



Commonwealth Edison

One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

January 14, 1985

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Byron Station Unit 2
Braidwood Station Units 1 and 2
Antitrust Analysis Update
NRC Docket Nos. 50-455, 50-456/457

- References (a): W. F. Naughton letter to A. Toalston
dated March 22, 1979.
- (b): T. R. Tramm letter to H. R. Denton
dated September 2, 1983.
- (c): T. R. Tramm letter to H. R. Denton
dated September 8, 1983.

Dear Mr. Denton:

Reference (a) provided antitrust information required by the NRC Staff to perform its antitrust review of our operating license application for our Byron and Braidwood Stations in accordance with Regulatory Guide 9.3. References (b) and (c) provided supplemental information regarding Byron Station requested during the course of NRC review. In Reference (b), we indicated that updated Regulatory Guide 9.3 information for Byron Unit 2 and Braidwood Units 1 and 2 would be provided at a later date. The purpose of this letter is to provide this updated information.

The enclosed information is organized to correspond with the format of Regulatory Guide 9.3, and to the best of my knowledge and belief is accurate as of December 20, 1984. Please address any questions concerning this matter to this office.

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PDR ADOCK 05000455
M PDR

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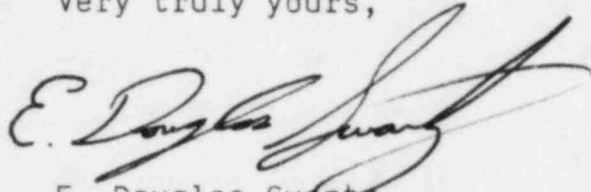
H. R. Denton

- 2 -

January 14, 1985

One signed original and fifteen copies of this letter along with the Enclosure are provided for your use.

Very truly yours,

A handwritten signature in black ink, appearing to read "E. Douglas Swartz". The signature is fluid and cursive, with a large, sweeping "S" at the end.

E. Douglas Swartz
Nuclear Licensing Administrator

EDS/lm

cc: J. G. Keppler - Region III
Region III Inspector - BY/BW

Enclosure

9622N

ENCLOSURE

UPDATE ANTITRUST INFORMATION REQUIRED IN REGULATORY
GUIDE 9.3 FOR BYRON UNIT 2 AND BRAIDWOOD UNITS 1 and 2
OPERATING LICENSE

- 1.a. Applicant (CE) now anticipates that the reserve will be 3668 MW or 23.4% of the estimated net peak load of 15,700 MW in the summer of 1988 when Braidwood Unit 2 is fully operational. Further details of CE's estimated load and capacity are given in the reply by MAIN to the Department of Energy's document, code EP-411. As noted in references (a), (b), and (c) CE has been soliciting participation by other utilities in unit or firm power purchases. The current status of these solicitations are covered in the reply to item 1.h.

As previously stated, if none of the excess reserve can be sold, there will be no specific allocation made. Instead, the new units will be operated in accordance with CE's economic dispatch system and older, more costly units will be operated less frequently.

- 1.b. CE. continues to be a member of MAIN. Current membership in MAIN is shown in EP-411 and copies of all MAIN Guides are included in the EP-411 appendix.
- 1.c. 1. With respect to the nuclear plant, there have been no changes to the transmission since those reported in reference (a) and the Environmental Report - Operating License Stage.
2. With respect to interconnections, the attached map, labeled Exhibit I, shows all of CE's interconnections. Although the map is more schematic than geographic, it should be more helpful than Exhibit I submitted with reference (a). The changes in 345 kV interconnections since 1979 are:

- 3-16-79 Install Pleasant Prairie generating station (WEP) in existing tie-line from Zion (CE) to Racine (WEP).
 - 6-15-79 Install St. John and Green Acres substations (NIPSCO) in existing 345-kV tie-line from Crete (CE) to Olive (I&ME).
 - 10-04-79 Install tap to Minonk substation (CE) in existing 138-kV line from Bloomington (IP) to Oglesby (IP).
 - 4-28-80 Install Sub 91 substation (IICE) in existing 345-kV tie-line from Quad Cities (CE) to Davenport (IIGE).
 - 9-07-82 Remove two 69-kV tie-lines from State Line (CE) to Marktown (NIPSCO).
 - 9-07-82 Remove two 34-kV radial lines from State Line (CE) to American Maize Products and Roberts Dale (NIPSCO).
 - 10-05-82 Install Wolf Lake substation (NIPSCO) in existing 138-kV tie-line from State Line (CE) to Sheffield (NIPSCO).
 - 10-27-82 Install Munster substation (NIPSCO) in existing 345-kV tie-line from Burnham (CE) to Lake George (NIPSCO).
3. With respect to wholesale customers, there have been no changes in the transmission supply since 1979.
- 1.d There have been no changes in the ownership or contractual allocation of the output of the nuclear unit. The unit is solely owned by CE.
- 1e. Changes in design, provisions, or conditions of rate schedules, and reasons for such changes since March 22, 1979 were as follows:

Residential Service

As of July 18, 1984, all residential customers are served on Rate 1 with the exception of customers with electric water heating who are served on a combination of Rates 1 and 3. Concomittantly, Rate 14, the residential space heating rate, was canceled. At that time, Rate 1 was changed to include a declining block energy charge in the non-summer months. Use in excess of 400 kilowatthours is charged a lower amount than the first 400 kilowatthours use in a non-summer month. In its July 12, 1984 order in Docket No. 83-0537, the Illinois Commerce Commission (ICC) directed CE to file a new Rate 1 within 120 days that would include different customer charges for at least two classifications (by type of residence or other cost based distinction,) of residential customers. Any additional revenue obtained by the change in the customer charge provision of Rate 1 was to be used to reduce the first block kilowatthour charge in the non-summer months, thereby increasing the differential between summer and non-summer use. CE's proposal

in this regard was accepted by the ICC and is effective as of December 10, 1984. Summer charges are now 1.45 times higher than non-summer charges in the first block and 2.44 times higher than non-summer tail block charges. The cancellation of Rate 14 and restructuring of Rate 1 reflect an effort to design rates which better represent the cost of providing residential service.

Effective December 7, 1982, Rate 14E, the residential solar assisted electric space heating rate, was canceled, and its provisions were incorporated into Rate 14. At the same time, Rate 3E, the residential solar assisted electric water heating rate, was canceled, and its provisions were incorporated in Rate 3, the residential water heating rate. Effective July 18, 1984, the availability of Rate 3 was frozen to include only customers and their successors at premises then served on Rate 3. This change was made as part of a general policy of eliminating end-use rates unless there was a clearly demonstrated cost basis for such a rate.

The six experimental residential time of day rates, 1E1-1E6, were canceled and replaced with a single experimental residential time of day rate, 1E, effective December 7, 1982. This change was made because sufficient data concerning customer responses to the six rates had been collected. Approximately 200 customers remain on this rate. In its July 12, 1984 order in Docket No. 83-0537, the ICC directed CE to file within 120 days of the order, a voluntary residential time-of-day rate that included demand charges as well as energy charges. The order stipulated that the charges be fully compensatory with respect to costs. CE's proposal for such a rate was accepted by the ICC and is effective as of December 10, 1984.

Effective November 1, 1983 for all residential rates, the gross charge assessed for late payment was replaced by a new late payment charge. The percentage of the penalty varied depending on the amount of the bill under the gross charge provisions, whereas under the late payment provision the penalty is a fixed percentage irrespective of the bill amount. A similar change was made for the rates applicable to Commercial and Industrial customers. These changes were ordered by the ICC to implement a statewide policy regarding late payment.

Commercial and Industrial Service

The rates applying to commercial and industrial customers have gone through several changes.

We have continued to flatten and in some cases eliminate the declining block energy and demand charges in Rates 6 and 6L in order to better reflect the cost of serving commercial and industrial customers. In the spring of 1979, Rate 6 included five demand charge blocks. The declining demand block charges were reduced to four effective February 7, 1980, and were eliminated effective December 7, 1982. Thus, flat seasonally differentiated demand charges apply to customers served on Rate 6. The declining energy charge blocks in Rate 6 have also been reduced in number. In the Spring of 1979, Rate 6 had seven energy charge blocks. These were reduced to six effective February 7, 1980, and to the present three effective December 7, 1982. These changes were made to better reflect the size of customers served on Rate 6 and the cost of serving them. The energy and demand block structure

was the same for Rate 6L as for Rate 6 until December 7, 1982. Effective December 7, 1982, Rate 6L includes two seasonally differentiated demand charge blocks. The energy charge has been modified so that the peak surcharge and off-peak credit have been replaced by flat annual peak and off-peak energy charges. Also effective December 7, 1982, the minimum demand charge provisions of Rates 6 and 6L were eliminated.

The qualifying demand for Rate 6L was decreased from 1500 kW to 1000 kW effective September 29, 1981, and to 750 kW effective April 6, 1983. Effective November 16, 1984, the qualifying demand for time-of-day rates will be reduced to 500 kW. These changes were made to increase the number of commercial and industrial customers served under time-of-day rates, thereby creating an incentive for more customers to increase their off-peak use of electricity and decrease their on-peak use because the rate reflects the higher on-peak and lower off-peak costs. For the same reasons, effective February 7, 1980, Rate 6L was also made applicable to all qualifying Rider 25 customers except those served under the heat-with-light provisions of Rider 25. In its July 12, 1984 order in Docket No. 83-0537, the ICC directed CE to file, within 120 days of the order, new tariff sheets for Rates 6 and 6L. These rates became effective on November 29, 1984. The new Rate 6L applies to all customers with demands of 1000 kW or more while the new Rate 6 applies to those with demands less than 1000 kW. Provision was made in Rate 6L for billing heat-with-light customers under charges that are not time differentiated. Within Rate 6, time-of-day charges are mandatory for customers with demands of 500 kW or more. This change was made in order to make CE's rate classes more consistent with its cost of service classes.

Rates 22 and 22L applied to governmental and school service. The cost of serving these customers, is similar to the cost of serving commercial and industrial customers of the same size. Thus Rates 22 and 22L were generally the same as Rates 6 and 6L with the notable difference that the former included provisions for specified free kW of demand and slightly higher energy charges in the first block. Effective December 7, 1982, these rates were canceled. In order to minimize any dislocation associated with this change, Rider 15 was simultaneously put into effect. This new rider is designed to eliminate, over a three year adjustment period, the difference in charges under Rates 6 and 6L and under Rates 22 and 22L had those rates remained in effect.

As with the residential rates, effective December 7, 1982, the commercial and industrial solar assisted space-heating and water heating tariffs, Rider 25E and Rate 10E, were canceled and their provisions were incorporated in Rider 25 and Rate 10, respectively. Similarly, Rate 10 was frozen, effective July 18, 1984, to limit its applicability to present Rate 10 premises.

Effective December 7, 1982, the streetlighting provisions of Rate 24 municipal pumping service, were eliminated. This change was made because the charges for street lighting were lower under Rate 25 which is available to municipal street lighting customers.

The Company began offering interruptible service under the terms of Rider 26 on August 2, 1979. The Rider is available to commercial and industrial customers with separately metered interruptible load. In its initial form, the only charges applicable to service under Rider 26 were peak and off-peak energy charges subject to a minimum charge provision. Effective December 7, 1982, demand and monthly customer charges were added. Effective July 18, 1984 the previous demand charge was designated as a facilities charge and a declining block demand charge was instituted. This change was based on the marginal costs of serving interruptible customers. Rider 26 was also frozen to limit its availability to customers taking service under the rider effective October 4, 1984. This change was made because the discount offered for interruptible service was no longer justified on cost grounds.

Effective November 9, 1981, the Company offered service under the terms of Rider 4 to all customers operating qualifying cogeneration or small power production facilities. Rider 4 offers compensation to these customers based on avoided energy costs. Under the terms of the rider, no capacity payments are offered. At the same time, the minimum annual charge provision of Rider 5, Auxiliary or Reserve Service, was replaced with a monthly minimum demand charge in order to be consistent with the new Rider 4.

Rider 16, Temporary Service to Buildings Under Construction, was frozen to buildings already under construction or with previously executed Rider 16 contracts, effective December 7, 1982. This change was made because of difficulties both in administering the rider and in reflecting the cost-of-service within that rate design.

By ICC order, effective January 1, 1982, Rider 20, the Electric Fuel Adjustment Clause, was changed from the Company's formula to the uniform state fuel adjustment formula.

Wholesale Service to Municipalities

Service is supplied to seven municipalities for resale under the regulatory jurisdiction of the Federal Energy Regulatory Commission (FERC). Previously reported changes in design, provisions or conditions of rate schedules have been superseded. Increased charges in Rate 78 became effective subject to refund on October 31, 1983 in FERC Docket No. ER83-437-000. Statement BL filed in that proceeding is attached.

The Company and the five municipalities served on Rate 78 jointly filed a settlement agreement with the FERC which included the matters involved in Docket No. ER82-146-000 and Docket No. ER83-437-000. The FERC accepted the settlement agreement on October 2, 1984. The Company paid refunds with interest to the five municipalities on October 5, 1984. A settlement Statement BL Exhibit A for Rate 78 related to each of the above dockets is attached.

Rates Attached

Copies of the following new or changed rates are attached:

- 1 Residential Service
- 1E Residential Service - Time-of-Day
- 1T Residential Service - Voluntary Time-of-Day
- 3 Residential Water Heating Service
- 6 General Service
- 6L Large General Service
- 10 Commercial Water Heating Service
- 24 Municipal Pumping Service

- Rider 4 Parallel Operation of Customer's Qualifying
Generating Facilities

- Rider 5 Auxiliary or Reserve Service

- Rider 15 Governmental and School Service Billing Adjustment

- Rider 16 Temporary Service for Buildings Under Construction

- Rider 20 Electric Fuel Adjustment Clause

- Rider 26 Interruptible Service

- Rates 78
and 79 Wholesale Service

- 1.f.1 There have been no new wholesale customers added to applicant's system.
- 1.f.2 There have been no transfers to the wholesale rate. New rates have been previously discussed and are attached.
- 1.f.3 There have been no changes in applicant's service area.
- 1.f.4 There have been no new acquisitions or mergers.

- 1.g There are no generating capacity additions now fully authorized after the completion of Byron and Braidwood. Previously, two units at Carroll County had been contemplated for service in the late 1980's. Partial authorization of these units had been obtained, but no further design work is now underway because additional nuclear capacity is not anticipated until the late 1990's.

- 1.h A special committee has been established to contact other companies in order to sell capacity. The summary of the current status of their activities is attached as Exhibit II. On November 30, 1984, a request to bid on the facilities of the Sherrard Power System was received. The request is now being studied.

2. The construction permits contained an antitrust condition which is discussed in reference (a). As stated in the reference, nothing was executed prior to December 31, 1974 so the commitment has lapsed because of the passage of time and the nonfulfillment of one of the conditions of the commitment.

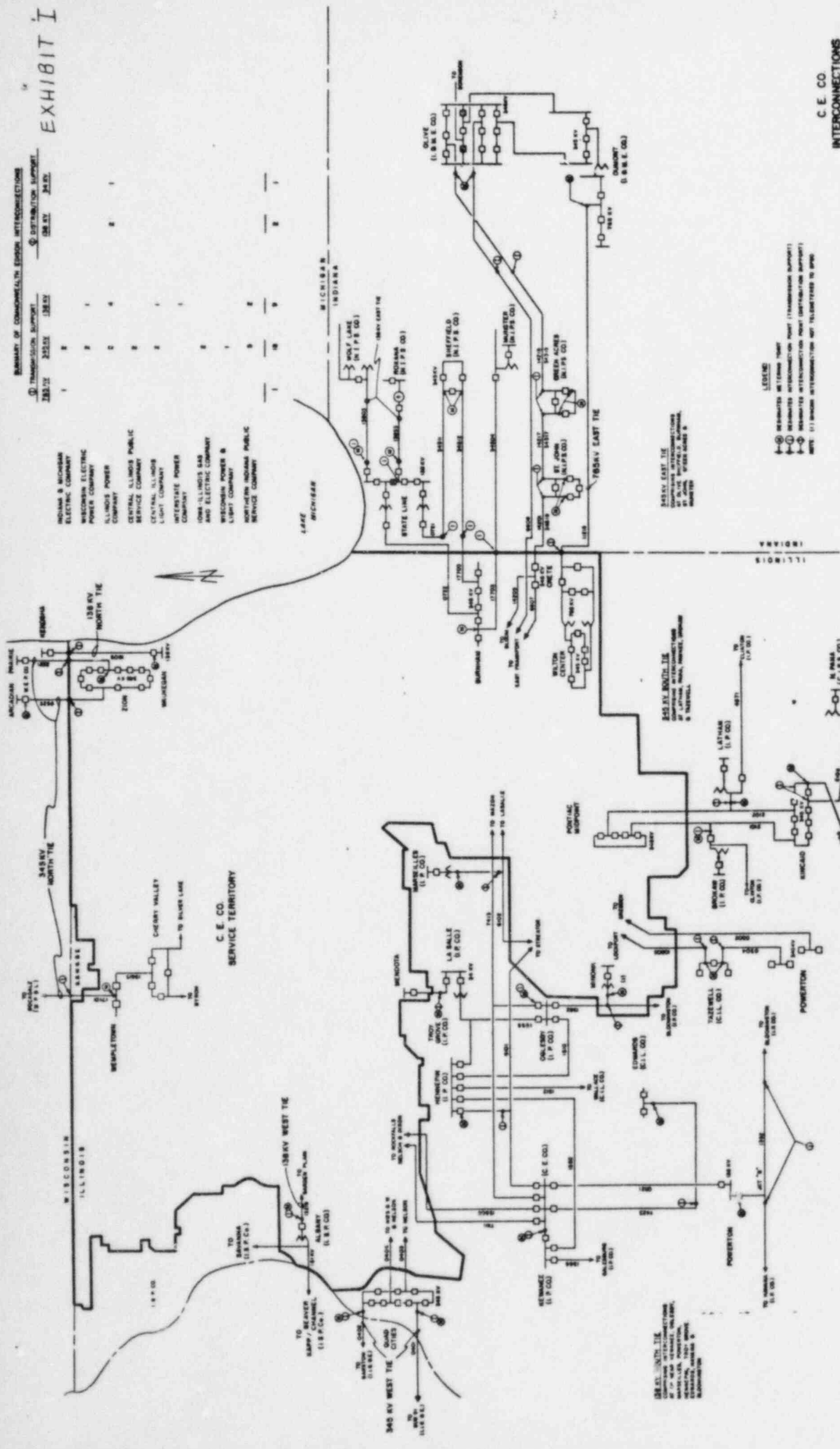
RAN/ma

SUMMARY OF COMPANY WITH INTERCONNECTIONS

EXHIBIT I

COMPANY	TRANSFORMER SUPPORT	DISPATCHING SUPPORT
INDIANA & MICHIGAN ELECTRIC COMPANY	233.75	233.75
WISCONSIN ELECTRIC POWER COMPANY	233.75	233.75
ILLINOIS POWER COMPANY	233.75	233.75
CENTRAL ILLINOIS PUBLIC SERVICE COMPANY	233.75	233.75
CENTRAL ILLINOIS LIGHT COMPANY	233.75	233.75
INTERSTATE POWER COMPANY	233.75	233.75
INDIANA LIGHTS AND POWER COMPANY	233.75	233.75
WISCONSIN POWER AND LIGHT COMPANY	233.75	233.75
NORTHERN INDIANA PUBLIC SERVICE COMPANY	233.75	233.75

INDIANA & MICHIGAN ELECTRIC COMPANY
WISCONSIN ELECTRIC POWER COMPANY
ILLINOIS POWER COMPANY
CENTRAL ILLINOIS PUBLIC SERVICE COMPANY
CENTRAL ILLINOIS LIGHT COMPANY
INTERSTATE POWER COMPANY
INDIANA LIGHTS AND POWER COMPANY
WISCONSIN POWER AND LIGHT COMPANY
NORTHERN INDIANA PUBLIC SERVICE COMPANY



C. E. CO. INTERCONNECTIONS

SYSTEM PLANNING DEPT.
AS OF 3-10-64

- ① REMAINS AT TIME 1964
- ② REMAINS AT TIME 1964 (TRANSFORMER SUPPORT)
- ③ REMAINS AT TIME 1964 (DISPATCHING SUPPORT)
- ④ REMAINS AT TIME 1964 (TRANSFORMER SUPPORT)
- ⑤ REMAINS AT TIME 1964 (DISPATCHING SUPPORT)

LEGEND

345 KV NORTH TIE
COMPARISON INTERCONNECTIONS
AT 345 KV NORTH TIE
BY JUNE 1964
REMARKS

345 KV SOUTH TIE
COMPARISON INTERCONNECTIONS
AT 345 KV SOUTH TIE
BY JUNE 1964
REMARKS

345 KV WEST TIE
COMPARISON INTERCONNECTIONS
AT 345 KV WEST TIE
BY JUNE 1964
REMARKS

345 KV EAST TIE
COMPARISON INTERCONNECTIONS
AT 345 KV EAST TIE
BY JUNE 1964
REMARKS

SUMMARY OF ACTIVITIES TO SELL CAPACITY

Companies Responding with Interest

<u>Utility</u>	<u>Status</u>
Central Illinois Light Co.	Discussions concluded in 1983 were renewed in a 6/5/84 meeting with S. Honold and R. Matulis regarding possible sale to CILCO of a mix of Peaking and Short Term Power ranging from 25 MW to 175 MW during 1985-89. CE draft proposal mailed 6/6/84. Awaiting response from CILCO as of 6/20/84. Second draft mailed 9/26/84. No response yet.
Wabash Valley Power Assoc.	<p>WVPA was not contacted in the original mailing of 3/18/83. Since then some correspondence has been exchanged. R. L. Bolger and R. Beckwith will meet with WVPA on 9/27/83. A number of communications have been exchanged. WVPA is considering a Standby Power Proposal of 12/2/83. WVPA contracted to purchase 45 MW of standby power from 1/1/84 to 12/31/84.</p> <p>Discussions in May '84 regarding Peaking Power for period 1985-1994 culminated in CE draft proposal of 5/31/84. Response deferred until resolution of LaSalle proposal.</p> <p>A series of meetings and discussions were held culminating in a proposal to sell or lease a portion of LaSalle capacity (see R. L. Bolger 9/24/84 letter).</p> <p>A proposal for WVPA to participate in Collins Station has been developed, but not forwarded to them because of their financial difficulties.</p> <p>In a meeting on 11/30/84 WVPA stated that they were no longer interested in acquiring a portion of LaSalle capacity (see R. L. Bolger 9/24/84 letter). However, WVPA is continuing to study the purchase of cycling capacity. Through a letter agreement dated 12/3/84 (not yet signed by WVPA) WVPA is expected to buy a minimum of 60 MW (85 MW max.) of Standby Power during calendar 1985.</p>

12/20/84

SUMMARY OF ACTIVITIES TO SELL CAPACITY

Companies Responding with Interest

<u>Utility</u>	<u>Status</u>
Consumers Power Co.	Discussions are in progress to determine if Edison's off-peak power and energy can be used to pump Ludington economically for the Michigan companies. A second draft proposal by Edison mailed to CP (and AEP) on 11/19/84.

Companies Responding with Interest and Discussions Concluded

<u>Utility</u>	<u>Status</u>
Central Illinois Light Co. (1)	Meeting held 4/26/83; CIL not interested at present; no further action needed. (R. Beckwith memo 4/27/83).
Cleveland Elec. Illum.	Discussion held 5/10/83; CEI not interested at present; no further action required. (R. Beckwith memo 5/12/83.)
Consumers Power (1)	Discussion held 6/20/83; no definite interest at this time. Parties agree to meet and discuss annually. No further action required. (R. Beckwith memo dated 7/5/83)
Indianapolis Power & Light	Meeting held 5/4/83; No real IPL interest; CE to send additional info. (R. Beckwith memo 5/16/83). Example proposals mailed 5/17/83. No response from IPL.
Southern Illinois Power ^o Coop.	Not interested in capacity, but would like to discuss standard interchange schedules. System Planning to review feasibility and respond. R. L. Bolger letter of 5/17/83 responded. No reply since then. No further action planned.
Wisconsin Power & Light Co.	Meeting held 7/8/83 with W. C. Register. WPL not interested in capacity purchase at this time. No further action at this time. (R. Beckwith memo of 7/13/83).

(1) See Page 1 for additional activity in 1984.

12/20/84

SUMMARY OF ACTIVITIES TO SELL CAPACITY

Companies Responding Negatively

<u>Company</u>	<u>Reference</u>	
	<u>Respondent</u>	<u>Date*</u>
Allegheny Power System	S. Garnett (T)	10/27
American Electric Power System	C. DiSieno (T)	10/31
Carolina Power & Light	S. H. Smith	3/23
Central Illinois Public Service	G. W. Moorman	11/ 2
Corn Belt Power Coop.	G. W. Toyne	3/21
Duke Power Co.	D. Booth	4/11
Duquesne Light Co.	J. M. Arthur	4/ 4
East Kentucky Power	D. R. Norris	6/ 6
Iowa-Illinois Gas & Electric	K. Schafer	3/22
Iowa Power & Light Co.	J. R. Bull (T)	10/27
Iowa Public Service Co.	F. W. Griffith	4/14
Iowa Southern Utilities	R. K. Harbour	3/22
Northern Indiana Public Service Co.	F. G. Hiple	6/15
Northern States Power	E. M. Theisen	3/24
Ohio Edison	D. W. Tschappat	4/ 6
Public Service Indiana	H. A. Barker	3/24
Springfield Water, Light & Power	L. A. Gladish	4/22
Tennessee Valley Authority	C. H. Dean	4/ 8
Toledo Edison	K. Hoffman (T)	11/ 1
Union Electric Co.	L. Esswein	3/29
Upper Peninsula Power Co.	E. Argentati	3/21
Wisconsin Electric Power Co.	C. S. McNeer	4/ 8
Wisconsin Public Service Corp.	P. D. Ziemer	4/ 4

* All in 1983

(T) Indicates telephone response

12/20/84

SUMMARY OF ACTIVITIES TO SELL CAPACITY

Companies Not Responding

Central Iowa Power Coop.
Dairyland Power Coop.
Dayton Power & Light Co.
Eastern Iowa Light & Power Coop.
Electric Energy, Inc. *
Muscatine Power & Water

* Generating company only - no response expected.

12/20/84

SUMMARY OF ACTIVITIES TO SELL CAPACITY

Companies Still Considering *

<u>Company</u>	<u>Reference</u>
Cincinnati Gas & Electric Co.	J. E. Grote (T) 10/27/83
Illinois Power Co.	IP originally gave a negative response. An oral request was received from IP in August 1983. R. Beckwith responded with sample proposals (8/24/83 letter). No further correspondence since then.
Indiana Municipal Power Agency	R. Beckwith has had two telephone contacts with General Manager. Meeting may be arranged. Letter dated 2/2/84 from R. L. Bolger outlined possible transactions. No response as of 11/9/84.
Interstate Power Co.	J. Suter (T) 11/4/83
Iowa Electric Light & Power Co.	R. L. Bolger letter of 8/10/83 contained sample proposals of the kinds of transactions CE is willing to make. No reply as of 11/9/84.
Kentucky Utilities	M.H. Lewis letter of 3/25/83. No further correspondence as of 11/9/84.
Madison Gas & Electric Co.	W. Brately (T) 10/27/83
Virginia Electric & Power Co.	J.I. Oatts letter of 3/28/83). No further correspondence as of 11/9/84.

(T) Indicates telephone response

* Commonwealth Edison made the last contact with these companies.
No interest has been shown on their parts for some time.

12/20/84

SUMMARY OF ACTIVITIES TO SELL CAPACITY

Companies Still Considering *

<u>Company</u>	<u>Reference</u>
Wisconsin Public Power Inc.	Meeting held 5/10/83; WPPI interested; System Planning and Statistical Research preparing proposal (R. Beckwith memo 5/12/83) Proposal in draft form 7/1/83 -- to be sent in near future. Proposal mailed (R. L. Bolger 7/14/83 letter). Clarification of proposal mailed 11/4/83. No response as of 11/9/84.

(T) Indicates telephone response

* Commonwealth Edison made the last contact with these companies. No interest has been shown on their parts for some time.

12/20/84

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1 kilowatt. In summer months, this charge is applied to the greater of (a)
2 the maximum demand in the month, or (b) 80% of the highest maximum demand
3 in the other three summer months of the 12-month period ending with the
4 billing month. In non-summer months the charge is applied to 80% of the
5 highest maximum demand in the four preceding summer months. This ratchet
6 provision gives recognition to the importance of summer loads, as
7 explained in the testimony of Mr. John C. Bukovski, in establishing the
8 Company's capacity requirements and therefore its capacity costs. The
9 ratchet was set at 80% because that is the approximate ratio of the
10 customers' lowest summer monthly maximum demands to their highest summer
11 monthly maximum demands.* Thus, customers having established a new high
12 summer demand will retain an incentive to keep other summer demands to a
13 level at least 20% below that highest demand. By giving potential effect
14 to maximum demands in each of the four summer months for billing, this
15 rate design is consistent with the four summer month peak responsibility
16 method of cost allocation that was used. Derivation of the demand and
17 energy charges is shown in Exhibit A to this Statement.

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23 * An 80% ratchet was adopted by the Administrative Law Judge, using the
24 same rationale, in the pending Docket Nos. ER79-182 and ER80-106.

Commonwealth Edison Company

Development of Proposed
Energy and Demand Charges for Rate 78

Total Energy Related Revenue Requirement before revenue credits		\$ 28,961,235
Revenue Credits		<u>(486,241)</u>
Net Energy Related Revenue Requirement		\$ 28,474,994
Kilowatthour Sales		844,737,000
Average per Kilowatthour		3.371¢
Peak Period	3.371¢ x 1.1847*	3.994¢
Off-Peak Period	3.371¢ x .8450*	2.848¢
Peak and off-peak energy charges set at 3.898¢ and 2.752¢ respectively on the calculation that the fuel adjustment, reflecting charges equivalent to fuel costs incurred in each month, will average .096¢ per kilowatthour charge in 1983 (Period II).		
Reconciliation:		
3.898¢ x 390,857,000 KWH (peak)		\$ 15,235,606
2.752¢ x 453,880,000 KWH (off-peak)		12,490,777
Effect of fuel adjustment-Statement BG		<u>812,953</u>
Net Energy Charges		<u>\$ 28,539,336</u>
Demand Charge:		
Total Revenue Requirement-Statement BK		\$ 54,852,126
Less: Revenue from Proposed Rental Charges		74,074
Revenue from Net Energy Charges (above)		<u>28,539,336</u>
		\$ 26,238,716
Plus: Rider 8 Credit		302,674
Rider 11 Credit		<u>6,039</u>
Net Revenue Requirement from Demand Charge		\$ 26,547,429
Billing Units - Kilowatts		1,868,004.6
Demand Charge		\$14.21

Commonwealth Edison Company

Development of Proposed
Energy and Demand Charges for Rate 78

Reconciliation:

\$14.21 x 1,868,004.6 KW	\$ 26,544,345
Rider 8 Credit 1,734,919.6 KW x (17.446¢)	(302,674)
Rider 11 Credit 60,393.1 KW x (10¢)	<u>(6,039)</u>
Net Demand Charges	\$ 26,235,632
Net Energy Charges (page 1)	28,539,336
Rental Revenues - Statement BG	<u>74,074</u>
Total Proposed Revenue - Statement BG	<u>\$ 54,849,042</u>

- * Based on 1981 relationship between peak period average energy costs and overall average energy costs, and between off-peak average energy costs and overall average energy costs.

Source - Volume VI, Workpapers for Period II, Statement BL.
Energy cost of service data in Statement BL workpapers were extracted from the full cost of service data included in Statement BK.

COMMONWEALTH EDISON COMPANY

Docket No. ER82-146-000

Development of Proposed Settlement
Energy and Demand Charges for Rate 78
Based on \$8.2 Million Revenue Increase

Total Energy Related Operating Expenses before Revenue Credits			\$ 25,284,169
Revenue Credits			<u>(19,522)</u>
Net Energy Related Operating Expenses			<u>\$ 25,264,647</u>
Kilowatthour Sales			<u>876,530,000</u>
Average Cost per Kilowatthour			<u>2.882¢</u>
Peak Period Cost	$2.882¢ \times 1.1646^*$	=	3.356¢
Off-Peak Period Cost	$2.882¢ \times .8609^*$	=	2.481¢
Peak and off-peak energy charges set at 3.357¢ and 2.482¢, respectively, on the calculation that the proposed fuel adjustment will average .001¢ per kilowatthour credit in 1982 (Period II).			

Reconciliation:

$\$.03357 \times 401,832,000$ KWH (peak)	=	\$ 13,489,500
$\$.02482 \times 474,698,000$ KWH (off-peak)	=	11,782,004
Effect of proposed fuel adjustment - Statement BG		<u>(4,744)</u>
Net Energy Charges		<u>\$ 25,266,760</u>

* Based on 1980 relationship between peak period average energy costs and overall average energy costs, and between off-peak average energy costs and overall average energy costs.

COMMONWEALTH EDISON COMPANY

Docket No. ER82-146-000

Demand Charge:

Total Revenue Requirement	\$ 47,032,838
Less: Revenue from Energy Charges	<u>25,266,760</u>
	\$ 21,766,078
Plus: Rider 8 Credit	84,065
Rider 11 Credit	<u>4,814</u>
Net Revenue Requirement from Demand Charge	<u>\$ 21,854,957</u>
Billing Units - Kilowatts	<u>2,203,080</u>
Demand Charge	<u>\$9.92</u>

Reconciliation:

\$9.92 x 2,203,080 KW	=	\$ 21,854,554
Rider 8 Credit		(84,065)
Rider 11 Credit		<u>(4,814)</u>
Net Demand Charges		\$ 21,765,675
Net Energy Charges (page 1)		<u>25,266,760</u>
Total Proposed Revenue		<u>\$ 47,032,435</u>

COMMONWEALTH EDISON COMPANY

Docket No. ER83-437-000

Development of Proposed Interim Settlement
Energy and Demand Charges for Rate 78
Based on \$3.75 Million Revenue Increase

Net Energy Related Revenue Requirement	<u>\$ 27,701,544</u>
Kilowatthour Sales	<u>844,737,000</u>
Average per Kilowatthour	<u>3.2793¢</u>
Peak Period	$3.2793¢ \times 1.1847^* = 3.884¢$
Off-Peak Period	$3.2793¢ \times .8450^* = 2.771¢$

Peak and off-peak energy charges set at 3.788¢ and 2.675¢, respectively, on the calculation that the fuel adjustment, reflecting charges equivalent to fuel costs incurred in each month, will average .096¢ per kilowatthour charge in 1983 (Period II).

Reconciliation:

3.788¢ x 390,857,000 KWH (peak)	\$ 14,805,663
2.675¢ x 453,880,000 KWH (off-peak)	12,141,290
Effect of fuel adjustment - Statement BG	<u>812,953</u>
Net Energy Charges	<u>\$ 27,759,906</u>

- * Based on 1981 relationship between peak period average energy costs and overall average energy costs, and between off-peak average energy costs and overall average energy costs.

COMMONWEALTH EDISON COMPANY

Docket No. ER83-437-000

Demand Charge:

Total Revenue Requirement	\$ 49,980,102
Less: Revenue from Proposed Rental Charges	74,074
Revenue from Net Energy Charges (page 1)	<u>27,759,906</u>
	\$ 22,146,122
Plus: Rider 8 Credit	302,674
Rider 11 Credit	<u>6,039</u>
Net Revenue Requirement from Demand Charge	<u>\$ 22,454,835</u>
Billing Units - Kilowatts	<u>1,868,004.6</u>
Demand Charge	<u>\$12.02</u>

Reconciliation:

\$12.02 x 1,868,004.6 KW	=	\$ 22,453,415
Rider 8 Credit	1,734,919.6 KW x (17.446¢)	(302,674)
Rider 11 Credit	60,393.1 KW x (10¢)	<u>(6,039)</u>
Net Demand Charges		\$ 22,144,702
Net Energy Charges (page 1)		27,759,906
Rental Revenues - Statement BG		<u>74,074</u>
Total Proposed Revenue		<u>\$ 49,978,682</u>

RATE 1. RESIDENTIAL SERVICE

Availability.

This rate is available to any customer using the Company's electric service for residential purposes.

*Charges.

Monthly Customer Charge.

The monthly customer charge shall be \$9.92 for Customers residing in buildings containing 1 or 2 dwelling units. This shall include, but not be limited to, structures commonly referred to as single family detached houses, single family attached houses, row houses, town houses, semi-detached houses, duplexes, two-flats, and two family houses.

The monthly customer charge shall be \$5.40 for Customers residing in buildings containing 3 or more dwelling units.

As of the effective date of this rate, the Company has assigned all existing Rate 1 customers to one of the charge classifications described above. If any of these Customers informs the Company within 6 months of this effective date that this initial classification is incorrect, the Company, upon verification, will issue, if applicable, a refund for any over-collection. If any of these customers informs the Company subsequent to this 6 month period that this initial classification is incorrect, the Company, upon verification, will place the customer in the appropriate classification but will not issue any refund.

Energy Charge.

Summer Months.

10.561¢ per kilowatthour for all kilowatthours supplied in the month.

Other Months.

7.282¢ per kilowatthour for the first 400 kilowatthours supplied in the month.

4.320¢ per kilowatthour for all kilowatthours over 400 supplied in the month.

For the purposes hereof the "summer months" shall be the Customer's first monthly billing period with an ending meter reading date on or after June 15 and the three succeeding monthly billing periods.

The fuel adjustment charge or credit provided for in Rider 20 shall apply to all kilowatthours supplied in the month.

Late Payment Charge.

The late payment charge provided for in the Terms and Conditions of this Schedule of Rates shall be applicable to all charges under this rate.

Light Bulb Service.

The above charges do not include light bulb service. The charge for such service shall be 0.174¢ per kilowatthour for the first 500 kilowatthours supplied in the month. Light bulb service is described in Rider 10 and is optional with the Customer.

Minimum Charge.

The minimum monthly charge shall be the monthly customer charge.

Term of Service.

The Customer's term of service shall commence when the Company begins to supply service hereunder and shall continue not more than ten days after notice is received to discontinue service.

Three Phase Service.

Three phase service is available under this rate. Where a three phase secondary supply is not available from the Company's distribution system adjacent to the Customer's property, the necessary primary and secondary extensions will be furnished by the Company subject to the provisions of Rider 2.

(Continued on Sheet No. 10)

***RATE 1. RESIDENTIAL SERVICE**

(Continued from Sheet No. 9)

***General.**

Service hereunder will be furnished only to a single occupancy, and where service to an apartment building is desired hereunder, each occupancy shall be treated as a separate customer; provided, however, that in apartment buildings containing six or fewer apartments, hall lights and building operating equipment, including no motor larger than one horsepower and not more than six horsepower for all motors, may be connected to the metering installation for one of the apartments, or service for such lights and equipment may be furnished under this rate to the building operator as a separate customer. In apartment buildings containing more than six apartments, the building service loads, including electric lighting, heating, air conditioning, water heating and other building operating equipment and, if the building operator so desires, the heating and air conditioning of the individual apartments, will be supplied under applicable nonresidential rates and riders.

In apartment buildings served under former Rate 14 prior to the effective date shown below, if all space heating requirements, except for garages, are supplied electrically or by a combination of electric space heating facilities and solar energy collectors, all building service requirements except water heating may continue to be furnished hereunder either through the metering installation of one of the apartments or to the building operator as a separate customer. If the operator of the building so desires, space heating and air conditioning requirements for the individual apartments, but not water heating, may be included in such building service requirements; provided however, that any building operator who, under prior provisions of former Rate 14, had taken water heating service thereunder may continue such service hereunder. The Company may, at its option, terminate such treatment of water heating service by rearranging, at its expense, the Customer's wiring and metering.

The Customer's wiring shall be arranged so that all service hereunder is supplied through a single metering installation, except that additional metering installations for service for residential purposes or for building service requirements may be provided as optional facilities in accordance with the provisions of Riders 6 and 7. If there are two or more metering installations, the kilowatthours supplied shall be determined by adding together the kilowatthours metered at each installation.

Where a residence and a business are combined in one premises, service will not be furnished hereunder for the whole premises unless the preponderant requirement is for residential purposes.

Customers served hereunder who utilize solar energy collectors for water heating purposes and/or for providing space heating through heat exchangers shall permit the Company to use special equipment to measure their loads or any part thereof, to measure the solar energy collected and to obtain any other data necessary to determine the operating characteristics of installations served hereunder, provided that the Company shall reimburse the Customer for any extra costs incurred as a result of such measurements or data collection.

The Schedule of which this rate is a part includes certain general Terms and Conditions and Riders. Service hereunder is subject to these Terms and Conditions and the Riders applicable to this rate.

***RATE 1T. RESIDENTIAL SERVICE—VOLUNTARY TIME OF DAY**

Availability.

This rate is available to residential customers with annual usage in excess of 30,000 kilowatthours. Customers may elect service under this rate by written application to the Company.

Charges.

Monthly Customer Charge.

The monthly customer charge shall be \$20.62 for Customers residing in buildings containing 1 or 2 dwelling units. This shall include, but not be limited to, structures commonly referred to as single family detached houses, single family attached houses, row houses, town houses, semi-detached houses, duplexes, two-flats, and two family houses.

The monthly customer charge shall be \$16.10 for Customers residing in buildings containing 3 or more dwelling units.

Demand Charge.

The monthly demand charge shall be \$10.41 per kilowatt multiplied by the highest maximum demand in the peak periods of any of the four summer months in the 12 months ending with the billing month.

For the purposes hereof, the "summer months" shall be the Customer's first monthly billing period with an ending meter reading date on or after June 15 and the three succeeding monthly billing periods. The "peak periods" shall be the hours of 9 a.m. to 10 p.m. on Monday through Friday, except on days on which the following holidays are generally observed: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day and, if one of the foregoing holidays occurs on a Tuesday or Thursday, the immediately preceding Monday or immediately following Friday, respectively. "Off-peak periods" shall be all other hours.

Energy Charge.

5.63¢ per kilowatthour for all kilowatthours supplied during peak periods as defined above.

3.14¢ per kilowatthour for all kilowatthours supplied during off-peak periods as defined above.

The fuel adjustment charge or credit provided for in Rider 20 shall apply to all kilowatthours supplied in the month.

Late Payment Charge.

The late payment charge provided for in the Terms and Conditions of this Schedule of Rates shall be applicable to all charges under this rate.

Light Bulb Service.

The above charges do not include light bulb service. The charge for such service shall be 0.174¢ per kilowatthour for the first 500 kilowatthours supplied in the month. Light bulb service is described in Rider 10 and is optional with the Customer.

Minimum Charge.

The minimum monthly charge shall be the monthly customer charge.

Maximum Demand.

The maximum demand shall be the highest 30-minute demand established during the peak periods in summer months.

Term of Contract.

The initial term of contract hereunder shall be 24 billing months. Upon expiration of the initial or any renewal term of contract, the Customer's contract shall be automatically renewed for a period of 12 months.

Prior to first receiving service hereunder, the Company will install a time of day meter on the Customer's premises and collect demand and energy usage data for a period of not less than one year for research purposes. During that period the Customer will continue to be billed under non-time of day rates. Service hereunder shall begin with the Customer's first summer billing month after usage data have been collected for one year and shall continue not more than ten days after written notice is received to discontinue such service, except that a Customer electing service hereunder may not discontinue such service and elect service under some other rate at the same premises until after the end of the initial term of contract or any renewal term of contract hereunder.

(Continued on Sheet No. 15)

***RATE 1T. RESIDENTIAL SERVICE—VOLUNTARY TIME OF DAY**

(Continued from Sheet No. 14)

Three Phase Service.

Three phase service is available under this rate. Where a three phase secondary supply is not available from the Company's distribution system adjacent to the Customer's property, the necessary primary and secondary extensions will be furnished by the Company subject to the provisions of Rider 2.

General.

Service hereunder will be furnished only to a single occupancy, and where service to an apartment building is desired hereunder, each occupancy shall be treated as a separate customer.

The Customer's wiring shall be arranged so that all service hereunder is supplied through a single metering installation, except that additional metering installations for service for residential purposes or for building service requirements may be provided as optional facilities in accordance with the provisions of Riders 6 and 7. If there are two or more metering installations, the kilowatthours and kilowatts of demand supplied shall be determined by adding together respectively the kilowatthours and kilowatts metered at each installation.

Where a residence and a business are combined in one premises, service will not be furnished hereunder for the whole premises unless the preponderant requirement is for residential purposes.

Customers served hereunder who utilize solar energy collectors for water heating purposes and/or for providing space heating through heat exchangers shall permit the Company to use special equipment to measure their loads or any part thereof, to measure the solar energy collected and to obtain any other data necessary to determine the operating characteristics of installations served hereunder, provided that the Company shall reimburse the Customer for any extra costs incurred as a result of such measurements or data collection.

The Schedule of which this rate is a part includes certain general Terms and Conditions and Riders. Service hereunder is subject to these Terms and Conditions and the Riders applicable to this rate.

RATE 6. GENERAL SERVICE

*Applicability.

Except as provided in Rate 6L, this rate is applicable to any commercial, industrial, or governmental customer with a maximum demand of less than 1,000 kilowatts who uses the Company's electric service hereunder for all requirements. Direct current requirements provided under another rate immediately prior to September 2, 1975, will, however, also be provided hereunder.

General Service—Time of Day.

Time of day charges shall apply to (1) any customer with a maximum demand of 500 kilowatts, but less than 1,000 kilowatts, in three of the 12 months preceding the billing month, one of which occurs during the three months preceding the billing month, (2) successors to customers served under these charges immediately prior to the date of succession whose estimated maximum demands meet the demand requirements in clause (1) above, (3) new customers whose estimated maximum demands meet the demand requirements in clause (1) above, and (4) any customer previously billed hereunder pursuant to clauses (1) or (2), except as otherwise provided below.

These charges shall not be applicable to customers or their successors with electric space heating taking service under the Heating with Light provision of Rider 25 prior to November 23, 1977, except upon written application by the Customer to the Company.

If a customer at one time was served pursuant to (1) above on General Service—Time of Day and has a maximum demand which has not exceeded 200 kilowatts in any month of the twelve month period preceding the billing month, such customer may elect, in written application to the Company, to be served on General Service. General Service—Time of Day shall not again be applicable until such customer qualifies for such rate under the requirements of General Service—Time of Day.

General Service.

General Service charges shall apply to all other customers qualifying for service under this rate.

*Charges.

General Service—Time of Day.

Monthly Customer Charge.

The monthly customer charge shall be \$17.35.

Demand Charge.

Summer Months	All Other Months
------------------	---------------------

\$10.65 \$8.33 per kilowatt for all kilowatts of maximum demand for the month.

For the purposes hereof the "summer months" shall be the Customer's first monthly billing period with an ending meter reading date on or after June 15 and the three succeeding monthly billing periods.

Energy Charge.

5.510¢ per kilowatthour for all kilowatthours supplied during peak periods.

2.700¢ per kilowatthour for all kilowatthours supplied during off-peak periods.

The fuel adjustment charge or credit provided for in Rider 20 shall apply to all kilowatthours supplied in the month.

General Service.

Monthly Customer Charge.

The monthly customer charge shall be \$6.65.

Demand Charge.

Summer Months	All Other Months
------------------	---------------------

\$10.65 \$8.33 per kilowatt for all kilowatts of maximum demand for the month.

For the purposes hereof the "summer months" shall be the Customer's first monthly billing period with an ending meter reading date on or after June 15 and the three succeeding monthly billing periods.

In accordance with the Application of Demand Charge provisions of this rate, there shall be no demand charge as such for certain small customers, but, in lieu thereof, such customers shall pay 4.956 cents per kilowatthour in summer months and 3.925 cents per kilowatthour in all other months in addition to the energy charges set forth below.

Energy Charge.

	Kilowatthours Supplied in the Month
4.809¢ per kilowatthour for the first	30,000
3.694¢ per kilowatthour for the next	470,000
3.322¢ per kilowatthour for all over	500,000

The fuel adjustment charge or credit provided for in Rider 20 shall apply to all kilowatthours supplied in the month.

(Continued on Sheet No. 25)

RATE 6. GENERAL SERVICE

(Continued from Sheet No. 24)

Late Payment Charge.

The late payment charge provided for in the Terms and Conditions of this Schedule of Rates shall be applicable to all charges under this rate.

Minimum Charge.

The minimum monthly charge shall be the monthly customer charge.

Maximum Charge.

For customers with demand meters, the average cost of electricity hereunder in any month, exclusive of the Monthly Customer Charge, shall not exceed the sum of 18.319 cents and the fuel adjustment per kilowatthour provided, however, that such guaranteed charge shall not operate to reduce the Customer's bill to an amount less than the minimum charge.

*Maximum Demand.

For General Service—Time of Day customers, the maximum demand in any month shall be the highest 30-minute demand established during the peak periods in such month.

For General Service customers, the maximum demand shall be the highest 30-minute demand established during such month.

Application of Demand Charge.

The Company shall provide a demand meter and the demand charge shall apply when a customer's monthly kilowatthour use exceeds 2,000 kilowatthours in each of two successive monthly billing periods or if his maximum demand or monthly kilowatthour use is estimated as in excess of ten kilowatts or 2,000 kilowatthours, respectively. Any customer to whom the demand charge would not ordinarily apply under the foregoing sentence, may, at his request and upon payment of appropriate meter rentals, be provided with a demand meter and billed the demand charge rather than the charge in lieu thereof. In such case, meter rentals shall be payable for the period during which the Customer elects to retain the meter, but not less than 12 months, unless he becomes entitled to a demand meter prior to the end of the 12-month period. A customer who is entitled to a demand meter shall not be required to pay rental or other separate charges for such meter.

Whether or not a demand meter is installed, the charge in lieu of demand charge shall apply to any customer, except a customer paying rental for a demand meter in accordance with the foregoing paragraph, whose use has not exceeded 2,000 kilowatthours and whose maximum demand has not exceeded ten kilowatts in any month of the preceding 16-month period, and shall continue to apply until the Customer's use exceeds 2,000 kilowatthours in two successive monthly billing periods or his demand exceeds ten kilowatts in two successive monthly billing periods.

*Measurement of Demand and Kilowatthours Supplied.

Where two or more metering installations are provided on the Customer's premises, the demand in any 30-minute period shall be determined by adding together the separate demands at each metering installation during such 30-minute period except that (a) in case the demand at any metering installation is registered by an indicating or cumulative demand meter, the demand at such installation in each 30-minute period of any month shall be assumed to be the same as the highest demand in any 30-minute period of such month, and (b) the demand at any installation may be assumed to be 75 percent of the connected load if such connected load is two kilowatts or less, and such demand is to be added to a metered demand. Where there are two or more watt-hour metering installations on the Customer's premises, the kilowatthours supplied shall be determined by adding together the kilowatthours metered at each installation, provided that where the kilowatthours at any such installation exceed 5,500 in the billing month and are not metered in such a manner as to permit determination of the hours during which they were delivered, for purposes of applying the time of day provisions of this rate, such kilowatthours shall be considered to have been delivered in peak periods. If the energy use at such installation is 5,500 kilowatthours or less in the billing month, a charge of 3.787¢ per kilowatthour shall apply to such kilowatthours. The maximum demands and kilowatthours supplied for two or more premises will not be combined for billing purposes hereunder.

Upon request, the Company will provide unmetered service for connected loads not exceeding two kilowatts, where operation of the Customer's equipment is continuous or is regularly scheduled on an annual basis. For the purposes of billing in such cases, the monthly kilowatthours shall be determined by multiplying the rated wattage (based upon nameplate or other appropriate data) of the connected loads by one-twelfth of the annual hours of operation and dividing by 1,000. All kilowatthours delivered to an unmetered point of supply shall be considered to have been delivered during peak periods.

(Continued on Sheet No. 26)

RATE 6. GENERAL SERVICE

(Continued from Sheet No. 25)

In the case of qualifying cable antenna television service locations, kilowatt-hour usage for billing purposes will initially be based upon 50% of the nameplate rating of the CATV power transformers directly connected to the Company's system; the monthly kilowatt-hours may also be determined by test at the Company's option or upon request of the Customer. Tests must be conducted by or on behalf of the Company within 60 days of the Customer's request. Kilowatt-hour use determined by test will be used prospectively only, will apply beginning with the billing period following the test and will continue until changed by further test or other appropriate data. The Customer shall pay the Company's charge for any test done at its request, unless the test discloses fewer monthly kilowatt-hours than are being used for billing. In any event, the Company shall be entitled to test kilowatt-hour usage at the Customer's expense once each year at each service location. The Company's charge for a test shall not exceed \$60.00. Notwithstanding other provisions of this rate, the charge in lieu of demand charge shall not apply, and instead a charge equal to the weighted average of the summer and winter demand charges per kilowatt divided by one-twelfth of the annual hours of operation of the load shall be applied to the unmetered monthly kilowatt-hours as above determined.

Adjustment of Demands.

In case the Customer, as a result of seasonal or vacation variations in load, has an abrupt decrease of at least 50% in his maximum demand during the months of June through September, he will be entitled to the proration of demand charges in the billing period in which such decrease occurs, and if, in the same calendar year, he has a subsequent abrupt increase of at least 100% in maximum demand during such months, he will be entitled to the proration of demand charges in the billing period in which such increase occurs, provided that (1) a period of reduced demand continues for at least seven consecutive days immediately following the demand reduction for which proration is sought, and for at least seven consecutive days immediately preceding the demand increase for which proration is sought, (2) demands registered by an indicating or cumulative demand meter shall not be subject to such proration, (3) such proration will be granted only upon written request by the Customer stipulating the date of such decrease or increase and received by the Company in advance of such date, and (4) that proration will be granted for only one such decrease and subsequent increase in each calendar year.

*Service Facilities—Time of Day.

A standard installation furnished by the Company hereunder shall be determined by the provisions of the Company's Rider 6 except that the facilities so provided as standard shall be adequate only to supply service to a load equal to the maximum 30-minute demand of the Customer established during the peak period. If larger facilities are required to serve the excess of the off-peak demand over the peak period demand, the Customer shall pay, as optional facilities in accordance with the Company's Rider 6, the cost of any facilities so required. No optional facilities charges shall apply, however, to facilities existing and in place at the time the Customer qualifies for service hereunder.

*Optional General Service—Time of Day.

Customers with maximum demands of less than 500 kilowatts may elect to be billed in accordance with the provisions of General Service—Time of Day. Any customer may elect Time of Day service by written application to the Company. Initial contract will be for a 12 month period.

(Continued on Sheet No. 27)

RATE 6. GENERAL SERVICE

(Continued from Sheet No. 26)

Term of Contract.

For customers first receiving service hereunder, the initial term of contract shall be 24 months. Upon expiration of the initial or any renewal term of contract hereunder, the Customer's contract shall be automatically renewed for a period of 12 months.

A new contract, with an initial term of 24 months, shall be required whenever the Company is called upon to provide additional or different facilities to serve a demand greater than that specified in the Customer's then effective contract, and the term of such new contract shall commence at the beginning of the month next following the date when the facilities installed to serve the increased demand become available for service.

The Customer shall have the right to terminate his contract and discontinue service from the Company at any time on 30 days' written notice to the Company; provided, however, that in the event of such termination all amounts due the Company shall forthwith be paid.

*General.

Peak periods, for purposes hereof, shall be the hours of 9 a.m. to 10 p.m. on Monday through Friday, except on days on which the following holidays are generally observed: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day and, if one of the foregoing holidays occurs on a Tuesday or Thursday, the immediately preceding Monday or immediately following Friday, respectively.

Nothing in this rate shall be deemed to preclude a residential occupancy on the Customer's property from being served as a separate customer on a residential rate.

The Schedule of which this rate is a part includes certain general Terms and Conditions and Riders. Service hereunder is subject to these Terms and Conditions and the Riders applicable to this rate.

RATE 6L. LARGE GENERAL SERVICE

*Applicability.

This rate is applicable to (1) any commercial, industrial, or governmental customer with a maximum demand of 1,000 kilowatts or more in three of the 12 months preceding the billing month, (2) successors to customers served under these charges immediately prior to the date of succession whose estimated maximum demands meet the demand requirements in clause (1) above, (3) new customers whose estimated maximum demands meet the demand requirements in clause (1) above, and (4) any customer previously billed hereunder pursuant to clauses (1) or (2), except as otherwise provided below.

If a customer at one time was served pursuant to (1) above on Large General Service—Time of Day and has a maximum demand which has not exceeded 200 kilowatts in any month of the twelve month period preceding the billing month, such customer may elect, in written application to the Company, to be served on Rate 6, General Service. Rate 6L, Large General Service—Time of Day, shall not again be applicable until such customer qualifies for such rate under clause (1) above.

The Large General Service—Time of Day charges of this rate shall not be applicable to customers or their successors with electric space heating taking service under the Heating with Light provisions of Rider 25 prior to November 23, 1977, except upon written application by the Customer to the Company. Except as stated above, the Large General Service charges shall apply to these customers.

*Charges.

Large General Service—Time of Day.

Monthly Customer Charge.

The monthly customer charge shall be \$484.60.

Demand Charge.

Summer Months	All Other Months		Kilowatts of Maximum Demand for the Month
\$10.65	\$8.33	per kilowatt for the first	10,000
5.60	4.36	per kilowatt for all over	10,000

For the purposes hereof the "summer months" shall be the Customer's first monthly billing period with an ending meter reading date on or after June 15 and the three succeeding monthly billing periods.

Energy Charge.

5.510¢ per kilowatthour for all kilowatthours supplied during peak periods.

2.700¢ per kilowatthour for all kilowatthours supplied during off-peak periods.

The fuel adjustment charge or credit provided for in Rider 20 shall apply to all kilowatthours supplied in the month.

Large General Service.

Monthly Customer Charge.

The monthly customer charge shall be \$484.60.

Demand Charge.

Summer Months	All other Months	
\$10.65	\$8.33	per kilowatt for all kilowatts of maximum demand for the month.

For the purposes hereof, the "summer months" shall be the Customers first monthly billing period with an ending meter reading date on or after June 15 and the three succeeding monthly billing periods.

Energy Charge.

	Kilowatthours Supplied in the Month
4.809¢ per kilowatthour for the first	30,000
3.694¢ per kilowatthour for the next	470,000
3.322¢ per kilowatthour for all over	500,000

The fuel adjustment charge or credit provided for in Rider 20 shall apply to all kilowatthours supplied in the month.

(Continued on Sheet No. 29)

RATE 6L. LARGE GENERAL SERVICE

(Continued from Sheet No. 28)

Late Payment Charge.

The late payment charge provided for in the Terms and Conditions of this Schedule of Rates shall be applicable to all charges under this rate.

Minimum Charge.

The minimum monthly charge shall be the monthly customer charge.

Maximum Charge.

The average cost of electricity hereunder in any month, exclusive of the Monthly Customer Charge, shall not exceed the sum of 18.319 cents and the fuel adjustment per kilowatthour provided, however, that such guaranteed charge shall not operate to reduce the Customer's bill to an amount less than the minimum charge.

Maximum Demand.

The maximum demand in any month shall be the highest 30-minute demand established during the peak periods in such month except that, for customers with 30-minute demands exceeding 1,500 kilowatts in three of the 12 months preceding the billing month, the maximum demand shall be the average of the three highest 30-minute demands established during the peak periods in such month, not more than one such demand to be selected from any one day.

Measurement of Demand and Kilowatthours Supplied.

Where two or more metering installations are provided on the Customer's premises, the demand in any 30-minute period shall be determined by adding together the separate demands at each metering installation during such 30-minute period except that (a) in case the demand at any metering installation is registered by an indicating or cumulative demand meter, the demand at such installation in each 30-minute period of any month shall be assumed to be the same as the highest demand in any 30-minute period of such month, and (b) the demand at any installation may be assumed to be 75 percent of the connected load if such connected load is two kilowatts or less, and such demand is to be added to a metered demand. Where there are two or more wathour metering installations, the kilowatthours supplied shall be determined by adding together the kilowatthours metered at each installation, provided that where the kilowatthours at any such installation exceed 5,500 in the billing month and are not metered in such a manner as to permit determination of the hours during which they were delivered, for purposes of applying the time-of-day provisions of this rate, such kilowatthours shall be considered to have been delivered in peak periods. If the energy use at such installation is 5,500 kilowatthours or less in the billing month, a charge of 3.787¢ per kilowatthour shall apply to such kilowatthours. The maximum demands and kilowatthours supplied for two or more premises will not be combined for billing purposes hereunder.

Upon request, the Company will provide unmetered service for connected loads not exceeding two kilowatts where operation of the Customer's equipment is continuous or is regularly scheduled on an annual basis. For the purposes of billing in such cases, the monthly kilowatthours shall be determined by multiplying the rated wattage (based upon nameplate or other appropriate data) of connected loads by one-twelfth of the annual hours of operation and dividing by 1,000. All kilowatthours delivered to an unmetered point of supply shall be considered to have been delivered during peak periods.

Service Facilities.

A standard installation furnished by the Company hereunder shall be determined by the provisions of the Company's Rider 6 except that the facilities so provided as standard shall be adequate only to supply service to a load equal to the maximum 30-minute demand of the Customer established during the on-peak period. If larger facilities are required to serve the excess of the off-peak demand over the on-peak demand, the Customer shall pay, as optional facilities in accordance with the Company's Rider 6, the cost of any facilities so required. However, no optional facilities charges shall apply to facilities existing and in place at the time the Customer qualifies for service hereunder.

(Continued on Sheet No. 30)

RATE 6L. LARGE GENERAL SERVICE

(Continued from Sheet No. 29)

* Adjustment of Demands.

In case the Customer, as a result of seasonal or vacation variations in load, has an abrupt decrease of at least 50% in his maximum demand during the months of June through September, he will be entitled to the proration of demand charges in the billing period in which such decrease occurs, and if, in the same calendar year, he has a subsequent abrupt increase of at least 100% in maximum demand during such months, he will be entitled to the proration of demand charges in the billing period in which such increase occurs, provided that (1) a period of reduced demand continues for at least seven consecutive days immediately following the demand reduction for which proration is sought, and for at least seven consecutive days immediately preceding the demand increase for which proration is sought, (2) demands registered by an indicating or cumulative demand meter shall not be subject to such proration, (3) such proration will be granted only upon written request by the Customer stipulating the date of such decrease or increase and received by the Company in advance of such date, and (4) that proration will be granted for only one such decrease and subsequent increase in each calendar year.

Term of Contract.

For customers first receiving service hereunder, the initial term of contract shall be 24 months. Upon expiration of the initial or any renewal term of contract hereunder, the Customer's contract shall be automatically renewed for a period of 12 months. For customers receiving service under Rate 6 immediately prior to service hereunder, the unexpired term of contract under Rate 6 shall be the unexpired term hereunder.

A new contract, with an initial term of 24 months, shall be required whenever the Company is called upon to provide additional or different facilities to serve a demand greater than that specified in the Customer's then effective contract, and the term of such new contract shall commence at the beginning of the month next following the date when the facilities installed to serve the increased demand become available for service.

The Customer shall have the right to terminate his contract and discontinue service from the Company at any time on 30 days' written notice to the Company; provided, however, that in the event of such termination all amounts due the Company shall forthwith be paid.

General.

Nothing in this rate shall be deemed to preclude a residential occupancy on the Customer's property from being served as a separate customer on a residential rate.

Peak periods, for purposes hereof, shall be the hours of 9:00 a.m. to 10:00 p.m. on Monday through Friday, except on days on which the following holidays are generally observed: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day and, if one of the foregoing holidays occurs on a Tuesday or Thursday, the immediately preceding Monday or immediately following Friday, respectively. Off-peak periods shall be all other hours.

The Schedule of which this rate is a part includes certain general Terms and Conditions and Riders. Service hereunder is subject to these Terms and Conditions and the Riders applicable to this rate.

RIDER 26
INTERRUPTIBLE SERVICE
Applicable to Rates 6 and 6L

***Availability.**

This Rider is available for separately metered interruptible load to (1) customers being served hereunder prior to July 18, 1984 at the premises so served on such date, and (2) customers for whom Rider 26 contracts had been executed prior to such date and who will have commenced interruptible service no later than October 1, 1984. This Rider shall not again be available to customers discontinuing service hereunder.

A customer with electric furnace load to which Rider 17 (Electric Furnace Interruptible Service) would ordinarily apply may, notwithstanding the applicability provisions of Rider 17, elect to take service under this rider in lieu of Rider 17.

Charges.

Monthly Customer Charge.

The monthly customer charge shall be \$96.92.

Facilities Charge.

\$0.97 per kilowatt for all kilowatts of maximum demand for the month.

Demand Charge.

	Kilowatts of Maximum Demand for the Month
\$2.32 per kilowatt for the first	10,000
0.50 per kilowatt for all over	10,000

Energy Charge.

5.510¢ per kilowatthour for all kilowatthours supplied during peak periods.

2.700¢ per kilowatthour for all kilowatthours supplied during off-peak periods.

The fuel adjustment charge or credit provided for in Rider 20 shall apply to all kilowatthours supplied in the month.

The charges stated above shall apply to loads served hereunder in lieu of the charges of the rate to which this rider applies.

Late Payment Charge.

The late payment charge provision of the applicable rate shall apply to charges hereunder.

Maximum Demand.

For purposes of billing under this rider, the maximum demand provision of the applicable rate shall apply.

Period of Interruption.

The Company will be entitled to interrupt service at any time upon ten minutes' notice and for any reason, including shortages of available capacity on the Company's system or to avoid serving interruptible load from high cost generation or third-party sources. Such interruptions shall not occur on more than 30 occasions per year. No such interruption shall exceed 12 hours in duration, nor shall there be more than one interruption on any single calendar day, and there shall be at least eight hours between interruptions. Total interruptions shall not exceed 300 hours in the twelve-month period beginning with June 1 of each year.

Monthly Minimum Charge.

The monthly minimum charge for service under this rider shall be the Customer Charge plus the product of \$4.85 times the highest billing demand established hereunder during the preceding 12 months, including the billing month. For purposes

(Continued on Sheet No. 93)

RIDER 26
INTERRUPTIBLE SERVICE

(Continued from Sheet No. 92)

of determining the additional amount, if any, to be charged by application of this provision, the Customer shall be given credit for any excess in the 11 months preceding the billing month of his total payments for service under this rider over the total of monthly minimum charges for such months computed in accordance with the preceding sentence. In addition, for purposes hereof, the highest billing demand established during the preceding 12 months shall be reduced by the estimated contribution to that demand of any loads served hereunder but subsequently transferred to service under a firm rate of the Company.

Special Service Conditions.

Wiring of the Customer's interruptible load must be arranged to provide for separate metering of the load, and to preclude the provision thereto of firm service under any rate and the use of such firm service, during interruption of supply hereunder, as an alternate source of supply to the interruptible load. Service will not be provided hereunder if the Customer uses the Company's firm service to supply facilities used primarily as standby or backup for facilities served hereunder.

The Customer shall provide a circuit breaker capable of interrupting the load served hereunder through remote control by the Company. The Company will furnish and the Customer shall install the equipment to provide remote control of the breaker at a location approved by the Company. The Customer shall furnish and install the material to connect the control equipment, and shall supply the electric power necessary to operate it.

***Limitations on Transfers of Load**

Any customer who transfers load served hereunder to a firm service rate or to Rider 17 may not transfer such load back to this rider. A transfer of load to this rider from a rate or rider under which the Customer is subject to a minimum demand charge shall not affect the Customer's obligation under the minimum demand charge provisions of that rate or rider.

***General**

Peak periods, for purposes hereof, shall be the hours of 9:00 a.m. to 10:00 p.m. on Monday through Friday, except on days on which the following holidays are generally observed: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day and, if one of the foregoing holidays occurs on a Tuesday or Thursday, the immediately preceding Monday or immediately following Friday, respectively. Off-peak periods shall be all other hours.

Any customer who has signed an agreement for service under Rider 26 in effect prior to December 7, 1982 shall have the option of paying the optional facilities charges provided therein in lieu of the facilities charge provided herein. Notwithstanding election of such option, any customer later requiring an enlargement of Company facilities necessary to serve interruptible load hereunder shall thereafter be billed the facilities charge.

The Company shall not be liable for any damage or injury resulting from the intentional or unintentional interruption of load served hereunder.

Except as specified above, all other provisions of the rate shall apply.