOLD TO GPU EXCLUDED IN "LOSS" CALCULATIONS)						
LOSSES	300,913	181,789	(65,467)	156,751	154,615	173,539
%LOSS-OUTPUT	10.57	6.57	(2.69)	6.58	6.70	6.72

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STATEMENT OF OPERATIONS - ELECTRIC PRODUCTION 2 OF 5

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	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
OPERATING STATISTICS - MWH OUTPUT (CONTINUED)							
INTERCHANGE & PURCHASE							
INTERCHANGE POWER							
RECEIVED PJM	449,000	364,000	242,000	578,000	754,000	803,000	8,393,000
DELIV'D PJM	(42,000)	(57,000)	(64,000)	(12,000)	(2,000)	(1,000)	(203,000)
NET INTCH	407,000	307,000	178,000	566,000	752,000	802,000	8,190,000
PURCHASED POWER							
PUR POWER	29,216	23,316	21,816	7,416	2,016	2,916	140,292
TWO PARTY TRANSACTIONS							
ALLGH'Y PWR	219,000	204,000	209,000	207,000	218,000	208,000	2,494,000
CENTL HDS'N	0	0	0	0	0	0	0
TOTAL INTERCHANGE & PURCHASE							
INTCH & PUR	655,216	534,316	408,816	780,416	972,016	1,012,916	10,824,292
HYDRO							
HYDRO-RIVER FLOW GENERATION							
CONOWINGO	136,000	180,000	259,000	259,000	213,000	107,000	1,724,000
PUMP STORAGE GENERATION							
MUDDY RUN	65,000	96,000	100,000	94,000	113,000	108,000	1,193,000
PUMP STORAGE INPUT							
M R INPUT	(108,000)	(137,000)	(140,000)	(143,000)	(169,000)	(154,000)	(1,747,000)
NET HYDRO	93,000	139,000	219,000	210,000	157,000	61,000	1,170,000
OTHER PRODUCTION (PRECOMMERCIAL)							
OTHER	0	0	0	0	0	0	0
(NOTE: SALEM 2 MWH SOLD TO GPU INCLUDED IN TOTAL.OUTPUT)							
TOTAL.OUTPUT	2,925,534	2,479,500	2,535,696	2,279,957	2,369,128	2,464,647	30,274,763
SALES	2,596,000	2,472,000	2,340,000	2,253,000	2,077,000	2,250,000	28,388,000
COMPANY USE	4,950	5,153	5,464	4,640	3,423	2,723	44,515
(NOTE: SALEM 2 MWH SOLD TO GPU EXCLUDED IN "LOSS" CALCULATIONS)							
LOSSES	224,584	2,347	190,232	22,317	288,705	211,924	1,842,248
%LOSS-OUTPUT	7.95	0.09	7.50	0.98	12.19	8.60	6.09

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M&H DISTRIBUTION 1 OF 4

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
OIL						
PE REHEAT OIL						
SCHUYLKILL#1	34,000	45,000	34,000	21,000	49,000	31,000
EDDYSTONE#3	51,000	56,000	63,000	90,000	73,000	34,000
EDDYSTONE#4	51,000	51,000	55,000	90,000	77,000	40,000
CROMBY#2	63,000	71,000	65,000	86,000	95,000	67,000
DELAWARE#7	21,000	27,000	33,000	41,000	41,000	21,000
DELAWARE#8	22,000	22,000	29,000	40,000	10,000	19,000
M&H R H OIL	242,000	272,000	279,000	368,000	345,000	212,000
PE MARGINAL OIL						
RICHMOND#9	0	0	0	0	0	0
SOUTHWARK#1	6,000	7,000	5,000	6,000	8,000	0
SOUTHWARK#2	6,000	4,000	4,000	6,000	6,000	0
M&H MARG OIL	12,000	11,000	9,000	12,000	14,000	0
REHEAT & MARGINAL OIL						
M&H OIL	254,000	283,000	288,000	380,000	359,000	212,000
PE COAL						
EDDYSTONE#1	123,000	125,000	116,000	128,000	119,000	124,000
EDDYSTONE#2	131,000	149,000	16,000	0	0	61,000
CROMBY#1	59,000	68,000	55,000	80,000	73,000	59,000
M&H COAL	313,000	342,000	187,000	208,000	192,000	244,000
PHILA. AREA OIL AND COAL.						
PHILA STEAM	567,000	625,000	475,000	588,000	551,000	456,000
MEMO - STATION TOTALS						
EDDYSTONE	356,000	381,000	250,000	308,000	269,000	259,000
CROMBY	122,000	139,000	120,000	166,000	168,000	126,000
DELAWARE7&8	43,000	49,000	62,000	81,000	51,000	40,000
SOUTHWARK1&2	12,000	11,000	9,000	12,000	14,000	0

M&H DISTRIBUTION 1 OF 4

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
OIL							
PE REHEAT OIL							
SCHUYLKILL#1	38,000	20,000	7,000	15,000	19,000	21,000	334,000
EDDYSTONE#3	41,000	2,000	12,000	13,000	24,000	28,000	487,000
EDDYSTONE#4	39,000	15,000	0	11,000	24,000	21,000	474,000
CROMBY#2	43,000	12,000	31,000	40,000	49,000	56,000	678,000
DELAWARE#7	29,000	15,000	8,000	11,000	6,000	21,000	274,000
DELAWARE#8	26,000	15,000	4,000	10,000	11,000	12,000	220,000
M&H R H OIL	216,000	79,000	62,000	100,000	133,000	159,000	2,467,000
PE MARGINAL OIL							
RICHMOND#9	0	0	0	0	0	0	0
SOUTHWARK#1	0	0	0	0	0	0	32,000
SOUTHWARK#2	0	0	0	0	0	0	26,000
M&H MARG OIL	0	0	0	0	0	0	58,000
REHEAT & MARGINAL OIL							
M&H OIL	216,000	79,000	62,000	100,000	133,000	159,000	2,525,000
PE COAL							
EDDYSTONE#1	131,000	113,000	116,000	20,000	0	94,000	1,209,000
EDDYSTONE#2	147,000	108,000	122,000	107,000	122,000	129,000	1,092,000
CROMBY#1	76,000	49,000	34,000	21,000	25,000	55,000	654,000
M&H COAL	354,000	270,000	272,000	148,000	147,000	278,000	2,955,000
PHILA. AREA OIL AND COAL.							
PHILA STEAM	570,000	349,000	334,000	248,000	280,000	437,000	5,480,000
MEMO - STATION TOTALS							
EDDYSTONE	358,000	238,000	250,000	151,000	170,000	272,000	3,262,000
CROMBY	119,000	61,000	65,000	61,000	74,000	111,000	1,332,000
DELAWARE7&8	55,000	30,000	12,000	21,000	17,000	33,000	494,000
SOUTHWARK1&2	0	0	0	0	0	0	58,000

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M&H DISTRIBUTION 1 OF 4

	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
OIL						
PE REHEAT OIL						
SCHUYLKILL#1	35,000	36,000	19,000	15,000	37,000	32,000
EDDYSTONE#3	41,000	51,000	38,000	27,000	37,000	37,000
EDDYSTONE#4	53,000	46,000	40,000	31,000	28,000	38,000
CROMBY#2	58,000	58,000	59,000	61,000	75,000	61,000
DELAWARE#7	24,000	23,000	21,000	22,000	24,000	18,000
DELAWARE#8	21,000	23,000	20,000	10,000	22,000	24,000
M&H R H OIL	232,000	237,000	197,000	166,000	223,000	210,000
PE MARGINAL OIL						
RICHMOND#9	0	0	0	0	0	0
SOUTHWARK#1	0	0	0	0	0	0
SOUTHWARK#2	0	0	0	0	0	0
M&H MARG OIL	0	0	0	0	0	0
REHEAT & MARGINAL OIL						
M&H OIL	232,000	237,000	197,000	166,000	223,000	210,000
PE COAL						
EDDYSTONE#1	104,000	103,000	141,000	101,000	113,000	125,000
EDDYSTONE#2	129,000	105,000	0	0	0	44,000
CROMBY#1	59,000	54,000	55,000	67,000	72,000	69,000
M&H COAL	292,000	262,000	196,000	168,000	185,000	238,000
PHILA. AREA OIL AND COAL.						
PHILA STEAM	524,000	499,000	393,000	334,000	408,000	448,000
MEMO - STATION TOTALS						
EDDYSTONE	327,000	305,000	219,000	159,000	178,000	244,000
CROMBY	117,000	112,000	114,000	128,000	147,000	130,000
DELAWARE7&8	45,000	46,000	41,000	32,000	46,000	42,000
SOUTHWARK1&2	0	0	0	0	0	0

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NO LAMERICK1 7/1/86 - 6/30/88

M&H DISTRIBUTION 1 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
OIL							
PE REHEAT OIL							
SCHUYLKILL#1	65,000	36,000	41,000	29,000	21,000	31,000	397,000
EDDYSTONE#3	81,000	38,000	45,000	32,000	9,000	38,000	474,000
EDDYSTONE#4	97,000	44,000	48,000	31,000	0	37,000	493,000
CROMBY#2	77,000	18,000	77,000	65,000	51,000	47,000	707,000
DELAWARE#7	41,000	27,000	26,000	18,000	8,000	21,000	273,000
DELAWARE#8	41,000	23,000	24,000	26,000	10,000	20,000	264,000
M&H R H OIL	402,000	186,000	261,000	201,000	99,000	194,000	2,608,000
PE MARGINAL OIL							
RICHMOND#9	0	0	0	0	0	0	0
SOUTHWARK#1	0	0	0	0	0	0	0
SOUTHWARK#2	0	0	0	0	0	0	0
M&H MARG OIL	0	0	0	0	0	0	0
REHEAT & MARGINAL OIL							
M&H OIL	402,000	186,000	261,000	201,000	99,000	194,000	2,608,000
PE COAL							
EDDYSTONE#1	138,000	114,000	133,000	91,000	124,000	115,000	1,402,000
EDDYSTONE#2	155,000	118,000	124,000	122,000	123,000	119,000	1,039,000
CROMBY#1	78,000	84,000	14,000	0	45,000	66,000	663,000
M&H COAL	371,000	316,000	271,000	213,000	292,000	300,000	3,104,000
PHILA. AREA OIL AND COAL.							
PHILA STEAM	773,000	502,000	532,000	414,000	391,000	494,000	5,712,000
MEMO - STATION TOTALS							
EDDYSTONE	471,000	314,000	350,000	276,000	256,000	309,000	3,408,000
CROMBY	155,000	102,000	91,000	65,000	96,000	113,000	1,370,000
DELAWARE7&8	82,000	50,000	50,000	44,000	18,000	41,000	537,000
SOUTHWARK1&2	0	0	0	0	0	0	0

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M&H DISTRIBUTION 2 OF 4

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
MINEMOUTH (PE SHARE)						
KEYSTONE#1	83,000	95,000	44,000	52,000	96,000	91,000
KEYSTONE#2	91,000	99,000	98,000	97,000	78,000	93,000
KEYSTONE STA	174,000	194,000	142,000	149,000	174,000	184,000
CONEMAUGH#1	95,000	99,000	85,000	87,000	89,000	91,000
CONEMAUGH#2	101,000	80,000	92,000	98,000	80,000	82,000
CONEMAUGHSTA	196,000	179,000	177,000	185,000	169,000	173,000
MINEMOUTH	370,000	373,000	319,000	334,000	343,000	357,000
PHILA. AREA OIL & COAL, AND MINEMOUTH COAL.						
FOSSIL STEAM	937,000	998,000	794,000	922,000	894,000	813,000
NUCLEAR (PE SHARE)						
PEACH BOT#2	277,766	279,553	294,736	111,642	0	0
PEACH BOT#3	274,417	262,983	254,188	279,695	255,067	244,513
PCH BOT STA	552,183	542,536	548,924	391,337	255,067	244,513
SALEM#1	295,000	275,000	289,000	292,000	255,000	276,000
SALEM#2	305,000	250,000	78,000	0	0	173,000
SALEM STA	600,000	525,000	367,000	292,000	255,000	449,000
LIM1	0	0	0	0	0	0
LIM2	0	0	0	0	0	0
LIM STA	0	0	0	0	0	0
M&H NUCLEAR	1,152,183	1,067,536	915,924	683,337	510,067	693,513
OTHER (PRECOMMERCIAL)						
LIMERICK 1	0	0	0	0	0	0
LIMERICK 2	0	0	0	0	0	0
OTHER	0	0	0	0	0	0

M&M DISTRIBUTION 2 OF 4

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
MINEMOUTH (PE SHARE)							
KEYSTONE#1	89,000	88,000	91,000	75,000	77,000	84,000	965,000
KEYSTONE#2	95,000	90,000	103,000	9,000	41,000	101,000	995,000
KEYSTONE STA	184,000	178,000	194,000	84,000	118,000	185,000	1,960,000
CONEMAUGH#1	73,000	80,000	90,000	94,000	87,000	79,000	1,049,000
CONEMAUGH#2	35,000	31,000	79,000	95,000	80,000	82,000	935,000
CONEMAUGHSTA	108,000	111,000	169,000	189,000	167,000	161,000	1,984,000
MINEMOUTH	292,000	289,000	363,000	273,000	285,000	346,000	3,944,000
PHILA. AREA OIL & COAL, AND MINEMOUTH COAL.							
FOSSIL STEAM	862,000	638,000	697,000	521,000	565,000	783,000	9,424,000
NUCLEAR (PE SHARE)							
PEACH BOT#2	268,835	265,263	294,736	258,117	229,537	274,194	2,554,379
PEACH BOT#3	291,129	250,670	238,356	109,943	0	0	2,460,961
PCH BOT STA	559,964	515,933	533,092	368,060	229,537	274,194	5,015,340
SALEM#1	299,000	250,000	278,000	286,000	280,000	286,000	3,361,000
SALEM#2	213,000	198,000	247,000	301,000	240,000	285,000	2,290,000
SALEM STA	512,000	448,000	525,000	587,000	520,000	571,000	5,651,000
LIM1	0	0	0	0	0	0	0
LIM2	0	0	0	0	0	0	0
LIM STA	0	0	0	0	0	0	0
M&M NUCLEAR	1,071,964	963,933	1,058,092	955,060	749,537	845,194	10,666,340
OTHER (PRECOMMERCIAL)							
LIMERICK 1	0	0	0	0	0	0	0
LIMERICK 2	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0

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M&H DISTRIBUTION 2 OF 4

	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
MINEMOUTH (PE SHARE)						
KEYSTONE#1	73,000	99,000	83,000	14,000	98,000	97,000
KEYSTONE#2	86,000	93,000	87,000	104,000	85,000	91,000
KEYSTONE STA	159,000	192,000	170,000	118,000	183,000	188,000
CONEMAUGH#1	54,000	27,000	75,000	88,000	84,000	98,000
CONEMAUGH#2	92,000	98,000	86,000	97,000	82,000	80,000
CONEMAUGHSTA	146,000	125,000	161,000	185,000	166,000	178,000
MINEMOUTH	305,000	317,000	331,000	303,000	349,000	366,000
PHILA. AREA OIL & COAL, AND MINEMOUTH COAL.						
FOSSIL STEAM	829,000	816,000	724,000	637,000	757,000	814,000
NUCLEAR (PE SHARE)						
PEACH BOT#2	261,690	269,728	262,583	226,858	202,743	220,606
PEACH BOT#3	0	0	0	0	0	237,477
PCH BOT STA	261,690	269,728	262,583	226,858	202,743	458,083
SALEM#1	295,000	253,000	34,000	0	0	0
SALEM#2	313,000	287,000	232,000	295,000	224,000	312,000
SALEM STA	608,000	540,000	266,000	295,000	224,000	312,000
LIM1	0	0	0	0	0	0
LIM2	0	0	0	0	0	0
LIM STA	0	0	0	0	0	0
M&H NUCLEAR	869,690	809,728	528,583	521,858	426,743	770,083
OTHER (PRECOMMERCIAL)						
LIMERICK 1	0	0	0	0	0	0
LIMERICK 2	0	0	0	0	0	0
OTHER	0	0	0	0	0	0

M&H DISTRIBUTION 2 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
MINEMOUTH (PE SHARE)							
KEYSTONE#1	85,000	84,000	96,000	97,000	100,000	100,000	1,020,000
KEYSTONE#2	90,000	90,000	101,000	9,000	24,000	84,000	944,000
KEYSTONE STA	175,000	176,000	197,000	106,000	124,000	184,000	1,972,000
CONEMAUGH#1	84,000	94,000	78,000	88,000	81,000	87,000	938,000
CONEMAUGH#2	10,000	41,000	96,000	91,000	82,000	77,000	932,000
CONEMAUGHSTA	94,000	135,000	174,000	179,000	163,000	164,000	1,870,000
MINEMOUTH	269,000	311,000	371,000	285,000	287,000	348,000	3,842,000
PHILA. AREA OIL & COAL, AND MINEMOUTH COAL.							
FOSSIL STEAM	1,042,000	813,000	903,000	699,000	678,000	842,000	9,554,000
NUCLEAR (PE SHARE)							
PEACH BOT#2	282,232	206,315	291,164	29,474	0	0	2,253,393
PEACH BOT#3	219,006	213,729	219,886	255,947	284,972	285,851	1,716,868
PCH BOT STA	501,238	420,044	511,050	285,421	284,972	285,851	3,970,261
SALEM#1	184,000	266,000	207,000	268,000	276,000	257,000	2,040,000
SALEM#2	302,000	304,000	279,000	35,000	0	0	2,583,000
SALEM STA	486,000	570,000	486,000	303,000	276,000	257,000	4,623,000
LIM1	0	0	0	0	0	0	0
LIM2	0	0	0	0	0	0	0
LIM STA	0	0	0	0	0	0	0
M&H NUCLEAR	987,238	990,044	997,050	588,421	560,972	542,851	8,593,261
OTHER (PRECOMMERCIAL)							
LIMERICK 1	0	0	0	0	0	0	0
LIMERICK 2	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0

MAI DISTRIBUTION 3 OF 4

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
DIESELS						
CROMBY D 1&2	0	80	0	60	0	110
DELAWARE D	20	0	0	0	0	0
SOUTHWARK D	0	0	0	0	0	0
SCHUYLKILL D	30	0	20	40	0	0
PE DIESELS	50	80	20	100	0	110
KEYSTONE D	20	0	0	0	0	0
CONEMAUGH D	10	0	0	0	0	0
DIESEL	80	80	20	100	0	110
GAS TURBINES						
RICH GE CT	3,680	4,050	3,320	5,550	7,550	1,440
RICH NE CT	0	0	0	0	0	0
RICH WO CT	0	0	0	0	0	0
RICHCT TOTAL	3,680	4,050	3,320	5,550	7,550	1,440
SOUTHWARK CT	460	460	0	0	0	0
EDDYSTONE CT	450	480	0	0	0	0
DELAWARE CT	450	480	40	0	0	0
SCHUYLKILLCT	300	240	0	0	0	0
CHESTER CT	260	290	0	0	0	0
FALLS CT	450	420	0	0	0	0
MOSER CT	400	420	0	0	80	0
PLY MTG CT	0	0	0	0	0	0
SUBTOTAL	6,450	6,840	3,360	5,550	7,630	1,440
CROYDON	13,400	16,100	14,800	18,300	17,900	7,500
GAS TURBINES	19,850	22,940	18,160	23,850	25,530	8,940
SALEM CT	50	60	0	0	50	0
TOTAL CT	19,900	23,000	18,160	23,850	25,580	8,940
TOTAL CT AND DIESEL TOTAL IC	19,980	23,080	18,180	23,950	25,580	9,050
SIMPLE CYCLE (INC. SALEM CT) CT TOTAL	6,500	6,900	3,360	5,550	7,680	1,440

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
DIESELS							
CROMBY D 1&2	0	30	40	20	40	20	400
DELAWARE D	10	10	0	40	0	40	120
SOUTHWARK D	0	0	0	0	0	0	0
SCHUYLKILL D	0	0	0	0	0	40	130
PE DIESELS	10	40	40	60	40	100	650
KEYSTONE D	0	0	0	0	0	0	20
CONEMAUGH D	0	0	0	0	0	0	10
DIESEL	10	40	40	60	40	100	680
GAS TURBINES							
RICH GE CT	3,600	720	1,150	0	120	1,470	32,650
RICH WE CT	0	0	0	0	0	0	0
RICH WO CT	0	0	0	0	0	0	0
RICHCT TOTAL	3,600	720	1,150	0	120	1,470	32,650
SOUTHWARK CT	0	0	0	0	0	0	920
EDDYSTONE CT	0	0	0	0	0	0	930
DELAWARE CT	0	0	40	0	0	30	1,040
SCHUYLKILLCT	0	0	40	0	0	30	610
CHESTER CT	0	0	0	0	0	0	550
FALLS CT	0	0	120	0	0	90	1,080
MOSER CT	0	0	0	0	0	60	960
PLY MTG CT	0	0	0	0	0	0	0
SUBTOTAL	3,600	720	1,350	0	120	1,680	38,740
CROYDON	6,700	2,600	1,600	500	2,300	3,100	104,800
GAS TURBINES	10,300	3,320	2,950	500	2,420	4,780	143,540
SALEM CT	0	0	30	0	0	0	190
TOTAL CT	10,300	3,320	2,980	500	2,420	4,780	143,730
TOTAL CT AND DIESEL							
TOTAL IC	10,310	3,360	3,020	560	2,460	4,880	144,410
SIMPLE CYCLE (INC. SALEM CT)							
CT TOTAL	3,600	720	1,380	0	120	1,680	38,930

M&H DISTRIBUTION 3 OF 4

	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
DIESELS						
CROMBY D 1&2	120	40	40	0	0	30
DELAWARE D	50	40	0	0	0	0
SOUTHWARK D	0	0	0	0	0	0
SCHUYLKILL D	0	0	30	0	0	50
PE DIESELS	170	80	70	0	0	80
KEYSTONE D	10	0	0	0	0	0
CONEMAUGH D	10	0	0	0	0	0
DIESEL	190	80	70	0	0	80
GAS TURBINES						
RICH GE CT	3,140	2,120	5,550	1,300	780	2,020
RICH WE CT	0	0	0	0	0	0
RICH WO CT	0	0	0	0	0	0
RICHCT TOTAL	3,140	2,120	5,550	1,300	780	2,020
SOUTHWARK CT	150	290	170	0	0	0
EDDYSTONE CT	140	320	210	0	0	0
DELAWARE CT	180	310	300	0	0	0
SCHUYLKILLCT	110	130	270	0	0	0
CHESTER CT	150	200	120	0	0	0
FALLS CT	220	200	650	0	0	120
MOSER CT	120	280	260	0	0	80
PLY MTG CT	0	0	0	0	0	0
SUBTOTAL	4,210	3,850	7,530	1,300	780	2,220
CROYDON	6,400	6,000	12,400	8,600	5,700	5,400
GAS TURBINES	10,610	9,850	19,930	9,900	6,480	7,620
SALEM CT	30	50	60	0	0	70
TOTAL CT	10,640	9,900	19,990	9,900	6,480	7,690
TOTAL CT AND DIESEL						
TOTAL IC	10,830	9,980	20,060	9,900	6,480	7,770
SIMPLE CYCLE (INC. SALEM CT)						
CT TOTAL	4,240	3,900	7,590	1,300	780	2,290

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MAN DISTRIBUTION 3 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
DIESELS							
CROMBY D 1&2	0	0	0	20	0	10	260
DELAWARE D	0	0	0	0	40	0	130
SOUTHWARK D	0	0	0	0	0	0	0
SCHUYLKILL D	0	0	0	0	0	0	120
	0	0	40	0	0	0	120
PE DIESELS	0	0	40	20	40	10	510
KEYSTONE D	30	0	0	0	0	0	40
CONEMAUGH D	20	0	0	0	0	0	30
DIESEL	50	0	40	20	40	10	580
GAS TURBINES							
RICH GE CT	11,090	140	790	0	0	920	27,850
RICH WE CT	0	0	0	0	0	0	0
RICH WO CT	0	0	0	0	0	0	0
RICHCT TOTAL	11,090	140	790	0	0	920	27,850
SOUTHWARK CT	560	0	0	0	0	0	1,170
EDDYSTONE CT	900	0	0	0	0	0	1,570
DELAWARE CT	860	0	0	0	0	50	1,700
SCHUYLKILLCT	580	0	0	0	0	30	1,120
CHESTER CT	680	0	0	0	0	0	1,150
FALLS CT	880	0	0	0	0	90	2,160
MOSER CT	750	0	0	0	0	60	1,550
PLY MTG CT	0	0	0	0	0	0	0
SUBTOTAL	16,300	140	790	0	0	1,150	38,270
CROYDON	31,500	3,000	7,000	2,100	1,100	4,700	93,900
GAS TURBINES	47,800	3,140	7,790	2,100	1,100	5,850	132,170
SALEM CT	230	0	0	0	0	20	460
TOTAL CT	48,030	3,140	7,790	2,100	1,100	5,870	132,630
TOTAL CT AND DIESEL TOTAL IC	48,080	3,140	7,830	2,120	1,140	5,880	133,210
SIMPLE CYCLE (INC. SALEM CT) CT TOTAL	16,530	140	790	0	0	1,170	38,730

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FUEL COST 1 OF 4

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
OIL (NO.6 & NO. 2)						
SCHUYLKILL#1	1,811,000	2,008,000	1,547,000	964,000	2,257,000	1,455,000
EDDYSTONE1&2	182,000	166,000	211,000	195,000	189,000	214,000
EDDYSTONE3&4	5,644,000	5,964,000	6,543,000	9,777,000	8,304,000	4,486,000
EDDY 1,2,3,4	5,826,000	6,130,000	6,754,000	9,972,000	8,493,000	4,700,000
ED (SULFUR)	0	0	0	0	218,000	530,000
EDDYSTONE	5,826,000	6,130,000	6,754,000	9,972,000	8,711,000	5,230,000
CROMBY#1	14,000	11,000	13,000	7,000	10,000	13,000
CROMBY#2	2,676,000	3,025,000	2,768,000	3,717,000	4,107,000	2,939,000
CR (SULFUR)	159,000	182,000	150,000	223,000	202,000	165,000
CROMBY	2,849,000	3,218,000	2,931,000	3,947,000	4,319,000	3,117,000
DELAWARE 7&8	2,026,000	2,279,000	2,843,000	3,783,000	2,436,000	1,995,000
RICHMOND	0	0	0	0	0	0
SOUTHWARK1&2	895,000	822,000	692,000	940,000	979,000	0
TOTAL OIL	13,107,000	14,457,000	14,767,000	19,606,000	18,702,000	11,797,000
COAL						
EDDYSTONE#1	2,197,000	2,231,000	2,111,000	2,340,000	2,188,000	2,268,000
EDDYSTONE#2	2,376,000	2,693,000	283,000	0	0	1,132,000
EDDYSTONE	4,573,000	4,924,000	2,394,000	2,340,000	2,188,000	3,400,000
CROMBY#1	1,065,000	1,214,000	1,001,000	1,460,000	1,325,000	1,086,000
TOTAL PECOAL	5,638,000	6,138,000	3,395,000	3,800,000	3,513,000	4,486,000
GAS FOR SCRUBBER						
EDDYSTONE#1	365,000	371,000	345,000	380,000	130,000	0
EDDYSTONE#2	388,000	443,000	47,000	0	0	0
TOTAL GAS	753,000	814,000	392,000	380,000	130,000	0
TOTAL OIL, TOTAL COAL & TOTAL GAS						
PHILA STEAM	19,498,000	21,409,000	18,554,000	23,786,000	22,345,000	16,283,000

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	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
OIL (NO.6 & NO. 2)							
SCHUYLKILL#1	1,870,000	974,000	340,000	756,000	895,000	1,005,000	15,582,000
EDDYSTONE1&2	180,000	182,000	232,000	188,000	194,000	197,000	2,330,000
EDDYSTONE3&4	5,096,000	1,518,000	1,184,000	1,908,000	3,169,000	3,183,000	56,776,000
EDDY 1,2,3,4	5,276,000	1,700,000	1,416,000	2,096,000	3,363,000	3,380,000	59,106,000
ED (SULFUR)	842,000	665,000	675,000	0	0	0	2,930,000
EDDYSTONE	6,118,000	2,365,000	2,091,000	2,096,000	3,363,000	3,380,000	62,036,000
CROMBY#1	8,000	10,000	20,000	10,000	6,000	16,000	138,000
CROMBY#2	1,992,000	620,000	1,485,000	1,837,000	2,212,000	2,544,000	29,922,000
CR (SULFUR)	221,000	143,000	98,000	60,000	71,000	156,000	1,830,000
CROMBY	2,221,000	773,000	1,603,000	1,907,000	2,289,000	2,716,000	31,890,000
DELAWARE 7&8	2,801,000	1,561,000	666,000	1,075,000	927,000	1,666,000	24,058,000
RICHMOND	0	0	0	0	0	0	0
SOUTHWARK1&2	0	0	0	0	0	0	4,328,000
TOTAL OIL	13,010,000	5,673,000	4,700,000	5,834,000	7,474,000	8,767,000	137,894,000
COAL							
EDDYSTONE#1	2,421,000	2,083,000	2,205,000	379,000	0	1,776,000	22,199,000
EDDYSTONE#2	2,735,000	2,021,000	2,311,000	2,032,000	2,328,000	2,439,000	20,350,000
EDDYSTONE	5,156,000	4,104,000	4,516,000	2,411,000	2,328,000	4,215,000	42,549,000
CROMBY#1	1,402,000	910,000	645,000	410,000	476,000	1,036,000	12,030,000
TOTAL PECOAL	6,558,000	5,014,000	5,161,000	2,821,000	2,804,000	5,251,000	54,579,000
GAS FOR SCRUBBER							
EDDYSTONE#1	0	0	19,000	62,000	0	290,000	1,962,000
EDDYSTONE#2	0	0	25,000	330,000	378,000	398,000	2,009,000
TOTAL GAS	0	0	44,000	392,000	378,000	688,000	3,971,000
TOTAL OIL, TOTAL COAL & TOTAL GAS							
PHILA STEAM	19,568,000	10,687,000	9,905,000	9,047,000	10,656,000	14,706,000	196,444,000

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	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
OIL (NO.6 & NO. 2)						
SCHUYLKILL#1	1,709,000	1,744,000	941,000	750,000	1,848,000	1,618,000
EDDYSTONE1&2	287,000	242,000	175,000	239,000	235,000	229,000
EDDYSTONE3&4	5,796,000	5,931,000	4,793,000	4,027,000	4,409,000	4,909,000
EDDY 1,2,3,4	6,003,000	6,173,000	4,968,000	4,266,000	4,644,000	5,138,000
ED (SULFUR)	0	0	0	198,000	350,000	526,000
EDDYSTONE	6,003,000	6,173,000	4,968,000	4,464,000	4,994,000	5,664,000
CROMBY#1	15,000	17,000	14,000	12,000	9,000	13,000
CROMBY#2	2,711,000	2,689,000	2,755,000	2,915,000	3,545,000	2,884,000
CR (SULFUR)	171,000	157,000	161,000	201,000	216,000	208,000
CROMBY	2,897,000	2,863,000	2,930,000	3,128,000	3,770,000	3,105,000
DELAWARE 7&8	2,288,000	2,348,000	2,121,000	1,693,000	2,396,000	2,239,000
RICHMOND	0	0	0	0	0	0
SOUTHWARK1&2	0	0	0	0	0	0
TOTAL OIL	12,897,000	13,128,000	10,960,000	10,035,000	13,008,000	12,626,000
COAL						
EDDYSTONE#1	2,008,000	1,986,000	2,693,000	2,003,000	2,233,000	2,441,000
EDDYSTONE#2	2,494,000	2,056,000	0	0	0	882,000
EDDYSTONE	4,502,000	4,042,000	2,693,000	2,003,000	2,233,000	3,323,000
CROMBY#1	1,135,000	1,044,000	1,068,000	1,304,000	1,400,000	1,355,000
TOTAL PECOAL	5,637,000	5,086,000	3,761,000	3,307,000	3,633,000	4,678,000
GAS FOR SCRUBBER						
EDDYSTONE#1	321,000	317,000	434,000	115,000	0	0
EDDYSTONE#2	397,000	325,000	0	0	0	0
TOTAL GAS	718,000	642,000	434,000	115,000	0	0
TOTAL OIL, TOTAL COAL & TOTAL GAS						
PHILA STEAM	19,252,000	18,856,000	15,155,000	13,457,000	16,641,000	17,304,000

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FUEL COST 1 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
OIL (NO.6 & NO. 2)							
SCHUYLKILL#1	3,382,000	1,882,000	2,146,000	1,512,000	1,130,000	1,608,000	20,270,000
EDDYSTONE1&2	227,000	251,000	198,000	246,000	241,000	255,000	2,745,000
EDDYSTONE3&4	11,133,000	5,667,000	6,112,000	4,346,000	1,205,000	5,021,000	63,349,000
EDDY 1,2,3,4	11,360,000	5,918,000	6,310,000	4,592,000	1,446,000	5,276,000	66,094,000
ED (SULFUR)	964,000	767,000	837,000	683,000	204,000	0	4,529,000
EDDYSTONE	12,324,000	6,685,000	7,147,000	5,275,000	1,650,000	5,276,000	70,623,000
CROMBY#1	9,000	6,000	3,000	0	11,000	13,000	122,000
CROMBY#2	3,796,000	936,000	3,806,000	3,179,000	2,513,000	2,355,000	34,084,000
CR (SULFUR)	249,000	267,000	43,000	0	138,000	206,000	2,017,000
CROMBY	4,054,000	1,209,000	3,852,000	3,179,000	2,662,000	2,574,000	36,223,000
DELAWARE 7&8	4,404,000	2,731,000	2,751,000	2,353,000	1,048,000	2,222,000	28,594,000
RICHMOND	0	0	0	0	0	0	0
SOUTHWARK1&2	0	0	0	0	0	0	0
TOTAL OIL	24,164,000	12,507,000	15,896,000	12,319,000	6,490,000	11,680,000	155,710,000
COAL							
EDDYSTONE#1	2,757,000	2,290,000	2,656,000	1,880,000	2,528,000	2,339,000	27,814,000
EDDYSTONE#2	3,107,000	2,385,000	2,519,000	2,497,000	2,511,000	2,451,000	20,902,000
EDDYSTONE	5,864,000	4,675,000	5,175,000	4,377,000	5,039,000	4,790,000	48,716,000
CROMBY#1	1,566,000	1,678,000	287,000	16,000	907,000	1,353,000	13,113,000
TOTAL PECOAL	7,430,000	6,353,000	5,462,000	4,393,000	5,946,000	6,143,000	61,829,000
GAS FOR SCRUBBER							
EDDYSTONE#1	0	0	0	0	300,000	369,000	1,656,000
EDDYSTONE#2	0	0	0	0	288,000	383,000	1,393,000
TOTAL GAS	0	0	0	0	588,000	752,000	3,249,000
TOTAL OIL, TOTAL COAL & TOTAL GAS PHILA STEAM	31,594,000	18,860,000	21,358,000	16,712,000	13,024,000	18,575,000	220,788,000

DR-STAFF-REQ-1
ATTACHMENT
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FUEL COST 2 OF 4

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
MINEMOUTH (PE SHARE)						
KEYSTN1 COAL	1,042,000	1,190,000	558,000	671,000	1,221,000	1,163,000
KEYSTN2 COAL	1,148,000	1,241,000	1,229,000	1,242,000	994,000	1,187,000
KEYSTONE C	2,182,000	2,431,000	1,787,000	1,913,000	2,215,000	2,350,000
KEYST1&2 OIL	17,000	9,000	0	9,000	17,000	9,000
KEYSTONE	2,199,000	2,440,000	1,787,000	1,922,000	2,232,000	2,359,000
CON1 COAL	1,364,000	1,411,000	1,213,000	1,265,000	1,293,000	1,317,000
CON2 COAL	1,449,000	1,143,000	1,321,000	1,428,000	1,168,000	1,198,000
CONEMAUGH C	2,813,000	2,554,000	2,534,000	2,693,000	2,461,000	2,515,000
CON1&2 OIL	0	13,000	0	7,000	7,000	14,000
CONEMAUGH	2,813,000	2,567,000	2,534,000	2,700,000	2,468,000	2,529,000
MINEMOUTH	5,012,000	5,007,000	4,321,000	4,622,000	4,700,000	4,888,000
NUCLEAR (PE SHARE)						
PB2 NUCLEAR	1,711,767	1,722,775	1,816,343	688,009	0	0
PB3 NUCLEAR	1,901,013	1,821,884	1,760,874	1,937,571	1,766,967	1,693,851
PB2&3INTREST	1,010,106	972,208	934,308	896,408	877,537	858,667
PB ATOMIC	4,622,886	4,516,787	4,511,525	3,521,988	2,644,504	2,552,518
AUX BOILER	28,782	28,782	27,904	29,702	28,744	29,702
PB DIESEL	4,486	4,486	4,346	4,544	4,398	4,544
SALEM 1	2,119,000	1,975,000	2,080,000	2,100,000	1,837,000	1,988,000
SALEM 2	2,195,000	1,799,000	564,000	0	0	1,323,000
SLM1INTEREST	448,145	430,033	411,920	393,807	375,695	357,582
SLM2INTEREST	294,678	294,678	294,678	294,678	294,678	513,776
SALEM AUXBLR	0	0	0	0	0	0
SALEM DIESEL	200	200	200	200	200	200
LM1 NUCLEAR	0	0	0	0	0	0
LM2 NUCLEAR	0	0	0	0	0	0
LM NUC TOTAL	0	0	0	0	0	0
LIMAUXBOILER	0	0	0	0	0	0
LIM DIESEL	0	0	0	0	0	0
NUCLEAR	9,713,177	9,048,966	7,894,573	6,344,919	5,185,219	6,769,322
NOTE: FOR JIM MILLER						
SALEM JC2	0	0	0	0	0	0
OTHER (PRECOMMERCIAL)						
OTHER	0	0	0	0	0	0

NO LIMERICK1 7/1/86 - 6/30/88

FUEL COST 2 OF 4

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
MINEMOUTH (PE SHARE)							
KEYSTN1 COAL	1,161,000	1,137,000	1,183,000	982,000	1,011,000	1,104,000	12,423,000
KEYSTN2 COAL	1,237,000	1,167,000	1,339,000	122,000	536,000	1,326,000	12,760,000
KEYSTONE C	2,398,000	2,304,000	2,522,000	1,104,000	1,547,000	2,430,000	25,183,000
KEYST1&2 OIL	28,000	0	9,000	18,000	27,000	9,000	152,000
KEYSTONE	2,426,000	2,304,000	2,531,000	1,122,000	1,574,000	2,439,000	25,335,000
CON1 COAL	1,081,000	1,184,000	1,329,000	1,405,000	1,300,000	1,185,000	15,347,000
CON2 COAL	513,000	456,000	1,170,000	1,424,000	1,193,000	1,233,000	13,696,000
CONEMAUGH C	1,594,000	1,640,000	2,499,000	2,829,000	2,493,000	2,418,000	29,043,000
CON1&2 OIL	15,000	22,000	22,000	0	15,000	22,000	137,000
CONEMAUGH	1,609,000	1,662,000	2,521,000	2,829,000	2,508,000	2,440,000	29,180,000
MINEMOUTH	4,035,000	3,966,000	5,052,000	3,951,000	4,082,000	4,879,000	54,515,000
NUCLEAR (PE SHARE)							
PB2 NUCLEAR	1,889,248	1,864,143	2,071,269	1,813,938	1,613,079	1,926,908	17,117,471
PB3 NUCLEAR	2,016,779	1,736,502	1,651,200	761,623	0	0	17,048,184
PB2&3INTREST	1,278,462	1,233,938	1,189,415	1,163,762	1,138,109	1,112,456	12,665,376
PB ATOMIC	5,184,489	4,834,583	4,911,884	3,739,315	2,751,188	3,039,364	46,831,031
AUX BOILER	31,144	28,130	30,902	29,304	30,280	29,346	352,722
PB DIESEL	4,910	4,436	4,894	4,692	4,848	4,696	55,280
SALEM 1	2,152,000	1,798,000	2,001,000	2,059,000	2,014,000	2,054,000	24,177,000
SALEM 2	1,622,000	1,508,000	1,885,000	2,298,000	1,828,000	2,177,000	17,199,000
SLM1INTEREST	339,469	321,357	303,244	285,131	267,019	248,906	4,182,308
SLM2INTEREST	493,668	473,561	453,453	433,346	413,238	393,131	4,647,563
SALEM AUXBLR	0	0	0	0	0	0	0
SALEM DIESEL	200	200	200	200	200	200	2,400
LM1 NUCLEAR	0	0	0	0	0	0	0
LM2 NUCLEAR	0	0	0	0	0	0	0
LM NUC TOTAL	0	0	0	0	0	0	0
LIMAUXBOILER	0	0	0	0	0	0	0
LIM DIESEL	0	0	0	0	0	0	0
NUCLEAR	9,827,880	8,968,267	9,590,577	8,848,988	7,308,773	7,946,643	97,447,304
NOTE: FOR JIM MILLER							
SALEM JC2	0	0	0	0	0	0	0
OTHER (PRECOMMERCIAL)							
OTHER	0	0	0	0	0	0	0

FUEL COST 2 OF 4

	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
MINEMOUTH (PE SHARE)						
KEYSTN1 COAL	973,000	1,337,000	1,121,000	190,000	1,348,000	1,320,000
KEYSTN2 COAL	1,150,000	1,252,000	1,174,000	1,420,000	1,162,000	1,239,000
KEYSTONE C	2,128,000	2,589,000	2,295,000	1,610,000	2,510,000	2,559,000
KEYST1&2 OIL	37,000	18,000	9,000	0	18,000	9,000
KEYSTONE	2,165,000	2,607,000	2,304,000	1,610,000	2,528,000	2,568,000
CONI COAL	826,000	411,000	1,153,000	1,363,000	1,301,000	1,533,000
CONI2 COAL	1,414,000	1,496,000	1,324,000	1,512,000	1,270,000	1,251,000
CONEMAUGH C	2,240,000	1,907,000	2,477,000	2,875,000	2,571,000	2,784,000
CON1&2 OIL	14,000	7,000	22,000	7,000	14,000	15,000
CONEMAUGH	2,254,000	1,914,000	2,499,000	2,882,000	2,585,000	2,799,000
MINEMOUTH	4,419,000	4,521,000	4,803,000	4,492,000	5,113,000	5,367,000
NUCLEAR (PE SHARE)						
PB2 NUCLEAR	1,839,036	1,895,525	1,845,312	1,594,249	1,424,782	1,550,314
PB3 NUCLEAR	0	0	0	0	0	1,747,927
PB2&3INTREST	1,086,804	1,061,151	1,035,498	1,009,845	1,488,155	1,436,853
PB ATOMIC	2,925,840	2,956,676	2,880,810	2,604,094	2,912,937	4,735,094
AUX BOILER	31,090	31,090	30,172	32,078	31,042	32,078
PB DIESEL	4,910	4,910	4,758	4,974	4,814	4,974
SALEM 1	2,119,000	1,818,000	243,000	0	0	0
SALEM 2	2,390,000	2,191,000	1,771,000	2,248,000	1,707,000	2,376,000
SLM1INTEREST	230,793	230,793	230,793	230,793	230,793	230,793
SLM2INTEREST	373,023	352,916	332,808	312,700	292,593	272,485
SALEM AUXBLR	0	0	0	0	0	0
SALEM DIESEL	200	200	200	200	200	200
LM1 NUCLEAR	0	0	0	0	0	0
LM2 NUCLEAR	0	0	0	0	0	0
LM NUC TOTAL	0	0	0	0	0	0
LIMAUXBOILER	0	0	0	0	0	0
LIM DIESEL	0	0	0	0	0	0
NUCLEAR	8,074,856	7,585,585	5,493,541	5,432,639	5,179,379	7,651,624
NOTE: FOR JIM MILLER						
SALEM JC2	0	0	0	0	0	0
OTHER (PRECOMMERCIAL)						
OTHER	0	0	0	0	0	0

FUEL COST 2 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
MINEMOUTH (PE SHARE)							
KEYSTN1 COAL	1,198,000	1,206,000	1,346,000	1,373,000	1,415,000	1,419,000	14,251,000
KEYSTN2 COAL	1,262,000	1,267,000	1,420,000	127,000	336,000	1,189,000	12,998,000
KEYSTONE C	2,460,000	2,473,000	2,766,000	1,500,000	1,751,000	2,608,000	27,249,000
KEYST1&2 OIL	31,000	20,000	10,000	0	20,000	10,000	182,000
KEYSTONE	2,491,000	2,493,000	2,776,000	1,500,000	1,771,000	2,618,000	27,431,000
CONI COAL	1,346,000	1,500,000	1,257,000	1,418,000	1,316,000	1,402,000	14,826,000
CONI2 COAL	164,000	655,000	1,546,000	1,461,000	1,327,000	1,239,000	14,659,000
CONEMAUGH C	1,510,000	2,155,000	2,803,000	2,879,000	2,643,000	2,641,000	29,485,000
CON1&2 OIL	8,000	40,000	24,000	16,000	24,000	16,000	207,000
CONEMAUGH	1,518,000	2,195,000	2,827,000	2,895,000	2,667,000	2,657,000	29,692,000
MINEMOUTH	4,009,000	4,688,000	5,603,000	4,395,000	4,438,000	5,275,000	57,123,000
NUCLEAR (PE SHARE)							
PB2 NUCLEAR	1,983,398	1,449,689	2,046,163	207,127	0	0	15,835,795
PB3 NUCLEAR	1,611,977	1,573,134	1,618,451	1,883,877	2,097,512	2,103,986	12,636,864
PB2&3INTREST	1,558,450	1,493,245	1,428,040	1,362,835	1,297,630	1,232,425	15,490,931
PB ATOMIC	5,153,825	4,516,268	5,092,654	3,453,839	3,395,142	3,336,411	43,963,590
AUX BOILER	33,958	31,768	33,630	31,944	33,008	32,046	383,904
PB DIESEL	5,426	5,076	5,402	5,184	5,358	5,192	60,978
SALEM 1	1,464,000	2,116,000	1,645,000	2,130,000	2,189,000	2,044,000	15,768,000
SALEM 2	2,305,000	2,319,000	2,127,000	270,000	0	0	19,704,000
SLM1INTEREST	594,482	572,222	549,962	527,702	505,442	483,182	4,617,750
SLM2INTEREST	252,378	232,270	232,270	232,270	232,270	232,270	3,350,253
SALEM AUXBLR	0	0	0	0	0	0	0
SALEM DIESEL	200	200	200	200	200	200	2,400
LM1 NUCLEAR	0	0	0	0	0	0	0
LM2 NUCLEAR	0	0	0	0	0	0	0
LM NUC TOTAL	0	0	0	0	0	0	0
LIMAUXBOILER	0	0	0	0	0	0	0
LIM DIESEL	0	0	0	0	0	0	0
NUCLEAR	9,809,269	9,792,804	9,686,118	6,651,139	6,360,420	6,133,301	87,650,875
NOTE: FOR JIM MILLER							
SALEM JC2	0	0	0	0	0	0	0
OTHER (PRECOMMERCIAL)							
OTHER	0	0	0	0	0	0	0

NO LIMERICK1 7/1/86 - 6/30/88

FUEL COST 3 OF 4

	JULY 1986	AUGUST 1986	SEPTEMBER 1986	OCTOBER 1986	NOVEMBER 1986	DECEMBER 1986
DIESELS						
CROMBY D 1&2	0	4,800	0	3,500	0	6,300
DELAWARE D	1,100	0	0	0	0	0
SOUTHWARK D	0	0	0	0	0	0
SCHUYLKILL D	1,800	0	1,100	2,500	0	0
KEYSTONE D	1,000	200	0	0	200	0
CONEMAUGH D	600	0	0	0	0	0
DIESEL	4,500	5,000	1,100	6,000	200	6,300
GAS TURBINES						
SOUTHWARK CT	37,000	37,000	0	0	0	0
EDDYSTONE CT	37,000	39,000	0	0	0	0
DELAWARE CT	36,000	38,000	3,000	0	0	0
SCHUYLKILLCT	24,000	19,000	0	0	0	0
CHESTER CT	22,000	23,000	0	0	0	0
FALLS CT	36,000	33,000	0	0	0	0
MOSER CT	32,000	33,000	0	0	6,000	0
PLY MTG CT	0	0	0	0	0	0
RICH GE CT	247,000	272,000	224,000	376,000	512,000	99,000
RICH NE CT	0	0	0	0	0	0
RICH NO CT	0	0	0	0	0	0
RICHMOND CT	247,000	272,000	224,000	376,000	512,000	99,000
CROYDON	802,000	984,000	906,000	1,135,000	1,095,000	452,000
SALEM CT	4,000	5,000	0	0	4,000	0
GAS TURBINES	1,277,000	1,483,000	1,133,000	1,511,000	1,617,000	551,000
TOTAL IC	1,281,500	1,488,000	1,134,100	1,517,000	1,617,200	557,300

	JANUARY 1987	FEBRUARY 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	TOTAL
DIESELS							
CROMBY D 1&2	0	1,900	2,700	1,200	2,700	1,500	24,600
DELAWARE D	800	800	0	2,700	0	2,700	8,100
SOUTHWARK D	0	0	0	0	0	0	0
SCHUYLKILL D	0	0	0	0	0	2,700	8,100
KEYSTONE D	0	0	0	0	0	0	1,400
CONEMAUGH D	0	0	0	0	0	0	600
DIESEL	800	2,700	2,700	3,900	2,700	6,900	42,800
GAS TURBINES							
SOUTHWARK CT	0	0	0	0	0	0	74,000
EDDYSTONE CT	0	0	0	0	0	0	76,000
DELAWARE CT	0	0	4,000	0	0	2,000	83,000
SCHUYLKILLCT	0	0	4,000	0	0	2,000	49,000
CHESTER CT	0	0	0	0	0	0	45,000
FALLS CT	0	0	12,000	0	0	7,000	88,000
MOSER CT	0	0	0	0	0	5,000	76,000
PLY MTG CT	0	0	0	0	0	0	0
RICH GE CT	267,000	54,000	86,000	0	9,000	107,000	2,253,000
RICH NE CT	0	0	0	0	0	0	0
RICH NO CT	0	0	0	0	0	0	0
RICHMOND CT	267,000	54,000	86,000	0	9,000	107,000	2,253,000
CROYDON	422,000	171,000	115,000	33,000	153,000	204,000	6,472,000
SALEM CT	0	0	3,000	0	0	0	16,000
GAS TURBINES	689,000	225,000	224,000	33,000	162,000	327,000	9,232,000
TOTAL IC	689,800	227,700	226,700	36,900	164,700	333,900	9,274,800

FUEL COST 3 OF 4

	JULY 1987	AUGUST 1987	SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	DECEMBER 1987
DIESELS						
CROMBY D 1&2	7,600	2,600	2,600	0	0	1,900
DELAWARE D	3,100	2,700	0	0	0	0
SOUTHWARK D	0	0	0	0	0	0
SCHUYLKILL D	0	0	1,900	0	0	3,100
KEYSTONE D	400	200	0	0	0	0
CONEMAUGH D	400	0	0	0	0	0
DIESEL	11,700	5,500	4,500	0	0	5,000
GAS TURBINES						
SOUTHWARK CT	13,000	26,000	15,000	0	0	0
EDDYSTONE CT	12,000	30,000	19,000	0	0	0
DELAWARE CT	16,000	27,000	26,000	0	0	0
SCHUYLKILLCT	9,000	12,000	23,000	0	0	0
CHESTER CT	13,000	17,000	11,000	0	0	0
FALLS CT	20,000	17,000	58,000	0	0	12,000
MOSER CT	10,000	25,000	24,000	0	0	8,000
PLY MTG CT	0	0	0	0	0	0
RICH GE CT	230,000	156,000	409,000	97,000	59,000	152,000
RICH NE CT	0	0	0	0	0	0
RICH WO CT	0	0	0	0	0	0
RICHMOND CT	230,000	156,000	409,000	97,000	59,000	152,000
CROYDON	422,000	417,000	836,000	582,000	394,000	363,000
SALEM CT	3,000	4,000	5,000	0	0	6,000
GAS TURBINES	748,000	731,000	1,426,000	679,000	453,000	541,000
TOTAL IC	759,700	736,500	1,430,500	679,000	453,000	546,000

FUEL COST 3 OF 4

	JANUARY 1988	FEBRUARY 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	TOTAL
DIESELS							
CROMBY D 1&2	0	0	0	1,300	0	900	17,100
DELAWARE D	0	0	0	0	3,000	0	8,800
SOUTHWARK D	0	0	0	0	0	0	0
SCHUYLKILL D	0	0	3,000	0	0	0	8,000
KEYSTONE D	2,400	0	0	0	0	200	3,200
CONEMAUGH D	1,200	0	0	0	0	0	1,600
DIESEL	3,600	0	3,000	1,300	3,000	1,100	38,700
GAS TURBINES							
SOUTHWARK CT	55,000	0	0	0	0	0	109,000
EDDYSTONE CT	88,000	0	0	0	0	0	149,000
DELAWARE CT	85,000	0	0	0	0	5,000	159,000
SCHUYLKILLCT	57,000	0	0	0	0	3,000	104,000
CHESTER CT	67,000	0	0	0	0	0	108,000
FALLS CT	89,000	0	0	0	0	8,000	204,000
MOSER CT	77,000	0	0	0	0	5,000	149,000
PLY MTG CT	0	0	0	0	0	0	0
RICH GE CT	909,000	12,000	64,000	0	0	74,000	2,162,000
RICH WE CT	0	0	0	0	0	0	0
RICH WO CT	0	0	0	0	0	0	0
RICHMOND CT	909,000	12,000	64,000	0	0	74,000	2,162,000
CROYDON	2,227,000	212,000	492,000	152,000	82,000	343,000	6,522,000
SALEM CT	23,000	0	0	0	0	1,000	42,000
GAS TURBINES	3,677,000	224,000	556,000	152,000	82,000	439,000	9,708,000
TOTAL IC	3,680,600	224,000	559,000	153,300	85,000	440,100	9,746,700

OCA EXHIBIT 12
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Q. IR-OCA-14-5. Please provide a statement of revenues actually collected under the State Tax Adjustment Clause in each month from January 1983 through the present.

A. IR-OCA-14-5. Attachment IR-OCA-14-5 provides the requested data.

Responsible Witness: T.P.Hill, Jr., Asst. Manager-Rate Division

Revenue from STAC (thousand Dollars)

Month/yr	$ (Thousand)
1/83	8,805
2/83	8,468
3/83	8,063
4/83	7,817
5/83	7,938
6/83	9,140
7/83	10,551
8/83	10,478
9/83	10,614
10/83	8,661
11/83	8,591
12/83	9,884
	109,010

Month/yr	$ (thousand)
1/84	11,244
2/84	10,100
3/84	9,761
4/84	9,582
5/84	9,520
6/84	11,037
7/84	12,635
8/84	12,551
9/84	11,098
10/84	7,977
11/84	5,315
12/84	10,793
	123,613

Month/yr	$ (thousand)
1/85	11 152
2/85	11 582
3/85	10 595
4/85	10 285
5/85	10 282
6/85	11 434
7/85	12550
8/85	13 024
9/85	13 242
10/85	11 205
11/85	—
12/85	—

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Q. IR-OCA-14-6. Please provide a statement of Philadelphia Electric Company actual total liability for each tax which is partially collected through the State Tax Adjustment Clause for 1983 and 1984. Show each tax amount for the total company and the electric division, and indicate the portion of that liability which was collected through the State Tax Adjustment Clause.

A. IR-OCA-14-6. The requested information is provided below. Also, see the response to Attachment IR-OCA-14-5, for STAC revenues collected in 1983 and 1984.

	Total Company	
	1983	1984
PURTA	20,373,317	49,836,208
Gross Receipts	107,040,218	121,871,178
Capital Stock	16,744,731	23,493,644
CNI	0	0
	Electric Total	
PURTA	20,154,353	49,379,771
Gross Receipts	88,554,576	101,465,305
Capital Stock	15,756,792	22,199,144
CNI	2,342,468	25,973,521

Responsible Witness: G.A.Sileo, Manager - Taxes Division

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Q. IR-0CA-1-11. Provide a copy of the Company's latest five-year fossil fuel price forecast. Also provide a copy of the most recent long term fossil fuel price forecast prepared for the Company by Data Resources, Inc.

A. IR-0CA-1-11. Attachment IR-0CA-1-11a provides a copy of the Company's latest fossil fuel price forecast. Attachment IR-0CA-1-11b provides a copy of the fossil fuel price forecast, prepared by Data Resources, Inc., which was used in the development of our Company's forecast.

Responsible Witness: J.J. Carroll, Staff Engineer-Services Division

Attachment IR-OCA-1-114

PHILADELPHIA ELECTRIC COMPANY
FOSSIL FUEL PRICE FORECAST - PROBABLE CASE

		COAL			OIL		
		Mine Price $/ton	Frt. Rate $/ton	Del'd Price $/ton	#6-0.5% $/bbl.	#6-1.0% $/bbl.	#2-0.2% $/gal.
1985	:1Q	33.10	14.35	47.45	30.65	29.40	0.81
	:2Q	30.45	14.00	44.45	26.80	25.80	0.79
	:3Q	30.30	14.00	44.30	27.00	26.25	0.78
	:4Q	31.60	14.20	45.80	27.75	26.80	0.78
	:AVG	31.35	14.15	45.50	28.05	27.05	0.79
1986	:1Q	32.85	14.45	47.30	27.75	26.75	0.77
	:2Q	32.75	15.00	47.75	27.00	26.00	0.76
	:3Q	33.55	15.30	48.85	27.70	26.70	0.77
	:4Q	34.45	15.35	49.80	28.55	27.55	0.78
	:AVG	33.40	15.05	48.45	27.75	26.75	0.77
1987		35.75	16.10	51.85	29.95	28.90	0.84
1988		38.60	17.40	56.00	32.65	31.50	0.93
1989		41.70	18.80	60.50	35.60	34.30	1.03
1990		45.05	20.30	65.30	38.80	37.40	1.14
1991		48.65	21.90	70.55	42.30	40.80	1.24

Philadelphia Electric Company Energy Price Forecast

May 1985

Oil Price Forecast
Delivered Prices

Quarter	No. 2 Fuel Oil $'s per gal.		No. 6 1.0% S oil $'s per barrel		No. 6 0.5% S oil $'s per barrel	
		Constant 1985 $'S		Constant 1985 $'S		Constant 1985 $'S
			History			
1980:1			29.10	39.17	30.75	41.40
1980:2			24.57	32.22	27.85	36.53
1980:3			24.77	31.81	27.22	34.95
1980:4	0.86	1.07	30.83	38.55	31.47	39.34
1981:1	1.01	1.23	35.60	43.37	38.03	46.33
1981:2	0.97	1.17	32.37	38.81	34.25	41.07
1981:3	0.97	1.14	29.43	34.46	31.00	36.29
1981:4	0.98	1.13	30.60	35.12	32.42	37.20
1982:1	0.95	1.08	29.37	33.32	32.13	36.46
1982:2	0.91	1.02	29.13	32.61	31.63	35.41
1982:3	0.94	1.04	28.15	31.25	31.25	34.69
1982:4	0.94	1.04	30.03	33.06	31.60	34.79
1983:1	0.83	0.90	25.77	28.02	27.83	30.26
1983:2	0.85	0.92	27.47	29.67	28.92	31.24
1983:3	0.83	0.89	29.50	31.63	30.12	32.29
1983:4	0.83	0.88	29.12	30.89	29.70	31.50
1984:1	0.89	0.94	30.65	32.16	31.50	33.05
1984:2	0.85	0.88	30.18	31.41	30.80	32.06
1984:3	0.79	0.82	29.23	30.13	29.87	30.78
1984:4	0.80	0.82	29.51	30.21	29.95	30.66
1985:1	0.81	0.82	29.38	29.69	30.67	31.00
			Forecast			
1985:2	0.81	0.81	25.80	25.89	26.81	26.90
1985:3	0.78	0.78	26.24	26.17	27.01	26.93
1985:4	0.78	0.77	27.05	26.74	27.98	27.67
1986:1	0.77	0.76	26.51	25.99	27.50	26.96
1986:2	0.76	0.73	25.30	24.57	26.28	25.52
1986:3	0.75	0.72	24.58	23.65	25.58	24.61
1986:4	0.75	0.72	25.35	24.12	26.42	25.13
1987:1	0.75	0.71	25.37	23.88	26.48	24.92
1987:2	0.75	0.70	24.68	22.98	25.79	24.01
1987:3	0.75	0.69	24.29	22.37	25.41	23.40
1987:4	0.76	0.69	25.46	23.17	26.66	24.26
1988:1	0.77	0.69	25.94	23.29	27.17	24.40

PHILADELPHIA ELECTRIC COMPANY

Oil Price Forecast
Delivered Prices

Year	No. 2 Fuel Oil $'s per gal.		No. 6 1.0% S oil $'s per barrel		No. 6 0.5% S oil $'s per barrel	
		Constant 1985 $'S		Constant 1985 $'S		Constant 1985 $'S
			History			
1980			27.32	35.43	29.32	38.03
1981	0.98	1.16	32.00	37.87	33.93	40.14
1982	0.94	1.05	29.17	32.56	31.65	35.33
1983	0.84	0.90	27.96	30.06	29.14	31.33
1984	0.83	0.86	29.89	30.97	30.53	31.63
			Forecast			
1985	0.79	0.79	27.12	27.12	28.12	28.12
1986	0.76	0.73	25.44	24.57	26.45	25.55
1987	0.75	0.70	24.95	23.10	26.08	24.14
1988	0.77	0.68	25.61	22.57	26.83	23.64
1989	0.82	0.68	26.81	22.49	28.08	23.56
1990	0.86	0.69	28.24	22.53	29.59	23.60
1991	0.92	0.70	30.16	22.81	31.59	23.89
1992	0.99	0.71	32.55	23.28	34.10	24.39
1993	1.07	0.73	35.42	23.92	37.11	25.06
1994	1.17	0.74	38.77	24.69	40.62	25.87
1995	1.28	0.77	42.60	25.56	44.63	26.78
1996	1.41	0.80	47.49	26.80	49.75	28.08
1997	1.58	0.84	53.33	28.31	55.86	29.65
1998	1.77	0.88	60.12	30.02	62.98	31.45
1999	1.98	0.93	67.88	31.90	71.11	33.42
2000	2.23	0.99	76.59	33.89	80.24	35.51
2001	2.47	1.03	85.21	35.51	89.26	37.20
2002	2.71	1.06	93.83	36.86	98.29	38.62
2003	2.94	1.09	102.44	37.96	107.31	39.77
2004	3.18	1.11	111.06	38.84	116.34	40.69
2005	3.41	1.13	119.68	39.51	125.37	41.39
2006	3.69	1.15	130.21	40.60	136.40	42.53

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OCA EXHIBIT 15
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Q. IR-0CA-1-11. Provide a copy of the Company's latest five-year fossil fuel price forecast. Also provide a copy of the most recent long term fossil fuel price forecast prepared for the Company by Data Resources, Inc.

A. IR-0CA-1-11. Attachment IR-0CA-1-11a provides a copy of the Company's latest fossil fuel price forecast. Attachment IR-0CA-1-11b provides a copy of the most recent fossil fuel price forecast prepared for the Company by Data Resources, Inc.

Responsible Witness: J.J. Carroll, Staff Engineer-Services Division

ATTACHMENT IR-OGA-1-11

PHILADELPHIA ELECTRIC COMPANY

FOSSIL FUEL PRICE FORECAST - PROBABLE CASE

	COAL			OIL		
	Mine Price $/ton	Frt. Rate $/ton	Del'd Price $/ton	#6-0.5% $/bbl.	#6-1.0% $/bbl.	#2-0.2% $/gal.
1985 :1Q	33.10	14.35	47.45	30.65	29.40	0.81
:2Q	31.50	13.95	45.45	26.45	25.15	0.79
:3Q	29.95	13.80	43.75	25.65	24.60	0.74
:4Q	29.50	14.10	43.60	27.75	26.80	0.78
:AVG	31.00	14.05	45.05	27.65	26.50	0.78
1986 :1Q	31.65	14.30	45.95	27.75	26.75	0.77
:2Q	31.35	14.55	45.90	27.00	26.00	0.76
:3Q	31.85	14.80	46.65	27.70	26.70	0.77
:4Q	32.40	15.00	47.40	28.55	27.55	0.79
:AVG	31.80	14.65	46.45	27.75	26.75	0.77
1987	34.05	15.70	49.75	29.95	28.90	0.84
1988	36.75	16.95	53.70	32.65	31.50	0.93
1989	39.70	18.30	58.00	35.60	34.30	1.03
1990	42.85	19.75	62.60	38.80	37.40	1.14
1991	46.30	21.35	67.65	42.30	40.80	1.24

ATTACHMENT IR-OCA-1-11 b

Philadelphia Electric Company Energy Price Forecast

August 1985

TABLE A-1

PHILADELPHIA ELECTRIC COMPANY

Oil Price Forecast
Delivered Prices

Quarter	No. 2 Fuel Oil $'s per gal.	Constant 1985 $'S	No. 6 1.0% S Oil $'s per barrel	Constant 1985 $'S	No. 6 0.5% S Oil $'s per barrel	Constant 1985 $'S
			History			
1981:1	1.01	1.23	35.60	43.37	38.03	46.33
1981:2	0.97	1.17	32.37	38.81	34.25	41.07
1981:3	0.97	1.14	29.43	34.46	31.00	36.30
1981:4	0.98	1.13	30.60	35.12	32.42	37.21
1982:1	0.95	1.08	29.37	33.33	32.13	36.47
1982:2	0.91	1.02	29.13	32.62	31.63	35.41
1982:3	0.94	1.04	28.15	31.25	31.25	34.69
1982:4	0.94	1.04	30.03	33.06	31.60	34.79
1983:1	0.83	0.90	25.77	28.02	27.83	30.27
1983:2	0.85	0.92	27.47	29.68	28.92	31.24
1983:3	0.83	0.89	29.50	31.63	30.12	32.29
1983:4	0.83	0.88	29.12	30.89	29.70	31.51
1984:1	0.89	0.94	30.65	32.16	31.50	33.06
1984:2	0.85	0.88	30.18	31.42	30.80	32.06
1984:3	0.79	0.82	29.23	30.13	29.87	30.79
1984:4	0.80	0.82	29.51	30.21	29.95	30.66
1985:1	0.81	0.82	29.38	29.69	30.67	31.00
1985:2	0.79	0.79	25.16	25.25	26.46	26.56
			Forecast			
1985:3	0.73	0.73	24.20	24.13	24.83	24.75
1985:4	0.77	0.76	25.52	25.24	26.36	26.07
1986:1	0.75	0.74	25.59	25.09	26.53	26.03
1986:2	0.73	0.71	24.21	23.54	25.15	24.46
1986:3	0.70	0.67	22.68	21.86	23.60	22.75
1986:4	0.69	0.66	23.25	22.21	24.23	23.14
1987:1	0.68	0.64	22.86	21.58	23.85	22.52
1987:2	0.67	0.62	21.91	20.47	22.89	21.38
1987:3	0.67	0.62	21.61	19.96	22.60	20.87
1987:4	0.68	0.62	22.44	20.48	23.50	21.45
1988:1	0.68	0.62	22.85	20.60	23.93	21.58
1988:2	0.67	0.60	22.16	19.76	23.22	20.70

TABLE A-4

PHILADELPHIA ELECTRIC COMPANY

Oil Price Forecast
Delivered Prices

Year	No. 2 Fuel Oil $'s per gal.	Constant 1985 $'S	No. 6 1.0% S Oil $'s per barrel	Constant 1985 $'S	No. 6 0.5% S Oil $'s per barrel	Constant 1985 $'S
			History			
1980			27.32	35.44	29.32	38.04
1981	0.98	1.16	32.00	37.87	33.93	40.15
1982	0.94	1.05	29.17	32.56	31.65	35.33
1983	0.84	0.90	27.96	30.06	29.14	31.33
1984	0.83	0.86	29.89	30.97	30.53	31.63
			Forecast			
1985	0.77	0.77	26.06	26.06	27.08	27.08
1986	0.72	0.69	23.93	23.16	24.88	24.08
1987	0.67	0.63	22.21	20.62	23.21	21.55
1988	0.68	0.60	22.53	19.96	23.60	20.91
1989	0.71	0.60	23.36	19.75	24.47	20.69
1990	0.74	0.60	24.32	19.57	25.47	20.51
1991	0.79	0.60	25.75	19.69	26.97	20.63
1992	0.83	0.60	27.18	19.70	28.47	20.64
1993	0.89	0.61	29.08	19.95	30.47	20.90
1994	0.96	0.62	31.47	20.41	32.96	21.38
1995	1.04	0.64	34.33	21.04	35.96	22.04
1996	1.15	0.67	38.14	22.02	39.96	23.06
1997	1.30	0.71	43.39	23.55	45.45	24.67
1998	1.49	0.76	50.06	25.57	52.44	26.78
1999	1.70	0.82	57.69	27.73	60.46	29.05
2000	1.93	0.87	66.27	29.99	69.13	31.42
2001	2.18	0.93	75.33	32.11	78.32	33.64
2002	2.42	0.97	83.92	33.72	87.31	35.32
2003	2.65	1.00	92.50	35.05	96.90	36.72
2004	2.89	1.03	101.08	36.15	105.89	37.87
2005	3.12	1.05	109.65	37.03	114.98	38.79
2006	3.41	1.09	120.15	38.31	125.87	40.14

OCA EXHIBIT 16
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Q. IR-OCA-16-8. Please reference IR-OCA-2-25. Please confirm that the following annual fossil fuel price escalation rates were used in the Company's analysis:

a. Coal:

1987	7 percent increase
1988 and beyond	8 percent increase

b. No. 6 1% Sulfur Oil:

1987	8 percent increase
1988 and beyond	9 percent increase

c. No. 2 Oil:

1987	9.1 percent increase
1988 to 1990	10.7 percent increase
1991 and beyond	9 percent increase

d. Natural Gas is the same as No. 6 1% Oil.

e. No. 6 0.5% Sulfur Oil:

1987	7.9 percent increase
1988 and beyond	9 percent increase

f. Nuclear:

1987 to 1989	0 percent increase
1990 and beyond	6 percent increase

A. IR-OCA-16-8. The above escalation rates for the fossil fuel units are those used in the Limerick life cycle analysis. The escalation rates for nuclear fuel are assigned on a nuclear unit basis and are provided in the production cost runs supplied in response to IR-OCA-2-25.

Responsible Witnesses: W. Hieronymus, Putnam, Hayes and Bartlett
T.P. Hill, Jr., Asst. Manager-Rate Division

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Exhibit GRS-1

Wharton EFA Projections of PECO Oil and Coal Costs (1982-1995)

Year	Mid-Year Prices #2 Oil $/BBL	#6 Oil $/BBL	Urban Coal $/Ton
1980 (1)	$31.56	$27.68	$42.44
1981 (2)	38.02	34.41	46.37
1982	41.85	40.74	50.44
1983	46.73	45.50	54.74
1984	50.85	49.51	59.14
1985	55.42	53.96	63.84
1986	60.56	58.96	68.82
1987	66.19	64.44	74.12
1988	72.18	70.27	79.90
1989	78.67	76.59	86.16
1990	85.72	83.45	92.87
1991	93.42	90.95	100.10
1992	101.82	99.12	107.90
1993	110.97	108.03	116.30
1994	120.94	117.73	125.36
1995	131.81	128.32	135.13

University

economics

(1) Actual PECO price as of 6/30/80.
(2) PECO estimate.

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OCA EXHIBIT 10
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STATEMENT NO. 19-A

Limerick Unit No. 2 Generating Station
InvestigationDocket No. I-840381

ADDITIONAL DIRECT TESTIMONY OF
THOMAS P. HILL, JR

January 25, 1985

FOSSIL FUEL PRICE FORECAST - LIMERICK 2 SHOW CAUSE

	COAL			OIL		
	Mine Price $/ton	Frt. Rate $/ton	Del'd Price $/ton	#6-0.5% $/bbl.	#6-1.0% $/bbl.	#2-0.2% $/gallon
1985 :1Q	31.00	14.55	45.55	30.20	28.95	0.86
:2Q	31.50	14.15	45.65	29.20	28.05	0.85
:3Q	33.00	14.40	47.40	28.60	27.55	0.85
:4Q	33.65	14.70	48.35	30.10	29.00	0.87
:AVG	32.30	14.45	46.75	29.55	28.40	0.86
1986 :1Q	35.05	15.00	50.05	30.80	29.70	0.89
:2Q	34.95	15.30	50.25	29.80	28.70	0.88
:3Q	35.65	15.60	51.25	29.45	28.30	0.88
:4Q	36.35	15.90	52.25	31.05	29.80	0.90
:AVG	35.50	15.45	50.95	30.30	29.15	0.89
1987	38.35	16.70	55.05	32.10	30.90	0.94
1988	41.40	18.00	59.40	34.35	33.05	1.01
1989	44.70	19.45	64.15	36.75	35.40	1.08
1990	48.30	21.00	69.30	39.35	37.85	1.16
1991	52.15	22.70	74.85	42.90	41.25	1.26
1992	56.35	24.50	80.85	46.75	44.95	1.37
1993	60.85	26.50	87.35	50.95	49.00	1.50
1994	65.70	28.60	94.30	55.55	53.45	1.63
1995	70.95	30.90	101.85	60.55	58.25	1.78
1996	76.65	33.35	110.00	66.00	63.50	1.94
1997	82.75	36.00	118.75	71.95	69.20	2.11
1998	89.40	38.90	128.30	78.40	75.40	2.30
1999	96.55	42.00	138.55	85.45	82.20	2.51
2000	104.25	45.40	149.65	93.15	89.60	2.74
2001	112.60	49.00	161.60	101.55	97.70	2.98
2002	121.60	52.95	174.55	110.65	106.45	3.25
2003	131.35	57.15	188.50	120.65	116.05	3.54
2004	141.85	61.75	203.60	131.50	126.50	3.86

NOTES:

Coal - 1) Mine Price escalated at 8% (2% real) annual growth rate after 3Q/85.

2) Freight Rate escalated at 8% (2% real) annual growth rate after 2Q/85.

Oil - Annual growth rate after 1986 is 6% (0% real) for 1987; 7% (1% real) for 1988 through 1990; and 9% (3% real) after 1990.

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Q.IR-OCA-15-6 Please provide the following information for PECO's ownership share of Peach Bottom 2 and 3 and Salem 1 and 2 from the date of commercial operation to the present:

e. Annual capacity factor (DER)
f. Annual capacity factor (MDC)
g. Cumulative capacity factor (DER)
h. Cumulative capacity factor (MDC)
i. Annual operating and maintenance expenses

A.IR-OCA-15-6 Attachment IR-OCA-15-6 sheets 1 and 2 contain the information requested.

Responsible Witness: J. J. Carroll, Staff Engineer, Services Division

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Salem Station

IR-UCA-15-6 Sh. 1

← CAPACITY FACTORS →

YEAR		Salem #1 DER	Salem #1 MDC	Salem #2 DER	Salem #2 MDC	Total Production Expenses Less Fuel		
1977	1	42.5	42.9	—	—	5	722	656
78	2	47.4	47.9	—	—	11	650	900
79	3	21.4	21.6	—	—	21	797	972
80	4	59.4	60.0	—	—	25	290	826
81	5	64.8	65.5	76.2	76.8	35	736	730
82	6	42.9	43.3	81.3	82.0	71	209	654
83	7	56.3	56.9	7.6	7.7	78	209	796
84	8	22.2	22.4	32.6	32.9	90	840	641
	9							
Lifetime AVERAGE	10	44.7	45.2	43.0	43.3			
	11							
	12							
	13							
	14							
	15							
	16							
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COMPARED AND FOOTED

IR-OCA-15-6 Sh. 2

		← Capacity Factors →						
		PB #2		PB #3		Total Production Expenses less Fuel		
Year		DER	MDC	DER	MDC			
1974	1	80.7	81.8	74.3	76.5		673	456
75	2	54.5	55.2	56.7	58.3	4	744	299
76	3	59.5	60.3	64.6	66.5	11	802	289
77	4	43.1	43.7	51.2	52.7	18	498	428
78	5	72.8	73.8	74.6	76.8	16	701	417
79	6	91.9	93.1	65.4	67.3	16	997	934
80	7	46.5	47.1	72.4	74.6	24	166	247
81	8	71.1	72.0	33.5	34.5	27	827	078
82	9	51.4	52.1	91.4	94.1	31	269	555
83	10	47.7	48.3	25.9	26.7	40	705	862
84	11	26.0	26.3	79.6	81.9	36	668	868
	12							
Lifetime AVERAGE	13	57.4	58.2	62.1	63.9			
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	15							
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Q. Unless you have detailed data with you, Mr. Smith, I would like to make a transcript request that you provide us with the dates those outages had originally intended to be over, the dates they actually were over, and a brief statement as to the reason for the extension.

A. Attached is a list of the first 10 End of Cycle (Refueling) outages at Peach Bottom Station. This list shows the date the unit was removed from service, the actual outage length in days, the originally scheduled length in days, the days the outage was extended beyond the originally scheduled length, and a description of the Major Work Item(s) that were performed during and/or responsible for the extensions.

Attachment 1

Attachment TS

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PEACH BOTTOM STATION

			DATE OFF	OUTAGE LENGTH DAYS		SCHEDULED LENGTH DAYS	EXTENTION DAYS	MAJOR WORK ITEM(S) DURING OUTAGE EXTENSION
UNIT	TWO							
	1st Refuel		3-27-76	89	Δ	59	30	Reactor open & clean problems, access timing problems durin installation & removal problems, start-up testing problems
	2nd Refuel	(GML)	4-27-77	138		43	95	Replacement of two core spray pipe spools due to IGSCC. R source boilers. Original schedule was unrealistic.
	3rd Refuel		9-09-78	39	Δ	35	4	Several miscellaneous minor problems.
	4th Refuel		3-21-80	147		104	43	Containment isolation valve leakage, HPCI turbine governor structural modification was longer than anticipated
	5th Refuel		2-19-82	132		101	31	Cracked core spray sparger, fuel cell reconstitution, refu A problem with steam separator leich bolts.
UNIT	THREE							
	1st Refuel		12-24-76	110		58	52	Replace two core spray pipe spools due to IGSCC found duri
	2nd Refuel		4-01-78	50	Δ	46	4	Several miscellaneous minor problems
	3rd Refuel		9-14-79	53	Δ	30	23	Original schedule was unrealistic. Problems removing vibr unscheduled replacement of jet pump.
	4th Refuel		3-16-81	231		154	77	Weld problems with core spray line replacement for IGSCC, plug leakage, strike picket line, service platform failure failure.
	5th Refuel		2-13-83	243		83	160	IGSCC pipe cracks, increased scope of IWSI, and [redacted] ator

*: Estimated

Δ: Outages were an average of 29 days shorter than all boiling water reactor outages for these cycles

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COMMONWEALTH OF PENNSYLVANIA

PUBLIC UTILITY COMMISSION

- -x

Pennsylvania Public Utility Commission, et al. : :
versus Philadelphia Electric Company : Docket No.
Investigation into a requested $253 million : R-842590
annual rate increase. :

Hearing. :

- -x

Pages 1601 through 1744

Hearing Room No. 1
State Office Building
Broad and Spring Garden Streets
Philadelphia, Pennsylvania

Wednesday, September 19, 1984

Met, pursuant to notice, at 10:00 a.m.

BEFORE:

JOSEPH J. KLOVEKORN, Administrative Law Judge

APPEARANCES:

MARLANE R. CHESTNUT, Esquire
VERONICA A. SMITH, Esquire
P.O. Box 3265
Harrisburg, Pennsylvania 17120
(For Commission Prosecutory Staff)

DAVID B. MacGREGOR, Esquire
ROBERT H. YOUNG, Esquire
DAVID B. STIVISON, Esquire
Morgan, Lewis & Bockius
2000 One Logan Square
Philadelphia, Pennsylvania 19103
(For Philadelphia Electric Company)

C O N T E N T S

(Document handed to the witness by Counsel Popowsky.)

A. Okay.

Q. Is that correct, that that was your testimony?

A. Yes, that was my testimony.

Q. Have you changed your mind as to whether 3 to 4 percent is appropriate, or is 3 to 4 percent appropriate for Peach Bottom but not for Salem?

A. Peach Bottom had a higher capacity factor experienced as history in the period when it was on a 12-month. And then when it went to an 18 month and therefore did not have any outage during one year, it didn't pick up as much delta.

The 64.9 percent capacity factor was arrived at by taking two years at 56.4, because we have two refueling outage -- historically, that's what the average is on, is a refueling outage on a 12 month basis -- and then turning it and saying that if we had an 18 percent forced outage rate, which is anticipated higher on Salem than it is on Peach Bottom, you add 56.4 twice, add it to 82 and divide by 3.

And because it's lower, the delta between 56.4 and the 82 is up. It's going to pick up the average higher on Salem than it will on Peach Bottom.

Q. So then, it's a combination of factors? Going from 56 to 64.9 is a combination both of going to an 18 month refueling cycle and also to reduce the experienced forced outage rate?

A. No. The experienced forced outage rate for a Salem type unit is approximately 18 percent. The capacity factor on Salem is not because of the fact that once the unit got on, it fell off.

The capacity factor on Salem is low because you never get the unit back on after an outage. But once it gets on, it has a very good running record.

So that, the fact that it did not come back from outage is the reason why it's 56.4. The forced outage rate is an indication of what it's going to be -- once it gets on, how many times does it fall off, how many reductions does it take. Our problem is getting it back on. Once it comes off for an extended refueling, end of cycle outage, we have a problem getting it back on. That's the reason for the 56.4.

Q. That's the problem you're having right now?

A. That's the problem we're in right now, yes.

Q. At page 1 of your testimony, you reference [illegible] D-19 as the anticipated fuel and interchange savings for Salem 2. Would you expect that Salem 2, in addition to having cheaper energy costs, would have cheaper non-fuel variable O&M than other plants on the PECo system, for example a coal or an oil plant?

A. No, no. The total O&M expenses for a nuclear [illegible] as a function of its output are about equal or slightly [illegible] than a coal plant.

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Q.IR-OCA-6-15 For each wholly or partially-owned steam and combustion/gas turbine generating unit, please indicate:

(a) percent ownership;
(b) minimum loading and heat rate at minimum load;
(c) maximum summer/winter capacity;
(d) maximum and normal rate of loading;
(e) start-up cost in millions of Btu;
(f) minimum down-time;
(g) minimum up time; and
(h) hot and cold start times.

A.IR-OCA-6-15 Attachment IR-OCA-6-15, sheets 1, 2, 3, 4 contain the information requested.

Responsible Witness: J. J. Carroll, Staff Engineer, Services Division

	A	B	B	c	c	d	d	e	e	f	g	h	h			
	AID AVAILABILITY	NOM. LOAD	MIN HEAT RATE	MAX. CAPACITY SUMMER	MAX. CAPACITY WINTER	RATE OF LOADING MAX	RATE OF LOADING NORMAL	START UP FUEL HOT	START UP FUEL COLD	MIN DOWN TIME	MIN UP TIME	START UP TIME HOT	START UP TIME COLD	INCREMENTAL LOADING MW	INCREMENTAL SUMMER STD/KWH	ADJ. FACTOR
	(%)	(MW)	(BTU/KWH)	(NET MW)	(NET MW)	(MW/min)	(MW/min)	(10^6 BTU)	(10^6 BTU)	(HRS)	(HRS)	(HRS)	(HRS)			
SCHUYLKILL No. 1	100	35	13,850	166	175		1.0	625.0	2720	8	0	3	16	70 110 185	8232 8316 8876	1.2327
EDDYSTONE No. 1		180	10,082	311	319		0.5	—	6449	20	120	—	24	295 370	7984 8658	1.1535
No. 2		180	10,017	324	333		1.0	—	6021	20	120	—	24	308	7879	1.2587
														322 359	7927 8824	
No. 3		50	14,850	380	380		3.0	550	3504	3	3	2	15	282 381	9607 10141	1.0456
														397	10,538	
No. 4		50	14,850	380	380		3.0	550	3504	3	3½	4	15	282 381 397	9607 10141 10538	1.0456
CROMBY No. 1		50	11,202	144	147		2.0	74	504	3	4	4	16	73 112 140 158	8516 8943 8960 9702	1.0807
														170	10,488	
No. 2		40	13,137	201	211		2.0	508	1880	3	4	4	21	78 152 185	8435 9520 8770	1.0859
														199 229	8778 9001	
DELAWARE No. 7		25	12,059	126	128		1.0	273	1058	4	0	5	9	111 124	8772 8996	1.2525
														138	9365	
DELAWARE No. 8		25	12,182	124	128		1.2	323	981	4	0	4	9	87 103 121	8879 8738 9180	1.0737
														137	9311	

Notes: 1) To obtain Current operating level — Min. Heat Rate, Incremental Heat Rate must be multiplied by ADJ. Factor

1)

	A	B	B	C	C	d	d	e	e	f	G	h	h				
	A/C OWNERSHIP	MIN LOAD	MIN HEAT RATE	MAX. CAPACITY SUMMER	MAX. CAPACITY WINTER	RATE OF LOADING MAX	RATE OF LOADING NORMAL	START HOT	START FUEL COLD	MIN DWN TIME	MIN UP TIME	START (TO SYNC.) HOT	TIME LOAD, COLD	INCREMENTAL LOADING MW	TOTAL SCHED MW/HR	ADJ. FACTOR	
	(%)																
SOUTHWARK NO. 1 2 Blrs.	100.	60	12,720	183	173		3.0	370	1437	2	3	4	7	103 146 170	9556 10801 12350	1.1873	
														180 189	13660 14572		
SOUTHWARK No. 2 2 Blrs.	Y	60	12,780	173	183		3.0	370	1437	2	3	4	7	100 145	9556 10901	1.1781	
														170 180 189	12350 13660 14572		
KEYSTONE No. 1	20.99	500	8732	850	850		1.0	5500	9000	24	0	—	18	400 498 528 576 630	7525 7550 7567 7641 7613	1.1210	
														678 726 774 822 870	7756 7797 7872 7913 8342		
KEYSTONE No. 2	20.99	500	8732	850	850		1.0	5500	9000	24	0	—	18	400 498 528 576	7535 7550 7567 7641	1.1210	
														630 678 726 774 822 870	7683 7756 7797 7872 7913 8342		
CONEMAUGH No. 1	20.72	500	8718	850	850		1.0	6000	7000	24	0	—	18	400 498 717	7623 7785 7995	1.1180	
														766 815 863	8015 8037 8669		

NOTES: 1) To obtain current operating level - Min. Heat rate, Incremental Heat Rate must be multiplied by Adj. Factor

2) Values shown for joint owned units are Total unit

	A	B	B	C	C	d	d	e	e	f	G	h	h				
	Vo Ownership	MIN. LOAD	MIN. HEAT RATE	MAX. CAPACITY SUMMER	MAX. CAPACITY WINTER	RATE OF LOADING MAX	RATE OF LOADING MINIMUM	START UNIT	FUEL COLD	MIN DOWN TIME	MIN UP TIME	START UNIT HOT	START UNIT COLD	INCREMENTAL LOADING MW	TOTAL SEASONAL RATING	ADJ. FACTOR
	(%)	(MW)	(Btu/kWh)	(MW-HR)	(MW-HR)	(MW/Min)	(MW/Min)	(10^6 Btu)	(10^6 Btu)	(Hrs)	(Hrs)	(Hrs)	(Hrs)			
CONEMAUGH No. 2	20.72	500	8718	850	850		1.0	6000	7000	24	0	—	18	400 498 717 766 815 863	7623 7785 7993 8015 8037 8069	1.1180
PEACH BOTTOM 2	42.49	951	10,657	1031	1056		10.0	—	4500	—	—	50	52	1035	9500	1.0754
3	42.49	935	10,674	1035	1035		10.0	—	4500	—	—	50	52	1035	9500	1.0740
SALEM No. 1	42.59	1078	10582	1079	1099		0.5	273	273	—	—	6	42	550 900 968 1100	9410 9563 9800 9850	1.0180
SALEM No. 2	42.59	1080	10582	1106	2100		0.5	273	273	—	—	6	42	550 900 968 1100	9400 9563 9800 9850	1.0330

Notes: 1) To obtain current operating level — Min. Heat Rate, Incremental Heat Rate must be multiplied by Adj. Factor

2) Values Shown For Joint owned units are Total Unit

IR-DCA-6-15 Sh.4

	INTERNAL COMBUSTION	A % Ownership (%)	B Min. Load (MW)	B Min. Heat Rate (Btu/hr)	C Max. Capacity Summer (Net MW)	C Max. Capacity Winter (Net MW)	d Rate of Loading Max. (MW/min)	d Rate of Loading Normal (MW/min)	e Start Fuel (10^6 Btu)	f Min. Down Time (Hrs)	G Min. Up Time (Hrs)	h Start Time (Start to ...) (Hrs)	h	Incremental Summer (MW)	Incremental Summer Btu/kWh	Heat Rate Spring/Fall MW	Heat Rate Spring/Fall Btu/kWh	Winter MW	Winter Btu/kWh	Adj. Fact	
Turbines	SCHUYLKILL 10; CHESTER 7,8,9; DELAWARE 10,11,12	100	4	24,242	13	18		3.0	7.0	0.25	0	0.1		4 14	10,067 10,067	4 16	10165 10165	4 17	10194 10194	1.0270	
	DELAWARE 9; FALLS 1,2,3 MOSER 1,2,3; SCHUYLKILL 11 EDDYSTONE 30,40		4	24,724	15	20		3.0	14.5	0.25	0	0.1		4 16	9874 9874	4 18	10102 10102	4 19	10102 10269	1.0270	
	SOUTHWARK 3,4,5,6 EDDYSTONE 10,20		4	24,242	13	18		3.0	3.6	0.25	0	0.1		4 14	10067 10067	4 16	10165 10165	4 17	10194 10194	1.0270	
	RICHMOND WORTHINGTON PLYMOUTH MEETING WORTHINGTON		5	41,264	30	39		5.0	7.2	0.50	0	0.25		5 31	9864 9864	5 35	11050 10050	5 37	10210 10210	1.0270	
	RICHMOND GE.		5	41,321	40	66		4.5	11.0	0.5	0	0.3		5 50	9121 9121	5 58	9092 9092	5 62	9070 9070	1.0371	
	RICHMOND WESTINGHOUSE		5	37,718	20	29		2.0	8.0	0.5	0	0.3		5 21	8898 8898	5 25	8844 8844	5 27	8809 8809	1.0640	
	DIESELS - SCHUYLKILL CROMBY - DELAWARE RICHMOND SOUTHWARK	100	—	—	2.7	2.7		—	—	0.25	0	0.1		3	10,450	—	—	—	—	1.000	
	CROYDON 11,12,22,31,41	100	8	28,749	39	53		6.0	84.7	0.4	0	1.4		8 40	6586 6586	8 47	6634 6634	8 50	6639 6639	1.1727	
	CROYDON 21,32,42		8	28,749	45	59		3.5	11.3	0.4	0	0.3		8 46	6586 6586	8 53	6634 6634	8 56	6639 6639	1.0526	
	SALEM 3	42.59	5	34,452	38	47			18.0	2.0	0.5	0.1		5 3½ 38	9352 9580 11500	—		—		1.1402 1.1730 1.1280	Min. Ht Rate Incremental Start
	KEYSTONE DIESEL	20.99	—	—	11	11		1.0	—	0	1.0	0.1		11	10550	—		—		0.967	
	CONEMAUGH DIESEL	20.72	—	—	11	11		1.0		0	1.0	0.1		11	10550	—		—		0.960	

Notes:
1) To obtain Current operating level, Min. Heat Rate, Start Fuel and Incremental Heat Rate Must be multiplied by Adj. Factor.
2) Values Shown are on A Per Unit Basis — Total Unit for Joint Owned

OCA EXHIBIT 23
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Q. IR-OCA-6-5. For each hour of the most recent twelve month period for which the data is available, please identify and provide:

a) The firm load obligation of the Company;
b) The firm load obligation served by generation from the Company's wholly- or parltially-owned generation;
c) The firm load obligation served by two-party transaction;
d) The firm load obligation served by net interchange;
e) The PECo dispatch rate;
f) The opposite party price and the PJM dispatch rate as seen by PECo;
g) The net MW sales to or purchases from interconnected electric systems;
h) The interruptible load of the Company.

A. IR-OCA-6-5. a through g

Attachment IR-OCA-6-5a, b, c, d, e, f, g, contains the information requested. This material is being supplied to this intervenor only due to the voluminous quantity. A copy will be given to any other intervenor who has need for this material.

h. The amount of interruptible load for large commercial and industrial customers is not known on an hour-by-hour basis. The company serves interruptible load customers under the provisions of the Night Service HT Rider and the Curtailment HT Rider. Customers on the Night Service HT Rider are required to interrupt separately metered on-peak load that is billed in accordance with the Supplemental Energy section of this rider. Customers on the Curtailment HT Rider are required to reduce their demand to a value specified in their contract whenever the company requests such reduction (limited to twenty times per year and 200 hours). In both cases, the amount of interruptible load in any given hour is dependent on the customer's load at that time.

Responsible Witness: J.J.Carroll,Staff Engineer,Services Div.

R-850152

GEC Exhibit 1

SQR 12-12-85 H109

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Q. IR-GEC-2-2. For each PECo nuclear unit, provide the following monthly information since the date of commercial operation:

a. Operation and maintenance expenses by FERC Account in a form similar to that used in Schedule 3 of Mr. Carroll's testimony.
b. Additions to plant by FERC Account.
c. A reconciliation of the annual totals with the information reported in the FERC Form 1 and the copies of the relvant pages from the Form 1 used to perform the reconciliation.

A. IR-GEC-2-2. a&c.

The operating and maintenance information requested on a monthly basis is not available since the commercial operation of our nuclear units. Attachment IR-GEC-2-2a contains the requested operating and maintenance expenses on an annual basis for Peach Bottom and Salem as contained in the Company's FERC Form 1. In addition, this attachment provides the requested reconciliation of O&M expenses by unit with the total station O&M expenses shown in FERC Form 1 for the years individual unit data was maintained.

b. The requested plant data on a monthly basis since the commercial operation of our nuclear units is not available. Attachment IR-GEC-2-2b contains the requested data on an annual basis by nuclear units and total nuclear as contained in the Company's FERC Form 1.

Responsible Witnesses: J.J. Carroll, Staff Engineer-Services Division

W.H. Smith, Manager - Plant Accounting

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Peach Bottom Station

Annual FERC Accounts ($1000)

Year	FERC Account #	Peach Bottom #2 Unit	Peach Bottom #3 Unit	Peach Bottom Station
1984	517	2 308	2 326	4 634
	518	13 153	32 317	45 470
	519	141	165	306
	520	3 665	3 005	6 670
	523	214	214	428
	524	3 988	3 940	7 928
	Sub total	23 468	41 967	65 435
	528	1 533	1 178	2 711
	529	852	725	1 577
	530	4 201	1 722	5 923
	531	2 517	612	3 129
	532	2 135	1 228	3 363
	Sub Total	11 239	5 464	16 703
	Grand Total	34 707	47 432	82 139
1983	517	1 581	2 027	3 608
	518	15 821	14 602	30 423
	519	234	231	465
	520	3 166	3 971	7 137
	523	244	244	488
	524	2 997	3 346	6 343
	Sub Total	24 043	24 420	48 463
	528	1 222	2 006	3 228
	529	738	766	1 504
	530	4 030	8 186	12 216
	531	792	2 414	3 206
	532	940	1 572	2 512
	Sub Total	7 722	14 944	22 666
	Grand Total	31 764	39 364	71 128
1982	517	1 230	1 773	3 003
	518	17 174	25 594	42 768
	519	236	271	507
	520	3 265	3 406	6 671
	523	202	203	405
	524	2 393	3 322	5 715
	Sub Total	24 500	34 569	59 069
	528	1 338	773	2 111
	529	646	403	1 049
	530	4 884	1 663	6 547
	531	2 194	663	2 857
	532	1 502	904	2 406
	Sub Total	10 562	4 407	14 969
	Grand Total	35 062	38 976	74 038

PREPARED
CHECKED
TYPED
COMPARED AND FOOTED

Salem Station

Annual FERC accounts
($1000)

Year	FERC account #	Salem #2	Salem #1	Salem Station
1984	517	2 405	2 582	4 987
	518	11 462	14 192	25 654
	519	90	105	195
	520	5 596	6 508	12 104
	523	472	562	1 034
	524	14 263	14 591	28 854
	525	125	125	250
	528	6 866	7 031	13 897
	529	1 389	2 283	3 672
	530	5 209	11 860	17 069
	531	3 002	4 273	7 275
	532	702	804	1 506
	Total	51 581	64 915	116 496
1983	517	1 722	1 810	3 532
	518	5 249	19 825	25 074
	519	202	215	417
	520	6 852	5 288	12 140
	523	554	540	1 094
	524	11 435	11 612	23 047
	525	49	47	96
	528	5 446	5 721	11 167
	529	1 040	1 208	2 248
	530	8 563	6 287	14 850
	531	3 505	4 758	8 263
	532	642	717	1 359
	Total	45 256	58 028	103 284
1982	517	1 839	2 387	4 226
	518	22 151	13 075	35 226
	519	204	225	429
	520	2 120	7 339	9 459
	523	531	921	1 452
	524	9 803	11 513	21 316
	525	31	34	65
	528	3 458	5 325	8 783
	529	1 077	1 655	2 732
	530	1 616	7 273	8 889
	531	1 453	10 221	11 674
	532	943	1 243	2 186
	Total	45 225	61 211	106 436
1981	517	251	2 200	2 451
	518	4 345	7 845	12 190
	519	115	639	754
	520	347	4 765	5 112
	523	82	889	971
	524	1 150	8 697	9 847
	525	2	28	30
	528	531	5 379	5 910
	529	136	1 580	1 716
	530	263	3 756	4 019
	531	212	3 690	3 902
	532	100	926	1 026
	Total	7 534	40 393	47 927

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Name of Respondent	This Report Is:	Date of Report	Year of Report
Philadelphia Electric Company	(1) [x] An Original (2) [ ] A Resubmission		December 31, 1984

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

Line No.	Item (a)	Plant Name Peach Bottom (g)	Plant Name Salem (h)
1	Kind of Plant	Nuclear	Nuclear
2	Type of Plant Construction	Conventional	Conventional
3	Year Originally Constructed	1974	1977
4	Year Last Unit Installed	1974	1981
5	Total Installed Capacity	979	997
6	Net Peak Demand on Plant-MW (60 minutes)	912	945
7	Plant Hours Connected to Load	7,954	5,576
8	Net Continuous Plant Capability (MW)		
9	When Not Limited by Condenser Water	888	945
10	When Limited by Condenser Water	886	930
11	Average Number of Employees	531	518
12	Net Generation, Excl. Plant Use-KWh	4,193,747,000	2,268,459,000
13	Cost Of Plant:		
14	Land and Land Rights	313,245	43,407
15	Structures and Improvements	101,072,468	199,102,112
16	Equipment Costs	331,112,571	673,824,716
17	Total Cost	432,498,284	872,970,235
18	Cost per KW of Installed Capacity	441.78	875.60
19	Production Expenses:		
20	Operation Supervision and Engineering	4,633,487	4,986,842
21	Fuel	45,469,366	25,654,575
22	Coolants & Water (Nuclear Plants Only)	305,473	194,791
23	Steam Expenses	6,670,031	12,103,104
24	Steam From Other Sources	-	-
25	Steam Transferred (Cr.)	-	-
26	Electric Expenses	428,474	1,033,880
27	Misc. Steam (or Nuclear) Power Exps.	7,928,257	28,853,936
28	Rents	-	249,060
29	Mtce. Supervision and Engineering	2,711,315	13,896,632
30	Mtce. of Structures	1,577,309	3,672,413
31	Mtce. of Boiler (or Reactor) Plant	5,922,395	17,069,416
32	Mtce. of Electric Plant	3,129,072	7,274,432
33	Mtce. of Misc. Steam (or Nuclear) Plant	3,363,053	1,506,135
34	Total Production Expenses	82,138,434	116,495,216
35	Expenses per Net KWh (cents)	1.96	5.14
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Uranium	Uranium
37	Unit: (Coal-tons) (Oil-Barrels)		
	Gas (MCF) (Nuclear-Grams)	Grams	Grams
38	Quantity (Units) of Fuel Burned	775,245	408,271
39	Avg. Heat Cont. of Fuel Burned (BTU)		
	(Coal, Gas, Oil or Nuclear)	58.19	60.94
40	Average Cost of Fuel per Unit, as		
	Delivered F.O.B. Plant During Year	Not App.	Not App.
41	Average Cost of Fuel per Unit Burned	$40.01	$50.37
42	Avg. Cost of Fuel Burned per Million Btu	$ 0.69	$ 0.83
43	Avg. Cost of Fuel Burned per KWh Net Gen.	0.74¢	0.91¢
44	Average Btu per KWh Net Generation	10,746	10,969

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year of Report
PHILADELPHIA ELECTRIC COMPANY	(1) ☒ An Original (2) ☐ A Resubmission	4/13	Dec. 31, 1983

Supplement to F
Page 3 of

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

LINE NO.	ITEM	PLANT NAME: Peach Bottom (g)	PLANT NAME: Salem (h)
1	Kind of Plant	Nuclear	Nuclear
2	Type of Plant Construction	Conventional	Conventio
3	Year Originally Constructed	1974	1977
4	Year Last Unit Installed	1974	1981
5	Total Installed Capacity	979	997
6	Net Peak Demand on Plant-MW (60 minutes)	912	945
7	Plant Hours Connected to Load	5,574	5,397
8	Net Continuous Plant Capability (MW)		
9	When Not Limited by Condenser Water	888	945
10	When Limited by Condenser Water	886	930
11	Average Number of Employees	305	508
12	Net Generation, Excl. Plant Use-KWh	2,920,552,000	2,281,099,000
13	Cost Of Plant:		
14	Land and Land Rights	288,923	43,407
15	Structures and Improvements	94,916,285	196,541,707
16	Equipment Costs	319,224,186	664,045,676
17	Total Cost	414,429,394	860,630,790
18	Cost per KW of Installed Capacity	423.319	863.220
19	Production Expenses:		
20	Operation Supervision and Engineering	3,607,565	3,531,390
21	Fuel	30,422,315	25,073,904
22	Coolants and Water (Nuclear Plants Only)	464,572	417,302
23	Steam Expenses	7,136,559	12,139,815
24	Steam From Other Sources	-	-
25	Steam Transferred (Cr.)	-	-
26	Electric Expenses	488,442	1,094,347
27	Misc. Steam (or Nuclear) Power Expenses	6,343,308	23,046,432
28	Rents	-	99,855
29	Maint. Supervision and Engineering	3,228,744	11,166,453
30	Maint. of Structures	1,503,882	2,247,159
31	Maint. of Boiler (or Reactor) Plant	12,215,197	14,849,993
32	Maint. of Electric Plant	3,206,366	8,262,918
33	Maint. of Misc. Steam (or Nuclear) Plant	2,511,327	1,358,572
34	Total Production Expenses	71,128,277	103,283,700
35	Expenses per Net KWh (cents)	2.435	4.528
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Uranium	Uranium
37	Units (Coal-tons) (Oil-Barrels) Gas (MCF) (Nuclear-Grams)	Grams	Grams
38	Quantity (Units) of Fuel Burned	933,900	461,227
39	Avg. Heat Cont. of Fuel Burned (BTU) (Coal, Gas, Oil or Nuclear)	59.40	60.79
40	Average Cost of Fuel per Unit, as Delivered F.O.B. Plant During Year	Not App.	Not App.
41	Average Cost of Fuel per Unit Burned	$38.68	$39.53
42	Avg. Cost of Fuel Burned per Million Btu	$ 0.65	$ 0.65
43	Avg. Cost of Fuel Burned per KWh Net Gen.	0.71¢	0.80¢
44	Average Btu per KWh Net Generation	10,885	10,973

IR-GEC-2-2a

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year of Report
PHILADELPHIA ELECTRIC COMPANY	(1) ☒ An Original (2) ☐ A Resubmission	5/13	Dec. 31, 19 82

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

1. Report data for Plant in Service only.
2. Large plants are steam plants with installed capacity (name plate ratings) of 25,000 Kw or more. Report on this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants.
3. Indicate by a footnote any plant leased or operated as a joint facility.
4. If net peak demand for 60 minutes is not available, give data which is available, specifying period.
5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant.
6. If gas is used and purchased on a therm basis, report the Btu content of the gas and the quantity of fuel burned converted to Mcf.
7. Quantities of fuel burned (line 38) and average cost per unit of fuel burned (line 41) must be consistent with charges to expense accounts 501 and 547 (line 41) shown on line 21.
8. If more than one fuel is burned in a plant, furnish only the composite heat for all fuels burned.

Line No.	Item (a)	Plant Name: Peach Bottom (b)			Plant Name: Salem (c)		
1	Kind of Plant (Steam, Internal Combustion, Gas Turbine or Nuclear)	Nuclear			Nuclear		
2	Type of Plant Construction (Conventional, Outdoor Boiler, Full Outdoor, Etc.)	Conventional			Conventional		
3	Year Originally Constructed	1974			1977		
4	Year Last Unit was Installed	1974			1981		
5	Total Installed Capacity (Maximum Generator Name Plate Ratings in MW)	979			997		
6	Net Peak Demand on Plant—MW (60 minutes)	901			941		
7	Plant Hours Connected to Load	8460			8709		
8	Net Continuous Plant Capability (Megawatts)						
9	When Not Limited by Condenser Water	888			945		
10	When Limited by Condenser Water	886			930		
11	Average Number of Employees	271			412		
12	Net Generation, Exclusive of Plant Use—KWh	5,662,528,000			5,081,810,000		
13	Cost of Plant:						
14	Land and Land Rights	298,923			37,129		
15	Structures and Improvements	93,928,125			181,923,376		
16	Equipment Costs	311,643,773			636,084,971		
17	Total Cost	405,860,821			818,045,476		
18	Cost per KW of Installed Capacity (Line 5)	$ 414.467			$ 820.507		
19	Production Expenses:						
20	Operation Supervision and Engineering	3,003,078			4,225,793		
21	Fuel	42,768,339			35,226,253		
22	Coolants and Water (Nuclear Plants Only)	506,749			428,654		
23	Steam Expenses	6,670,991			9,459,523		
24	Steam From Other Sources	-			-		
25	Steam Transferred (Cr.)	-			-		
26	Electric Expenses	404,479			1,451,532		
27	Misc. Steam (or Nuclear) Power Expenses	5,714,754			21,315,995		
28	Rents	-			65,006		
29	Maintenance Supervision and Engineering	2,111,000			8,782,681		
30	Maintenance of Structures	1,048,9021			2,732,004		
31	Maintenance of Boiler (or Reactor) Plant	6,546,646			8,888,046		
32	Maintenance of Electric Plant	2,852,422			11,673,653		
33	Maint. of Misc. Steam (or Nuclear) Plant	2,405,634			2,185,962		
34	Total Production Expenses	74,037,894			106,435,007		
35	Expenses per Net KWh (CENTS)	1.308			2.095		
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	URANTUM			URANTUM		
37	Unit: (Coal—tons of 2,000 lb.)(Oil—barrels of 42 gals.)(Gas—Mcf)(Nuclear—indicate)	GRAMS			GRAMS		
38	Quantity (Units) of Fuel Burned	987,473			923,972		
39	Avg. Heat Cont. of Fuel Burned (Btu per lb. of coal, per gal. of oil, or per Mcf of gas) (Give unit if nuclear)	61.40			60.28		
40	Average Cost of Fuel per Unit, as Delivered f.o.b. Plant During Year	Not. App.			Not. App.		
41	Average Cost of Fuel per Unit Burned	343.26			332.57		
42	Avg. Cost of Fuel Burned per Million Btu	$ .705			$ .540		
43	Avg. Cost of Fuel Burned per KWh Net Gen.	.75¢			.59¢		
44	Average Btu per KWh Net Generation	10,721			10,960		

IR-GEC-2-2(a)

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Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year of Report
PHILADELPHIA ELECTRIC COMPANY	(1) [X] An Original (2) [ ] A Resubmission		Dec. 31, 19 81

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

1. Report data for Plant in Service only.
2. Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report on this page gas-turbine and internal combustion plants of 10,000 Kw or more, and nuclear plants.
3. Indicate by a footnote any plant leased or operated as a joint facility.
4. If net peak demand for 60 minutes is not available, give data which is available, specifying period.
5. If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant.
6. If gas is used and purchased on a therm basis, report the Btu content of the gas and the quantity of fuel burned converted to Mcf.
7. Quantities of fuel burned (line 38) and average cost per unit of fuel burned (line 41) must be consistent with charges to expense accounts 501 and 547 (line 42) as shown on line 21.
8. If more than one fuel is burned in a plant, furnish only the composite heat rate for all fuels burned.

Line No.	Item (a)	Plant Name Peach Bottom (b)			Plant Name Salem (c)		
1	Kind of Plant (Steam, Internal Combustion, Gas Turbine or Nuclear)	Nuclear			Nuclear		
2	Type of Plant Construction (Conventional, Outdoor Boiler, Full Outdoor, Etc.)	Conventional			Conventional		
3	Year Originally Constructed	1974			1977		
4	Year Last Unit was Installed	1974			1981		
5	Total Installed Capacity (Maximum Generator Name Plate Ratings in MW)	979			997		
6	Net Peak Demand on Plant--MW (60 minutes)	914			918		
7	Plant Hours Connected to Load	7,006			6,989		
8	Net Continuous Plant Capability (Megawatts)						
9	When Not Limited by Condenser Water	888			945		
10	When Limited by Condenser Water	886			930		
11	Average Number of Employees	242			517		
12	Net Generation, Exclusive of Plant Use	4,148,254			3,843,923		
13	Cost of Plant:						
14	Land and Land Rights	288,923			20,098		
15	Structures and Improvements	92,275,836			178,247,388		
16	Equipment Costs	294,519,578			616,640,721		
17	Total Cost	387,084,337			794,908,207		
18	Cost per MW of Installed Capacity (Line 5)	395.387			797.300		
19	Production Expenses:						
20	Operation Supervision and Engineering	2,512,714			2,450,705		
21	Fuel	29,777,544			12,189,522		
22	Coolants and Water (Nuclear Plants Only)	511,213			733,443		
23	Steam Expenses	5,521,960			5,111,774		
24	Steam From Other Sources	-			-		
25	Steam Transferred (Cr.)	-			-		
26	Electric Expenses	382,055			971,511		
27	Misc. Steam (or Nuclear) Power Expenses	4,734,349			9,846,798		
28	Rents	-			29,875		
29	Maintenance Supervision and Engineering	2,101,345			5,910,687		
30	Maintenance of Structures	1,430,103			1,715,457		
31	Maintenance of Boiler (or Reactor) Plant	5,410,264			4,019,513		
32	Maintenance of Electric Plant	2,262,016			3,901,488		
33	Maint. of Misc. Steam (or Nuclear) Plant	2,961,059			1,025,481		
34	Total Production Expenses	57,604,622			47,926,252		
35	Expenses per Net MWh	13.89			12.47		
36	Fuel: Kind (Coal, Gas, Oil, or Nuclear)	Uranium	-	-	Uranium	-	-
37	Unit: (Coal--tons of 2,000 lb.)(Oil--barrels of 42 gals.)(Gas--Mcf)(Nuclear--Indicate)	Grams	-	-	Grams	-	-
38	Quantity (Units) of Fuel Burned	755,772	-	-	618,223	-	-
39	Avg. Heat Cont. of Fuel Burned (Btu per lb. of coal per gal. of oil, or per Mcf of gas) (Give unit if nuclear)	58.81	-	-	58.622	-	-
40	Average Cost of Fuel per Unit, as Delivered f.o.b. Plant During Year	Not App.	-	-	Not App.	-	-
41	Average Cost of Fuel per Unit Burned	938.56			$23.80	-	-
42	Avg. Cost of Fuel Burned per Million Btu	$0.66	-	-	$0.40	-	-
43	Avg. Cost of Fuel Burned per MWh Net Gen.	$7.03	-	-	$4.44	-	-
44	Average Btu per MWh Net Generation	10,715,000	-	-	11,095,000	-	-

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

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1. Large plants for the purpose of this schedule are steam plants of 25,000 kw or more of installed capacity (name plate rating). Include gas-turbine and internal combustion plants of 10,000 kw and more in this schedule. Include nuclear plants.
2. If any plant is leased or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.
3. If net peak demand for 60 minutes is not available, give that which is available, specifying period.
4. If a group of employees attends more than one generating plant, report on line 11 the approximate average number of employees assignable to each plant.
5. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel burned converted to M cu. ft.
6. Quantities of fuel burned (line 38) and average cost per unit of fuel burned (line 41) should be consistent with charges to expense accounts 501 and 547 (line 42) as shown on line 21.
7. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.
8. The titles under cost of plant represent accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching.

Line No.	Item (a)	Plant Name: Peach Bottom (b)	Plant Name: Salem (c)
1	Kind of plant (steam, internal combustion, gas turbine or nuclear)	Nuclear	Nuclear
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)	Conventional	Conventional
3	Year originally constructed	1974	1977
4	Year last unit was installed	1974	1977
5	Total installed capacity (maximum generator name plate ratings in kw.)	978 970	498 303
6	Net peak demand on plant—kw. (60 minutes)	909 286	474 000
7	Plant hours connected to load	7 855	6 078
8	Net continuous plant capability, kilowatts:		
9	(a) When not limited by condenser water	888 000	468 000
10	(b) When limited by condenser water	886 000	459 000
11	Average number of employees	209	443
12	Net generation, exclusive of plant use	4 919 371 000	2 413 993 000
13	Cost of plant:		
14	Land and land rights	$ 287 914	$ 23 196
15	Structures and improvements	94 371 917	128 556 001
16	Equipment costs	260 857 580	306 374 046
17	Total cost	$ 355 517 411	$ 434 953 243
18	Cost per kw. of installed capacity (Line 5)	$363.15	$872.87
19	Production expenses:		
20	Operation supervision and engineering	$ 1 984 647	$ 1 955 624
21	Fuel	22 466 129	7 408 871
22	Coolants and water (nuclear plants only)	471 506	525 749
23	Steam expenses	5 050 355	4 933 995
24	Steam from other sources	-	-
25	Steam transferred (Cr.)	-	-
26	Electric expenses	298 101	691 764
27	Misc. steam (or nuclear) power expenses	3 445 928	6 972 045
28	Rents	-	36 663
29	Maintenance supervision and engineering	1 820 900	3 283 020
30	Maintenance of structures	1 053 047	1 112 798
31	Maintenance of boiler (or reactor) plant	5 095 113	4 732 165
32	Maintenance of electric plant	1 792 074	4 476 425
33	Maint. of misc. steam (or nuclear) plant	3 154 576	570 618
34	Total production expenses	$ 46 632 376	$ 36 699 737
35	Expenses per net kwh. (Mills—2 places)	9.48	15.20
36	Fuel: Kind (coal, gas, oil or nuclear)	Uranium	Uranium
37	Unit: (Coal—tons of 2,000 lb.) (Oil—barrels of 42 gals.) (Gas—M cu. ft.) (Nuclear, indicate)	Grams	Grams
38	Quantity (units) of fuel burned	857 895	406 560
39	Average heat content of fuel burned (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas) *	See Note	63.7280
40	Average cost of fuel per unit, as delivered f.o.b. plant during year	Not App.	NONE
41	Average cost of fuel per unit burned	Not App.	$16.444
42	Avg. cost of fuel burned per million B.t.u.	$0.413	$0.287
43	Avg. cost of fuel burned per kwh. net gen.	0.441¢	0.307¢
44	Average B.t.u. per kwh. net generation	10 695	10 696

* Nuclear, indicate units.

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Annual report of PHILADELP[illegible] ELECTRIC COMPANY .... Year ended December 31, 19....

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

8-13

1. Large plants for the purpose of this schedule are steam plants of 25,000 kw or more of installed capacity (name plate rating). Include gas-turbine and internal combustion plants of 10,000 kw and more in this schedule. Include nuclear plants.
2. If any plant is leased or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.
3. If net peak demand for 60 minutes is not available, give that which is available, specifying period.
4. If a group of employees attends more than one generating plant, report on line 11 the approximate average number of employees assignable to each plant.
5. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel burned converted to M cu. ft.
6. Quantities of fuel burned (line 38) and average cost per unit of fuel burned (line 41) should be consistent with charges to expense accounts 501 and 547 (line 42) as shown on line 21.
7. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.
8. The items under cost of plant represent accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses do not include Purchased Power, System Control and Load Dis-

Line No.	Item (a)	Plant Name Peach Bottom (b)	Plant Name Salem (c)
1	Kind of plant (steam, internal combustion, gas turbine or nuclear)	Nuclear	Nuclear
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)	Conventional	Conventional
3	Year originally constructed	1974	1977
4	Year last unit was installed	1974	1977
5	Total installed capacity (maximum generator name plate ratings in kw.)	978 970	498 303
6	Net peak demand on plant—kw. (60 minutes)	913 535	490 000
7	Plant hours connected to load	8 760	2 233
8	Net continuous plant capability, kilowatts:		
9	(a) When not limited by condenser water	888 000	468 000
10	(b) When limited by condenser water	886 000	460 000
11	Average number of employees	175	390
12	Net generation, exclusive of plant use	6 235 872 000	868 547 000
13	Cost of plant:		
14	Land and land rights	$ 314 337	$ 23 196
15	Structures and improvements	97 885 709	124 497 245
16	Equipment costs	247 580 303	290 557 250
17	Total cost	$ 345 780 349	$ 415 077 691
18	Cost per kw. of installed capacity (Line 5)	$353.21	$832.98
19	Production expenses:		
20	Operation supervision and engineering	$ 1 652 093	$ 996 225 PE Share
21	Fuel	22 044 141	2 463 860 $4,235,000
22	Coolants and water (nuclear plants only)	317 307	271 559
23	Steam expenses	3 364 785	4 751 638
24	Steam from other sources	-	-
25	Steam transferred (Cr.)	-	-
26	Electric expenses	244 748	438 799
27	Misc. steam (or nuclear) power expenses	2 643 278	4 656 988
28	Rents	-	28 845
29	Maintenance supervision and engineering	807 785	2 619 063
30	Maintenance of structures	545 957	883 213
31	Maintenance of boiler (or reactor) plant	3 682 248	3 777 421
32	Maintenance of electric plant	1 202 136	3 019 831
33	Maint. of misc. steam (or nuclear) plant	2 537 597	354 390
34	Total production expenses	$ 39 042 075	$ 24 261 832
35	Expenses per net kwh. (Mills—2 places)	6.26	27.93
36	Fuel: Kind (coal, gas, oil or nuclear)	Uranium	Uranium
37	Unit: (Coal—tons of 2,000 lb.) (Oil—barrels of 42 gals.) (Gas—M cu. ft.) (Nuclear, indicate)	Grams	Grams
38	Quantity (units) of fuel burned	1 104 012	153 012
39	Average heat content of fuel burned (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas)*	See Notes	61.9074 (See Note)
40	Average cost of fuel per unit, as delivered f.o.b. plant during year	Not App.	Not App.
41	Average cost of fuel per unit burned	Not App.	~~$27.687~~ 16.069
42	Avg. cost of fuel burned per million B.t.u.	$0.327	~~$0.447~~ .260
43	Avg. cost of fuel burned per kwh. net gen.	0.347¢	~~0.4876¢~~ .283
44	Average B.t.u. per kwh. net generation	10 672	10 889

* Nuclear, indicate unit.

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

9d 13

1. Large plants for the purpose of this schedule are steam plants of 25,000 kw or more of installed capacity (name plate rating). Include gas-turbine and internal combustion plants of 10,000 kw and more in this schedule. Include nuclear plants.
2. If any plant is leased or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.
3. If net peak demand for 60 minutes is not available, give that which is available, specifying period.
4. If a group of employees attends more than one generating plant, report on line 11 the approximate average number of employees assignable to each plant.
5. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel burned converted to M cu. ft.
6. Quantities of fuel burned (line 38) and average cost per unit of fuel burned (line 41) should be consistent with charges to accounts 501 and 547 (line 43) as shown on line 21.
7. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.
8. The itemized cost of plant represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching.

Line No	Item (a)	Plant Name Peach Bottom (b)	Plant Name Salem (c)
1	Kind of plant (steam, internal combustion, gas turbine or nuclear)	Nuclear	Nuclear
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)	Conventional	Conventional
3	Year originally constructed	1974	1977
4	Year last unit was installed	1974	1977
5	Total installed capacity (maximum generator name plate ratings in kw.)	378 970	498 303
6	Net peak demand on plant—kw. (60 minutes)	894 415	480 000
7	Plant hours connected to load	8 760	4 867
8	Net continuous plant capability, kilowatts:		
9	(a) When not limited by condenser water	888 000	468 000
10	(b) When limited by condenser water	886 000	459 000
11	Average number of employees	150	321
12	Net generation, exclusive of plant use	5 846 590 000	1 921 912 000
13	Cost of plant:		
14	Land and land rights	$ 314 337	$ 23 196
15	Structures and improvements	97 488 647	116 806 626
16	Equipment costs	245 302 081	277 375 910
17	Total cost	$ 343 105 065	$ 394 205 732
18	Cost per kw. of installed capacity (Line 5)	$ 350.48	$ 791.10
19	Production expenses:		
20	Operation supervision and engineering	$ 1 464 425	$ 697 426
21	Fuel	19 680 241	5 589 761
22	Coolants and water (nuclear plants only)	247 407	237 630
23	Steam expenses	4 094 640	2 546 409
24	Steam from other sources	-	-
25	Steam transferred (Cr.)	-	-
26	Electric expenses	247 400	372 007
27	Misc. steam (or nuclear) power expenses	2 158 748	2 827 762
28	Rents	-	4 494
29	Maintenance supervision and engineering	667 684	1 325 038
30	Maintenance of structures	548 633	325 327
31	Maintenance of boiler (or reactor) plant	3 618 072	1 332 594
32	Maintenance of electric plant	1 346 943	1 577 578
33	Maint. of misc. steam (or nuclear) plant	2 307 465	404 695
34	Total production expenses	$ 36 381 658	$ 17 240 661
35	Expenses per net kwh. (Mills—2 places)	6.22	8.97
36	Fuel: Kind (coal, gas, oil or nuclear)	Uranium	Uranium
37	Unit: (Coal—tons of 2,000 lb.) (Oil—barrels of 42 gals.) (Gas—M cu. ft.) (Nuclear, indicate)	Grams	Grams
38	Quantity (units) of fuel burned	1 058 037	343 892
39	Average heat content of fuel burned (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas)	19 000 (See Note)	60 098 (See Note)
40	Average cost of fuel per unit, as delivered f.o.b. plant during year	Not App.	Not App.
41	Average cost of fuel per unit burned	Not App.	$ 23.007
42	Avg. cost of fuel burned per million B.t.u.	$ 0.308	$ 0.383
43	Avg. cost of fuel burned per kwh. net gen.	0.936¢	0.412¢
44	Average B.t.u. per kwh. net generation	10 902	10 714

* Nuclear, indicate units

IR-GEC-2-24

PHILADELPHIA ELECTRIC COMPANY

Annual report of ..... Year ended December 31, 1977

10213

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

1. Large plants for the purpose of this schedule are steam plants of 25,000 kw or more of installed capacity (name plate rating). Include gas-turbine and internal combustion plants of 10,000 kw and more in this schedule. Include nuclear plants.
2. If any plant is leased or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.
3. If net peak demand for 60 minutes is not available, give that which is available, specifying period.
4. If a group of employees attends more than one generating plant, report on line 11 the approximate average number of employees assignable to each plant.
5. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel burned converted to M cu. ft.
6. Quantities of fuel burned (line 38) and average cost per unit of fuel burned (line 41) should be consistent with charges to expense accounts 501 and 547 (line 42) as shown on line 21.
7. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.
8. The item under cost of plant represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching.

Line No.	Item (a)	Plant Name (b)	Plant Name (c)
1	Kind of plant (steam, internal combustion, gas turbine or nuclear)	Nuclear	Nuclear
2	Type of plant construction: (conventional, outdoor boiler, full outdoor, etc.)	Conventional	Conventional
3	Year originally constructed	1974	1977
4	Year last unit was installed	1974	1977
5	Total installed capacity (maximum generator name plate ratings in kw.)	978 970	498 303
6	Net peak demand on plant—kw. (60 minutes)	881 668	473 000
7	Plant hours connected to load	8 043	5 195
8	Net continuous plant capability, kilowatts:		
9	(a) When not limited by condenser water	888 000	464 000
10	(b) When limited by condenser water	886 000	459 000
11	Average number of employees	123	256
12	Net generation, exclusive of plant use	3 729 318 000	866 772 000
13	Cost of plant:		
14	Land and land rights	$ 314 337	$ -
15	Structures and improvements	98 443 780	109 295 490
16	Equipment costs	240 520 565	266 846 414
17	Total cost	$ 339 278 682	$ 376 141 904
18	Cost per kw. of installed capacity (Line 5)	$346.57	$754.85
19	Production expenses:		
20	Operation supervision and engineering	$ 860 570	$ 157 502 -
21	Fuel	12 263 753	2 849 704
22	Coolants and water (nuclear plants only)	400 466	132 369 -
23	Steam expenses	4 422 673	1 454 601 -
24	Steam from other sources	-	-
25	Steam transferred (Cr.)	-	-
26	Electric expenses	178 786	199 391 -
27	Misc. steam (or nuclear) power expenses	1 571 070	1 065 257 -
28	Rents	-	-
29	Maintenance supervision and engineering	769 767	426 500
30	Maintenance of structures	405 221	196 620
31	Maintenance of boiler (or reactor) plant	5 303 261	1 112 099
32	Maintenance of electric plant	1 686 241	733 550
33	Maint. of misc. steam (or nuclear) plant	2 900 373	244 767
34	Total production expenses	$ 30 762 181	$ 8 572 360
35	Expenses per net kwh. (Mills—2 places)	8.25	9.89
36	Fuel: Kind (coal, gas, oil or nuclear)	Uranium	Uranium
37	Unit: (Coal—tons of 2,000 lb.) (Oil—barrels of 42 gals.) (Gas—M cu. ft.) (Nuclear, indicate)	Grams	Grams
38	Quantity (units) of fuel burned	710 283	224 576
39	Average heat content of fuel burned (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas) *	19 000 (See Note)	78.8389
40	Average cost of fuel per unit, as delivered f.o.b. plant during year	Not App.	Not App.
41	Average cost of fuel per unit burned	Not App.	Not App.
42	Avg. cost of fuel burned per million B.t.u.	$0.289	$0.297
43	Avg. cost of fuel burned per kwh. net gen.	0.322¢	0.329¢
44	Average B.t.u per kwh. net generation	11 142	11 182

* Nuclear, indicate units.

IR-GEC-2-2a1

Annual report of PHILADELPHIA ELECTRIC COMPANY Year ended December 31, 1976

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) 11 1 L3

1. Large plants for the purpose of this schedule are steam plants of 25,000 kw or more of installed capacity (name plate ratings). Include gas-turbine and internal combustion plants of 10,000 kw and more in this schedule. Include nuclear plants.
2. If any plant is leased or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.
3. If net peak demand for 60 minutes is not available, give that which is available, specifying period.
4. If a group of employees attends more than one generating plant, report on line 11 the approximate average number of employees assignable to each plant.
5. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel burned converted to M cu. ft.
6. Quantities of fuel burned (line 38) and average cost per unit of fuel burned (line 41) should be consistent with charges to expense accounts 501 and 547 (line 42) as shown on line 22.
7. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.
8. The items under cost of plant represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses do not include Purchased Power, System Control and Load Dispatching.

Line No.	Item (a)	Plant Name Peach Bottom (b)	Plant Name Croydon (c)
1	Kind of plant (steam, internal combustion, gas turbine or nuclear)	Nuclear	Gas Turbine
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)	Conventional	Metal Enclosure
3	Year originally constructed	1974	1974
4	Year last unit was installed	1974	1974
5	Total installed capacity (maximum generator name plate ratings in kw.)	978 970	546 400
6	Net peak demand on plant—kw. (60 minutes)	885 917	435 000
7	Plant hours connected to load	8 313	3 075
8	Net continuous plant capability, kilowatts:		
9	(a) When not limited by condenser water	888 000	544 000
10	(b) When limited by condenser water	886 000	492 000
11	Average number of employees	110	Automatically Operated
12	Net generation, exclusive of plant use	4 997 035 000	597 665 000
13	Cost of plant:		
14	Land and land rights	$ 914 337	$ 397 195
15	Structures and improvements	97 019 121	6 428 929
16	Equipment costs	229 849 694	56 671 598
17	Total cost	$ 927 183 152	$ 69 497 722
18	Cost per kw. of installed capacity (Line 5)	$994.21	$116.21
19	Production expenses:		
20	Operation supervision and engineering	$ 593 537	$ 91 865
21	Fuel	14 011 716	14 444 294
22	Coolants and water (nuclear plants only)	311 549	-
23	Steam expenses	3 229 090	-
24	Steam from other sources	-	-
25	Steam transferred (Cr.)	-	-
26	Electric expenses	191 937	219 568
27	Misc. steam (or nuclear) power expenses	1 069 089	9 298
28	Rents	-	-
29	Maintenance supervision and engineering	499 512	23 461
30	Maintenance of structures	254 389	191 919
31	Maintenance of boiler (or reactor) plant	4 079 160	-
32	Maintenance of electric plant	988 841	1 896 351
33	Maint. of misc. steam (or nuclear) plant	691 251	23 889
34	Total production expenses	$ 25 914 005	$ 16 900 645
35	Expenses per net kwh. (Mills—2 places)	5.25	28.28
36	Fuel: Kind (coal, gas, oil or nuclear)	Uranium	Oil
37	Unit: (Coal—tons of 2,000 lb.) (Oil—barrels of 42 gals.) (Gas—M cu. ft.) (Nuclear, indicate)	Grams	
38	Quantity (units) of fuel burned	904 812	1 143 733
39	Average heat content of fuel burned (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas)	19 000 (See Note)	138 122
40	Average cost of fuel per unit, as delivered f.o.b. plant during year	Not App.	$12.613
41	Average cost of fuel per unit burned	Not App.	$12.629
42	Avg. cost of fuel burned per million B.t.u.	$0.259	$2.177
43	Avg. cost of fuel burned per kwh. net gen.	0.284¢	2.417¢
44	Average B.t.u. per kwh. net generation	10 948	11 109

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants)

12-13

1. Large plants for the purpose of this schedule are steam plants of 25,000 kw or more of installed capacity (name plate rating). Include gas-turbine and internal combustion plants of 10,000 kw and more in this schedule. Include nuclear plants.
2. If any plant is leased or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.
3. If net peak demand for 60 minutes is not available, give that which is available, specifying period.
4. If a group of employees attends more than one generating plant, report on line 11 the approximate average number of employees assignable to each plant.
5. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel burned converted to M cu. ft.
6. Quantities of fuel burned (line 38) and average cost per unit of fuel burned (line 41) should be consistent with charges to expense accounts 501 and 547 (line 42) as shown on line 21.
7. If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.
8. The items under cost of plant represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses do not include Purchased Power, System Control and Load Dis-

Line No.	Item (a)	Plant Name Peach Bottom (b)	Plant Name Croydon (c)
1	Kind of plant (steam, internal combustion, gas turbine or nuclear)	Nuclear	Gas Turbine
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)	Conventional	Metal Enclosures
3	Year originally constructed	1974	1974
4	Year last unit was installed	1974	1974
5	Total installed capacity (maximum generator name plate ratings in kw.)	978 970	546 000
6	Net peak demand on plant—kw. (60 minutes)	902 063	435 000
7	Plant hours connected to load	8 497	3 100
8	Net continuous plant capability, kilowatts:		
9	(a) When not limited by condenser water	888 041	432 000
10	(b) When limited by condenser water	885 917	532 000
11	Average number of employees	104	Automatically Operated
12	Net generation, exclusive of plant use	4 391 701 000	685 672 000
13	Cost of plant:		
14	Land and land rights	$ 314 337	$ 397 195
15	Structures and improvements	101 584 970	6 438 309
16	Equipment costs	220 828 270	56 754 275
17	Total cost	$ 322 727 577	$ 69 589 779
18	Cost per kw. of installed capacity (Line 5)	$329.66	$116.46
19	Production expenses:		
20	Operation supervision and engineering	$ 415 315	$ 97 592
21	Fuel	12 467 258	16 455 489
22	Coolants and water (nuclear plants only)	87 281	-
23	Steam expenses	1 108 772	-
24	Steam from other sources	-	-
25	Steam transferred (Cr.)	-	-
26	Electric expenses	112 555	181 000
27	Misc. steam (or nuclear) power expenses	675 776	1 780
28	Rents	-	-
29	Maintenance supervision and engineering	142 148	26 905
30	Maintenance of structures	80 781	152 340
31	Maintenance of boiler (or reactor) plant	1 361 169	-
32	Maintenance of electric plant	566 742	1 178 155
33	Maint. of misc. steam (or nuclear) plant	193 760	22 873
34	Total production expenses	$ 17 211 557	$ 18 116 128
35	Expenses per net kwh. (Mills—2 places)	3.92	26.42
36	Fuel: Kind (coal, gas, oil or nuclear)	Uranium	Oil
37	Unit: (Coal—tons of 2,000 lb.) (Oil—barrels of 42 gals.) (Gas—M cu. ft.) (Nuclear, indicate)	Grams	
38	Quantity (units) of fuel burned	867 466	1 341 101
39	Average heat content of fuel burned (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas)	19 000 (See Note)	138 209
40	Average cost of fuel per unit, as delivered f.o.b. plant during year	Not App.	$12.258
41	Average cost of fuel per unit burned	Not App.	$12.270
42	Avg. cost of fuel burned per million B.t.u.	$0.257	$2.114
43	Avg. cost of fuel burned per kwh. net gen.	0.284¢	2.400¢
44	Average B.t.u. per kwh. net generation	11 030	11 353

STEAM-ELECTRIC GENERATING PLANT STATISTICS (Large Plants) (Continued)

patching, and Other Expenses classified as "Other Power Supply Expenses."

9. For I.C. and G.T. plants report Operating Expenses, Acct's Nos. 548 and 549 on line 26 "Electric Expenses," and Maintenance Acct's Nos. 553 and 554 on line 32 "Maintenance of Electric Plant." Indicate plants designed for peak load service. Designate automatically operated plants.

10. If any plant is equipped with combinations of fossil fuel steam, nuclear steam, hydro, internal combustion or gas turbine equipment, each should be reported as a separate plant. However, if a gas turbine unit functions in a combined cycle operation with a conventional steam unit, the gas turbine should be included with the steam plant.

11. If the respondent operates a nuclear power generating plant append (a) a brief explanatory statement concerning accounting for the cost of power generated including any attribution of excess costs to research and development expenses; (b) a brief explanation of types of cost units used with respect to the various components of the fuel cost, and (c) such additional information as may be important concerning the type of plant, kind of fuel used, fuel enrichment by type and quantity for the reporting period and other physical and operating characteristics of the plant.

Line No.	Plant Name (d) Peach Bottom Units #2 & #3	Plant Name (e) Barbadoes	Plant Name (f) Southwark
1	Nuclear	Gas Turbine Peak Load Service	Gas Turbine Peak Load Service
2	Conventional	Metal Enclosure & Metal Enclosed Building	Metal Enclosures
3	1974	1961	1967
4	1974	1970	1968
5			
	978 970	66 250	74 400
6	902 063	43 000	76 000
7	3 913	1 349	1 142
8			
9	888 041	68 000	88 000
10	885 917	59 000	68 000
11	110	Automatically Operated	Automatically Operated
12	1 579 473 000	31 489 000	51 710 000
13			
14	$ 86 362	$ 3 164	$ 166 148
15	99 831 574	178 111	36 625
16	216 250 912	6 501 941	5 839 698
17	$ 316 168 848	$ 6 683 216	$ 6 042 471
18	$322.96	$100.88	$81.22
19			
20	$ 81 866	$ 17 639	$ 15 094
21	4 532 609	991 648 Y	1 595 733 Y
22	38 050	-	-
23	147 427	-	-
24	-	-	-
25	-	-	-
26	26 229	43 936	25 340
27	99 078	1 441	-
28	-	-	-
29	19 658	2 085	5 951
30	3 913	4 406	8 501
31	140 790	-	-
32	102 221	42 223	130 400
33	14 224	371	4 495
34	$ 5 206 065	$ 1 103 749	$ 1 785 514
35	3.30	35.05	34.53
36	Uranium	Oil / Gas	Oil
37	Grams		
38	339 799	75 245 / 41 359	128 529
39	19 000 (See Note)	136 420 / 1 030	136 420
40			
41	Not Applicable	$12.149 / $1.846	$12.324
42	Not Applicable	$12.164 / $1.845	$12.415
43	$0.259	$ 2.123 / $1.792	$ 2.167
	0.283¢	3.194¢ / 2.635¢	3.086¢
44	10 921	15 044	14 241

Rev (12-70)

Attachment -IR-2-2b

Philadelphia Electric Company
Peach Bottom #2 and #3 Salem 1, 2 & common facilities
Book Additions from Date of Commercial Operation
($1,000)

	320	321	322	323	324	325	Total
Peach Bottom #2 & #3							
1974	27	99 832	123 629	52 193	36 538	3 726	315 945
1975		1 743	4 301	283	11	63	6 401
1976		(4 566)	(1 273)	5 044	(449)	6 204	4 460
1977		1 425	976	8 199	901	595	12 096
1978		(955)	4 281	403	103	17	3 849
1979		398	1 583	611	(75)	159	2 676
1980		(3 473)	11 609	(639)	138	2 809	10 447
1981		1 905	30 322	(112)	(191)	731	32 655
1982		1 433	15 601	295	522	1 083	18 934
1983		788	7 631	(879)	104	1 073	8 917
1984	24	6 156	9 108	1 371	(59)	1 489	18 089
Salem #1							
1977	23	32 260	112 878	33 518	39 220	5 914	223 813
1978		5 552	2 723	751	1 542	382	10 450
1979		4 588	(1 843)	6 572	3 012	674	13 003
1980	(23)	3 115	13 458	(2 324)	1 693	(75)	15 844
1981		(1 588)	1 809	339	438	(16)	1 488
1982		2 728	2 928	(355)	3 037	512	8 850
1983		4 210	7 863	1 202	2 837	(163)	15 949
1984		(938)	3 664	5 049	2 593	(71)	10 297
Salem #2							
1981		48 975	186 588	51 625	57 415	5 938	350 541
1982		217	2 232	569	1 664	697	5 439
1983		2 199	7 258	4 922	2 214	(466)	16 127
1984		727	4 355	2 374	85	(131)	2 410
Salem 1&2 & common facilities							
1977		77 035	30 715	28 832	10 447	5 312	152 341
1978		1 959	3 092	1 086	1 162	303	7 602
1979		3 103	3 959	332	1 272	489	9 155
1980	23	943	600	1 110	1 115	615	4 406
1981	(3)	2 305	(210)	5 628	(14)	304	7 910
1982	17	671	(234)	5 302	2 990	737	9 483
1983	6	8 209	1 291	(1 869)	3 681	915	12 233
1984		2 771	27	1 519	884	(1 499)	3 702
Peach Bottom #1							
1974	1	8			(727)		718
1975					(165)	3	(162)
Nuclear Training Center							
1980		1 450				7	1 457
1981		18					18
1982							
1983		43				44	87
1984							

Attachment IR-GEC-2-2b
12 of 13

Attachment IR-GEC-2-2(b)

Philadelphia Electric Company
Peach Bottom 2 & 3 and Salem 1, 2 & Common facilities

($1,000)

		320	321	322	323	324	325	Total
Total	1							
1974	2	28	29,840	123,629	52,193	35,811	3,226	315,927
1975	3		1,243	4,301	283	(154)	66	6,239
1976	4		(4,566)	(1,773)	5,644	(449)	6,204	4,460
1977	5	23	110,720	144,569	70,549	50,568	11,821	388,250
1978	6		6,556	9,596	2,240	2,807	702	21,901
1979	7		8,089	3,699	7,515	4,209	1,323	24,834
1980	8		2,035	25,667	(1,833)	2,746	3,356	32,151
1981	9	(3)	51,615	218,509	57,980	57,648	6,863	392,612
1982	10	17	5,109	20,527	5,811	8,213	3,029	42,706
1983	11	6	15,649	24,043	3,376	8,836	1,403	53,313
1984	12	24	8,716	12,154 (c)	10,313	3,503	(212) (b)	39,498
	13							
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(a) Form 1 includes capitalized leases (147)	21							
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(b) Form 1 includes capitalized leases 936	24							
	25							
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Attachment IR-GEC-2-2(b)
2d/3

IR - GEC - 2-2

Attachment IR-GEC-2-2(a)

ELECTRIC PLANT IN SERVICE

(In addition to Account 101, Electric Plant In Service [Classified], this schedule includes Account 102, Electric Plant Purchased or Sold, Account 103, Experimental Electric Plant Unclassified and Account 106, Completed Construction Not Classified-Electric.)

1. Report below the original cost of electric plant in service according to prescribed accounts.
2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f). Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account 102, Electric Plant Purchased or Sold.

In showing the clearance of Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments, etc., and show in column (f) only the offset to the debits or credits distributed in column (f) to primary account classifications.

Annual report of PHILADELPHIA ELECTRIC COMPANY ... Year ended December 31, 1974.

Line No.	Account (a)	Balance beginning of year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance end of year (g)
1	1. INTANGIBLE PLANT	$	$	$	$	$	$
2	(301) Organization						
3	(302) Franchises and consents	162 934	-	-	-	-	162 934
4	(303) Miscellaneous intangible plant	-	-	-	-	-	-
5	Total intangible plant	162 934	-	-	-	-	162 934
6	2. PRODUCTION PLANT						
7	STEAM PRODUCTION PLANT						
8	(310) Land and land rights	8 165 265	7,290	-	-	(322,292)	7,850 263
9	(311) Structures and improvements	128 534 005	39,643,382	6,395	-	(6,831)	168,164,161
10	(312) Boiler plant equipment	289 967 480	70 675 522	648 270	-	6 831	360 001 563
11	(313) Eng'g. and eng. driven generators	-	-	-	-	-	-
12	(314) Turbogenerator units	135 732 901	34 580 986	2 118 506	-	-	168 195 381
13	(315) Accessory electric equipment	69 902 300	13 199 390	48 481	-	3 596	83 056 805
14	(316) Misc. power plant equipment	8 850 801	1 790 282	14 346	-	(203)	10 626 534
15	Total steam production plant	641 152 752	159 896 852	2 835 998	-	(318 899)	797 894 707
16	NUCLEAR PRODUCTION PLANT						
17	(320) Land and land rights	286 374	27 963	-	-	-	314 337
18	(321) Structures and improvements	1 967 808	99 839 763	-	-	-	101 807 571
19	(322) Reactor plant equipment	6 112 707	123 629 258	-	-	-	129 741 965
20	(323) Turbogenerator units	1 076 775	52 192 863	-	-	-	53 269 638
21	(324) Accessory electric equipment	1 434 742	35 810 714	-	-	-	37 245 456
22	(325) Misc. power plant equipment	548 800	3 726 435	-	-	-	4 275 235
23	Total nuclear production plant	11 427 206	315 226 996	-	-	-	326 654 202
24	HYDRAULIC PRODUCTION PLANT						
25	(330) Land and land rights	1 525 879	-	-	-	(124 437)	1 401 442
26	(331) Structures and improvements	14 423 547	68 763	3 088	-	-	14 489 222
27	(332) Reservoirs, dams, and waterways	33 133 629	94 968	-	-	(54 410)	33 174 187
28	(333) Wtr. whls., turb., and generators	19 198 128	1 444 027	769 300	-	-	19 872 855
29	(334) Accessory electric equipment	6 956 278	89 505	-	-	-	7 045 783
30	(335) Misc. power plant equipment	2 123 021	83 225	574	-	-	2 205 672
31	(336) Roads, railroads, and bridges	1 008 480	8 857	-	-	-	1 017 337
32	Total hydraulic production plant	78 368 962	1 789 345	772 962	-	(178 847)	79 206 498

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ELECTRIC PLANT IN SERVICE

(In addition to Account 101, Electric Plant in Service [Classified], this schedule includes Account 102, Electric Plant Purchased or Sold, Account 103, Experimental Electric Plant Unclassified and Account 106, Completed Construction Not Classified-Electric.)

1. Report below the original cost of electric plant in service according to prescribed accounts.
2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f). Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account 102, Electric Plant Purchased or Sold.

In showing the clearance of Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments, etc., and show in column (f) only the offset to the debits or credits distributed in column (f) to primary account classifications.

Annual report of PHILADELPHIA ELECTRIC COMPANY Year ended December 31, 19 75

Attachment IR-6EC-2-2(b)

Line No.	Account (a)	Balance beginning of year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance end of year (g)
1	1. INTANGIBLE PLANT	$	$	$	$	$	$
2	(301) Organization						
3	(302) Franchises and consents	162 934	-	-	-	-	162 934
4	(303) Miscellaneous intangible plant	-	-	-	-	-	-
5	Total intangible plant	162 934	-	-	-	-	162 934
6	2. PRODUCTION PLANT						
7	STEAM PRODUCTION PLANT						
8	(310) Land and land rights	7 850 263	58	-	-	-	7 850 321
9	(311) Structures and improvements	168 164 161	2 207 594	100 175	-	(63 957)	170 207 623
10	(312) Boiler plant equipment	960 001 563	7 920 310	5 386 229	-	(67 882)	962 467 762
11	(313) Eng'g. and eng. driven generators	-	-	-	-	-	-
12	(314) Turbogenerator units	168 195 981	(1 716 648)	8 492 469	-	112 082	158 098 952
13	(315) Accessory electric equipment	89 056 805	577 228	1 085 112	-	15 174	82 564 095
14	(316) Misc. power plant equipment	10 626 594	411 684	90 554	-	4 327	11 011 991
15	Total steam production plant	797 894 707	9 400 226	15 094 599	-	(256)	792 200 144
16	NUCLEAR PRODUCTION PLANT						
17	(320) Land and land rights	314 337	-	-	-	-	314 337
18	(321) Structures and improvements	101 807 571	1 742 510	1 965 111	-	-	101 584 970
19	(322) Reactor plant equipment	129 741 965	4 301 176	6 112 707	-	-	127 930 434
20	(323) Turbogenerator units	53 269 638	283 277	1 076 775	-	-	52 476 140
21	(324) Accessory electric equipment	37 245 456	(153 551)	506 749	-	-	36 585 156
22	(325) Misc. power plant equipment	4 275 235	65 792	504 487	-	-	3 836 540
23	Total nuclear production plant	326 654 202	6 239 204	10 165 829	-	-	322 727 577
24	HYDRAULIC PRODUCTION PLANT						
25	(330) Land and land rights	1 401 442	-	-	-	-	1 401 442
26	(331) Structures and improvements	14 489 222	93 926	-	-	-	14 523 148
27	(332) Reservoirs, dams, and waterways	33 174 187	(464 058)	-	-	-	32 710 129
28	(333) Wtr. whls., turb., and generators	19 872 855	2 399 641	1 077 500	-	(1 000)	21 193 996
29	(334) Accessory electric equipment	7 045 783	677 023	(1)	-	-	7 722 807
30	(335) Misc. power plant equipment	2 205 672	290 540	1 945	-	-	2 494 267
31	(336) Roads, railroads, and bridges	1 017 397	(16 241)	-	-	-	1 001 096
32	Total hydraulic production plant	79 206 498	2 920 831	1 079 444	-	(1 000)	81 046 885

ELECTRIC PLANT IN SERVICE

(In addition to Account 101, Electric Plant in Service [Classified], this schedule includes Account 102, Electric Plant Purchased or Sold, Account 103, Experimental Electric Plant Unclassified and Account 106, Completed Construction Not Classified-Electric.)

1. Report below the original cost of electric plant in service according to prescribed accounts.
2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f). Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account 102, Electric Plant Purchased or Sold.

In showing the clearance of Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments, etc., and show in column (f) only the offset to the debits or credits distributed in column (f) to primary account classifications.

Annual report of PHILADELPHIA ELECTRIC COMPANY — Year ended December 31, 1976.

Attachment IR-ECC-2-261

Line No.	Account (a)	Balance beginning of year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance end of year (g)
1	1. INTANGIBLE PLANT	$	$	$	$	$	$
2	(301) Organization						
3	(302) Franchises and consents	162 934	-	-	-	-	162 934
4	(303) Miscellaneous intangible plant	-	-	-	-	-	-
5	Total intangible plant	162 934	-	-	-	-	162 934
6	2. PRODUCTION PLANT						
7	STEAM PRODUCTION PLANT						
8	(310) Land and land rights	7 850 321	(4 563)	-	-	(210 858)	7 634 900
9	(311) Structures and improvements	170 207 623	(1 683 419)	(71 520)	-	(2 124 175)	166 471 549
10	(312) Boiler plant equipment	385 269 617	65 838 176	160 765	-	(329 570)	450 717 458
11	(313) Eng'g. and eng. driven generators						
12	(314) Turbogenerator units	158 098 352	20 962 467	10 408	-	-	179 050 411
13	(315) Accessory electric equipment	82 676 504	11 155 440	879 501	-	-	92 952 443
14	(316) Misc. power plant equipment	11 011 991	142 313	2 532	-	-	11 151 722
15	Total steam production plant	815 114 408	96 410 414	981 685	-	(2 564 603)	907 978 533
16	NUCLEAR PRODUCTION PLANT						
17	(320) Land and land rights	314 337	-	-	-	-	314 337
18	(321) Structures and improvements	101 584 970	(4 565 848)	-	-	-	97 019 122
19	(322) Reactor plant equipment	127 930 434	(1 773 115)	-	-	-	126 157 319
20	(323) Turbogenerator units	52 476 140	5 043 966	-	-	-	57 520 106
21	(324) Accessory electric equipment	36 585 156	(449 259)	4 690	-	-	36 131 207
22	(325) Misc. power plant equipment	3 896 540	6 204 522	-	-	-	10 041 062
23	Total nuclear production plant	322 727 577	4 460 266	4 690	-	-	327 183 153
24	HYDRAULIC PRODUCTION PLANT						
25	(330) Land and land rights	1 401 442	-	-	-	-	1 401 442
26	(331) Structures and improvements	14 523 148	1 723	-	-	-	14 524 871
27	(332) Reservoirs, dams, and waterways	32 710 129	30	-	-	-	32 710 159
28	(333) Wtr. whls., turb., and generators	21 193 996	333	-	-	-	21 194 329
29	(334) Accessory electric equipment	7 722 807	4 090	-	-	-	7 726 897
30	(335) Misc. power plant equipment	2 494 267	(2 405)	-	-	-	2 491 862
31	(336) Roads, railroads, and bridges	1 001 096	2	-	-	-	1 001 098
32	Total hydraulic production plant	81 046 885	3 773	-	-	-	81 050 658

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ELECTRIC PLANT IN SERVICE

(In addition to Account 101, Electric Plant in Service [Classified], this schedule includes Account 102, Electric Plant Purchased or Sold, Account 103, Experimental Electric Plant Unclassified and Account 106, Completed Construction Not Classified-Electric.)

1. Report below the original cost of electric plant in service according to prescribed accounts.
2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f). Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account 102, Electric Plant Purchased or Sold.

In showing the clearance of Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments, etc., and show in column (f) only the offset to the debits or credits distributed in column (f) to primary account classifications.

Line No.	Account (a)	Balance beginning of year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance end of year (g)
1	1. INTANGIBLE PLANT	$	$	$	$	$	$
2	(301) Organization						
3	(302) Franchises and consents	162 934	-	-	-	-	162 934
4	(303) Miscellaneous intangible plant	-	-	-	-	-	-
5	Total intangible plant	162 934	-	-	-	-	162 934
6	2. PRODUCTION PLANT						
7	STEAM PRODUCTION PLANT						
8	(310) Land and land rights	7 634 900	13 560	-	-	-	7 648 460
9	(311) Structures and improvements	166 471 549	2 467 285	(12 452)	-	(2 745)	168 948 541
10	(312) Boiler plant equipment	426 104 400	1 429 382	76 912	-	-	427 456 870
11	(313) Eng's. and eng. driven generators	-	-	-	-	-	-
12	(314) Turbogenerator units	179 050 411	84 428	33 591	-	-	179 101 248
13	(315) Accessory electric equipment	92 830 835	396 752	38 412	-	-	93 189 175
14	(316) Misc. power plant equipment	11 151 772	289 412	15 954	-	(2 256)	11 422 974
15	Total steam production plant	883 243 867	4 680 819	152 417	-	(5 001)	887 767 268
16	NUCLEAR PRODUCTION PLANT						
17	(320) Land and land rights	314 337	23 196	-	-	-	337 533
18	(321) Structures and improvements	97 019 122	110 720 148	-	-	-	207 739 270
19	(322) Reactor plant equipment	126 157 319	144 568 852	-	-	-	270 726 171
20	(323) Turbogenerator units	57 520 106	70 549 724	-	-	-	128 069 830
21	(324) Accessory electric equipment	36 131 207	50 567 813	-	-	-	86 699 020
22	(325) Misc. power plant equipment	10 041 062	11 819 940	-	-	-	21 861 002
23	Total nuclear production plant	327 183 153	388 249 673	-	-	-	715 432 826
24	HYDRAULIC PRODUCTION PLANT						
25	(330) Land and land rights	1 401 442	-	-	-	-	1 401 442
26	(331) Structures and improvements	14 524 871	(298 022)	33 238	-	2 745	14 196 356
27	(332) Reservoirs, dams, and waterways	32 710 159	1 568 513	-	-	-	34 278 672
28	(333) Wtr. whls., turb., and generators	21 194 329	607 273	-	-	-	21 801 602
29	(334) Accessory electric equipment	7 726 897	(670 506)	-	-	-	7 056 391
30	(335) Misc. power plant equipment	2 491 862	(686 952)	(1 005)	-	-	1 805 915
31	(336) Roads, railroads, and bridges	1 001 098	(3 422)	-	-	-	997 676
32	Total hydraulic production plant	81 050 658	516 884	32 233	-	2 745	81 538 054

ELECTRIC PLANT IN SERVICE

(In addition to Account 101, Electric Plant in Service [Classified], this schedule includes Account 102, Electric Plant Purchased or Sold, Account 103, Experimental Electric Plant Unclassified and Account 106, Completed Construction Not Classified-Electric.)

1. Report below the original cost of electric plant in service according to prescribed accounts.
2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f). Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account 102, Electric Plant Purchased or Sold. In showing the clearance of Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments, etc., and show in column (f) only the offset to the debits or credits distributed in column (f) to primary account classifications.

Line No.	Account (a)	Balance beginning of year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance end of year (g)
1	1. INTANGIBLE PLANT	$	$	$	$	$	$
2	(301) Organization	-					
3	(302) Franchises and consents	162 934	-	-	-	-	162 934
4	(303) Miscellaneous intangible plant	-	-	-	-	-	-
5	Total intangible plant	162 934	-	-	-	-	162 934
6	2. PRODUCTION PLANT						
7	STEAM PRODUCTION PLANT						
8	(310) Land and land rights	7 648 460	406	-	-	403	7 649 269
9	(311) Structures and improvements	168 948 541	32 710	34 036	-	32 947	168 980 162
10	(312) Boiler plant equipment	427 456 870	3 065 788	6 155 009	-	(204 674)	424 162 975
11	(313) Eng's. and eng. driven generators	-	-	-	-	-	-
12	(314) Turbogenerator units	179 101 248	833 143	90 030	-	157 160	180 001 521
13	(315) Accessory electric equipment	93 189 175	365 384	1 155 268	-	16 519	92 415 810
14	(316) Misc. power plant equipment	11 422 974	173 025	2 379	-	14 164	11 607 784
15	Total steam production plant	887 767 268	4 470 456	7 436 722	-	16 519	884 817 521
16	NUCLEAR PRODUCTION PLANT						
17	(320) Land and land rights	337 533	-	-	-	-	337 533
18	(321) Structures and improvements	207 739 270	6 556 003	-	-	-	214 295 273
19	(322) Reactor plant equipment	270 726 171	9 595 331	-	-	-	280 321 502
20	(323) Turbogenerator units	128 069 830	2 240 282	-	-	-	130 310 112
21	(324) Accessory electric equipment	86 699 020	2 806 500	22 923	-	-	89 482 597
22	(325) Misc. power plant equipment	21 861 002	702 778	-	-	-	22 563 780
23	Total nuclear production plant	715 432 826	21 900 894	22 923	-	-	737 310 797
24	HYDRAULIC PRODUCTION PLANT						
25	(330) Land and land rights	1 401 442	-	-	-	-	1 401 442
26	(331) Structures and improvements	14 196 956	76 869	-	-	(2 745)	14 270 480
27	(332) Reservoirs, dams, and waterways	34 278 672	-	-	-	-	34 278 672
28	(333) Wtr. whls., turb., and generators	21 801 602	-	-	-	-	21 801 602
29	(334) Accessory electric equipment	7 056 391	(969)	-	-	-	7 055 422
30	(335) Misc. power plant equipment	1 805 915	-	-	-	2 745	1 808 660
31	(336) Roads, railroads, and bridges	997 676	-	-	-	-	997 676
32	Total hydraulic production plant	81 538 054	75 900	-	-	-	81 613 954

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ELECTRIC PLANT IN SERVICE

(In addition to Account 101, Electric Plant in Service [Classified], this schedule includes Account 102, Electric Plant Purchased or Sold, Account 103, Experimental Electric Plant Unclassified and Account 106, Completed Construction Not Classified-Electric.)

1. Report below the original cost of electric plant in service according to prescribed accounts.
2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f). Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account 102, Electric Plant Purchased or Sold.

In showing the clearance of Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments, etc., and show in column (f) only the offset to the debits or credits distributed in column (f) to primary account classifications.

Line No.	Account (a)	Balance beginning of year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance end of year (g)
1	1. INTANGIBLE PLANT	$	$	$	$	$	$
2	(301) Organization	-	-	-	-	-	-
3	(302) Franchises and consents	162 934	-	-	-	-	162 934
4	(303) Miscellaneous intangible plant	-	-	-	-	-	-
5	Total intangible plant	162 934	-	-	-	-	162 934
6	2. PRODUCTION PLANT						
7	STEAM PRODUCTION PLANT						
8	(310) Land and land rights	7 649 269	(1 722)	39	-	(23 496)	7 624 012
9	(311) Structures and improvements	168 980 162	2 091 258	(1 524)	-	(6 107)	171 006 837
10	(312) Boiler plant equipment	424 162 975	31 060 158	2 962 922	-	(38 028)	452 222 183
11	(313) Eng's. and eng. driven generators	-	-	-	-	-	-
12	(314) Turbogenerator units	180 001 521	4 225 521	1 454 918	-	-	182 772 124
13	(315) Accessory electric equipment	92 415 810	5 219 355	(6 906)	-	69 759	97 705 824
14	(316) Misc. power plant equipment	11 607 784	336 141	18 032	-	-	11 925 893
15	Total steam production plant	884 817 521	42 870 711	4 427 481	-	(3 878)	923 256 873
16	NUCLEAR PRODUCTION PLANT						
17	(320) Land and land rights	397 533	-	-	-	-	397 533
18	(321) Structures and improvements	214 295 273	8 088 196	514	-	-	222 382 955
19	(322) Reactor plant equipment	280 921 502	3 699 340	-	-	-	284 020 842
20	(323) Turbogenerator units	130 910 112	7 515 017	1 286 000	-	-	136 539 129
21	(324) Accessory electric equipment	89 482 597	4 208 986	-	-	-	93 691 583
22	(325) Misc. power plant equipment	22 569 780	1 322 218	-	-	-	23 885 998
23	Total nuclear production plant	737 910 797	24 833 757	1 286 514	-	-	760 858 040
24	HYDRAULIC PRODUCTION PLANT						
25	(330) Land and land rights	1 401 442	-	-	-	-	1 401 442
26	(331) Structures and improvements	14 270 480	16 942	-	-	-	14 287 422
27	(332) Reservoirs, dams, and waterways	34 278 672	-	-	-	-	34 278 672
28	(333) Wtr. whls., turb., and generators	21 801 602	170 419	9 050	-	-	21 962 971
29	(334) Accessory electric equipment	7 055 422	313 779	125 967	-	-	7 243 234
30	(335) Misc. power plant equipment	1 808 660	127	-	-	-	1 808 787
31	(336) Roads, railroads, and bridges	997 676	-	-	-	-	997 676
32	Total hydraulic production plant	81 613 954	501 267	135 017	-	-	81 980 204

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ELECTRIC PLANT IN SERVICE

(In addition to Account 101, Electric Plant in Service [Classified], this schedule includes Account 102, Electric Plant Purchased or Sold, Account 103, Experimental Electric Plant Unclassified and Account 106, Completed Construction Not Classified-Electric.)

1. Report below the original cost of electric plant in service according to prescribed accounts.
2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.
3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such amounts.
4. Reclassifications or transfers within utility plant accounts should be shown in column (f). Include also in column (f) the additions or reductions of primary account classifications arising from distribution of amounts initially recorded in Account 102, Electric Plant Purchased or Sold.

In showing the clearance of Account 102, include in column (e) the amounts with respect to accumulated provision for depreciation, acquisition adjustments, etc., and show in column (f) only the offset to the debits or credits distributed in column (f) to primary account classifications.

Line No.	Account (a)	Balance beginning of year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance end of year (g)
1	1. INTANGIBLE PLANT	$	$	$	$	$	$
2	(301) Organization	-	-	-	-	-	-
3	(302) Franchises and consents	162 934	-	-	-	-	162 934
4	(303) Miscellaneous intangible plant	-	-	-	-	-	-
5	Total intangible plant	162 934	-	-	-	-	162 934
6	2. PRODUCTION PLANT						
7	STEAM PRODUCTION PLANT						
8	(310) Land and land rights	7 624 012	174 211	-	-	-	7 798 223
9	(311) Structures and improvements	171 006 837	1 737 794	8 165 585	-	-	164 579 046
10	(312) Boiler plant equipment	452 222 183	1 992 502	13 085 015	-	-	441 129 670
11	(313) Eng'g. and eng. driven generators	-	-	-	-	-	-
12	(314) Turbogenerator units	182 772 124	(555 915)	7 824 470	-	-	174 391 739
13	(315) Accessory electric equipment	97 705 824	96 069	4 051 900	-	1 734	93 751 727
14	(316) Misc. power plant equipment	11 925 893	10 557	347 141	-	-	11 589 309
15	Total steam production plant	923 256 873	3 455 218	33 474 111	-	1 734	893 239 714
16	NUCLEAR PRODUCTION PLANT						
17	(320) Land and land rights	337 533	-	-	-	(26 423)	311 110
18	(321) Structures and improvements	222 382 955	2 036 086	40 911	-	-	224 378 130
19	(322) Reactor plant equipment	284 020 842	25 666 339	814 376	-	-	308 872 805
20	(323) Turbogenerator units	136 539 129	(1 853 496)	121 525	-	-	134 564 108
21	(324) Accessory electric equipment	93 691 583	2 946 002	49 503	-	-	96 588 082
22	(325) Misc. power plant equipment	23 885 998	3 356 894	28 916	-	-	27 213 976
23	Total nuclear production plant	760 858 040	32 151 825	1 055 231	-	(26 423)	791 928 211
24	HYDRAULIC PRODUCTION PLANT						
25	(330) Land and land rights	1 401 442	19 380	-	-	-	1 420 822
26	(331) Structures and improvements	14 287 422	558	-	-	-	14 287 980
27	(332) Reservoirs, dams, and waterways	34 278 672	-	-	-	-	34 278 672
28	(333) Wtr. whls., turb., and generators	21 962 971	125	-	-	-	21 963 096
29	(334) Accessory electric equipment	7 243 234	-	-	-	-	7 243 234
30	(335) Misc. power plant equipment	1 808 787	882	-	-	-	1 809 669
31	(336) Roads, railroads, and bridges	997 676	-	-	-	-	997 676
32	Total hydraulic production plant	81 980 204	20 945	-	-	-	82 001 149

R-6 E E - 2-2(b) 91 L3

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year of Report
PHILADELPHIA ELECTRIC COMPANY	(1) ☒ An Original (2) ☐ A Resubmission		Dec. 31, 19 81

ELECTRIC PLANT IN SERVICE (Accounts 101, 102, 103, and 106)

1. Report below the original cost of electric plant in service according to the prescribed accounts.
2. In addition to Account 101, *Electric Plant in Service (Classified)*, this page and the next include Account 102, *Electric Plant Purchased or Sold;* Account 103, *Experimental Electric Plant Unclassified;* and Account 106, *Completed Construction Not Classified—Electric.*
3. Include in column (c) or (d), as appropriate, corrections of additions and retirements for the current or preceding year.
4. Enclose in parentheses credit adjustments of plant accounts to indicate the negative effect of such amounts.
5. Classify Account 106 according to prescribed accounts, on an estimated basis if necessary, and include the entries in column (c). Also to be included in column (c) are entries for reversals of tentative distributions of prior year reported in column (b). Likewise, if the respondent has a significant amount of plant retirements which have not been classified to primary accounts at

(Continued on page 204)

Line No.	Account (a)	Balance at Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance at End of Year (g)
1	1. INTANGIBLE PLANT						
2	(301) Organization	-	-	-	-	-	-
3	(302) Franchises and Consents	162,934	-	-	-	-	162,934
4	(303) Miscellaneous Intangible Plant	-	-	-	-	-	-
5	TOTAL Intangible Plant *(Enter Total of lines 2, 3, and 4)*	162,934	-	-	-	-	162,934
6	2. PRODUCTION PLANT						
7	A. Steam Production Plant						
8	(310) Land and Land Rights	7,798,223	249	-	-	-	7,798,472
9	(311) Structures and Improvements	164,579,046	2,418,831	3,777,906	-	159	163,220,130
10	(312) Boiler Plant Equipment	441,129,670	5,488,132	10,594,863	-	(159)	436,022,780
11	(313) Engines and Engine Driven Generators	-	-	-	-	-	-
12	(314) Turbogenerator Units	176,391,739	1,610,262	4,272,401	-	-	171,729,600
13	(315) Accessory Electric Equipment	93,751,727	803,971	623,306	-	3,426	93,935,818
14	(316) Misc. Power Plant Equipment	11,589,309	394,877	364,059	-	-	11,620,127
15	TOTAL Steam Production Plant *(Enter Total of lines 8 thru 14)*	893,239,714	10,716,322	19,632,535	-	3,426	884,326,927
16	B. Nuclear Production Plant						
17	(320) Land and Land Rights	311,110	(3,097)	-	-	1,009	309,022
18	(321) Structures and Improvements	225,378,130	51,613,826	-	-	(3,781,762)	272,210,194
19	(322) Reactor Plant Equipment	308,872,805	218,509,271	736,599	-	3,781,762	530,427,239
20	(323) Turbogenerator Units	134,564,108	57,981,675	99,990	-	-	192,445,793
21	(324) Accessory Electric Equipment	96,588,082	57,647,113	-	-	-	154,235,195
22	(325) Misc. Power Plant Equipment	27,213,976	6,863,036	17,505	-	-	34,059,507
23	TOTAL Nuclear Production Plant *(Enter Total of lines 17 thru 22)*	791,928,211	392,611,824	854,094	-	1,009	1,183,686,950
24	C. Hydraulic Production Plant						
25	(330) Land and Land Rights	1,420,822	-	-	-	-	1,420,822
26	(331) Structures and Improvements	14,287,980	70,211	522	-	-	14,357,669
27	(332) Reservoirs, Dams, and Waterways	34,278,672	13,272	-	-	-	34,291,944
28	(333) Water Wheels, Turbines, and Generators	21,963,096	-	71,756	-	-	21,891,340
29	(334) Accessory Electric Equipment	7,243,234	104,160	16,340	-	-	7,331,054
30	(335) Misc. Power Plant Equipment	1,809,669	3,658	-	-	-	1,813,327
31	(336) Roads, Railroads, and Bridges	997,676	-	-	-	-	997,676
32	TOTAL Hydraulic Production Plant *(Enter Total of lines 25 thru 31)*	82,001,149	191,301	88,618	-	-	82,103,832

FERC FORM NO. 1 (REVISED 12-81) Page 202

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year of Report
PHILADELPHIA ELECTRIC COMPANY	(1) ☐ An Original (2) ☐ A Resubmission		Dec. 31, 19 82

ELECTRIC PLANT IN SERVICE (Accounts 101, 102, 103, and 106)

1. Report below the original cost of electric plant in service according to the prescribed accounts.
2. In addition to Account 101, *Electric Plant in Service (Classified)*, this page and the next include Account 102, *Electric Plant Purchased or Sold*; Account 103, *Experimental Electric Plant Unclassified*; and Account 106, *Completed Construction Not Classified—Electric*.
3. Include in column (c) or (d), as appropriate, corrections of additions and retirements for the current or preceding year.
4. Enclose in parentheses credit adjustments of plant accounts to indicate the negative effect of such amounts.
5. Classify Account 106 according to prescribed accounts, on an estimated basis if necessary, and include the entries in column (c). Also to be included in column (c) are entries for reversals of tentative distributions of prior year reported in column (b). Likewise, if the respondent has a significant amount of plant retirements which have not been classified to primary accounts at

(Continued on page 204)

Line No.	Account (a)	Balance at Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance at End of Year (g)
1	1. INTANGIBLE PLANT						
2	(301) Organization	-	-	-	-	-	-
3	(302) Franchises and Consents	162,934	-	-	-	-	162,934
4	(303) Miscellaneous Intangible Plant	-	-	-	-	-	-
5	TOTAL Intangible Plant *(Enter Total of lines 2, 3, and 4)*	162,934	-	-	-	-	162,934
6	2. PRODUCTION PLANT						
7	A. Steam Production Plant						
8	(310) Land and Land Rights	7,798,472	-	-	-	(186,690)	7,611,782
9	(311) Structures and Improvements	163,220,130	66,302,759	(11,834,226)	-	(19,153,582)	222,209,033
10	(312) Boiler Plant Equipment	436,022,780	169,880,424	(19,235,742)	-	(19,573,097)	605,565,849
11	(313) Engines and Engine Driven Generators	-	-	-	-	-	-
12	(314) Turbogenerator Units	171,729,600	567,838	(9,055,955)	-	(9,065,350)	172,288,043
13	(315) Accessory Electric Equipment	93,935,818	27,817,404	(2,444,541)	-	(6,170,168)	118,027,595
14	(316) Misc. Power Plant Equipment	11,620,127	827,845	(524,856)	-	(1,222,707)	11,250,121
15	TOTAL Steam Production Plant *(Enter Total of lines 8 thru 14)*	884,326,927	265,401,270	(43,095,820)	-	(55,371,594)	1,137,452,423
16	B. Nuclear Production Plant						
17	(320) Land and Land Rights	309,022	17,031	-	-	-	326,053
18	(321) Structures and Improvements	272,210,194	5,109,446	-	-	-	277,319,640
19	(322) Reactor Plant Equipment	530,427,239	20,526,248	907,883	-	-	550,045,604
20	(323) Turbogenerator Units	192,445,793	5,810,411	96,089	-	-	198,160,115
21	(324) Accessory Electric Equipment	154,235,195	8,213,528	395	-	-	162,448,328
22	(325) Misc. Power Plant Equipment	34,059,507	3,028,047	5,422	-	-	37,082,132
23	TOTAL Nuclear Production Plant *(Enter Total of lines 17 thru 22)*	1,183,686,950	42,704,711	1,009,789	-	-	1,225,381,872
24	C. Hydraulic Production Plant						
25	(330) Land and Land Rights	1,420,822	-	-	-	-	1,420,822
26	(331) Structures and Improvements	14,357,669	173,797	1,925	-	-	14,529,541
27	(332) Reservoirs, Dams, and Waterways	34,291,944	-	-	-	-	34,291,944
28	(333) Water Wheels, Turbines, and Generators	21,891,340	-	-	-	-	21,891,340
29	(334) Accessory Electric Equipment	7,331,054	723,081	20,465	-	-	8,033,670
30	(335) Misc. Power Plant Equipment	1,813,327	856,008	-	-	-	2,669,335
31	(336) Roads, Railroads, and Bridges	997,676	-	-	-	-	997,676
32	TOTAL Hydraulic Production Plant *(Enter Total of lines 25 thru 31)*	82,103,832	1,752,886	22,390	-	-	83,834,328

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year of Report
PHILADELPHIA ELECTRIC COMPANY	(1) ☐ An Original (2) ☐ A Resubmission		Dec. 31, 19__83

ELECTRIC PLANT IN SERVICE (Accounts 101, 102, 103, and 106)

1. Report below the original cost of electric plant in service according to the prescribed accounts.
2. In addition to Account 101, *Electric Plant in Service (Classified)*, this page and the next include Account 102, *Electric Plant Purchased or Sold;* Account 103, *Experimental Electric Plant Unclassified;* and Account 106, *Completed Construction Not Classified—Electric.*
3. Include in column (c) or (d), as appropriate, corrections of additions and retirements for the current or preceding year.
4. Enclose in parentheses credit adjustments of plant accounts to indicate the negative effect of such amounts.
5. Classify Account 106 according to prescribed accounts, on an estimated basis if necessary, and include the entries in column (c). Also to be included in column (c) are entries for reversals of tentative distributions of prior year reported in column (b). Likewise, if the respondent has a significant amount of plant retirements which have not been classified to primary accounts at

(Continued on page 204)

Line No.	Account (a)	Balance at Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance at End of Year (g)
1	1. INTANGIBLE PLANT						
2	(301) Organization	--	--	--	--	--	--
3	(302) Franchises and Consents	162,934	--	--	--	--	162,934
4	(303) Miscellaneous Intangible Plant	--	--	--	--	--	--
5	TOTAL Intangible Plant *(Enter Total of lines 2, 3, and 4)*	162,934	--	--	--	--	162,934
6	2. PRODUCTION PLANT						
7	A. Steam Production Plant						
8	(310) Land and Land Rights	7,611,762	13,223	--	--	(27,298)	7,597,707
9	(311) Structures and Improvements	222,209,033	1,008,750	8,147	--	211,085	223,420,721
10	(312) Boiler Plant Equipment	605,565,849	(1,141,445)	1,159,995	--	(783,400)	602,481,009
11	(313) Engines and Engine Driven Generators	--	--	--	--	--	--
12	(314) Turbogenerator Units	172,288,043	2,338,989	169,114	--	190,338	174,668,256
13	(315) Accessory Electric Equipment	118,027,595	(1,820,419)	50,028	--	301,886	116,459,034
14	(316) Misc. Power Plant Equipment	11,750,121	266,198	(20,303)	--	15,690	12,052,312
15	TOTAL Steam Production Plant *(Enter Total of lines 8 thru 14)*	1,137,452,423	885,296	1,366,981	--	(91,699)	1,136,879,039
16	B. Nuclear Production Plant						
17	(320) Land and Land Rights	326,053	6,277	--	--	--	332,330
18	(321) Structures and Improvements	277,319,640	15,649,984	52,399	--	--	292,969,624
19	(322) Reactor Plant Equipment	550,045,604	24,041,759	1,808,586	--	--	574,034,964
20	(323) Turbogenerator Units	198,160,115	3,375,706	7,791	--	--	199,727,235
21	(324) Accessory Electric Equipment	162,448,328	8,835,812	203,193	--	--	171,276,349
22	(325) Misc. Power Plant Equipment	37,082,132	1,404,209	2,071,969	--	--	36,283,148
23	TOTAL Nuclear Production Plant *(Enter Total of lines 17 thru 22)*	1,225,381,872	53,313,747				1,276,623,650
24	C. Hydraulic Production Plant						
25	(330) Land and Land Rights	1,420,822	--	--	--	--	1,420,822
26	(331) Structures and Improvements	14,529,541	(55,842)	--	--	--	14,473,699
27	(332) Reservoirs, Dams, and Waterways	34,291,944	--	--	--	--	34,291,944
28	(333) Water Wheels, Turbines, and Generators	21,891,340	--	--	--	--	21,891,340
29	(334) Accessory Electric Equipment	9,033,670	(23,509)	--	--	--	9,010,161
30	(335) Misc. Power Plant Equipment	2,669,335	112,013	--	--	--	2,781,348
31	(336) Roads, Railroads, and Bridges	997,676	--	--	--	--	997,676
32	TOTAL Hydraulic Production Plant *(Enter Total of lines 25 thru 31)*	83,834,328	32,662	--	--	--	83,866,990

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FERC FORM NO. 1 (REVISED 12/81)

Name of Respondent	This Report Is: (1) [x] An Original (2) [ ] A Resubmission	Date of Report	Year of Report
Philadelphia Electric Company			December 31, 1984

ELECTRIC PLANT IN SERVICE (Accounts 101, 102, 103, and 106)

1. Report below the original cost of electric plant in service according to the prescribed accounts.
2. In addition to Account 101, Electric Plant in Service (Classified), this page and the next include Account 102, Electric Plant Purchased or Sold; Account 103, Experimental Electric Plant Unclassified; and Account 106, Completed Construction Not Classified - Electric.
3. Include in column (c) or (d), as appropriate, corrections of additions and retirements for the current or preceding year.
4. Enclose in parentheses credit adjustments of plant accounts to indicate the negative effect of such amounts.

(Continued on Page 204)

Line No.	Account (a)	Balance at Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance at End of Year (g)
1	1. INTANGIBLE PLANT						
2	(301) Organization	-	-	-	-	-	-
3	(302) Franchises and Consents	162,934	-	-	-	-	162,934
4	(303) Miscellaneous Intangible Plant	-	-	-	-	-	-
5	TOTAL Intangible Plant (Enter total of lines 2, 3, and 4)	162,934	-	-	-	-	162,934
6	2. PRODUCTION PLANT						
7	A. Steam Production Plant						
8	(310) Land and Land Rights	7,597,707	-	-	-	-	7,597,707
9	(311) Structures and Improvements	223,420,721	(2,493,477)	21,022	-	-	220,906,222
10	(312) Boiler Plant Equipment	602,481,009	(18,270,035)	748,662	-	-	583,462,312
11	(313) Engines and Engine Driven Generators	-	-	-	-	-	-
12	(314) Turbogenerator Units	174,668,256	6,594,112	1,502,348	-	-	179,760,020
13	(315) Accessory Electric Equipment	116,659,034	(8,209,652)	17,639	-	-	108,431,743
14	(316) Misc. Power Plant Equipment	12,052,312	921,077	69,156	-	-	12,904,143
15	TOTAL Steam Production Plant (Enter Total of Lines 8 thru 14)	1,136,879,039	(21,457,975)	2,358,827	-	(90)	1,113,062,147
16	B. Nuclear Production Plant						
17	(320) Land and Land Rights	332,330	24,322	-	-	-	356,652
18	(321) Structures and Improvements	292,969,624	8,716,588	-	-	-	301,686,212
19	(322) Reactor Plant Equipment	576,794,226	17,007,353	233,971	-	(20,040)	593,547,568
20	(323) Turbogenerator Units	199,727,235	10,312,356	8,927,760	-	-	201,111,831
21	(324) Accessory Electric Equipment	171,276,349	3,503,396	38,480	-	64,883	174,806,148
22	(325) Misc. Power Plant Equipment	42,134,992	722,709	(109,877)	-	(44,843)	42,922,735
23	TOTAL Nuclear Production Plant (Enter Total of lines 17 thru 22)	1,283,234,756	40,286,724	9,090,334	-	-	1,314,431,146
24	C. Hydraulic Production Plant						
25	(330) Land and Land Rights	1,420,822	-	-	-	-	1,420,822
26	(331) Structures and Improvements	14,473,699	7,949	(1,925)	-	-	14,483,573
27	(332) Reservoirs, Dams, and Waterways	34,291,944	-	-	-	-	34,291,944
28	(333) Water Wheels, Turbines, & Generators	21,891,340	79,333	-	-	-	21,970,673
29	(334) Accessory Electric Equipment	8,010,161	677,023	36,746	-	-	8,650,438
30	(335) Misc. Power Plant Equipment	2,781,348	(732,305)	1,925	-	-	2,047,118
31	(336) Roads, Railroads, and Bridges	997,676	-	-	-	-	997,676
32	TOTAL Hydraulic Production Plant (Enter Total of Lines 25 thru 31)	83,866,990	32,000	36,746	-	-	83,862,244