POWERPLANT PRODUCTIVITY IMPROVEMENT STUDY

Final Report
Project 2, Task 1

Historic Performance of Illinois Investor-Owned
Electrical-Generating Units

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I. EXECUTIVE SUMMARY

As noted in the April, 1978 DOE Interim Powerplant Productivity Report¹, "lost productivity is a not so obvious tax paid by all consumers." In this task the historical performance of powerplants in Illinois was examined and the opportunities for improved powerplant productivity in Illinois was determined. The four utilities considered were the major investor-owned electric generating utilities in Illinois, i.e., Central Illinois Light Co., (CILCO), Central Illinois Public Service (CIPS), Commonwealth Edison (CECO), and Illinois Power (IP).

The examination of the historical performance of electrical generating units in Illinois is a portion of the Illinois Powerplant Productivity Study jointly funded by the United States Department of Energy, the Illinois Commerce Commission, and the Illinois Institute for Environmental Quality. The Department of Energy's interest in powerplant productivity has focused on large nuclear and coal fired units and was motivated primarily by potential reductions in oil and gas consumption, savings to consumers, reduced capital requirements and reductions in reserve margins. The Illinois Commerce Commission and the Illinois Institute for Environmental

Quality have similar interests in this research study with an increased emphasis on the impact upon the ratepayer in Illinois. At all times, costs of increased powerplant productivity in Illinois must be balanced against the benefits accrued to the ratepayer in Illinois.

The tasks of the Illinois Powerplant Productivity Study are:

- o Identification and documentation of current utility approaches to powerplant productivity in Illinois.
- o Application of the DOE developed methodology to identify productivity changes at Illinois Power Company Wood River Unit 5 and Commonwealth Edison Company Quad Cities Units 1 and 2. A total of eight improvement projects were analyzed for their effect on unit performance.
- o Estimation of costs and benefits to the utility of the eight productivity improvement projects.
- o Comparison of current utility approaches to improvement of productivity with the DOE developed methodology to determine strengths and weaknesses of each.
- o Historic performance of powerplants in Illinois.
- o Estimation of benefits to utilities and ratepayers in Illinois which would result from modest improvements in powerplant productivity in the state.

- o Analysis of current regulatory incentives and disincentives to improved powerplant productivity in Illinois and development of candidate regulatory incentive policies for consideration by the Illinois Commerce Commission.

Objectives of this Task

The objectives of this task which analyzes the historical performance of electrical powerplants in Illinois are threefold: 1) Evaluate the strengths and weaknesses of the various powerplant performance indices presently used by the electrical industry and select a comparative index for this study; 2) Characterize the historical performance of both large and small electrical generating units in Illinois; and, 3) Determine the potential for improvements in productivity by examining the performance of Illinois units relative to that of national trends.

Methodology

The common electric utility powerplant performance indices are defined by the Equipment Availability Task Force of the Prime Movers Committee of the Edison Electric Institute (EEI). This group is comprised primarily of utility representatives and seeks to provide nationally accepted definitions for powerplant productivity indices. Nevertheless, many utilities have found it necessary to modify the EEI definitions for their own in-house use. In this study, both the

EEl definitions and the utility's version of the definitions were reviewed, with the equivalent availability being deemed the most suitable comparative index for the purposes of this study.

The most uniform data base for national powerplant productivity is that provided by the Edison Electric Institute. However, there remains a long lag time between the actual submission of the data by utilities and the publication of the information by the Edison Electric Institute. As a consequence, the Edison Electric Institute data available for this study extends only to the end of calendar year 1976. Although information for 1977 and 1978 has been submitted by the utilities to the Edison Electric Institute, there has been no comprehensive compilation of that data.

For electrical generating units in Illinois, the productivity using equivalent availability was compared to that of the historic performance of similar units throughout the nation. For the units 400 megawatts and larger the national data base included 40 nuclear units and 109 primarily coal fired units. For the primarily coal fired units in the range of 300 to 399 megawatts nameplate capacity, 126 units comprised the national data base, while for the primarily coal fired units in the range of 200 to 299 megawatts nameplate rating, 169 units were utilized in the national data base.

For the larger units, the performance of the Illinois units on a life year basis was compared to that of comparable national averages. For the smaller size units the productivity of these plants was compared to the ten year average as published by the Edison Electric

Institute. Only one of the smaller units sampled had data for less than ten years of operation. Because the optimization of productivity must be coupled with the economics of the productivity increases, a brief economic analysis of production costs by the four utilities was performed.

Key Findings and Conclusions

The major findings of this portion of the Illinois Powerplant Productivity Study are:

- o For the purposes of evaluating the historical performance of Illinois electricity generating units, the equivalent availability was judged to be the most appropriate measure.
- o In terms of powerplant productivity one Illinois investor-owned utility, Illinois Power, is among the best in the nation, and in terms of productivity from large coal units it ranks in the top five nationally. This illustrates that high powerplant performance is achievable in Illinois.
- o In general, the performance of coal-fired units of Central Illinois Public Service Company and Commonwealth Edison Company have been below national averages and some cases significantly below the national averages.

- o A review of the trends in powerplant production of all Illinois units reveals that Illinois units as a group have been generally below the national averages for the respective powerplant unit classes.
- o As noted in this and other studies, the productivity of the nuclear plants in Illinois has been below the national average for all comparable nuclear plants.
- o This analysis should be updated when national 1977 and 1978 Edison Electric Institute data becomes publicly available.

II. INTRODUCTION

Both the Illinois Commerce Commission and the Department of Energy have a keen interest in enhancing the productivity of electrical power generating units. The Illinois Commerce Commission, the public utility commission in Illinois, is responsible for keeping the electric rates as low as possible. Accordingly, the Commission is interested in increasing productivity of powerplants because it reduces the per unit cost of electricity as well as reducing the pressure to build additional capital intensive powerplants. The Department of Energy has been interested in the same subject on a national scale. It has sponsored research projects which evaluate methods to improve powerplant productivity and has funded studies which compare the historical performance of electrical generating units.^(1,2) The benefits of increased powerplant productivity include reductions in the usage of oil and gas, savings to the customers, reduced capital requirements and reductions in reserve margins.

The present Illinois Powerplant Productivity Study is divided into two major projects. The first project examines the specific details of powerplant productivity methodologies by applying known techniques to specific examples within Illinois. In this project the cost benefits of specific powerplant productivity measures are evaluated as well as the strengths and weaknesses of methodologies. The second project of this study appraises powerplant productivity in a more global sense by analyzing the historic performance of the powerplants in Illinois together with the potential benefits of increased productivity and the regulatory incentives and disincentives in Illinois for powerplant productivity.

This task of the study surveys the historic performance of powerplants in Illinois vis a vis that of the nation. The product of all electric utilities in the country is a kilowatt-hour of electricity, and each company in the midwest region, has the same range of options in the selection of fuels and design of powerplants. Accordingly, an assessment of boiler types and environmental considerations was not made. This task examines the record of Illinois investor-owned utilities in optimizing the production of a consumer good, namely the generation of a kilowatt-hour of electricity.

In the last several years the historic performance of powerplant productivity has become a subject, albeit somewhat controversial, of great interest. In 1974 and 1975 articles in the Bulletin of Atomic Scientists^(3, 4) and Science Magazine⁽⁵⁾ noted that productivity of nuclear powerplants, in general, was below expectations of the industry. Further, the Federal Energy Administration established a task force in 1974 to examine possible methods of improving electric powerplant performance.² As an outgrowth of the recommendations of the FEA Task Force, the FEA, Powerplant Division retained Trident, Mechanics Research Institute and Nuclear Services Corporation to perform detailed studies to identify methods to enhance electric powerplant productivity. Perhaps the most comprehensive study of the historical performance of both coal and nuclear powerplant productivity was performed by the Council on Economic Priorities in 1976.⁶ In this study, among other findings, it was noted that in terms of average capacity factor for nuclear powerplants, Commonwealth Edison of Chicago ranked 18th of the 23 nuclear electric utilities surveyed.

More important than the public attention accorded powerplant productivity, changes in regulatory climate and powerplant economics have promoted evaluation of electric utility powerplant productivity. The primary factor in the midwest has been the soaring capital costs for electrical generating units. In the 60's the cost to construct a powerplant was relatively low - in the range of \$80 to \$100 per kilowatt - whereas, today powerplant costs now exceed \$1300 per kilowatt for operation in 1982. It is this economic fact which has prompted an indepth examination of powerplant productivity and obtaining more kilowatt hours from existing plants rather than substituting new, more expensive units. Simply, the economic margin between upgrading the performance or modernizing an existing plant and replacement with a new facility has changed significantly.

III. SELECTION OF A PERFORMANCE INDEX

Presently the electric industry utilizes four common powerplant productivity indices: capacity factor, availability factor, equivalent availability and forced outage rate. The definitions for these measures have been set forth by the Equipment Availability Task Force of the Prime Movers Committee of the Edison Electric Institute (EEI) which is comprised primarily of member utility representatives. In addition, the Task Force tabulates these indices for powerplants throughout the nation, although there is a several year time lag between data submission and publication of summaries.

The information presented by the Edison Electric Institute Task Force is an analysis of raw data provided by the individual utilities. Therefore, the responsibility for the accuracy for the basic data lies with the utilities, while the responsibility for the accuracy of the calculations lies with the Equipment Availability Task Force.

Although most electric utilities in the United States submit raw data to the Edison Electric Institute Task Force in accordance with the definitions provided by the Task Force, many of these same utilities continue to tabulate and collate productivity information using "in-house" definitions which vary slightly from the EEI definitions. An example of the variance in definitions for the common indices among a utility (Commonwealth Edison), the EEI and the Nuclear Regulatory Commission (NRC) is presented in Appendix A. For the purposes of this study

EEI definitions were used because of the national scope of EEI and their applicability to both coal and nuclear units.

The four performance indices commonly utilized by the electric utility industry are capacity factor, availability factor, forced outage rate and equivalent availability. In the following paragraphs each index is analyzed considering the objectives of this study.

The capacity factor is the kilowatt hours of electricity generated during a given time period divided by maximum kilowatt hours of electricity capable of being generated during the same time period if the unit was operating at full power. This index does not consider the instances when a unit is available to operate but due to low overall system demand is not operating. The capacity factor is an accurate measure of the output of a unit if all agree upon the capacity of the unit. Unfortunately, there are at least six megawatt capacities which can be selected for use in the capacity factor calculation, namely, design net capacity, design gross capacity, nameplate capacity, maximum summer capacity, maximum winter capacity and maximum dependable capacity. One source of confusion in published capacity factors data is comparisons using different MW capacities.

It is recognized that because regulatory and design changes may have caused a reduction in capacity, the nameplate rating employed by FERC and EEI may not accurately represent the capacity of a generating unit. However, it is believed that these impacts should be reported in any assessment of the causes of poor productivity rather than current practices of obscuring these impacts by reporting capacity

factors using the derated capacity. When reporting capacity or equivalent availability the original capacity rating which was provided when justifying the capacity addition should be utilized. It is understandable that utilities and equipment suppliers may be concerned that such a practice may cast a shadow on their equipment. Nevertheless, it is believed that the proper capacity factor is that used when the capacity addition was justified before the appropriate regulatory body rather than the derated value.

The case of the Quad Cities nuclear station of Commonwealth Edison illustrates how the derated capacity of a power plant can change without significant engineering design changes or modifications to the power plant. According to the Nuclear Regulatory Commission Grey Book, the net design electrical capacity for the Quad Cities unit #1 has been 800 megawatts, 792 megawatts and 789 megawatts. For that same unit the maximum dependable capacity - which is the derated capacity and the index often preferred by utilities - has been identified in the same document as 800 megawatts, 225 megawatts and 769 megawatts. In 1975, the Grey Book reported annual capacity factors for Quad Cities unit #1 as 62.3% using the design megawatt capacity applicable at the time and 216.7% using the maximum dependable capacity applicable at that time. It is important to note that the maximum dependable capacity of the Quad Cities unit moved from 225 megawatts to 769 megawatts without any significant engineering change at that

power plant.* Throughout this period the nameplate rating remained at 810 MW.

The availability factor is an index which reflects the time the unit is available to generate electricity and does not necessarily reflect the plant's ability to generate electricity. Using this index can be misleading because plants operating for long periods of time at partial capacity will have high availability, while plants operating intermittently at full capacity and with total shutdowns for repair may generate the same number of KWH but have a low availability.

Forced outage rate is a measure which reflects the time associated with an occurrence of a component failure or other condition which requires the electrical generating unit to be removed from service immediately or up to and including the very next weekend. This index has a major impact on the requirements for spinning reserve and reserve margin but does not consider partial outages or outages of the unit which are planned. As a result, the forced outage rate while important is somewhat narrow in scope and by itself does not measure unit productivity.

*The capacity of the Quad Cities nuclear station is restricted depending upon legal interpretations of a Federal Court sanctioned agreement among the utility, the Attorney Generals of Illinois and Iowa, the Isaac Walton League and others. This agreement allowed for the use of Mississippi water for cooling until a spray canal system was constructed in 1975. Unfortunately, the spray canal system did not operate as planned and Mississippi River cooling water was still necessary to operate the plant at full capacity during certain weather conditions.

Although the above mentioned performance indices are useful in assessing the productivity of an electrical generating unit, one index, the equivalent availability was selected for this study. This measure was selected because it is most indicative of the overall performance and productivity. Concomitantly, in comparison to capacity factor it is relatively independent of legal and political influences. The equivalent availability is a productivity measure which not only reflects the time the unit is available but also it is adjusted for times when the unit is available at power levels less than maximum capacity. The equivalent availability is defined by the Edison Electric Institute as follows:

$$EA = \frac{AH - (EFOH + ESOH)}{PH} \times 100$$

where:

AH = hours during which unit is available

PH = hours in time period

EFOH = forced partial outages x $\frac{\text{size or reduction in MW}}{\text{max. dependable capacity in MW}}$
hours

ESOH = scheduled partial x $\frac{\text{size of reduction in MW}}{\text{max. dependable capacity in MW}}$
outage hours

IV. POWERPLANT PERFORMANCE DATA BASE

The data for this study was derived from several sources. For the large coal and nuclear units, 400 MW and larger, the data base was Edison Electric Institute data augmented by Nuclear Regulatory Commission data. Life-year performance calculations using this data set was performed by Oak Ridge National Laboratory in conjunction with other research efforts in behalf of the Department of Energy. The second data set for the large units was provided by the utilities utilizing the EEI data format. This information was used in verifying the accuracy of the EEI data. For electrical generating units below 400 MW, data compiled by the Equipment Availability Task Force of the Prime Movers Committee of the Edison Electric Institute was utilized. These data are contained in the publication entitled, "Report on Equipment Availability for the Ten Year Period, 1967 - 1976."

The EEI information was supplied by the utilities in accordance with EEI guidelines, and then collated by the Prime Movers Task Force of the Edison Electric Institute. In reviewing the quality of the EEI data, three difficulties with the data base have been identified. First, from time to time there appears to be some double counting of outages in the calculations of various performance measures. Another difficulty is the EEI data base excludes twin boiler and header type units - for example, Commonwealth Edison Joliet 7 and 8 and Powerton 5 and 6. The decision to exclude these units from the EEI data base was made by the Equipment Availability Task Force which consists of representatives of utilities throughout the country.

Including the twin boiler and header type units has merit. Recently it has been learned that the Equipment Availability Task Force is reconsidering their position. The third difficulty with the EEI data base is that initially some utilities did not assign a high priority to the submission of the data of the EEI task force. Therefore, the utility submissions to EEI contain typographical errors and other types of input errors which may or may not have been corrected.

In order to obtain the best data set possible for Illinois, the Illinois utilities were appraised of the condition of the EEI data set and asked to provide a corrected version of the EEI data. The EEI data as received by the Federal Energy Administration (one of the predecessors of the Department of Energy) is attached in Appendix B, while the corrected versions of the EEI data are provided in appendices C, D, and E. It appears that the errors in the EEI data are random and have a tendency to cancel themselves in the national data set. Variations in data for Illinois units are noted.

The data used for the analysis of the units 400 MW and larger was purchased by the Federal Energy Administration in 1977 from the Edison Electric Institute. This data is a subset of all of the Edison Electric Institute data and represents data from 109 coal fired units larger than 400 MW and 40 nuclear units larger than 400 MW. A detailed presentation of these data is provided in the document entitled "Interim Report on the Performance of 400 Megawatt and Larger Nuclear and Coal Fired Generating Units" which has been cited. The data base comprises information from all EEI member units with exception of the units of Pennsylvania Electric Company, Illinois

Power and Tampa Electric Company. These three utilities did not want their data released to the Federal Government at that time.

The Edison Electric Institute data in Appendix B for the two CILCO units has been observed to be erroneous. It appears that the Edison Electric Institute mixed data from Edwards 2 and 3 units, thereby limiting the value of the EEI data for these units. Therefore, for the purposes of this study, the data used for the Edwards 3 unit is that data supplied by the utility. The Edwards 2 unit is below 200 MW in capacity, and not included in this study.

For the purpose of this analysis, the equivalent availability was selected as the reference index as discussed in the previous section. In the case of Central Illinois Light Company, the utility does not tabulate forced partial outage hours (FPOH) or scheduled partial outage hours (SPOH). Thus, for this utility the equivalent availability and availability factors are reported to be identical. To allow the Edwards 3 units to be included in this study, it was noted that for 300 to 399 MW units in Illinois the ratio between equivalent availability and availability factor is .91. Accordingly, the equivalent availability cited for Edwards 3 unit is 91% of the availability factor provided by the utility in Appendix E.

This study of historical performance is limited to the time period ending December 31, 1976, because national data beyond this date is not available. The utilities do compile data almost daily; however, this information has not been collated and analyzed by EEI.

V. ANALYSIS OF THE HISTORICAL PERFORMANCE
OF UNITS IN ILLINOIS

The analysis of the historical performance of electrical generating units in Illinois is divided into two categories. The first pertains to coal and nuclear units with a nameplate capacity of 400 megawatts or larger, while the second category is smaller primarily coal units with capacities of 300 to 399 megawatts and 200 to 299 megawatts.

The study of the larger units is in keeping with the interest of the Department of Energy to study the performance of large base load units in the United States. On the other hand, because the Illinois Commerce Commission regulates both small and large investor owned electric utilities in Illinois, it is useful that this study also examine the performance of units which may be base load units for the smaller utilities but load following units for the larger utilities.

Units 400 Megawatts and Larger

The method of analysis for the large units parallels that used by the Department of Energy and the Oak Ridge National Laboratory, rather than that provided in the EEI document entitled, "Report on Equipment Availability for the Ten Year Period 1967 - 1976". The former method analyzes the performance of units based upon the number of complete life years in operation. The average pro-

ductivity for the specified number of life years is then compared to the performance of all plants throughout the nation with available data for the identical number of life years. In contrast, the EEI data base compiled a ten year average using plants which have operated for ten years as well as those units with less than ten years of operation. Owing to more stringent environmental standards and other factors, the productivity of a given category of power plants has generally illustrated a slightly downward trend which tends to favor older units. The life-year method recognizes that electrical generating units both are influenced by changing environmental constraints and exhibit a maturation curve, thus making this method more representative of actual conditions.

The performance of coal fired units 400 megawatts and larger in Illinois is illustrated in Table 1. This table examines the large coal fired units on the basis of life years and provides information for the unit using both the EEI data base and the utility data. The productivity measure selected for the analysis was the equivalent availability.

The following example illustrates the methodology used for Table 1. Commonwealth Edison's, Kincaid #1 has operated for nine complete calendar years ending December 31, 1976 with an average yearly equivalent availability of 45.4 according to the Edison Electric Institute data base. It is worthy to note that the plant became commercially operable on March 8, 1967 but using this methodology, the first ten months of operation were not included in the average equivalent availability. The average equivalent avail-

TABLE I.
PERFORMANCE OF ILLINOIS COAL-FIRED UNITS 400 MW AND LARGER

Utility	Unit	MW Capacity (nameplate)	Number of Life Years in Operation to 12/31/1976	Average Unit Equivalent Availability for specified life- years (EEI data)	Average Unit Equivalent Availability for specified life- years (Utility data)	National Average Equivalent Availability for specified life- years (EEI data)	Equivalent Availability Calendar 1977 (Utility data)
Com. Edison	Kincaid I	580	9	45.4	45.5	72.8	52.7
Com. Edison	Kincaid II	580	8	54.6	56.8	71.6	53.0
Com. Edison	Will Cty. IV	535	10	68.0	68.1	80.3	57.6
Cent. Ill. P.S.	Coffeen II	567	4	69.0	69.0	70.4	NA
Ill. Power	Baldwin I	623	6	75.5	75.5	70.0	65.8
Ill. Power	Baldwin II	634	3	80.9	81.0	68.7	75.0
Ill. Power	Baldwin III	634	1	75.2	75.2	69.3	80.1

ability of 45.4 as compiled by the utility is practically identical to that reported by Edison Electric Institute. Using the EEI data base, the average equivalent availability of all coal-fired plants throughout the nation 400 megawatts and larger with nine life-years of operation was tabulated and entered in column 7. In this case the national average equivalent availability was 72.8.

The data in Table 1 illustrates that the three Commonwealth Edison units for which EEI data was available operated with an average equivalent availability significantly below that of the national average for comparable plants. The Central Illinois Public Service unit, Coffeen #2, operated just slightly below the national average while the three units of Illinois Power operated with an equivalent availability considerably higher than that of the national averages.

Using the methodology described in the Department of Energy Interim Report for coal-fired units above 400 MW, the three Baldwin units of IP have an average equivalent availability through December 31, 1975 of 78.3. If IP had allowed the use of its data by DOE, then IP would have been ranked in the top five in the nation by the DOE study.¹

The best data available from the Edison Electric Institute is for powerplant operations ending December 31, 1976. 1977 and 1978 data is not available from the EEI at this time. However, for informational purposes, 1977 utility supplied data is provided in the last column of Table 1. When 1977 and 1978 EEI data becomes available an update of the analysis would be appropriate. At this time, the 1977 coal data does not indicate significant deviations from the trends established in the preceding years.

Table 2 illustrates the performance of Illinois nuclear units 400 megawatts and larger. This table excludes Dresden #1 because it has a nameplate rating of 200 megawatts. For the Dresden #3 nuclear unit, the number of life years of operation varies when the Nuclear Regulatory Commission data and utility data is compared. It is suspected that this is due to the nature of the turn key plant construction contract whereby the plant was operational even though the utility had not accepted the plant from the vendor, General Electric. Irrespective of whether the BEI data or the utility data is utilized, for the time period examined the six nuclear plants in Illinois have exhibited a performance generally below that of the national averages and in some cases significantly below the national averages.

Due to long refueling outages and shutdowns due to major equipment problems, individual nuclear units can have dramatic year to year perturbations in productivity. The 1977 productivity data for the nuclear units, in general, illustrated an improvement in performance. When 1977 and 1978 BEI national data becomes available, the units will then be re-evaluated.

Units With Capacity Between 200 and 399 Megawatts

Units within the range of 200 to 399 megawatts are often used as base load units for the smaller utilities within Illinois. Thus, from the perspective of the Illinois Commerce Commission it is useful to examine the performance of these units. Moreover, since the equivalent availability accounts for the time when a unit is available

TABLE II.

PERFORMANCE OF ILLINOIS NUCLEAR UNITS 400 MW AND LARGER

Utility	Unit	MW Capacity (nameplate)	Number of Life Years in Operation to 12/31/1976	Average Unit Equivalent Availability for specified life- years (EEI data)	Average Unit Equivalent Availability for specified life- years (Utility data)	National Average Equivalent Availability for specified life- years (EEI data)	Equivalent Availability Calendar 1977 (Utility data)
Com. Edison	Dresden II	810	3	55.8	59.6	64.5	54.4
Com. Edison	Dresden III	810	4 or 3*	60.5	51.6	65.5 (4) 64.9 (3)	79.3
Com. Edison/ Iowa Illinois	Quad Cities I	810	3	60.4	60.4	64.9	66.8
Com. Edison/ Iowa Illinois	Quad Cities II	810	3	56.0	62.4	64.9	72.3
Com. Edison	Zion I	1085	3	59.3	59.0	64.9	60.5
Com. Edison	Zion II	1085	2	64.2	64.7	65.7	71.5

* According to the NRC the date of commercial operation for Dresden III is November 16, 1971, whereas the utility cites December 31, 1973 as the date of commercial operation. It is suspected that this variance is due to the nature of the turn-key contract between the supplier GE and the utility.

to generate electricity but not operating, the performance of those units which are load following can also be included.

Figure 1 compares the equivalent availability of Illinois power plants in the capacity range of 300 to 399 megawatts with that of the EEI ten year average for comparable units. In this data set only the CILCO Edwards 3 unit has operational data for less than ten years. In Illinois there are nine electrical generating units in the 300 to 399 megawatt coal fired category. Of the nine units in this category, three have operated with an equivalent availability in excess of the EEI ten year average of comparable units in the United States.

Figure 2 compares the equivalent availability of coal fired power plants of capacity of 200 to 299 megawatts in Illinois to that of the EEI ten year average for the same category. Of the five units in this category, two operate with an equivalent availability above the national average for this class of units as published by the Edison Electric Institute.

Historical Trends in Illinois

Figures 3 and 4 examine the equivalent availability of Illinois coal fired units 400 megawatts and larger and Illinois nuclear units 400 megawatts and larger, respectively, for the period 1970 through 1976. As a reference, the national EEI average for coal fired units 400 megawatts and above for the years 1970 through 1976 for coal fired and nuclear units is also provided.

Figure 2

Comparison of Equivalent Availability between EEI 10 year average and generating units in Illinois. Data based on 200 to 299 MW coal-fired units for a ten year period (1967-1976.)

Figure 4

Equivalent Availability of Illinois nuclear units and the national (EEI) average for nuclear units for the years 1973 through 1976.

VI. BIBLIOGRAPHY

1. Interim Report on the Performance of 400 Megawatt and Larger Nuclear and Coal-Fired Generating Units. U.S. Department of Energy, Economic Regulatory Administration, Division of Power Supply and Reliability, April 1978.
2. A report on Improving the Productivity of Electric Powerplants, FEA-26-G, March 1975.
3. David D. Comey, "Will Idle Capacity Kill Nuclear Power?", Bulletin of the Atomic Scientists, (November 1974).
4. Deborah Shapley, "Nuclear Power Economics: Report Heats up Debate," Science, (December 19, 1976) p. 1259.
5. Peter Margen and Sören Lindhe, "The Capacity of Nuclear Power Plants", Bulletin of the Atomic Scientists, (October 1975), pp. 38-40.
6. Power Plant Performance: Nuclear and Coal Capacity Factors and Economics. Charles Komanoff. Council on Economic Priorities. New York, N.Y. November 1976.
7. Report on a Comprehensive Study of the Management Efficiency of Central Illinois Public Service Company by Ernst and Ernst, December 1976, available at the Illinois Commerce Commission.

VII. APPENDICES

Appendix - A

Comparison of Reporting Methods
Required by the Nuclear Regulatory Commission,
Edison Electric Institute and
Commonwealth Edison

COMPARISON OF REPORTING METHODS REQUIRED BY NUCLEAR REGULATORY COMMISSION,
EDISON ELECTRIC INSTITUTE AND INTERNAL COMPANY REPORTS

<u>Term</u>	<u>Nuclear Regulatory Commission</u>	<u>Edison Electric Institute</u>	<u>Commonwealth Edison Internal Company Reporting*</u>
Boiler Availability Factor		% of time in a given period that boiler was or could have been used for generation	% of time in a given period that boiler was or could have been used for generation. Out- ages that relate to design changes on boiler auxiliaries are not included in boiler unavailable time. Precipi- tator and scrubber installa- tions and repairs are included in boiler unavailability.
Reactor Availability Factor	% of time in a given period that reactor was critical.	% of time in a given period that reactor was or could have been used for generation.	
Turbine Availability Factor		% of time in a given period that turbine was or could have been used for generation.	
Unit Availability Factor	% of time in a given period that generator was on line.	% of time in a given period that the unit was or could have been used for genera- tion.	For single boiler, single tur- bine units, unit availability is the same as the EEI defini- tion. For multiple boiler and/or turbine units, the EEI availability is reduced by a fraction of the time any boil- er or turbine is out of ser- vice. The fraction is equal to the resulting unit capacity reduction divided by the total unit capacity.

*Items not listed are identical in definition to
those used in EEI reporting.

Unit Capacity Factor	$\frac{\text{Net Generation, MWHR}}{\text{MDC* (MW-Net) x Hrs. in Per.}} \times 100$	$\frac{\text{Total Gross Generated MWHR}}{\text{MDC* (MW-Gross) x Hrs. in Per.}} \times 100$	$\frac{\text{Total Gross Generated, MWHR}}{\text{Winter Gr. Cap., MW x Hrs. in Per.}} \times 100$
Station Capacity Factor			$\frac{\text{Station Net Generation, MWHR}}{\text{Station Winter Net Capacity, MW} \times \text{Hrs. in Period}} \times 100$
Unit Reserve Shutdown Hrs.	Duration the unit was removed from service for economic reasons, but was available for service.	Removal of a unit from service for economy or other reasons as long as the unit is out but available for operation.	
Unit Forced Outage Rate	$\frac{\text{Forced Outage Hours}}{\text{Hrs. Generator on Line} + \text{Forced Outage Hours}} \times 100$	$\frac{\text{Forced Outage Hours}}{\text{Unit Service Hrs.} + \text{Forced Outage Hours}} \times 100$	
Forced Reduction in Power	Component failure or other condition that require the load on the unit be reduced for corrective action immediately or up to and including the very next weekend.	The occurrence of a component failure or other condition which requires that the load on the unit be reduced immediately or up to and including the very next weekend.	
Forced Outage	The occurrence of a component failure or other condition which requires that the unit be removed from service immediately or up to and including the very next weekend.	The occurrence of a component failure or other condition which requires that the unit be removed from service immediately or up to and including the very next weekend.	

*Maximum Dependable Capacity, MW - winter or summer, whichever is smaller.

REFERENCES

Nuclear Regulatory Commission - Regulatory Guide 1.16, Revision 3, January, 1975

Edison Electric Institute - Report on Equipment Availability for the Ten-Year Period 1964-73
Publication No. 74-57, December, 1974

Production Control & Efficiency Dept., CECo, Technical Staff Instruction, January 24, 1969

FORMULAS TO BE USED IN REPORTING TO THE NUCLEAR REGULATORY COMMISSION

$$\text{Reactor Availability Factor, \%} = \frac{\text{Hours Reactor Was Critical}}{\text{Hours in Reporting Period}} \times 100$$

$$\text{Unit Availability Factor, \%} = \frac{\text{Hours Generator on Line}}{\text{Hours in Reporting Period}} \times 100$$

$$\text{Unit Capacity Factor, \%} = \frac{\text{Net Electrical Power Generated, MWH}}{\text{Max. Dependable Capacity*, MW-Net} \times \text{Hours in Reporting Period}} \times 100$$

$$\text{Unit Forced Outage Rate, \%} = \frac{\text{Forced Outage Hours}}{\text{Hours Generator Operated} + \text{Forced Outage Hours}} \times 100$$

*Dependable winter or summer capacity, whichever is smaller

FORMULAS TO BE USED IN REPORTING TO THE EDISON ELECTRIC INSTITUTE

$$\text{Boiler, Reactor, Turbine Availability, \% EEI} = \frac{(\text{Equipment Service Hrs.} + \text{Hrs. Equipment Available But Not Operated})}{\text{Hours in Period}} \times 100$$

$$\text{Unit Availability, \% EEI} = \frac{(\text{Unit Service Hrs.} + \text{Hrs. Unit Available But Not Operated})}{\text{Hours in Period}} \times 100$$

$$\text{Unit Capacity Factor, \% EEI} = \frac{\text{Gross Electrical Power Generated, MWH}}{\text{Max. Dependable Capacity*, MW-Gross} \times \text{Hours in Period}} \times 100$$

$$\text{Unit Forced Outage Rate, \% EEI} = \frac{\text{Forced Outage Hours}}{\text{Unit Service Hours} + \text{Forced Outage Hours}} \times 100$$

*Dependable winter or summer capacity, whichever is smaller

FORMULAS COMMONLY USED IN INTERNAL C.E. CO. REPORTING

$$\text{Boiler, Reactor, Turbine Availability, \% CE} = \frac{(\text{Equipment Operating Hrs.} + \text{Hrs. Equipment Available But Not Operated})}{\text{Hours in Period}} \times 100$$

$$\text{Multiple Boiler, Turbine Availability, \% CE} = \frac{\sum (\text{Component Winter Gross Capability, MW} \times \text{Component Availability, \%})}{\sum \text{Component Winter Gross Capability, MW}} \times 100$$

$$\text{Unit Availability, \% CE} = \frac{[(\text{Hours in Period})(\text{Unit Winter Gross Capability, MW})] - \sum [(\text{Hours Equipment Unavailable})(\text{Unit Capability Reduction, MW})]}{\text{Hours in Period} \times \text{Total Unit Winter Gross Capability, MW}} \times 100$$

$$\text{Station Availability, \% CE} = \frac{[(\text{Hours in Period})(\text{Station Capability, MW})] - \sum [(\text{Hours Equipment Unavailable})(\text{Station Capability Reduction, MW})]}{\text{Hours in Period} \times \text{Station Capability, MW}} \times 100$$

$$\text{Unit Capacity Factor, \% CE} = \frac{\text{Total Gross Generation, MWH}}{\text{Winter Gross Capacity, MW} \times \text{Hours in Period}} \times 100$$

$$\text{Station Capacity Factor, \% CE} = \frac{\text{Total Station Net Electrical Power Generated, MWH}}{\text{Total Station Winter Net Capacity, MW} \times \text{Hours in Period}} \times 100$$

$$\text{Unit Forced Outage Rate, \% CE} = \frac{\text{Forced Outage Hours}}{\text{Unit Operating Hours} + \text{Forced Outage Hours}} \times 100$$

$$\text{Unit Capacity Factor} = \frac{\text{Unit Net Generation (MWH)}}{\text{Net Capacity (MW)} \times \text{Hours in Period}} \times 100$$

(For Use in Busbar Cost Analysis)

Revised 6/16/75
P. C. & E.
J. J.

Appendix - B

Edison Electric Institute Power Plant
Productivity Data for Central Illinois
Public Service, Commonwealth Edison,
Central Illinois Light Company, and Illinois Power

UTILITY 049 CENTRAL ILLINOIS LIGHT COMPANY
 STATION 009 E D EDWARDS 3
 COMMERCIAL 05/24/72
 NAMEPLATE 0322

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNO HOURS	MAINT HOURS	FPOH	SPON	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1972	5328.0	COAL	360 W	3915.0	5042.6	285.4	0.0	0.0	0.0	0.0	94.6	51.9	6.8	94.6	RSH NOT REPT
1973	8760.0	COAL	374 W	7450.0	7450.0	80.1	1059.0	134.0	0.0	0.0	85.0	56.7	1.1	85.0	
1974	8760.0	COAL	361 W	8039.0	7751.9	858.1	55.9	94.1	0.0	0.0	88.5	57.0	9.6	88.5	SH ERROR
1975	8760.0	COAL	288 W	5026.3	7906.9	271.3	578.8	3.0	0.0	0.0	90.3	35.1	5.1	90.3	RSH NOT REPT
1976	8784.0	COAL	182 W	6969.0	7018.1	645.7	684.1	404.7	0.0	0.0	79.9	66.5	8.5	79.9	

UTILITY 049 CENTRAL ILLINOIS LIGHT COMPANY
 STATION 010 E D EDWARDS 2
 COMMERCIAL 05/04/68
 NAMEPLATE 0250

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNO HOURS	MAINT HOURS	FPOH	SPON	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1972	8784.0	COAL	145 W	8069.0	8784.0	0.0	0.0	0.0	0.0	0.0	100.0	59.0	0.0	100.0	RSH NOT REPT
1973	8760.0	COAL	288 W	7972.0	7972.0	389.8	0.0	422.2	0.0	0.0	91.0	57.9	4.7	91.0	
1974	8760.0	COAL	288 W	8230.0	8230.0	13.6	209.0	311.3	0.0	0.0	93.9	59.5	0.2	93.9	
1975	8760.0	COAL	361 W	7905.8	5015.1	592.7	3152.3	0.0	0.0	0.0	57.3	60.5	7.0	57.3	SH ERROR
1976	8784.0	COAL	358 W	7814.0	7814.0	0.7	167.0	802.4	0.0	0.0	89.0	56.9	0.0	89.0	

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 022 ZION STATION UNIT 1
 COMMERCIAL 06/19/73
 NAMEPLATE 1085

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1974	8760.0	OTHER	1100 W	5014.5	5014.5	778.1	2932.7	0.0	5170.7	0.0	57.2	38.7	13.4	49.0
1975	8760.0	OTHER	914 W	6128.8	6128.8	1524.2	1061.2	45.9	4893.8	0.0	70.0	65.4	19.9	67.3
1976	8784.0	OTHER	1080 W	5456.5	5456.5	1614.1	1681.0	33.2	1045.8	0.0	62.1	53.1	22.8	61.5

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 023 ZION STATION UNIT 2
 COMMERCIAL 12/24/73
 NAMEPLATE 1085

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1974	8760.0	OTHER	1100 W	2580.4	3965.2	4317.7	477.1	0.0	2202.3	0.0	45.3	14.8	62.6	42.0
1975	8760.0	OTHER	914 W	6324.6	6212.8	2547.4	0.0	0.0	5784.6	0.0	70.9	63.9	28.7	66.9
1976	8784.0	OTHER	1080 W	5429.2	5429.2	2755.2	503.7	95.8	1720.0	0.0	61.8	51.7	33.7	61.5

RSH NOT REPT
 SN ERROR

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 019 DRESDEN 3
 COMMERCIAL 07/22/71
 NAMEPLATE 0810

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1973	8760.0	OTHER	840 W	5965.6	8575.0	51.7	132.6	0.0	2004.2	0.0	97.9	52.7	0.9	95.3	RSN NOT REPT
1974	8760.0	OTHER	838 W	5694.0	5694.0	987.2	2074.3	0.0	5371.1	0.0	65.0	46.3	14.8	52.1	
1975	8760.0	OTHER	838 W	4509.5	4509.5	2596.9	1655.0	0.0	4483.4	0.0	51.5	31.9	36.5	33.5	
1976	8784.0	OTHER	832 W	7234.9	7234.9	321.0	1205.1	22.0	7157.9	0.0	82.4	58.2	4.2	61.1	

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 020 QUAD CITIES UNIT NO 1
 COMMERCIAL 04/12/72
 NAMEPLATE 0810

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1973	8760.0	OTHER	832 W	7436.9	8468.4	71.6	0.0	220.0	732.9	0.0	96.7	70.6	1.0	96.1	RSN NOT REPT
1974	8760.0	OTHER	832 W	5423.7	5367.6	1802.2	1511.5	78.8	2825.6	0.0	61.3	52.3	24.9	59.3	SH ERROR
1975	8760.0	OTHER	832 W	7450.5	7450.5	1067.4	80.5	161.7	20455.0	0.0	85.1	62.9	12.5	71.6	
1976	8784.0	OTHER	833 W	5703.0	5703.0	380.3	1702.7	997.1	18964.0	117.1	64.9	50.1	6.3	80.3	

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 021 QUAD CITIES UNIT NO 2
 COMMERCIAL 05/23/72
 NAMEPLATE 0810

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1973	8760.0	OTHER	832 W	7405.4	8565.7	39.9	120.5	33.9	744.0	0.0	97.8	73.3	0.5	97.3	RSN NOT REPT
1974	8760.0	OTHER	832 W	7234.2	7234.2	1242.8	274.6	8.5	6732.1	0.0	82.6	64.7	14.7	77.8	
1975	8760.0	OTHER	832 W	4531.6	2739.1	1092.6	3102.6	1825.7	10090.9	126.6	31.3	37.3	19.4	25.0	SH ERROR
1976	8784.0	OTHER	833 W	7145.3	7145.3	302.5	1152.1	183.3	17739.8	0.0	81.3	63.8	4.1	65.3	

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 017 STATE LINE NO 4
 COMMERCIAL 03/31/62
 NAMEPLATE 0325

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1965	8760.0	COAL/GAS	370 W	8171.0	8171.0	41.0	432.0	116.0	231.0	153.0	93.3	93.3	0.5	92.2	
1966	8760.0	COAL/GAS	370 W	8536.0	8536.0	148.0	0.0	76.0	116.0	0.0	97.4	97.4	1.7	97.0	
1967	8760.0	COAL/GAS	370 W	7328.0	7328.0	88.0	1002.0	342.0	706.0	0.0	83.7	83.7	1.2	82.2	
1968	8760.0	COAL/GAS	370 W	7743.0	7743.0	141.1	692.0	197.1	125.2	4.5	88.1	77.0	1.8	87.8	
1969	8760.0	COAL/GAS	371 W	8327.0	8327.0	312.3	97.6	46.9	5393.4	30.5	95.1	81.8	3.6	88.8	
1970	8760.0	COAL/GAS	371 W	6698.0	6698.0	189.0	0.0	1921.6	2069.0	0.0	76.5	69.2	2.7	73.9	
1971	8760.0	COAL/GAS	372 W	7587.0	7596.8	321.8	838.9	0.0	1432.0	0.0	84.7	82.0	4.1	85.2	
1972	8760.0	COAL/GAS	371 W	6511.0	6652.6	486.1	1221.0	424.3	2398.2	4.5	75.7	66.7	6.9	70.4	RSH NOT REPT
1973	8760.0	COAL	380 W	7738.0	7778.3	673.7	0.0	294.3	5665.5	0.0	88.8	74.0	8.0	83.7	
1974	8760.0	COAL/GAS	380 W	7378.0	7525.0	332.0	762.9	140.1	6224.3	0.0	85.9	68.6	4.3	82.4	RSH NOT REPT
1975	8760.0	COAL	380 W	6593.0	5598.9	403.9	2035.8	721.4	9953.2	0.0	63.9	55.9	5.8	51.0	SH ERROR
1976	8760.0	CDAL	340 W	5709.4	5787.1	864.6	1895.0	237.4	7419.5	0.0	65.9	50.3	13.2	59.5	

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 018 DRESDEN NO 2
 COMMERCIAL 04/13/70
 NAMEPLATE 0810

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1971	8760.0	OTHER	809 W	5695.2	5695.2	946.0	2030.6	135.9	5290.9	0.0	65.0	39.6	14.2	36.8	
1972	8760.0	OTHER	809 W	5253.4	3802.8	946.9	4034.4	0.0	2279.6	482.0	43.3	47.4	15.3	32.1	SH ERROR
1973	8760.0	OTHER	840 W	7673.8	7673.8	767.3	307.2	0.0	3607.5	0.0	87.6	71.4	9.1	80.3	
1974	8760.0	OTHER	840 W	5615.2	5554.9	1486.1	1605.9	113.1	4870.5	0.0	63.4	48.8	20.9	54.8	SH ERROR
1975	8760.0	OTHER	840 W	4830.2	4830.2	328.8	3379.2	258.0	3675.1	0.0	55.1	42.5	6.4	46.2	
1976	8760.0	OTHER	834 W	6664.6	6435.6	280.3	1909.0	159.1	6663.5	0.0	73.3	62.9	4.8	65.8	SH ERROR

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 015 MAUKEGAN NO 8
 COMMERCIAL 07/02/62
 NAMEPLATE 0325

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FROM	SPON	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1965	8760.0	COAL/GAS	370 W	8078.0	7764.0	122.0	736.0	140.0	209.0	55.0	88.6	88.0	1.5	87.9	SH ERROR
1966	8760.0	COAL/GAS	370 W	7760.0	7760.0	105.0	693.0	207.0	302.0	0.0	88.6	88.0	1.3	87.7	
1967	8760.0	COAL/GAS	370 W	7727.0	7555.0	354.0	816.0	35.0	493.0	0.0	86.2	85.8	4.4	84.7	SH ERROR
1968	8784.0	COAL/GAS	370 W	7773.0	7614.0	189.6	648.2	119.1	1649.6	250.5	89.0	67.7	2.4	83.2	
1969	8760.0	COAL/GAS	376 W	8457.0	8479.4	208.3	0.0	72.3	4982.2	13.1	96.8	70.6	2.4	87.2	
1970	8760.0	COAL/GAS	379 W	7559.0	7559.0	446.1	608.2	147.4	5061.6	22.3	86.3	64.2	5.6	80.2	
1971	8760.0	COAL/GAS	379 W	7048.1	7285.6	268.3	872.1	334.0	2759.0	51.2	83.2	64.9	3.7	77.4	RSH NOT REPT
1972	8784.0	COAL/GAS	379 W	6343.0	6535.3	708.3	1029.8	510.7	4357.1	231.0	74.4	56.5	10.0	67.7	RSH NOT REPT
1973	8760.0	COAL	376 W	6975.2	7075.1	151.3	1137.0	376.0	7082.7	58.2	80.8	57.4	2.1	70.4	
1974	8760.0	COAL/GAS	376 W	6332.0	5898.3	522.5	1603.2	736.0	8020.0	0.0	67.3	51.4	7.6	51.9	SH ERROR
1975	8760.0	COAL/GAS	376 W	7256.0	7422.9	482.0	557.1	298.3	7511.4	0.0	84.7	61.1	6.2	68.1	
1976	8784.0	COAL	323 W	5632.0	4686.7	778.8	3173.4	145.1	6547.4	0.0	53.4	50.8	12.1	42.9	SH ERROR

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 016 STATE LINE NO 3
 COMMERCIAL 10/24/55
 NAMEPLATE 0207

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FROM	SPON	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1965	8760.0	COAL/GAS	243 W	7954.6	7954.6	388.2	369.4	47.8	119.7	6.3	90.8	90.8	4.7	90.5	
1966	8760.0	COAL/GAS	243 W	6995.6	6995.6	361.9	1320.2	82.3	126.1	2.0	79.9	79.9	4.9	79.5	
1967	8760.0	COAL/GAS	243 W	8028.6	8028.6	731.4	0.0	0.0	91.0	10.5	91.7	91.7	8.3	91.3	
1968	8784.0	COAL/GAS	243 W	7795.0	7795.0	193.4	690.8	105.6	121.4	0.0	88.7	73.8	2.4	88.4	
1969	8760.0	COAL/GAS	243 W	7989.0	7989.0	565.9	0.0	168.5	174.4	4170.6	91.2	76.3	6.6	90.3	
1970	8760.0	COAL/GAS	243 W	8109.0	8109.0	525.0	0.0	81.3	578.8	7559.3	92.6	70.8	6.1	91.1	
1971	8760.0	COAL/GAS	243 W	7638.0	7814.2	400.8	545.0	0.0	1258.9	6342.1	89.2	68.8	5.8	86.9	RSH NOT REPT
1972	8784.0	COAL/GAS	243 W	6857.0	6925.3	285.6	1383.9	199.5	4261.5	2228.2	78.8	63.0	4.0	75.8	
1973	8760.0	COAL	243 W	7706.0	7565.4	762.7	358.1	73.8	3229.7	7337.0	86.4	73.7	9.0	82.4	SH ERROR
1974	8760.0	COAL/GAS	243 W	7679.0	7918.4	560.2	0.0	209.7	6030.1	9681.8	90.4	74.3	6.6	84.3	
1975	8760.0	COAL	243 W	6599.0	6267.0	940.2	1160.3	392.5	9815.9	8860.3	71.5	60.2	12.5	61.1	SH ERROR
1976	8784.0	COAL	203 W	7095.5	7579.3	743.5	288.0	173.2	676.7	0.0	86.3	71.7	9.5	85.4	

UTILITY 030 COMMONWEALTH EDISON COMPANY
STATION 013 MALIBUAN NO 7
COMMERCIAL 06/11/58
NAMEPLATE 0325

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FROM	SPON	OPER AVAIL	CAP FACT F.O.R.	EQUIV AVAIL		
1965	8760.0	COAL/GAS	344 W	7702.0	7702.0	64.0	716.0	273.0	226.0	25.0	87.9	87.7	0.8	87.3	
1966	8760.0	COAL/GAS	344 W	8425.0	8425.0	200.0	0.0	135.0	177.0	0.0	96.2	95.9	2.3	95.8	
1967	8760.0	COAL/GAS	344 W	7781.0	7781.0	8.0	923.0	48.0	40.0	0.0	88.8	88.6	0.1	88.7	
1968	8784.0	COAL/GAS	344 W	8453.2	8566.5	145.4	0.0	84.2	87.2	0.0	97.5	68.2	1.7	97.3	
1969	8760.0	COAL/GAS	357 W	7842.0	7866.9	119.9	717.1	59.4	4179.5	15.2	89.8	62.5	1.5	87.1	
1970	8760.0	COAL/GAS	360 W	6886.0	7020.4	162.3	1423.6	163.4	7234.0	6.0	80.1	59.0	2.3	77.1	
1971	8760.0	COAL/GAS	360 W	8347.5	8364.0	122.7	47.1	216.5	8774.7	0.0	95.7	67.3	1.4	83.9	
1972	8784.0	COAL/GAS	360 W	7129.0	7378.6	148.4	0.0	1257.0	5395.1	0.0	84.0	58.0	2.0	78.7	RSH NOT REPT
1973	8760.0	COAL	357 W	6563.3	4713.3	190.7	3788.1	67.8	5556.6	1170.9	53.8	53.1	2.8	46.4	SH ERROR
1974	8760.0	COAL/GAS	357 W	5122.0	4197.5	1124.7	3089.5	348.3	6264.8	0.0	47.9	41.7	18.0	42.2	SH ERROR
1975	8760.0	COAL/GAS	357 W	6417.0	6061.8	752.7	1617.0	326.6	8768.4	0.0	69.2	50.1	10.5	58.8	SH ERROR
1976	8784.0	COAL	335 W	6804.0	6959.6	665.1	758.7	400.6	4624.2	0.0	79.2	49.7	8.9	72.4	RSH NOT REPT

UTILITY 030 COMMONWEALTH EDISON COMPANY
STATION 014 JOLIET NO 6
COMMERCIAL 05/21/59
NAMEPLATE 0325

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FROM	SPON	OPER AVAIL	CAP FACT F.O.R.	EQUIV AVAIL		
1965	8760.0	COAL	351 W	7859.0	7859.0	416.0	0.0	485.0	611.0	289.0	89.7	87.9	5.0	86.3	
1966	8760.0	COAL	351 W	6533.0	6533.0	640.0	1503.0	84.0	229.0	75.0	74.6	73.1	8.9	73.4	
1967	8760.0	COAL	351 W	8045.0	8060.0	185.0	373.0	142.0	1570.0	94.0	92.0	90.0	2.2	90.7	
1968	8784.0	COAL	351 W	7911.0	7911.0	169.5	632.1	47.9	1024.8	10.8	90.1	70.7	2.1	87.8	
1969	8760.0	COAL	365 W	8231.3	8231.3	215.7	276.4	18.8	4016.1	44.8	94.0	70.1	2.8	87.8	
1970	8760.0	COAL	365 W	6925.0	6925.0	489.7	1272.8	113.2	4796.7	309.0	79.3	53.1	6.6	68.8	
1971	8760.0	COAL	365 W	6536.0	6381.5	1424.7	589.9	363.9	10452.3	150.8	72.8	49.0	17.9	60.7	SH ERROR
1972	8784.0	COAL	365 W	7098.0	6857.4	385.0	803.7	737.9	27109.1	0.0	78.1	54.9	5.1	61.6	SH ERROR
1973	8760.0	COAL	365 W	5970.0	5970.0	817.5	1472.4	498.8	12931.3	0.0	68.2	45.2	12.0	53.1	
1974	8760.0	COAL/GAS	365 W	6803.4	6909.6	1201.6	10.0	639.9	25029.2	0.0	78.9	50.2	14.8	57.3	
1975	8760.0	COAL	365 W	4759.0	3083.7	1684.4	3527.7	464.2	10504.3	0.0	35.2	32.9	26.1	22.2	SH ERROR
1976	8784.0	COAL	365 W	5380.5	5483.4	2034.5	876.6	389.1	11993.7	0.0	62.4	33.6	27.4	42.3	

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 011 KINCAID NO 1
 COMMERCIAL 03/08/67
 NAMEPLATE 0580

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FROM	SPON	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1967	7176.0	COAL	580 M	5839.1	5839.1	578.2	481.2	277.5	2909.9	120.3	81.4	81.4	9.0	76.7
1968	8784.0	COAL	632 S	4500.0	4500.0	432.2	2004.6	1847.9	3380.2	341.2	51.2	38.1	8.8	42.1
1969	8760.0	COAL	632 S	4946.0	4946.0	2422.8	1123.4	267.6	2805.8	34.4	56.5	45.5	32.9	50.6
1970	8760.0	COAL	632 S	6469.0	5443.0	872.4	1014.7	1429.9	2302.4	113.0	62.1	54.1	11.9	51.8 SH ERROR
1971	8760.0	COAL	632 S	5372.1	5299.0	1890.0	125.2	1445.8	4824.5	0.0	60.5	44.7	26.0	49.7 SH ERROR
1972	8784.0	COAL	632 S	6054.2	6088.9	1874.4	1291.6	287.5	6010.4	0.0	69.3	53.8	15.1	57.4
1973	8760.0	COAL	643 M	5433.1	5433.1	513.0	1734.6	1079.3	4460.0	9.3	62.0	46.5	8.6	55.0
1974	8760.0	COAL	643 M	4089.0	3977.6	1757.8	2226.7	797.9	4145.2	0.0	45.4	36.1	30.1	38.7 SH ERROR
1975	8760.0	COAL	643 M	4550.0	4550.0	1720.9	1224.9	1264.8	4217.0	0.0	51.9	39.0	27.4	45.3
1976	8784.0	COAL	643 M	1975.0	1975.0	556.8	5446.9	803.8	2294.1	67.7	<u>22.5</u>	17.3	22.0	18.8

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 012 KINCAID NO 2
 COMMERCIAL 03/22/66
 NAMEPLATE 0580

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FROM	SPON	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1968	6840.0	COAL	632 S	4572.0	6274.8	326.2	0.0	239.1	4031.4	176.7	91.7	55.6	6.7	81.2 RSH NOT REPT
1969	8760.0	COAL	632 S	4877.0	4793.6	718.1	2878.9	369.4	4049.9	52.1	54.7	46.4	12.8	50.1 SH ERROR
1970	8760.0	COAL	632 S	6126.0	6268.4	719.1	1088.5	684.0	4295.7	0.0	71.6	54.9	10.5	64.5 RSH NOT REPT
1971	8760.0	COAL	632 S	7212.5	7212.5	1015.5	0.0	600.6	6093.5	0.0	82.3	58.4	12.3	62.9
1972	8784.0	COAL	632 S	5656.1	6092.3	823.3	1454.5	413.9	5758.8	0.0	69.4	51.2	12.7	56.0 RSH NOT REPT
1973	8760.0	COAL	643 M	5532.0	5532.0	687.8	2118.9	421.3	5991.0	0.0	63.2	46.7	12.1	54.8
1974	8760.0	COAL	643 M	7149.0	7149.0	747.7	0.0	860.5	7283.6	0.0	81.6	64.2	9.5	70.7
1975	8760.0	COAL	643 M	4989.8	4890.9	359.0	2324.6	1185.5	4386.7	0.0	55.8	44.3	6.7	49.4 SH ERROR
1976	8784.0	COAL	643 M	4578.0	3154.2	3531.0	803.8	1295.1	5451.9	0.0	<u>35.9</u>	40.4	43.5	28.6 SH ERROR

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 011 KINCAID NO 1
 COMMERCIAL 03/08/67
 NAMEPLATE 0580

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1967	7176.0	COAL	580 M	5839.1	5839.1	378.2	481.2	277.3	2909.9	120.3	81.4	81.4	9.0	76.7	
1968	8784.0	COAL	632 S	4500.0	4500.0	432.2	2004.6	1847.9	3380.2	341.2	51.2	38.1	8.8	42.1	
1969	8760.0	COAL	632 S	4946.0	4946.0	2422.8	1123.4	267.6	2805.8	54.4	56.5	45.5	32.9	50.6	
1970	8760.0	COAL	632 S	6469.0	5443.0	872.4	1014.7	1429.9	2302.4	113.0	62.1	54.1	11.9	51.8	SH ERROR
1971	8760.0	COAL	632 S	5372.1	3299.0	1890.0	125.2	1445.8	4824.5	0.0	60.5	44.7	26.0	49.7	SH ERROR
1972	8784.0	COAL	632 S	6054.2	6088.9	1074.4	1291.6	287.5	6010.4	0.0	69.3	53.8	15.1	57.4	
1973	8760.0	COAL	643 M	5433.1	5433.1	513.0	1734.6	1079.3	4460.0	9.3	62.0	46.5	8.6	55.0	
1974	8760.0	COAL	643 M	4089.0	3977.6	1757.8	2226.7	797.9	4145.2	0.0	45.4	36.1	30.1	38.7	SH ERROR
1975	8760.0	COAL	643 M	4550.0	4550.0	1720.9	1224.9	1264.8	4217.0	0.0	51.9	39.0	27.4	45.3	
1976	8784.0	COAL	643 M	1975.0	1975.0	556.8	5446.9	803.8	2294.1	67.7	<u>22.5</u>	17.3	22.0	18.8	

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 012 KINCAID NO 2
 COMMERCIAL 03/22/68
 NAMEPLATE 0580

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1968	6840.0	COAL	632 S	4572.0	6274.8	326.2	0.0	239.1	4031.4	176.7	91.7	55.6	6.7	81.2	RSH NOT REPT
1969	8760.0	COAL	632 S	4877.0	4793.6	718.1	2878.9	369.4	4049.9	52.1	54.7	46.4	12.8	50.1	SH ERROR
1970	8760.0	COAL	632 S	6126.0	6268.4	719.1	1088.5	684.0	4295.7	0.0	71.6	54.9	10.5	64.5	RSH NOT REPT
1971	8760.0	COAL	632 S	7212.5	7212.5	1015.5	0.0	600.6	6091.5	0.0	82.3	58.4	12.3	62.9	
1972	8784.0	COAL	632 S	5656.1	6092.3	823.3	1454.5	413.9	5758.8	0.0	69.4	51.2	12.7	56.0	RSH NOT REPT
1973	8760.0	COAL	643 M	5532.0	5532.0	687.8	2118.9	421.3	5991.0	0.0	63.2	46.7	11.1	54.8	
1974	8760.0	COAL	643 M	7149.0	7149.0	747.7	0.0	860.5	7283.6	0.0	81.6	64.2	9.5	70.7	
1975	8760.0	COAL	643 M	4989.0	4890.9	359.0	2324.6	1185.5	4386.7	0.0	55.8	44.3	6.7	49.4	SH ERROR
1976	8784.0	COAL	643 M	4578.0	3154.2	3531.0	803.8	1295.1	5451.9	0.0	<u>35.9</u>	40.4	43.5	28.6	SH ERROR

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 009 CRAWFORD NO 8
 COMMERCIAL 04/13/61
 NAMEPLATE 0323

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNO HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL/GAS	367 W	8512.0	8512.0	91.0	0.0	157.0	336.0	885.0	97.2	93.3	1.1	93.8
1966	8760.0	COAL/GAS	367 W	7355.0	7355.0	101.0	1148.0	156.0	655.0	688.0	84.0	82.4	1.4	80.8
1967	8760.0	COAL/GAS	367 W	8169.0	8219.0	160.0	0.0	361.0	342.0	473.0	93.8	91.5	1.9	91.3
1968	8784.0	COAL/GAS	347 W	8131.0	8131.0	195.7	277.0	180.0	327.6	538.2	92.6	80.8	2.4	90.3
1969	8760.0	COAL/GAS	388 W	7062.0	7062.0	1242.9	405.5	60.7	1110.2	0.0	80.6	61.8	15.0	79.2
1970	8760.0	COAL/GAS	378 W	8411.0	8411.0	288.8	18.8	41.5	2818.4	0.0	86.0	79.7	3.3	94.1
1971	8760.0	COAL/GAS	371 W	6152.0	6152.0	455.2	2017.1	140.5	1165.1	2.3	70.2	55.7	6.9	69.1
1972	8784.0	COAL/GAS	378 W	7848.0	7848.0	235.4	622.4	75.5	4339.3	0.0	89.3	66.3	2.9	85.4
1973	8760.0	COAL/GAS	378 W	7152.0	7155.0	536.9	716.8	321.2	14052.4	0.0	82.0	52.8	7.0	69.2
1974	8760.0	COAL/GAS	378 W	7439.2	7471.0	101.9	994.3	200.2	15834.3	42.9	85.3	54.6	1.4	65.8
1975	8760.0	COAL/GAS	378 W	7363.0	7417.5	506.7	663.1	174.1	28187.9	494.3	84.7	58.7	6.4	67.9
1976	8784.0	COAL/GAS	368 W	6119.0	6119.0	1062.1	1512.0	90.7	11629.3	0.0	69.7	45.1	14.8	54.5

UTILITY 030 COMMONWEALTH EDISON COMPANY
 STATION 010 WILL COUNTY NO 4
 COMMERCIAL 04/17/63
 NAMEPLATE 0532

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNO HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL	578 W	6347.0	6347.0	458.0	1824.0	131.0	993.0	251.0	72.3	71.1	6.7	69.7
1966	8760.0	COAL	578 W	6015.0	6015.0	461.0	372.0	1912.0	303.0	766.0	68.7	67.4	7.1	66.7
1967	8760.0	COAL	578 W	7744.0	7744.0	798.0	0.0	218.0	841.0	935.0	88.4	86.7	9.3	85.3
1968	8784.0	COAL	553 W	7335.0	7335.0	728.3	603.1	116.3	2621.1	225.4	83.5	66.8	9.0	76.5
1969	8760.0	COAL	582 W	7886.7	7152.3	424.8	890.5	292.5	4567.1	0.0	81.6	60.6	5.1	71.4
1970	8760.0	COAL	582 W	7048.0	7048.0	1278.7	0.0	403.4	3544.6	945.1	80.5	57.6	15.4	69.7
1971	8760.0	COAL	582 W	7150.0	7150.0	633.8	922.0	53.4	10715.8	0.0	81.6	57.1	8.1	67.8
1972	8784.0	COAL	545 W	5677.0	5761.2	1114.3	1800.1	96.8	14559.3	0.0	65.6	42.8	16.4	49.7
1973	8760.0	COAL	545 W	7752.0	7752.0	967.9	41.0	0.0	22047.6	0.0	88.5	58.2	11.1	67.6
1974	8760.0	COAL	545 W	6653.0	6653.0	570.6	1354.5	127.8	16745.0	0.0	75.9	52.8	7.9	57.3
1975	8760.0	COAL/OIL/GAS	545 W	5839.0	5988.3	1847.7	840.2	82.7	9687.8	4.5	68.4	46.4	24.0	57.9
1976	8784.0	COAL	535 W	7465.0	7833.2	444.3	0.0	506.6	8173.8	0.0	89.2	68.0	5.6	76.6

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UTILITY 030 COMMONWEALTH EDISON COMPANY
STATION 007 DRAHFOED NO 7
COMMERCIAL 05/23/50
NAMEPLATE 0219

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNO HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL/GAS	232 M	8623.0	8623.0	64.0	0.0	73.0	8.0	65.0	98.4	97.2	0.7	98.1
1966	8760.0	COAL/GAS	232 M	8369.0	8369.0	314.0	0.0	77.0	375.0	68.0	93.5	94.3	3.6	94.3
1967	8760.0	COAL/GAS	232 M	7927.0	7987.0	54.0	536.0	143.0	38.0	0.0	91.2	89.3	0.7	91.1
1968	8784.0	COAL/GAS	217 M	7824.0	7856.6	668.8	0.0	253.9	34.5	4.7	89.4	81.8	7.9	89.2
1969	8760.0	COAL/GAS	240 M	6398.0	6398.0	553.9	1632.4	161.7	289.1	0.0	73.0	56.9	8.0	72.4
1970	8760.0	COAL/GAS	240 M	7952.0	7982.2	687.3	0.0	89.8	2057.5	21.0	91.1	72.7	8.0	88.9
1971	8760.0	COAL/GAS	240 M	7393.0	7393.0	408.3	859.2	53.9	791.1	18.0	84.4	68.4	5.2	83.4
1972	8784.0	COAL/GAS	240 M	8000.0	8000.0	589.9	92.4	102.6	7498.0	8.0	91.1	69.1	6.9	83.5
1973	8760.0	COAL/GAS	240 M	7332.0	7332.0	546.2	824.8	59.8	11667.8	14.2	83.7	55.0	6.9	69.2
1974	8760.0	COAL/GAS	240 M	7284.7	7348.5	667.2	665.0	125.6	11047.2	0.0	83.9	53.2	8.4	63.2
1975	8760.0	COAL/GAS	240 M	4663.0	4744.4	2654.1	1153.6	207.9	7779.8	94.1	54.2	36.4	36.3	43.1
1976	8784.0	COAL/GAS	240 M	7285.7	7285.7	1189.9	255.9	52.2	14659.9	0.0	82.9	53.5	14.0	64.1

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UTILITY 030 COMMONWEALTH EDISON COMPANY
STATION 008 FISK NO 19
COMMERCIAL 03/14/59
NAMEPLATE 0327

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNO HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL/GAS	355 M	6980.0	6980.0	148.0	1612.0	20.0	3082.0	0.0	79.7	79.7	2.1	76.3
1966	8760.0	COAL/GAS	355 M	8175.0	8175.0	458.0	0.0	127.0	541.0	0.0	93.3	93.3	5.3	91.5
1967	8760.0	COAL/GAS	355 M	7452.0	7452.0	324.0	919.0	65.0	736.0	0.0	85.1	85.1	4.2	84.2
1968	8784.0	COAL/GAS	334 M	8000.0	8018.3	215.7	551.8	23.3	6817.1	271.8	91.3	76.3	2.6	83.1
1969	8760.0	COAL/GAS	362 M	6881.2	6881.2	548.9	1302.4	47.8	2364.1	738.0	78.6	62.5	7.4	75.1
1970	8760.0	COAL/GAS	362 M	8061.0	8061.0	229.1	0.0	449.7	2560.6	1118.9	92.0	76.9	2.8	87.4
1971	8760.0	COAL/GAS	355 M	7294.4	7294.4	148.8	1208.6	66.1	2503.6	3812.8	83.3	73.0	2.0	78.9
1972	8784.0	COAL/GAS	355 M	6051.6	5885.9	755.8	2090.6	51.7	311.7	6628.6	67.0	51.2	11.1	63.0
1973	8760.0	COAL/GAS	362 M	7870.0	7573.2	904.9	0.0	281.9	0.0	8756.7	86.5	57.7	10.3	77.4
1974	8760.0	COAL/GAS	362 M	5360.2	5126.3	3523.1	0.0	110.6	53.3	4997.8	58.5	41.3	39.7	52.9
1975	8760.0	COAL/GAS	362 M	7564.0	7564.0	511.2	397.7	281.3	5988.3	1639.9	86.4	61.7	6.3	62.2
1976	8784.0	COAL/GAS	362 M	5278.0	5278.0	824.1	2612.7	70.1	8373.8	0.0	60.1	39.2	13.5	52.4

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UTILITY 030 COMMONWEALTH EDISON COMPANY

STATION 005 WILL COUNTY NO 2

COMMERCIAL 03/14/55

NAMEPLATE 0150

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOM	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL	184 M	7649.1	7665.4	523.3	350.0	221.3	5726.9	62.6	87.5	84.5	6.4	82.1
1966	8760.0	COAL	184 M	7048.0	7048.0	563.6	1014.3	134.2	2030.2	0.0	80.5	77.8	7.4	78.6
1967	8760.0	COAL	184 M	7445.1	7675.5	865.8	218.7	0.0	2189.8	20.9	87.6	82.2	10.4	84.1
1968	8760.0	COAL	184 M	7492.0	7760.3	597.4	393.0	27.4	522.9	7.0	88.1	61.6	7.4	86.1
1969	8760.0	COAL	178 M	6823.4	6823.4	505.8	1333.3	108.6	1028.1	123.0	77.9	54.2	6.9	73.4
1970	8760.0	COAL	178 M	7835.0	8360.7	201.8	0.0	197.5	7215.0	146.9	95.4	60.7	2.5	86.9
1971	8760.0	COAL	178 M	6676.0	6846.5	158.8	1663.9	90.8	4556.8	0.0	78.2	53.1	2.3	72.3
1972	8784.0	COAL	167 M	6369.0	6617.6	1900.8	54.9	207.6	10493.6	254.0	75.3	52.1	23.0	60.1
1973	8760.0	COAL	167 M	6292.0	6601.5	478.3	1596.5	82.8	8353.9	0.0	75.4	47.9	7.1	65.5
1974	8760.0	COAL	167 M	6682.0	6999.8	721.3	960.0	78.9	6293.5	0.0	79.9	56.8	9.7	72.6
1975	8760.0	COAL/OIL/GAS	167 M	7368.0	7702.6	621.5	437.7	0.0	3618.1	0.0	87.9	66.0	7.8	84.1
1976	8784.0	COAL	162 M	6512.5	7371.9	432.7	892.9	87.3	1652.8	0.0	83.9	58.5	6.2	80.2

RSW NOT REPT
RSW NOT REPT

UTILITY 030 COMMONWEALTH EDISON COMPANY

STATION 006 WILL COUNTY NO 3

COMMERCIAL 06/28/57

NAMEPLATE 0275

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOM	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL	280 M	7922.0	7922.0	395.0	0.0	443.0	424.0	221.0	90.4	87.2	4.7	88.9
1966	8760.0	COAL	280 M	7263.0	7263.0	644.0	853.0	0.0	162.0	78.0	82.9	79.9	8.1	82.4
1967	8760.0	COAL	289 M	7861.6	7911.2	238.4	575.3	35.1	16151.3	487.4	90.3	87.9	2.9	76.8
1968	8784.0	COAL	289 M	7457.0	7457.0	305.8	984.5	0.0	439.0	8.1	84.9	69.5	3.9	83.3
1969	8760.0	COAL	297 M	8358.6	8358.6	293.2	0.0	110.2	277.6	157.6	95.4	77.8	3.4	93.5
1970	8760.0	COAL	297 M	7147.0	7147.0	442.9	1053.2	123.3	3281.5	680.4	81.6	60.2	5.8	74.0
1971	8760.0	COAL	297 M	8262.0	8262.0	265.9	185.4	46.2	6527.5	0.0	94.3	71.2	3.1	82.4
1972	8784.0	COAL	278 M	7735.0	7735.0	259.0	418.6	376.2	11260.6	0.0	88.1	65.9	3.2	73.3
1973	8760.0	COAL	278 M	5694.0	5694.0	211.8	2842.0	28.3	9282.1	0.0	65.0	44.0	3.6	50.7
1974	8760.0	COAL	278 M	6225.0	6225.0	305.7	2140.3	87.7	10793.2	0.0	71.1	51.0	4.7	59.2
1975	8760.0	COAL/OIL/GAS	278 M	6162.0	6282.9	1465.4	1012.4	0.0	5304.9	0.0	71.7	53.5	19.2	67.0
1976	8784.0	COAL	278 M	6616.0	5186.9	180.4	3205.8	210.9	11567.8	0.0	59.0	54.9	2.7	45.2

SH ERROR

UTILITY 030 COMMONWEALTH EDISON COMPANY

STATION 003 RIDGELAND NO 4

COMMERCIAL 08/19/54

NAMEPLATE 0150

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPDH	SPDH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL/GAS	177 W	7098.6	7098.6	348.2	724.4	588.8	9337.2	822.6	81.0	76.9	4.7	73.1
1966	8760.0	COAL/GAS	177 W	6958.2	6958.2	194.3	1106.3	511.2	12496.0	0.0	79.4	75.4	2.7	65.6
1967	8760.0	COAL/GAS	177 W	6978.2	6993.8	285.4	1219.0	159.7	11326.8	0.3	79.9	75.6	3.9	70.8
1968	8784.0	COAL/GAS	162 W	7458.1	7458.1	279.5	767.8	278.7	121.9	613.3	84.9	64.6	3.6	81.6
1969	8760.0	COAL/GAS	154 W	7578.6	7618.0	266.4	537.3	338.9	4825.2	31.8	87.0	72.7	3.4	83.0
1970	8760.0	COAL/GAS	155 W	7563.3	7591.0	0.0	714.8	493.2	4654.0	55.2	86.7	74.4	0.0	85.3
1971	8760.0	COAL/GAS	154 W	7605.2	7719.5	58.9	746.2	236.3	7716.8	110.5	88.1	71.4	0.6	78.9
1972	8784.0	COAL/GAS	138 W	7608.9	7941.9	0.0	634.5	207.6	3677.4	270.6	90.4	77.2	0.0	84.1
1973	8760.0	OIL	152 W	8811.1	8417.0	6.0	245.9	91.2	137.9	13.0	96.1	71.2	8.1	95.9
1974	8760.0	OIL	152 W	5846.6	6168.4	912.8	1535.3	113.4	1541.9	69.2	70.4	49.1	13.5	68.5
1975	8760.0	OIL/GAS	152 W	5995.0	7564.3	31.8	987.5	189.0	422.1	8.4	86.4	56.6	0.5	85.9
1976	8784.0	OIL	152 W	5093.4	8332.3	0.0	396.0	53.7	13.8	22.9	94.9	44.8	0.0	94.8

RSH NOT REPT
SH ERROR

UTILITY 030 COMMONWEALTH EDISON COMPANY

STATION 004 WILL COUNTY NO 1

COMMERCIAL 07/27/55

NAMEPLATE 0150

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPDH	SPDH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL	182 W	8038.0	8146.3	131.4	189.5	292.8	6962.5	18.1	93.0	89.2	1.6	84.2
1966	8760.0	COAL	182 W	7593.6	7644.6	135.8	783.5	196.3	3673.7	277.8	87.3	84.3	1.8	82.0
1967	8760.0	COAL	182 W	7879.7	7939.6	390.9	433.5	0.0	2971.0	103.5	90.6	87.5	4.7	87.5
1968	8784.0	COAL	182 W	7856.0	7971.6	413.2	324.1	54.0	576.6	0.0	90.8	83.6	5.0	87.8
1969	8760.0	COAL	176 W	7416.3	7459.9	303.7	891.3	60.2	639.8	0.0	85.2	61.5	3.9	82.4
1970	8760.0	COAL	176 W	6876.0	6926.6	353.3	1240.0	251.3	6360.8	29.1	79.1	53.2	5.0	71.9
1971	8760.0	COAL	176 W	8217.0	8311.3	109.6	55.1	283.3	7251.6	0.0	94.9	64.3	1.3	82.4
1972	8784.0	COAL	167 W	4890.0	5086.1	2153.4	1427.2	116.6	9233.2	0.0	57.9	36.2	30.6	40.4
1973	8760.0	COAL	167 W	7632.0	7979.1	537.7	87.5	155.8	14103.4	0.0	91.1	52.8	6.6	69.6
1974	8760.0	COAL	167 W	7924.0	8181.5	577.7	0.0	0.0	9407.5	1.6	93.4	64.3	6.8	77.1
1975	8760.0	COAL/OIL/GAS	167 W	6145.0	6355.7	435.6	1967.9	0.0	9657.5	6.2	72.6	49.4	6.6	58.1
1976	8784.0	COAL	167 W	5912.0	6448.1	226.1	1755.6	354.4	10987.4	0.0	73.4	49.5	3.7	55.4

RSH NOT REPT

UTILITY 030 COMMONWEALTH EDISON COMPANY

STATION 001 DRESDEN NO 1

COMMERCIAL 04/15/60

NAMEPLATE 0210

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOM	SPOM	OPER AVAIL	CAP FACT F.O.R.	EQUIV AVAIL
1965	8760.0	OTHER	200 W	6854.0	6855.9	350.7	1488.2	64.0	2668.7	0.0	78.3	78.2	4.9
1966	8760.0	OTHER	200 W	8245.0	8314.2	130.2	0.0	254.0	6155.1	171.0	94.9	94.1	1.6
1967	8760.0	OTHER	200 W	4695.0	6231.7	202.2	1850.4	475.7	1565.1	464.5	71.1	53.6	4.1
1968	8784.0	OTHER	200 W	5356.5	5461.9	423.8	2884.9	0.0	2082.9	72.9	62.2	55.0	7.3
1969	8760.0	OTHER	200 W	5319.2	5365.5	462.7	2605.6	325.0	674.3	1832.2	61.3	49.8	8.0
1970	8760.0	OTHER	200 W	8118.4	8118.4	293.3	7.4	396.4	5687.2	241.3	92.7	81.6	3.5
1971	8760.0	OTHER	200 W	5522.3	5451.3	372.2	2710.6	226.0	5451.3	0.0	62.2	37.1	6.3
1972	8784.0	OTHER	200 W	6867.1	6867.1	80.1	1641.8	193.7	6864.9	0.0	78.2	66.0	1.2
1973	8760.0	OTHER	210 W	6377.3	6377.3	222.0	2163.2	0.0	6056.3	0.0	72.8	33.1	3.4
1974	8760.0	OTHER	210 W	3109.8	3109.8	0.0	5580.0	60.8	3111.2	0.0	35.5	21.1	0.0
1975	8760.0	OTHER	210 W	5049.0	5049.0	1032.3	2506.8	172.4	4438.6	0.0	57.6	40.3	17.0
1976	8784.0	OTHER	215 W	7399.4	7399.4	897.0	388.3	99.6	7313.8	0.0	84.2	53.7	10.8

RSH NOT REPT

SN ERROR

UTILITY 030 COMMONWEALTH EDISON COMPANY

STATION 002 RIDGELAND NO 3

COMMERCIAL 12/07/53

NAMEPLATE 0150

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOM	SPOM	OPER AVAIL	CAP FACT F.O.R.	EQUIV AVAIL
1965	8760.0	COAL/GAS	183 W	7114.6	7195.7	517.4	916.5	130.4	10376.9	865.3	82.1	78.1	6.8
1966	8760.0	COAL/GAS	183 W	7652.9	7671.1	171.1	710.0	207.8	11730.8	0.0	87.6	84.0	2.2
1967	8760.0	COAL/GAS	183 W	7129.7	7168.2	102.5	1165.1	324.2	12689.9	11.6	81.8	78.3	1.4
1968	8784.0	COAL/GAS	168 W	7567.3	7567.3	551.3	539.5	125.7	41.1	12.6	86.1	65.0	6.8
1969	8760.0	COAL/GAS	156 W	7558.1	7659.8	410.0	647.8	42.4	1294.7	59.1	87.4	73.4	5.1
1970	8760.0	COAL/GAS	156 W	6976.4	7015.4	62.7	1089.0	559.7	5233.9	97.1	80.1	68.2	0.9
1971	8760.0	COAL/GAS	156 W	8314.2	8314.2	70.6	0.0	375.1	6751.9	48.8	94.9	82.2	0.8
1972	8784.0	COAL/GAS	153 W	5644.2	5885.7	3.4	2752.7	134.3	3526.1	78.7	67.0	51.5	0.1
1973	8760.0	OIL	157 W	6355.8	6480.7	165.6	2043.4	69.9	24.1	11.4	74.0	53.5	2.5
1974	8760.0	OIL	157 W	7865.4	8343.1	136.8	0.0	332.0	3836.8	76.2	95.2	65.4	1.7
1975	8760.0	OIL/GAS	157 W	3924.5	3660.8	748.1	2016.7	302.8	909.6	0.4	64.6	33.3	16.0
1976	8784.0	OIL	157 W	3812.8	6070.1	1571.9	972.5	169.1	20.0	642.3	69.1	31.1	29.2

RSH NOT REPT

UTILITY 033 CENTRAL ILLINOIS PUBLIC SERVICE COMPANY
 STATION 013 MEREDOSIA UNIT NO 4
 COMMERCIAL 09/10/75
 NAMEPLATE 0194

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOM	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1975	2712.0	OIL	189 W	789.0	2110.8	145.2	0.0	455.0	0.0	0.0	77.8	11.1	15.5	77.8	RSH NOT REPT
1976	8784.0	OIL	196 W	3166.0	6447.6	143.1	1141.1	1052.3	0.0	0.0	73.4	16.8	4.3	73.4	RSH NOT REPT

UTILITY 033 CENTRAL ILLINOIS PUBLIC SERVICE COMPANY
 STATION 010 COFFEE NO 1
 COMMERCIAL 12/20/65
 NAMEPLATE 0330

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNO HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1966	8760.0	COAL	360 W	7332.0	7332.0	33.0	663.0	732.0	272.0	0.0	83.7	82.5	0.4	83.2
1967	8760.0	COAL	360 W	7445.0	7445.0	394.0	497.0	424.0	0.0	0.0	85.0	83.8	5.0	85.0
1968	8784.0	COAL	365 W	6862.8	6862.8	417.6	1320.7	164.1	6.6	0.0	78.1	64.8	5.7	78.1
1969	8760.0	COAL	365 W	6960.0	6960.0	671.1	781.0	349.8	204.3	22.8	79.5	64.3	8.8	78.5
1970	8760.0	COAL	365 W	6336.8	6336.8	228.2	1173.1	1033.7	9.0	498.3	72.3	57.9	3.5	66.8
1971	8760.0	COAL	365 W	6575.5	6575.5	811.8	846.7	524.4	194.5	0.0	75.1	60.0	11.0	74.5
1972	8784.0	COAL	365 W	5302.8	5302.8	1020.6	2011.8	450.0	72.7	0.0	60.4	46.7	16.1	59.9
1973	8760.0	COAL	365 W	2959.3	2959.3	2911.4	2879.9	0.0	0.0	0.0	33.8	23.9	49.6	33.8
1974	8760.0	COAL	365 W	4679.5	4909.1	2747.9	0.0	1103.0	0.0	0.0	56.0	35.3	37.0	56.0
1975	8760.0	COAL	313 W	5156.3	5156.3	2294.4	0.0	1312.1	0.0	0.0	58.9	42.7	30.8	58.9
1976	8784.0	COAL	330 W	4909.3	4909.3	2303.6	1347.5	248.1	0.0	0.0	55.9	40.6	31.9	55.9

R5H NOT REPT

UTILITY 033 CENTRAL ILLINOIS PUBLIC SERVICE COMPANY
 STATION 012 000000000000000000000000
 COMMERCIAL 09/16/72
 NAMEPLATE 0567

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNO HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1972	2568.0	COAL	575 W	2170.8	1219.6	843.8	0.0	504.6	0.0	0.0	47.5	40.6	28.0	47.5 SH ERROR
1973	8760.0	COAL	575 W	5641.5	5641.5	990.4	1386.0	533.0	0.0	0.0	64.4	48.6	14.9	64.4
1974	8760.0	COAL	575 W	6641.3	6558.2	1044.1	1157.6	0.0	649.3	0.0	74.9	55.8	13.6	72.2 SH ERROR
1975	8760.0	COAL	556 W	6881.8	6881.8	1088.6	790.4	0.0	0.0	0.0	78.6	65.1	13.7	78.6
1976	8784.0	COAL	610 W	6042.8	5322.7	2419.7	1041.7	0.0	0.0	0.0	60.6	55.2	28.6	60.6 SH ERROR

UTILITY 033 CENTRAL ILLINOIS PUBLIC SERVICE COMPANY

STATION 008 GRAND TOWER NO 4

COMMERCIAL 04/02/56

NAMEPLATE 0100

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOM	SPON	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL	110 W	8331.0	8331.0	54.0	0.0	375.0	21.0	281.0	95.1	95.1	0.6	93.4
1966	8760.0	COAL	110 W	7503.0	7503.0	967.0	0.0	290.0	4.0	304.0	85.7	85.7	11.4	83.9
1967	8760.0	COAL	110 W	7998.0	7998.0	42.0	707.0	13.0	10.0	760.0	91.3	91.3	0.5	86.9
1968	8764.0	COAL	104 W	8359.0	5047.4	3405.1	331.5	0.0	0.0	3193.5	57.5	83.8	28.9	38.2
1969	8760.0	COAL	104 W	8442.0	6442.0	102.1	2200.9	0.0	0.0	186.1	73.5	59.5	1.6	72.4
1970	8760.0	COAL	104 W	7722.3	7722.3	122.5	877.1	41.8	2.0	70.0	88.2	69.9	1.6	87.7
1971	8760.0	COAL	104 W	8134.3	8169.3	161.3	335.7	94.3	0.0	0.0	93.2	77.5	1.9	93.2
1972	8764.0	COAL	104 W	8091.3	8355.7	115.4	312.7	0.0	0.0	0.0	95.1	81.5	1.4	95.1
1973	8760.0	COAL	104 W	8235.0	7578.5	869.7	311.8	0.0	0.0	0.0	86.5	81.7	9.6	86.5
1974	8760.0	COAL	104 W	6779.3	6939.9	261.8	1583.3	0.0	0.0	0.0	79.2	69.2	3.7	79.2
1975	8760.0	COAL	104 W	8136.0	8136.0	133.0	472.8	0.0	0.0	0.0	92.9	82.9	1.6	92.9
1976	8764.0	COAL	110 W	8512.8	8530.3	166.7	0.0	63.9	0.0	0.0	97.1	83.7	1.9	97.1

SH ERROR

SH ERROR

UTILITY 033 CENTRAL ILLINOIS PUBLIC SERVICE COMPANY

STATION 009 HEREDOSIA NO 3

COMMERCIAL 07/14/60

NAMEPLATE 0200

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANND HOURS	MAINT HOURS	FPOM	SPON	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL	249 W	7930.0	7930.0	88.0	543.0	199.0	0.0	251.0	90.5	89.1	1.1	88.7
1966	8760.0	COAL	249 W	6963.0	6963.0	381.0	1367.0	49.0	8.0	382.0	79.5	78.2	5.2	77.2
1967	8760.0	COAL	249 W	8069.0	8069.0	48.0	523.0	122.0	0.0	359.0	92.1	90.6	0.6	90.1
1968	8764.0	COAL	249 W	8363.0	8363.0	58.8	360.2	0.0	0.0	546.3	95.2	67.4	0.7	92.1
1969	8760.0	COAL	237 W	8203.0	8208.0	35.0	481.3	0.0	0.0	116.2	93.7	74.3	0.4	93.0
1970	8760.0	COAL	237 W	7119.0	5634.3	204.1	1460.8	1460.8	0.0	153.8	64.3	59.8	2.8	63.8
1971	8760.0	COAL	237 W	8059.0	8059.0	166.3	468.8	75.3	0.0	108.8	92.0	69.4	2.0	91.3
1972	8764.0	COAL	237 W	8258.0	8258.0	168.3	352.1	0.0	0.0	0.0	94.0	73.8	2.0	94.0
1973	8760.0	COAL	237 W	8584.0	8584.0	0.0	0.0	175.4	0.0	0.0	98.0	75.3	0.0	98.0
1974	8760.0	COAL	237 W	8052.0	8052.0	22.6	685.1	0.0	0.0	0.0	91.9	68.9	0.3	91.9
1975	8760.0	COAL	237 W	8042.0	8042.0	156.6	479.3	81.5	0.0	0.0	91.8	65.1	1.9	91.8
1976	8764.0	COAL	249 W	6530.5	6551.4	686.1	1538.7	0.0	0.0	0.0	74.6	51.0	9.5	74.6

SH ERROR

UTILITY 117 ILLINOIS POWER COMPANY

STATION 027 WOOD RIVER UNIT NO 4

COMMERCIAL 05/01/54

NAMEPLATE 0099

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOM	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL/GAS	104 W	7912.0	7912.0	161.9	650.1	54.1	0.0	0.0	90.3	74.6	2.0	90.3
1966	8760.0	COAL/GAS	104 W	8047.0	8047.0	87.8	661.4	0.0	26.3	36.6	91.9	70.3	1.1	91.6
1967	8760.0	COAL/GAS	104 W	8276.0	8276.0	21.8	473.8	0.0	10.3	0.0	94.3	82.4	0.3	94.4
1968	8764.0	COAL/GAS	104 W	8060.0	8060.0	0.6	704.9	0.0	0.0	0.0	91.8	81.6	0.0	91.8
1969	8760.0	COAL/GAS	104 W	7523.0	7523.0	86.9	1195.0	0.0	0.0	19.9	85.9	77.2	1.1	85.8
1970	8760.0	COAL/GAS	104 W	8096.0	8096.0	73.7	521.1	100.4	362.7	1006.1	92.4	82.4	0.9	93.2
1971	8760.0	COAL/GAS	104 W	7430.0	7430.0	736.3	451.5	82.0	37.3	27.2	84.8	74.8	9.0	84.7
1972	8764.0	COAL/GAS	104 W	7823.0	7823.1	29.8	650.0	416.1	750.6	692.8	87.5	75.3	0.4	84.2 SH ERROR
1973	8760.0	COAL/GAS	104 W	6424.0	6424.0	475.2	1707.8	107.0	71.7	840.5	73.3	62.6	6.9	71.8
1974	8760.0	COAL/GAS	104 W	5585.0	5631.6	392.7	2489.2	226.5	72.2	486.2	64.5	52.9	6.6	63.6 RSH NOT REPT
1975	8760.0	COAL	104 W	7411.0	7411.0	473.6	519.5	387.3	17.1	503.6	84.6	70.3	6.0	83.6
1976	8764.0	COAL	111 W	7550.0	7710.4	269.7	403.5	400.0	1329.8	2427.4	87.8	52.9	3.4	80.5

UTILITY 117 ILLINOIS POWER COMPANY

STATION 028 WOOD RIVER UNIT 5

COMMERCIAL 07/31/64

NAMEPLATE 3562

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOM	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL	406 W	6706.0	4235.2	178.7	4162.2	183.9	0.0	0.0	48.3	60.4	2.6	48.3 SH ERROR
1966	8760.0	COAL	406 W	6977.0	6977.0	1377.0	269.2	121.3	0.0	54.3	79.6	62.4	16.5	79.6
1967	8760.0	COAL	406 W	7952.0	7952.0	103.0	658.2	19.9	258.8	0.0	91.1	71.8	1.3	90.1
1968	8764.0	COAL	406 W	7504.0	7504.0	631.9	672.8	0.0	23.5	41.0	85.4	69.2	7.8	85.2
1969	8760.0	COAL	406 W	7197.0	7197.0	471.0	1072.3	0.0	0.0	14.3	82.2	68.0	6.1	82.1
1970	8760.0	COAL	406 W	6412.0	6412.0	278.9	2066.2	0.0	388.6	996.0	73.2	57.6	4.2	72.1
1971	8760.0	COAL	406 W	6232.0	6232.0	409.1	38.9	101.3	3615.6	1939.9	94.0	74.9	4.7	87.4
1972	8764.0	COAL	406 W	6786.0	6986.0	739.2	892.1	178.2	4407.3	1735.8	79.5	60.3	9.6	69.0
1973	8760.0	COAL	406 W	5964.0	5893.7	1871.0	649.9	145.5	962.6	2037.1	67.3	51.4	23.9	64.2 SH ERROR
1974	8760.0	COAL	406 W	6179.0	6179.0	2580.0	38.5	4.3	6452.6	0.0	70.5	45.2	29.6	56.2
1975	8760.0	COAL	406 W	6551.0	6551.0	1019.5	1199.9	52.6	7773.4	78.6	74.8	48.5	13.5	57.4
1976	8764.0	COAL	419 W	6659.0	6659.0	650.9	1114.2	359.2	2741.3	873.0	75.8	45.6	8.9	70.5

UTILITY 117 ILLINOIS POWER COMPANY
STATION 041 HENNEPIN UNIT NO 1
COMMERCIAL 04/01/53
NAMEPLATE 0875

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL	77 W	5148.0	8753.5	0.0	0.0	0.0	0.0	0.0	99.9	45.0	0.0	99.9
1966	8760.0	COAL	77 W	5912.0	8402.1	69.5	287.7	0.0	0.0	0.0	95.9	49.5	1.2	95.9
1967	8760.0	COAL/GAS	77 W	5316.0	7495.7	17.9	1234.3	13.5	0.0	0.0	85.6	47.9	0.3	85.6
1968	8734.0	COAL/GAS	77 W	5347.0	7886.1	102.3	458.9	345.8	0.0	18.3	89.8	41.7	1.9	89.7
1969	8760.0	COAL/GAS	77 W	5785.0	7262.5	0.0	1359.9	197.9	0.0	131.7	82.9	46.8	0.0	82.6
1970	8760.0	COAL/GAS	77 W	6673.0	6990.8	1628.7	81.1	78.6	6.8	6.3	79.9	60.3	19.6	79.8
1971	8760.0	COAL/GAS	77 W	8060.0	8134.1	105.3	145.3	349.3	0.0	218.5	92.9	79.3	1.3	92.4
1972	8734.0	COAL/GAS	77 W	7996.0	8072.0	103.3	0.0	577.3	0.0	304.6	91.9	76.3	1.3	91.2
1973	8760.0	COAL/GAS	77 W	5081.0	8006.4	160.2	380.4	13.0	0.0	94.2	93.7	43.2	2.7	93.3
1974	8760.0	COAL/GAS	77 W	5004.0	7065.2	242.9	1451.9	0.0	0.0	240.6	80.7	36.2	4.6	79.7
1975	8760.0	COAL	77 W	5640.0	7310.9	269.8	1147.6	31.7	0.0	283.4	83.5	41.3	4.6	82.8
1976	8734.0	COAL	92 W	6991.0	7975.2	242.3	312.4	231.7	0.0	259.2	90.0	61.1	3.3	90.3

RGH NOT REPT
RGH NOT REPT
RGH NOT REPT

UTILITY 117 ILLINOIS POWER COMPANY
STATION 042 HENNEPIN UNIT NO 2
COMMERCIAL 05/01/59
NAMEPLATE 0200

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOH	SPOH	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	8760.0	COAL	243 W	8089.0	8089.0	207.2	467.4	0.0	0.0	0.0	92.3	69.7	2.5	92.3
1966	8760.0	COAL	243 W	7876.0	7976.8	0.0	883.6	0.0	0.0	0.0	89.9	70.8	0.0	89.9
1967	8760.0	COAL/GAS	243 W	7430.0	7430.0	44.6	1202.0	4.6	0.0	0.0	84.8	66.7	0.6	84.8
1968	8734.0	COAL/GAS	243 W	8263.0	8283.0	40.9	460.4	0.0	0.0	2.7	94.3	74.8	0.5	94.3
1969	8760.0	COAL/GAS	243 W	8182.0	8182.0	110.7	467.6	0.0	0.0	4.6	93.4	76.9	1.3	93.4
1970	8760.0	COAL/GAS	243 W	8111.0	8111.0	564.0	73.4	53.9	0.0	70.3	92.6	77.6	6.5	92.5
1971	8760.0	COAL/GAS	243 W	6940.0	6940.0	669.8	1150.5	12.7	0.0	0.0	79.2	68.5	9.0	79.2
1972	8734.0	COAL/GAS	243 W	5068.0	5068.0	164.1	3331.8	0.0	0.0	9.1	60.2	49.7	3.0	60.1
1973	8760.0	COAL/GAS	243 W	7717.0	7717.8	498.8	590.4	0.0	0.0	486.0	80.1	61.0	6.1	87.4
1974	8760.0	COAL/GAS	243 W	7763.0	7484.5	470.3	805.2	0.0	6.7	1004.0	85.4	57.4	5.7	84.0
1975	8760.0	COAL	243 W	7740.0	7796.6	356.2	611.8	0.0	0.0	77.2	89.0	59.5	4.4	89.0
1976	8734.0	COAL	237 W	5922.0	5922.0	506.1	2353.8	0.0	0.0	55.3	67.4	51.8	7.9	67.4

SH ERROR

UTILITY 017 ILLINOIS POWER COMPANY
 STATION 051 VERMILION UNIT NO 1
 COMMERCIAL 05/01/55
 NAMEPLATE 0075

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOM	SPOM	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1965	8760.0	COAL	78 W	7065.5	8023.0	261.2	304.0	0.0	0.2	76.5	91.6	63.4	3.6	91.4	
1966	8760.0	COAL	73 W	7726.3	7965.9	358.8	417.6	17.7	34.1	150.1	90.9	66.1	4.4	90.4	RSH NOT REPT
1967	8760.0	COAL	73 W	8096.3	8201.6	83.0	475.5	0.0	0.0	33.8	93.6	74.2	1.0	93.5	RSH NOT REPT
1968	8764.0	COAL	73 W	7014.9	7093.2	133.6	1464.5	92.7	0.0	85.5	80.8	63.8	1.9	80.4	RSH NOT REPT
1969	8760.0	COAL	70 W	7774.3	7935.0	390.5	493.0	91.8	17.2	100.4	89.4	73.3	4.8	89.2	
1970	8760.0	COAL	78 W	8104.1	8252.0	0.0	405.4	68.9	0.0	486.6	94.2	75.5	0.0	93.3	
1971	8760.0	COAL	78 W	7936.7	8580.4	27.5	0.0	152.2	2.3	855.0	97.9	64.4	0.3	96.3	RSH NOT REPT
1972	8764.0	COAL	79 W	7819.8	8036.3	0.0	0.0	534.1	176.7	1094.8	93.8	62.8	0.0	91.3	
1973	8760.0	COAL	78 W	6729.7	6910.5	60.2	1681.1	107.5	0.0	1068.2	78.9	51.3	0.9	75.5	
1974	8760.0	COAL	78 W	6677.5	7813.7	411.0	342.6	242.2	74.8	1125.7	89.2	54.1	5.8	86.7	
1975	8760.0	COAL	78 W	7823.7	8166.2	24.4	272.9	296.5	156.8	634.8	93.2	61.6	0.3	91.7	RSH NOT REPT
1976	8764.0	COAL	83 W	8513.0	8566.6	0.0	0.0	217.5	3.5	1357.5	97.5	66.2	0.0	95.2	

UTILITY 117 ILLINOIS POWER COMPANY
 STATION 052 VERMILION UNIT NO 2
 COMMERCIAL 11/01/56
 NAMEPLATE 0100

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOM	SPOM	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1965	8760.0	COAL	110 W	7366.2	8274.3	338.9	0.0	146.9	0.0	0.0	94.5	64.4	4.4	94.5	RSH NOT REPT
1966	8760.0	COAL	110 W	6894.4	8726.7	90.9	0.0	21.9	0.0	0.0	99.6	63.7	1.3	99.6	
1967	8760.0	COAL	110 W	6467.5	7572.4	469.1	715.4	3.1	0.0	0.0	86.4	58.4	6.8	86.4	RSH NOT REPT
1968	8764.0	COAL	110 W	7584.8	8096.9	45.4	500.3	143.1	0.0	0.0	92.2	60.7	0.6	92.2	
1969	8760.0	COAL	110 W	7504.8	7391.1	149.3	1170.7	49.9	0.0	407.9	84.4	67.3	1.9	83.6	SH ERROR
1970	8760.0	COAL	110 W	7407.9	7491.2	103.1	883.1	213.3	43.2	1111.0	85.5	60.3	1.4	83.7	
1971	8760.0	COAL	110 W	8073.4	8082.6	24.3	495.3	97.1	36.9	537.6	92.3	64.5	0.3	91.1	
1972	8764.0	COAL	110 W	8294.6	8294.6	62.4	317.4	110.4	282.8	444.4	94.4	66.4	0.7	93.0	
1973	8760.0	COAL	110 W	6608.9	7373.6	0.0	1413.7	16.8	57.1	827.0	84.2	51.5	0.0	82.5	
1974	8760.0	COAL	110 W	8388.3	8388.3	0.0	365.0	6.7	281.7	1273.3	95.8	53.0	0.0	92.4	
1975	8760.0	COAL	110 W	6979.3	8077.5	18.8	302.3	341.9	202.1	824.5	92.2	55.0	0.3	90.0	
1976	8764.0	COAL	118 W	7253.0	8092.9	52.5	385.6	254.3	835.5	1097.7	92.1	57.6	0.7	89.5	

UTILITY 117 ILLINOIS POWER COMPANY
 STATION 061 BALDWIN UNIT NO 1
 COMMERCIAL 07/13/70
 NAMEPLATE 0584

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOM	SPOM	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1970	4128.0	COAL	605 W	3746.0	3327.2	505.0	0.0	295.8	580.8	0.0	80.6	74.0	11.9	79.2	SH ERROR
1971	8760.0	COAL	605 W	6101.0	6101.0	190.7	2346.0	0.0	296.9	2.2	70.6	67.3	3.0	70.3	
1972	8764.0	COAL	605 W	6839.0	6639.0	576.5	1389.3	0.0	702.3	349.9	77.9	74.9	7.8	77.0	
1973	8760.0	COAL	605 W	6496.0	7257.3	393.8	1109.0	0.0	2564.4	0.0	82.8	73.8	5.7	80.8	RSH NOT REPT
1974	8760.0	COAL	605 W	7478.0	7478.0	409.7	888.6	0.0	3295.0	2.5	85.4	73.5	5.2	82.6	
1975	8760.0	COAL	605 W	6707.0	6707.0	757.5	1317.9	0.0	2426.3	10.6	76.6	64.1	10.1	74.8	
1976	8784.0	COAL	632 S	6311.0	6311.0	363.2	2043.2	43.3	2361.9	36.8	71.8	59.6	5.7	69.2	

UTILITY 117 ILLINOIS POWER COMPANY
 STATION 062 BALDWIN UNIT NO 2
 COMMERCIAL 05/21/73
 NAMEPLATE 0506

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPOM	SPOM	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1973	5400.0	COAL	605 W	5170.0	4788.0	176.1	397.1	38.8	1246.5	9.5	88.7	91.8	3.3	86.5	SH ERROR
1974	8760.0	COAL	605 W	7693.0	7693.0	1069.9	0.0	0.0	1303.0	31.7	87.8	79.8	12.2	85.7	
1975	8760.0	COAL	605 W	6267.0	5355.6	555.1	2849.3	0.0	1658.5	0.0	61.1	63.6	8.1	60.3	SH ERROR
1976	8784.0	COAL	633 S	7529.0	7529.0	589.1	669.2	0.0	24.9	98.2	85.7	74.3	7.3	85.6	

UTILITY 117 ILLINOIS POWER COMPANY

STATION 063 BALDWIN UNIT NO 3

COMMERCIAL 09/27/75

NAMEPLATE 0556

YEAR	PERIOD HOURS	FUEL	MAX CAP	SERVICE HOURS	AVAIL HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	FPON	SPON	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL	
1975	5976.0	COAL	593 M	4812.0	4880.0	747.4	348.6	0.0	874.8	0.0	81.7	66.8	13.4	80.2	RSH NOT REPT
1976	8784.0	COAL	632 M	6817.0	6817.0	946.0	1001.9	10.5	1441.6	14.8	77.6	62.3	12.2	75.3	

Appendix - C

Commonwealth Edison Data Corrected

UTILITY COMMONWEALTH EDISON COMPANY
 STATION DRESDEN #1, BEI NO. 001
 COMMERCIAL 8-1-60
 NAMEPLATE 210 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	<u>210</u>	6,854	351	1,488	64	78.3	<u>55.4</u>	4.9	70.7*
1966	<u>210</u>	8,245	130	0	<u>378</u>	<u>94.2</u>	<u>80.2</u>	1.6	85.7*
1967	<u>210</u>	4,695	202	<u>3,116</u>	<u>721</u>	<u>53.9</u>	<u>46.4</u>	4.1	67.5*(a)
1968	<u>210</u>	<u>5,372</u>	<u>438</u>	2,885	0	62.2	<u>52.4</u>	<u>7.5</u>	57.7*
1969	<u>210</u>	5,319	463	2,606	325	61.3	<u>47.5</u>	8.0	50.3*
1970	<u>210</u>	8,118	293	<u>0</u>	<u>348</u>	92.7	<u>77.7</u>	3.5	79.7*
1971	<u>210</u>	5,522	372	2,711	<u>155</u>	<u>63.0</u>	<u>35.3</u>	6.3	<u>34.4</u>
1972	<u>210</u>	6,867	80	1,642	194	78.2	<u>62.9</u>	1.2	<u>64.7</u>
1973	210	6,377	222	2,163	0	72.8	33.1	3.4	<u>35.5</u>
1974	210	3,110	0	5,588	61	35.5	21.1	0	21.2
1975	210	5,049	1,032	2,507	172	57.6	<u>40.6</u>	17.0	<u>42.8</u>
1976	215	7,399	897	388	100	84.2	53.7	10.8	54.5

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION RIDGELAND #3, EEI No. 002
 COMMERCIAL 12-7-53
 NAMEPLATE 150 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	183	7,115	517	916	130	82.1	<u>59.2</u>	6.8	76.5*
1966	183	7,653	<u>145</u>	710	<u>237</u>	87.6	<u>61.0</u>	<u>1.9</u>	78.2*
1967	183	7,130	102	<u>1,225</u>	<u>263</u>	81.8	<u>63.5</u>	1.4	75.5*
1968	168	7,567	<u>603</u>	504	<u>75</u>	86.1	<u>59.7</u>	<u>7.4</u>	86.0*
1969	<u>175</u>	7,558	410	648	<u>144</u>	<u>86.3</u>	<u>65.3</u>	5.1	85.9*
1970	<u>170</u>	6,976	63	1,089	560	<u>80.4</u>	<u>62.6</u>	0.9	77.7*
1971	<u>170</u>	8,314	71	0	375	94.9	<u>75.4</u>	0.8	<u>88.9</u>
1972	<u>164</u>	5,644	3	2,753	134	67.0	<u>48.2</u>	0.1	<u>61.8</u>
1973	157	6,356	166	<u>2,028</u>	<u>86</u>	74.0	53.5	2.5	73.9
1974	157	<u>7,812</u>	137	0	<u>244</u>	<u>95.7</u>	65.4	1.7	<u>92.6</u>
1975	157	3,924	748	2,017	303	<u>65.0</u>	33.3	16.0	<u>63.2</u>
1976	157	3,813	1,572	972	169	69.1	31.1	29.2	66.7

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION RIDGELAND #4, EEI No. 003
 COMMERCIAL 11-14-55
 NAMEPLATE 150 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	177	7,099	<u>360</u>	724	<u>578</u>	81.0	<u>63.8</u>	4.7	73.1*
1966	177	6,958	194	1,106	501	79.4	<u>58.2</u>	2.7	65.6*
1967	177	6,978	285	1,219	260	79.9	<u>56.5</u>	3.9	70.8*
1968	<u>177</u>	7,458	280	768	279	84.9	<u>59.2</u>	3.6	81.6*
1969	<u>172</u>	7,579	266	537	339	87.0	<u>65.2</u>	3.4	83.0* -67
1970	<u>168</u>	7,565	0	715	453	86.7	<u>68.6</u>	0	85.3*
1971	<u>168</u>	7,605	59	746	236	88.1	<u>65.4</u>	0.8	78.9
1972	<u>160</u>	7,608	0	634	208	90.4	<u>66.7</u>	0	<u>85.2</u>
1973	152	<u>8,113</u>	6	<u>240</u>	91	96.1	71.2	0.1	95.9
1974	152	<u>5,877</u>	913	1,535	<u>141</u>	70.4	49.1	13.5	68.5
1975	152	<u>5,986</u>	32	988	189	<u>86.2</u>	56.6	0.5	85.9
1976	152	5,093	0	396	54	94.4	44.8	0	94.8

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION WILL COUNTY #1, BEI No. 004
 COMMERCIAL 7-27-55
 NAMEPLATE 150 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	182	8,038	131	190	293	93.0	<u>71.8</u>	1.6	84.2*
1966	182	7,594	136	784	196	87.3	<u>67.1</u>	1.8	82.0*
1967	182	7,787	391	434	0	89.5	<u>63.7</u>	<u>4.9</u>	87.5*
1968	182	7,856	<u>426</u>	<u>335</u>	54	90.8	63.6	<u>5.1</u>	87.8*
1969	<u>178</u>	<u>7,462</u>	304	891	60	<u>85.7</u>	<u>60.7</u>	3.9	82.4*
1970	176	<u>6,664</u>	353	1,240	251	<u>78.9</u>	55.2	5.0	71.9*
1971	176	8,217	110	55	283	94.9	64.3	1.3	<u>82.2</u>
1972	<u>171</u>	4,890	2,153	<u>1,287</u>	<u>256</u>	57.9	<u>35.2</u>	30.6	<u>41.1</u>
*1973	167	<u>7,650</u>	<u>621</u>	<u>0</u>	<u>243</u>	<u>90.1</u>	52.8	<u>7.5</u>	<u>68.9</u>
1974	167	7,924	578	0	<u>105</u>	92.2	64.3	6.8	<u>75.9</u>
1975	167	6,145	436	1,968	0	72.6	49.4	6.6	<u>57.8</u>
1976	167	5,912	226	1,756	354	73.4	49.5	3.7	55.4

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION WILL COUNTY #2, EEI No. 005
 COMMERCIAL 3-14-55
 NAMEPLATE 150

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	184	7,649	523	350	221	87.5	<u>69.0</u>	6.4	82.1*
1966	184	7,048	564	1,014	134	80.5	<u>61.7</u>	7.4	78.6*
1967	184	<u>7,356</u>	866	219	<u>88</u>	<u>88.6</u>	<u>60.9</u>	10.4	84.1*
1968	184	<u>7,518</u>	597	393	27	<u>88.4</u>	61.6	7.4	86.1*
1969	<u>167</u>	6,823	<u>495</u>	1,333	109	77.9	<u>53.6</u>	<u>6.7</u>	73.4* -63-
1970	178	<u>7,778</u>	<u>282</u>	<u>197</u>	<u>205</u>	<u>92.2</u>	60.7	<u>3.5</u>	86.9*
1971	178	<u>6,775</u>	159	1,664	91	78.2	53.1	2.3	72.3
1972	<u>172</u>	6,370	1,901	55	208	75.3	<u>50.6</u>	23.0	<u>60.7</u>
1973	167	6,292	478	1,597	83	75.4	47.9	7.1	65.5
1974	167	6,682	721	960	79	79.9	56.8	9.7	72.6
1975	167	7,368	622	438	0	87.9	66.0	7.8	84.1
1976	<u>167</u>	6,512	433	893	87	83.9	<u>56.7</u>	6.2	80.2

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION WILL COUNTY #3, EEI No. 006
 COMMERCIAL 6-28-57
 NAMEPLATE 275

YEAR	MAX CAP	SERVICE HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	<u>289</u>	7,922	395	<u>253</u>	<u>190</u>	90.4	<u>79.2</u>	4.7	88.9*
1966	<u>289</u>	<u>7,272</u>	<u>635</u>	853	0	82.9	<u>68.7</u>	8.1	82.4*
1967	289	7,861	238	575	35	90.3	<u>74.7</u>	2.9	76.8*
1968	289	7,457	<u>341</u>	984	0	84.9	<u>65.3</u>	<u>4.4</u>	83.3*
1969	<u>294</u>	8,359	294	0	111	95.4	<u>78.7</u>	3.4	93.5* ¹ / ₂
1970	297	7,147	<u>439</u>	<u>1,041</u>	<u>135</u>	81.6	<u>56.3</u>	5.8	74.0*
1971	297	8,262	266	185	46	94.3	71.2	3.1	84.1
1972	<u>287</u>	7,735	259	418	<u>373</u>	88.1	<u>63.8</u>	3.2	73.3
1973	278	<u>5,678</u>	212	2,842	28	<u>64.8</u>	44.0	3.6	49.5
1974	278	6,225	306	2,140	88	71.1	51.0	4.7	59.2
1975	278	6,162	1,586	1,012	0	<u>70.3</u>	53.5	<u>20.5</u>	67.0
1976	278	6,616	180	<u>1,704</u>	211	<u>76.1</u>	54.9	2.7	<u>62.3</u>

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION CRAWFORD #7, EEI No. 007
 COMMERCIAL 5-23-58
 NAMEPLATE 219 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	232	8,623	64	0	73	98.4	<u>7.81</u>	0.7	98.1*
1966	232	8,364	<u>328</u>	0	<u>61</u>	95.5	<u>7.89</u>	<u>3.8</u>	94.3*
1967	232	<u>7,891</u>	<u>86</u>	556	<u>156</u>	<u>90.9</u>	<u>7.57</u>	<u>1.1</u>	91.1*(a) *
1968	<u>232</u>	7,824	<u>627</u>	<u>208</u>	<u>92</u>	89.4	7.65	<u>7.4</u>	89.2*
1969	<u>236</u>	<u>6,396</u>	<u>570</u>	1,632	<u>162</u>	73.0	<u>57.9</u>	<u>8.2</u>	72.4* ¹ / ₂
1970	240	7,952	<u>644</u>	0	<u>134</u>	91.1	72.7	<u>7.5</u>	88.9*
1971	240	7,439	408	859	54	<u>84.9</u>	68.4	5.2	<u>84.0</u>
1972	240	8,000	<u>605</u>	<u>0</u>	<u>179</u>	<u>91.3</u>	69.1	<u>7.0</u>	83.5
1973	240	<u>7,328</u>	546	825	60	83.7	55.0	6.9	69.2
1974	240	<u>7,221</u>	<u>729</u>	<u>621</u>	126	<u>83.2</u>	53.2	<u>9.2</u>	<u>62.1</u>
1975	240	4,663	2,654	1,154	<u>109</u>	<u>55.3</u>	36.4	36.3	<u>44.1</u>
1976	240	7,286	1,190	256	52	<u>83.2</u>	53.2	14.0	64.1

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION FISK #19, EEI No. 008
 COMMERCIAL 3-14-59
 NAMEPLATE 327 MW

YEAR	MAX CAP	SERVICE HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	355	6,980	148	1,612	20	79.7	62.7	2.1	76.3*
1966	355	8,157	461	0	142	93.1	75.2	5.3	91.5*
1967	355	7,285	375	982	118	83.2	65.4	4.9	84.2*(a)
1968	355	8,000	193	552	23	91.3	71.8	2.4	83.1*
1969	358	6,881	535	1,302	48	78.6	63.1	7.2	75.1* $\frac{1}{8}$
1970	362	8,083	227	0	450	92.3	76.9	2.8	87.4*
1971	362	7,288	193	1,257	22	83.3	65.8	2.6	78.9
1972	362	5,886	756	2,091	52	67.0	50.2	11.4	63.0
1973	362	7,573	774	0	413	86.5	57.7	9.3	77.4
1974	362	5,176	3,523	0	61	59.1	41.3	40.5	52.6
1975	362	7,569	513	397	281	86.4	61.7	6.3	82.0
1976	362	5,278	824	2,613	70	60.1	39.2	13.5	53.4

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION CRAWFORD #8, EEI No. 009
 COMMERCIAL 4-13-61
 NAMEPLATE 325 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	367	<u>8,517</u>	<u>184</u>	0	<u>59</u>	97.2	<u>79.9</u>	<u>2.1</u>	93.8*
1966	367	<u>7,345</u>	<u>113</u>	<u>1,204</u>	<u>98</u>	<u>83.8</u>	<u>68.2</u>	<u>1.5</u>	80.8*
1967	367	<u>8,063</u>	<u>183</u>	<u>316</u>	<u>147</u>	<u>92.6</u>	<u>74.9</u>	<u>2.2</u>	91.3*
1968	<u>367</u>	8,131	196	277	180	92.6	<u>76.4</u>	2.4	90.3*
1969	<u>373</u>	7,062	1,243	<u>393</u>	61	80.6	<u>64.2</u>	15.0	79.2* ⁻⁶⁷
1970	378	8,411	<u>245</u>	19	<u>86</u>	96.0	79.7	<u>2.8</u>	94.1*
1971	<u>378</u>	6,152	<u>451</u>	2,017	140	70.2	<u>54.7</u>	6.9	69.1
1972	378	7,848	235	622	76	89.3	66.3	2.9	85.4
1973	378	7,152	537	717	321	82.0	52.8	7.0	69.2
1974	378	<u>7,407</u>	102	994	<u>223</u>	<u>84.9</u>	54.6	1.4	<u>64.6</u>
1975	378	7,363	507	663	174	84.7	58.7	6.4	<u>66.9</u>
1976	376	6,119	1,062	1,512	91	69.7	45.1	14.8	54.5

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION WILL COUNTY #4, EEI No. 010
 COMMERCIAL 6-25-63
 NAMEPLATE 537 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNET HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	578	<u>6,335</u>	458	<u>1,890</u>	<u>77</u>	<u>72.3</u>	<u>56.2</u>	6.7	69.7*
1966	578	<u>6,048</u>	<u>2,298</u>	372	<u>43</u>	<u>69.0</u>	<u>53.1</u>	<u>27.5</u>	66.7*
1967	578	<u>6,153</u>	<u>2,464</u>	0	<u>143</u>	<u>70.2</u>	<u>54.2</u>	<u>28.6</u>	85.3*(a)
1968	<u>578</u>	7,335	728	603	<u>121</u>	83.5	<u>64.2</u>	9.0	76.5*
1969	<u>580</u>	<u>7,165</u>	425	891	<u>279</u>	<u>81.8</u>	60.8	<u>5.6</u>	71.4* -55
1970	582	<u>7,053</u>	<u>1,304</u>	0	403	80.5	57.6	<u>15.6</u>	69.7*
1971	582	7,150	633	922	53	81.6	57.1	8.1	<u>67.3</u>
1972	545	<u>5,690</u>	1,114	1,800	97	65.6	<u>41.4</u>	16.4	<u>50.3</u>
1973	545	7,752	968	<u>0</u>	<u>41</u>	88.5	58.2	11.1	67.6
1974	545	6,653	<u>625</u>	1,355	128	75.9	52.8	<u>8.6</u>	<u>58.8</u>
1975	545	5,839	1,848	840	83	68.4	46.4	24.0	57.9
1976	535	7,465	444	0	507	89.2	60.0	5.6	76.2

* Data Not Available to Check
 Corrected

(a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION KINCAID #1, EEI No. 11
 COMMERCIAL 6-7-67
 NAMEPLATE 580 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965									
1966									
1967	638	<u>3,800</u>	579	481	277	<u>74.0</u>	<u>57.3</u>	<u>13.2</u>	76.7*(a)
1968	638	4,500	432	2,005	1,848	51.2	<u>37.7</u>	8.8	42.7*
1969	641	4,946	2,423	1,123	268	56.5	<u>44.9</u>	32.9	50.6* 100
1970	643	6,469	872	1,015	<u>408</u>	<u>73.8</u>	<u>53.2</u>	11.9	51.8*
1971	643	5,373	<u>1,816</u>	<u>1,091</u>	<u>480</u>	<u>61.3</u>	<u>44.0</u>	<u>25.3</u>	<u>50.2</u>
1972	643	<u>6,094</u>	1,074	<u>1,215</u>	<u>364</u>	69.8	<u>52.9</u>	15.1	<u>58.0</u>
1973	643	5,433	513	1,735	1,079	62.0	46.5	8.6	<u>53.0</u>
1974	643	4,089	<u>1,641</u>	2,227	793	<u>46.8</u>	36.1	<u>28.6</u>	<u>40.0</u>
1975	643	4,550	1,721	1,225	1,265	51.9	39.0	27.4	45.3
1976	643	1,975	557	5,447	804	22.5	17.3	22.0	18.8

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION KINCAID #2, EEI No. 12
 COMMERCIAL 6-10-68
 NAMEPLATE 580 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965									
1966									
1967									
1968	<u>638</u>	<u>4,452</u>	<u>340</u>	0	<u>345</u>	<u>86.7</u>	<u>66.6</u>	<u>7.1</u>	81.2*
1969	<u>641</u>	<u>4,884</u>	<u>645</u>	2,879	<u>353</u>	<u>55.8</u>	<u>45.8</u>	<u>11.7</u>	50.1* ⁻⁷⁰⁻
1970	<u>643</u>	6,126	<u>901</u>	1,089	<u>641</u>	<u>70.0</u>	<u>53.9</u>	<u>12.8</u>	64.5*
1971	<u>643</u>	7,213	1,016	0	<u>529</u>	82.3	<u>57.4</u>	12.3	<u>61.5*</u>
1972	<u>643</u>	<u>6,083</u>	823	1,454	414	69.4	<u>50.3</u>	<u>11.9</u>	<u>56.6</u>
1973	643	5,532	688	2,119	421	63.2	46.7	11.1	<u>55.6</u>
1974	643	7,149	748	0	852	81.6	64.2	9.5	70.7
1975	643	4,989	359	<u>2,229</u>	1,186	<u>57.0</u>	44.3	6.7	<u>50.5</u>
1976	643	4,578	3,531	<u>0</u>	<u>673</u>	<u>52.1</u>	40.4	43.5	<u>44.9</u>

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION WAUKEGAN #7, EEI No. 013
 COMMERCIAL 6-11-58
 NAMEPLATE 325 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	344	<u>7,770</u>	<u>78</u>	716	<u>157</u>	<u>89.1</u>	<u>65.3</u>	<u>1.0</u>	87.3*
1966	344	8,425	<u>189</u>	0	135	96.2	<u>70.9</u>	2.3	95.8*
1967	344	7,781	8	923	48	88.8	<u>65.2</u>	0.1	88.7*
1968	344	8,453	<u>134</u>	0	84	97.5	68.2	<u>1.6</u>	97.3*
1969	<u>350</u>	7,842	120	717	59	89.8	<u>63.7</u>	1.5	87.1*
1970	<u>357</u>	6,886	<u>83</u>	1,424	<u>243</u>	80.1	<u>59.5</u>	<u>1.2</u>	77.1*
1971	<u>357</u>	<u>8,338</u>	123	0	<u>264</u>	95.7	<u>67.9</u>	1.4	<u>84.6</u>
1972	<u>357</u>	<u>7,239</u>	<u>164</u>	1,034	<u>208</u>	<u>84.6</u>	<u>58.5</u>	<u>2.3</u>	78.7
1973	357	<u>6,589</u>	191	<u>1,894</u>	68	<u>75.4</u>	53.1	2.8	<u>67.7</u>
1974	357	<u>5,232</u>	<u>997</u>	<u>2,029</u>	<u>293</u>	<u>62.1</u>	41.7	<u>16.0</u>	<u>55.7</u>
1975	357	6,417	753	<u>808</u>	327	<u>78.4</u>	50.1	10.5	<u>67.5</u>
1976	335	6,804	665	<u>427</u>	401	<u>83.0</u>	49.7	8.9	<u>76.2</u>

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION JOLIET #6, EEI No. 014
 COMMERCIAL 6-12-59
 NAMEPLATE 325 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	351	<u>7,882</u>	<u>183</u>	<u>462</u>	<u>233</u>	<u>90.0</u>	<u>75.7</u>	<u>2.3</u>	86.3*
1966	351	<u>6,498</u>	<u>687</u>	1,503	<u>73</u>	<u>74.2</u>	<u>62.6</u>	<u>9.6</u>	73.4*
1967	351	<u>8,028</u>	122	373	<u>223</u>	<u>91.8</u>	<u>73.9</u>	<u>1.5</u>	90.7*
1968	351	7,911	169	<u>416</u>	<u>287</u>	90.1	70.7	<u>2.1</u>	87.8*
1969	<u>359</u>	8,231	216	<u>294</u>	19	94.0	<u>71.2</u>	2.6	87.8* -72-
1970	365	<u>6,885</u>	<u>455</u>	1,273	<u>148</u>	<u>78.6</u>	53.1	<u>6.2</u>	68.8*
1971	365	<u>6,531</u>	<u>1,253</u>	590	<u>386</u>	<u>74.6</u>	49.0	<u>16.1</u>	<u>63.3*</u>
1972	365	7,098	385	804	<u>498</u>	<u>80.8</u>	54.9	5.1	<u>63.8</u>
1973	365	5,970	818	<u>1,451</u>	<u>520</u>	68.2	45.2	12.0	53.1
1974	365	6,894	1,202	<u>650</u>	<u>0</u>	78.9	50.2	14.8	57.3
1975	365	4,759	1,684	<u>1,763</u>	464	<u>55.3</u>	32.9	26.1	<u>42.6</u>
1976	365	5,380	2,034	877	389	62.4	33.6	27.4	42.3

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION WAUKEGAN #8, EEI No. 015
 COMMERCIAL 7-2-62
 NAMEPLATE 325 MW

YEAR	MAX CAP	SERVICE HOURS	FORCED HOURS	PLANNED HOURS	MAINT HOURS	OPER AVAIL	CAP FACT	F.O.R.	EQUIV AVAIL
1965	370	8,078	<u>154</u>	<u>320</u>	<u>153</u>	<u>92.8</u>	<u>69.1</u>	<u>1.9</u>	87.9*
1966	370	7,760	<u>119</u>	693	<u>195</u>	88.6	<u>66.1</u>	<u>1.5</u>	87.7*
1967	370	7,727	<u>161</u>	<u>816</u>	<u>55</u>	<u>88.2</u>	<u>65.3</u>	<u>2.0</u>	84.7*
1968	370	7,773	<u>156</u>	<u>544</u>	<u>242</u>	<u>89.3</u>	<u>67.7</u>	<u>2.0</u>	83.2*
1969	<u>370</u>	8,457	208	0	72	96.8	<u>67.7</u>	2.4	87.2* -73-
1970	<u>376</u>	7,557	446	608	147	86.3	<u>64.7</u>	5.6	80.2*
1971	<u>376</u>	<u>7,194</u>	268	872	334	83.2	<u>65.4</u>	3.7	<u>77.3</u>
1972	<u>376</u>	<u>6,490</u>	707	<u>1,475</u>	<u>66</u>	74.4	<u>56.9</u>	<u>9.8</u>	<u>69.0</u>
1973	376	6,996	151	1,137	376	<u>81.0</u>	57.4	2.1	<u>69.5</u>
1974	376	<u>6,444</u>	<u>447</u>	1,603	<u>187</u>	<u>74.5</u>	51.4	<u>6.5</u>	<u>57.6</u>
1975	376	7,256	482	557	298	84.7	61.1	6.2	<u>68.0</u>
1976	323	5,632	778	<u>1,949</u>	145	<u>67.3</u>	50.8	12.1	<u>56.7</u>

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION STATE LINE #3, EEI No. 016
 COMMERCIAL 11-15-75
 NAMEPLATE 207 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	243	7,955	388	369	48	90.8	<u>72.4</u>	4.7	90.5*
1966	243	6,996	362	1,320	82	<u>80.1</u>	<u>67.4</u>	4.9	79.5*
1967	243	8,029	731	0	0	91.7	<u>81.5</u>	8.3	91.3*
1968	243	7,794	193	691	105	88.7	73.8	2.4	88.4*
1969	243	7,989	<u>322</u>	0	<u>450</u>	91.2	<u>76.1</u>	<u>3.8</u>	90.3* -74-
1970	243	8,109	571	0	81	92.6	70.8	<u>6.6</u>	91.1*
1971	243	7,638	<u>572</u>	<u>540</u>	0	<u>87.3</u>	68.8	<u>7.0</u>	<u>85.6</u>
1972	243	<u>6,871</u>	287	1,384	<u>174</u>	<u>79.0</u>	63.0	4.0	75.8
1973	243	<u>7,777</u>	<u>523</u>	358	74	<u>89.1</u>	73.7	<u>6.3</u>	<u>85.0</u>
1974	243	7,879	<u>556</u>	0	210	<u>91.2</u>	74.3	6.6	<u>86.1</u>
1975	243	<u>6,587</u>	940	<u>643</u>	393	<u>77.4</u>	60.2	12.5	<u>66.0</u>
1976	203	7,096	743	288	173	86.3	71.7	9.5	<u>85.2</u>

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION STATE LINE #4, EEI No. 017
 COMMERCIAL 5-4-1962
 NAMEPLATE 325 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965	<u>360</u>	8,171	41	432	116	93.3	<u>76.9</u>	0.5	92.2*
1966	370	8,536	148	0	76	97.4	<u>85.2</u>	1.7	97.0*
1967	370	7,328	88	1,002	342	83.7	<u>74.0</u>	1.2	82.2*
1968	370	7,743	<u>152</u>	692	197	88.1	77.0	<u>1.9</u>	87.8*
1969	<u>375</u>	<u>8,302</u>	312	98	47	<u>94.8</u>	<u>80.9</u>	3.6	88.8*
1970	<u>380</u>	6,698	<u>142</u>	<u>1,875</u>	<u>46</u>	76.5	<u>67.6</u>	<u>2.1</u>	73.9*
1971	<u>380</u>	7,587	322	839	0	86.7	<u>80.1</u>	4.1	85.2
1972	<u>380</u>	6,511	486	1,221	424	75.7	<u>65.1</u>	6.9	<u>73.4</u>
1973	380	<u>7,751</u>	674	0	294	88.8	74.0	8.0	83.7
1974	380	7,378	332	763	140	85.9	68.6	4.3	82.4
1975	380	<u>6,477</u>	404	<u>1,042</u>	721	<u>75.2</u>	55.9	5.8	<u>62.3</u>
1976	340	5,709	865	1,895	237	65.9	50.3	13.2	59.5

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION DRESDEN #2, EEI No. 018
 COMMERCIAL 12-31-1973
 NAMEPLATE 810 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965									
1966									
1967									
1968									
1969									
1970									
1971	809	5,695	<u>899</u>	2,031	136	65.0	39.6	<u>13.6</u>	42.5
1972	809	<u>5,242</u>	<u>1,206</u>	<u>2,336</u>	0	<u>59.7</u>	47.4	<u>18.7</u>	<u>48.3</u>
1973	814	7,674	<u>756</u>	<u>332</u>	0	87.6	<u>73.8</u>	<u>9.0</u>	<u>80.0</u>
1974	840	5,616	<u>1,428</u>	1,606	113	<u>64.1</u>	48.8	<u>20.3</u>	<u>55.5</u>
1975	840	4,830	329	<u>3,342</u>	258	55.1	42.5	6.4	<u>45.9</u>
1976	834	6,665	280	<u>1,680</u>	159	<u>75.9</u>	62.9	4.0	<u>68.3</u>

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION DRESDEN #3, EEI No. 19
 COMMERCIAL 12-31-73
 NAMEPLATE 810 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965									
1966									
1967									
1968									
1969									
1970									
1971									
1972									
1973	838	5,906	624	2,207	23	67.4	52.8	9.6	60.2
1974	838	5,694	987	2,074	0	65.0	46.3	14.8	52.1
1975	838	4,510	2,597	1,655	0	51.5	31.9	36.5	33.5
1976	832	7,235	321	1,205	22	82.4	58.2	4.2	60.6

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION QUAD CITIES #1, BEI No. 020
 COMMERCIAL 12-31-73
 NAMEPLATE 810 MW

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965									
1966									
1967									
1968									
1969									
1970									
1971									
1972									
1973	<u>847</u>	<u>7,427</u>	1,037	220	0	<u>85.7</u>	<u>69.3</u>	<u>12.2</u>	96.1*(a)
1974	832	<u>5,366</u>	1,802	1,512	79	61.3	<u>50.5</u>	<u>25.1</u>	59.2
1975	832	7,451	1,067	80	162	85.1	62.9	12.5	71.6
1976	833	5,703	380	1,703	997	64.9	50.1	6.3	50.3

* Data Not Available to Check
 Corrected

(a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION QUAD CITIES #2, EEI No. 021
 COMMERCIAL 12-31-73
 NAMEPLATE 810

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965									
1966									
1967									
1968									
1969									
1970									
1971									
1972									
1973	<u>847</u>	7,405	<u>1,064</u>	<u>167</u>	<u>0</u>	<u>85.9</u>	<u>73.5</u>	<u>12.6</u>	97.3(a)
1974	832	7,234	<u>1,048</u>	<u>198</u>	<u>283</u>	82.6	64.7	<u>12.7</u>	<u>77.4</u>
1975	832	4,532	1,093	<u>1,638</u>	<u>1,499</u>	<u>51.7</u>	37.3	19.4	<u>45.5</u>
1976	833	7,145	303	1,152	183	81.3	63.8	4.1	65.3

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION ZION #1, EEI No. 022
 COMMERCIAL 12-31-73
 NAMEPLATE 1085

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965									
1966									
1967									
1968									
1969									
1970									
1971									
1972									
1973									
1974	1,086	<u>5,012</u>	<u>901</u>	<u>2,832</u>	<u>15</u>	57.2	<u>39.2</u>	<u>15.2</u>	<u>48.4</u>
1975	1,086	6,128	<u>1,488</u>	<u>1,062</u>	<u>82</u>	70.0	<u>55.0</u>	<u>19.5</u>	<u>67.0</u>
1976	1,004	5,455	1,614	1,681	33	62.1	<u>58.0</u>	22.8	61.5

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

UTILITY COMMONWEALTH EDISON COMPANY
 STATION ZION #2, EEI No. 023
 COMMERCIAL 9-19-74
 NAMEPLATE 1085

<u>YEAR</u>	<u>MAX CAP</u>	<u>SERVICE HOURS</u>	<u>FORCED HOURS</u>	<u>PLANNED HOURS</u>	<u>MAINT HOURS</u>	<u>OPER AVAIL</u>	<u>CAP FACT</u>	<u>F.O.R.</u>	<u>EQUIV AVAIL</u>
1965									
1966									
1967									
1968									
1969									
1970									
1971									
1972									
1973									
1974	<u>1,086</u>	2,580	<u>5,484</u>	<u>454</u>	<u>243</u>	<u>29.4</u>	<u>15.0</u>	<u>68.0</u>	<u>25.4</u>
1975	<u>1,086</u>	6,324	<u>1,966</u>	<u>376</u>	<u>95</u>	<u>72.2</u>	<u>53.8</u>	<u>23.7</u>	<u>67.8</u>
1976	<u>1,004</u>	5,429	2,755	504	96	61.8	<u>56.5</u>	33.7	61.5

* Data Not Available to Check
 Corrected
 (a) Definitely Wrong

Appendix - D

Illinois Power Data Corrected

Illinois Power Company
Baldwin Power Station
Unit #2
Nameplate Rating 630,500 Kw

<u>Year</u>	<u>Period Hours</u>	<u>Fuel</u>	<u>Max. Capacity</u>	<u>Service Hours</u>	<u>Available Hours</u>	<u>Forced Outage Hours</u>	<u>Planned Outage Hours</u>	<u>Maint. Outage Hours</u>	<u>Forced Partial Out Hours</u>	<u>Scheduled Partial Out Hours</u>	<u>Operating Avail.</u>	<u>Capacity Factor</u>	<u>Forced Outage Rate</u>	<u>Equiv. Avail</u>
1973	5,400	Coal	605,000	4,448	4,448	176.08	397.10	38.83	1,266.50	9.45	82.37	78.98	3.81	81.00
1974	8,760	Coal	605,000	7,693	7,693	1,069.93	-	-	1,301.00	31.74	87.82	76.00	12.21	86.00
1975	8,760	Coal	605,000	6,267	6,267	363.78	2,154.90	-	533.78	72.38	71.54	60.49	5.49	70.70
1976	8,784	Coal	605,000	7,529	7,529	589.13	669.15	-	24.91	98.26	85.71	74.14	7.26	83.55
1977	8,760	Coal	605,000	6,643	6,643	546.60	1,570.42	-	1,619.47	-	75.83	59.80	7.00	74.88

Unit in Commercial Service on 5/21/73.

*All calculations based on period hours from date of commercial service.

Illinois Power Company
Baldwin Power Station
Unit #3
Rated Capacity 834,500 Kw

<u>Year</u>	<u>Period Hours</u>	<u>Fuel</u>	<u>Max. Capacity</u>	<u>Service Hours</u>	<u>Available Hours</u>	<u>Forced Outage Hours</u>	<u>Planned Outage Hours</u>	<u>Maint. Outage Hours</u>	<u>Forced Partial Out Hours</u>	<u>Scheduled Partial Out Hours</u>	<u>Operating Avail.</u>	<u>Capacity Factor</u>	<u>Forced Outage Rate</u>	<u>Equiv. Avail</u>
*1975	4,680	Coal	583,000	3,953	3,953	378.30	348.58	-	891.50	-	84.47	68.35	8.73	82.62
1976	8,784	Coal	605,000	6,817	6,817	945.95	1,001.28	10.45	1,441.62	16.79	77.61	62.22	12.19	75.16
1977	8,760	Coal	605,000	7,262	7,262	748.07	580.88	224.87	1,810.07	13.96	82.90	62.28	9.34	80.05

Unit in Commercial Service on 6/20/75.

*All calculations based on period hours from date of commercial service.

Illinois Power Company
Hannegan Power Station
Unit #2
Nameplate Rating 231,250 Kw

Year	Period Hours	Fuel	Max. Capacity	Service Hours	Available Hours	Forced Outage Hours	Planned Outage Hours	Maint. Outage Hours	Forced Partial Out Hours	Scheduled Partial Out Hours	Operating Avail.	Capacity Factor	Forced Outage Rate	Equip. Avail.
1965	8,760	Coal		8,089	8,089	207.20	467.41	-	-	-	92.34	NA	2.50	92.34
1966	8,760	Coal	239,000*	7,876	7,877	-	833.60	-	-	-	89.92	67.98*	0	89.92
1967	8,760	Coal/Gas	231,000	7,430	7,430	44.57	855.82	-	-	-	84.82	66.66	0.60	84.82
1968	8,784	Coal/Gas	231,000	8,283	8,283	40.83	460.37	-	-	2.67	94.30	74.45	0.49	94.25
1969	8,760	Coal/Gas	235,000	8,182	8,182	110.72	467.57	-	-	4.54	93.40	75.44	1.34	93.40
1970	8,760	Coal/Gas	235,000	8,111	8,111	564.03	73.62	53.89	-	70.32	92.59	75.96	6.50	92.49
1971	8,760	Coal/Gas	235,000	6,940	6,940	689.83	1,130.46	12.70	-	-	79.22	67.12	9.04	79.22
1972	8,784	Coal/Gas	235,000	5,288	5,288	164.14	3,252.84	78.97	-	9.12	60.20	48.41	3.01	60.16
1973	8,760	Coal	235,000	7,717	7,718	498.76	590.43	-	-	486.06	88.11	59.22	6.07	87.39
1974	8,760	Coal	235,000	7,763	7,928	470.34	402.38	-	6.66	1,048.48	90.50	55.55	5.71	85.45
1975	8,760	Coal	235,000	7,740	7,797	356.17	611.80	-	-	77.18	89.01	57.64	4.40	88.91
1976	8,784	Coal	235,000	5,922	5,922	506.13	2,353.78	-	-	47.31	87.42	53.30	7.87	87.36
1977	8,760	Coal	235,000	8,389	8,396	300.50	61.82	-	477.33	1,947.14	95.84	69.26	3.46	91.65

*Based on Winter Capability.

Unit in Commercial Operation 19 Years.

Illinois Power Company
Baldwin Power Station
Unit 2
Nameplate Rating 623,050 Kw

Year	Period Hours	Fuel	Max. Capacity	Service Hours	Available Hours	Forced Outage Hours	Planned Outage Hours	Maint. Outage Hours	Forced Partial Out Hours	Scheduled Partial Out Hours	Operating Avail.	Capacity Factor	Forced Outage Rate	Equiv. Avail.
1970	4,128	Coal	605,000	3,184	3,184	505.00	-	295.83	655.30	-	77.13	63.94	13.69	75.59
1971	8,760	Coal	605,000	6,181	6,181	190.68	2,138.14	207.85	296.87	2.23	70.41	64.04	2.99	70.33
1972	8,764	Coal	605,000	6,839	6,839	576.53	1,389.33	-	782.12	350.14	77.86	71.44	7.77	77.02
1973	8,760	Coal	605,000	7,158	7,158	393.78	1,106.95	-	3,288.09	-	81.71	70.34	5.21	79.00
1974	8,760	Coal	605,000	7,478	7,478	409.70	888.57	-	3,284.68	2.50	85.37	69.98	3.19	82.61
1975	8,760	Coal	605,000	6,707	6,707	757.50	1,317.90	-	2,342.76	10.58	76.56	60.78	10.15	74.55
1976	8,784	Coal	605,000	6,311	6,311	381.18	2,043.18	43.32	2,361.93	36.83	71.83	59.18	5.72	69.04
1977	8,760	Coal	605,000	6,060	6,060	1,169.72	1,527.53	-	4,862.36	45.07	69.18	51.71	16.18	65.79

Unit Placed in Commercial Service on 7/13/70.

*All calculations based on period hours from date of commercial service.

Illinois Power Company
Wood River Toller Station
Unit #3
Nameplate Rating 378,000 Kw

Year	Period Hours	Fuel	Max. Capacity	Service Hours	Available Hours	Forced Outage Hours	Planned Outage Hours	Maint. Outage Hours	Forced Partial Out Hours	Scheduled Partial Out Hours	Operating Avail.	Capacity Factor	Forced Outage Rate	Equip. Avail.
1955	8,760	Coal	395,000*	6,706	6,706	178.70	1,954.22	187.85	-	-	76.55	59.62*	2.60	76.55
1956	8,760	Coal	385,000*	6,977	6,977	1,377.03	269.15	121.28	-	54.25	79.63	61.52*	16.48	79.57
1957	8,760	Coal	383,000	7,982	7,982	90.53	658.22	19.85	258.78	-	91.12	73.06	1.17	96.02
1958	8,784	Coal	389,000	7,504	7,504	763.85	509.95	30.93	23.50	41.02	85.43	69.33	9.26	85.77
1959	8,760	Coal	389,000	7,197	7,197	471.05	1,072.30	-	-	14.25	82.16	68.17	6.15	82.10
1960	8,760	Coal	398,000	6,412	6,412	278.95	2,066.17	-	388.61	995.95	73.20	56.14	4.17	72.11
1971	8,760	Coal	399,000	8,232	8,232	409.10	38.87	101.32	3,615.63	2,005.34	93.97	72.98	4.73	87.19
1972	8,784	Coal	399,000	6,986	6,986	738.23	892.13	178.20	4,407.26	1,735.72	79.33	58.60	9.56	64.71
1973	8,760	Coal	399,000	5,964	5,964	1,870.95	849.88	145.50	962.58	2,037.07	68.08	49.99	23.68	64.91
1974	8,760	Coal	399,000	6,179	6,179	2,587.95	38.43	4.33	6,452.61	-	70.54	43.64	29.52	55.76
1975	8,760	Coal	399,000	6,551	6,551	1,019.50	1,199.92	52.62	7,739.94	139.49	74.78	46.77	13.46	57.03
1976	8,784	Coal	398,000	6,659	6,659	650.72	1,114.17	359.13	2,741.28	872.90	75.81	45.55	8.90	70.20
1977	8,760	Coal	398,000	7,131	7,131	788.27	530.72	309.12	3,646.93	1,703.40	81.40	44.34	9.95	68.72

*Based on Winter Capability.

Unit in Commercial Service 14 Years.

Appendix - E

Central Illinois Light Company Data
Corrected

CENTRAL ILLINOIS LIGHT COMPANY REVISED DATA

<u>Year</u>	<u>Maximum Capability</u>	<u>Service Hours</u>	<u>Available Hours</u>	<u>Forced Hours</u>	<u>Planned Hours</u>	<u>Maintenance Hours</u>	<u>Capacity Hours</u>
Edwards II							
1972	288W	7496	7496	322	966	0	53.2
1973	288W	7972	7972	389.8	0	422.2	57.9
1974	288W	8230	8230	13.6	209.0	311.3	59.5
1975	288W	5026	5015.1	592.7	3152.1	0	35.1
1976	182W*	6969	7018.1	645.7	684.1	404.7	66.5

*Revised due to Environmental considerations

Edwards III							
1972	360W	3915	5042.6	285.4	0	0	51.9
1973	374W	7450	7450	80.1	1059	134	56.7
1974	361W	7751.9	7751.9	858.1	55.9	94.1	57.0
1975	361W	7906	7906.9	271.3	578.8	3.0	60.5
1976	358W	7814	7814	0.7	167	802.4	56.9