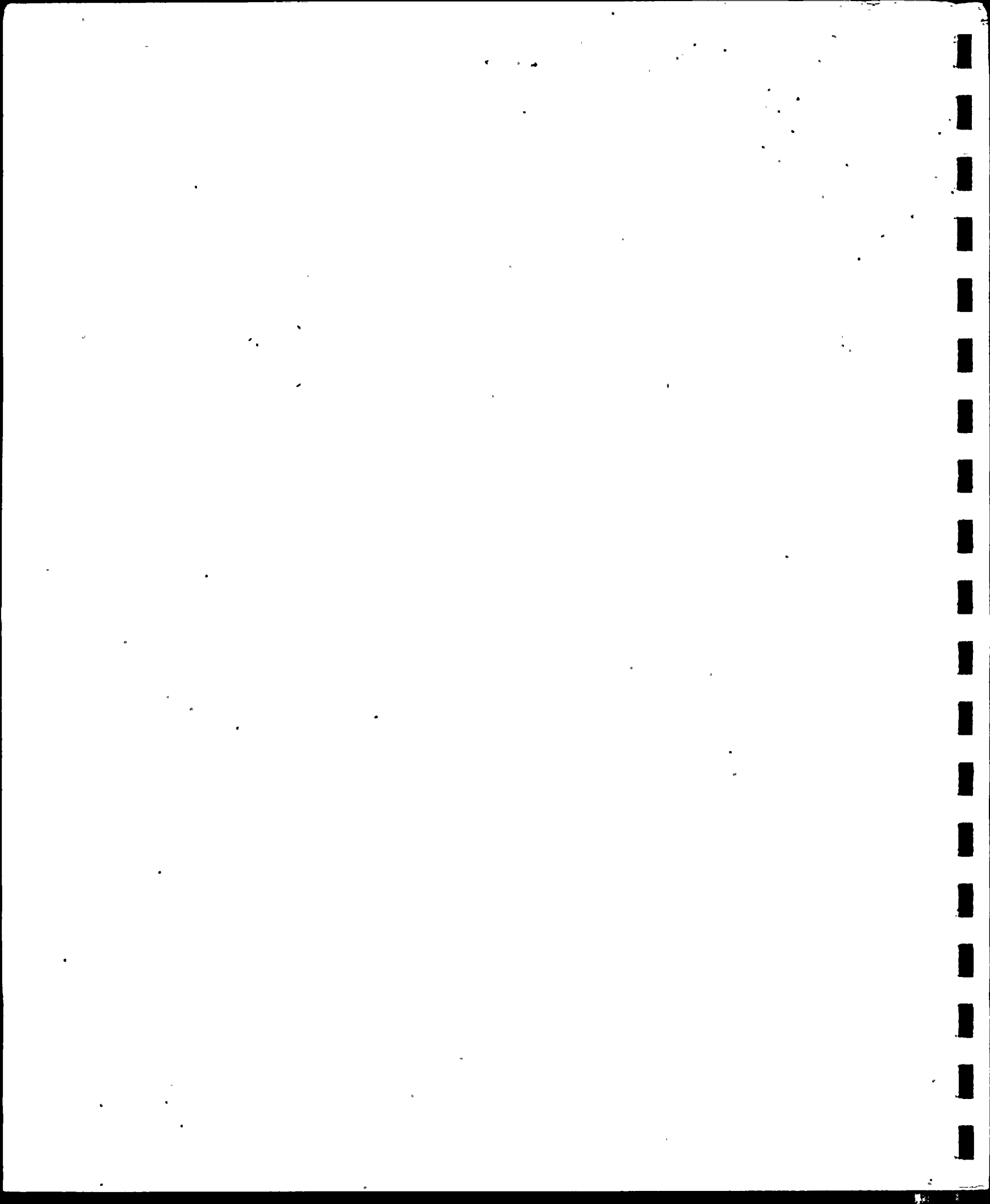


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NINE MILE POINT
NUCLEAR STATION
UNIT 2

INFORMATION REQUESTED
BY THE ATTORNEY GENERAL
FOR ANTITRUST REVIEW

NIAGARA MOHAWK TO THE CORPORATION
STRUCTURE



Regulatory

File Cy.

Received w/ Lic Coll: 6-15-72

50 - 410

NIAGARA MOHAWK POWER CORPORATION'S

RESPONSE TO

DEPARTMENT OF JUSTICE QUESTIONS

TO UTILITIES

APPLYING FOR LICENSE

UNDER

SECTION 103 OF THE ATOMIC ENERGY ACT

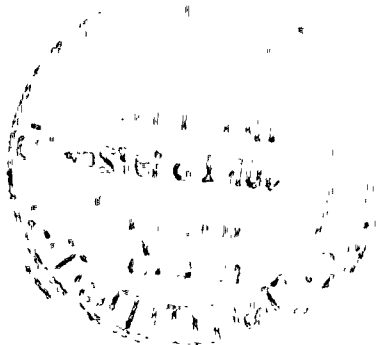
OF 1954, AS AMENDED

AND APPLICABLE TO

NINE MILE POINT NUCLEAR STATION UNIT NO. 2



3272



QUESTION 1

"State separately for hydroelectric and thermal generating resources applicant's most recent peak load and dependable capacity for the same time period. State applicant's dependable capacity at time of system peak for each of the next ten years for which information is available. Identify each new unit or resource. For hydroelectric generating capacity, indicate the number of kilowatt hours of use associated with each kilowatt of capacity during the 'adverse water year' upon which dependable capacity is based. Indicate average annual kilowatt hour loads per kilowatt, associated with each system peak shown (exclusive of interchange arrangements.)"

Applicant's most recent all-time peak load occurred on December 22, 1970. The peak load on that date was 4,614,000 kilowatts. Applicant's peak load in recent year was 4,551,000 kilowatts which occurred on December 20, 1971. Actual generation and dependable capacities on both these dates are shown in Table 1 below:

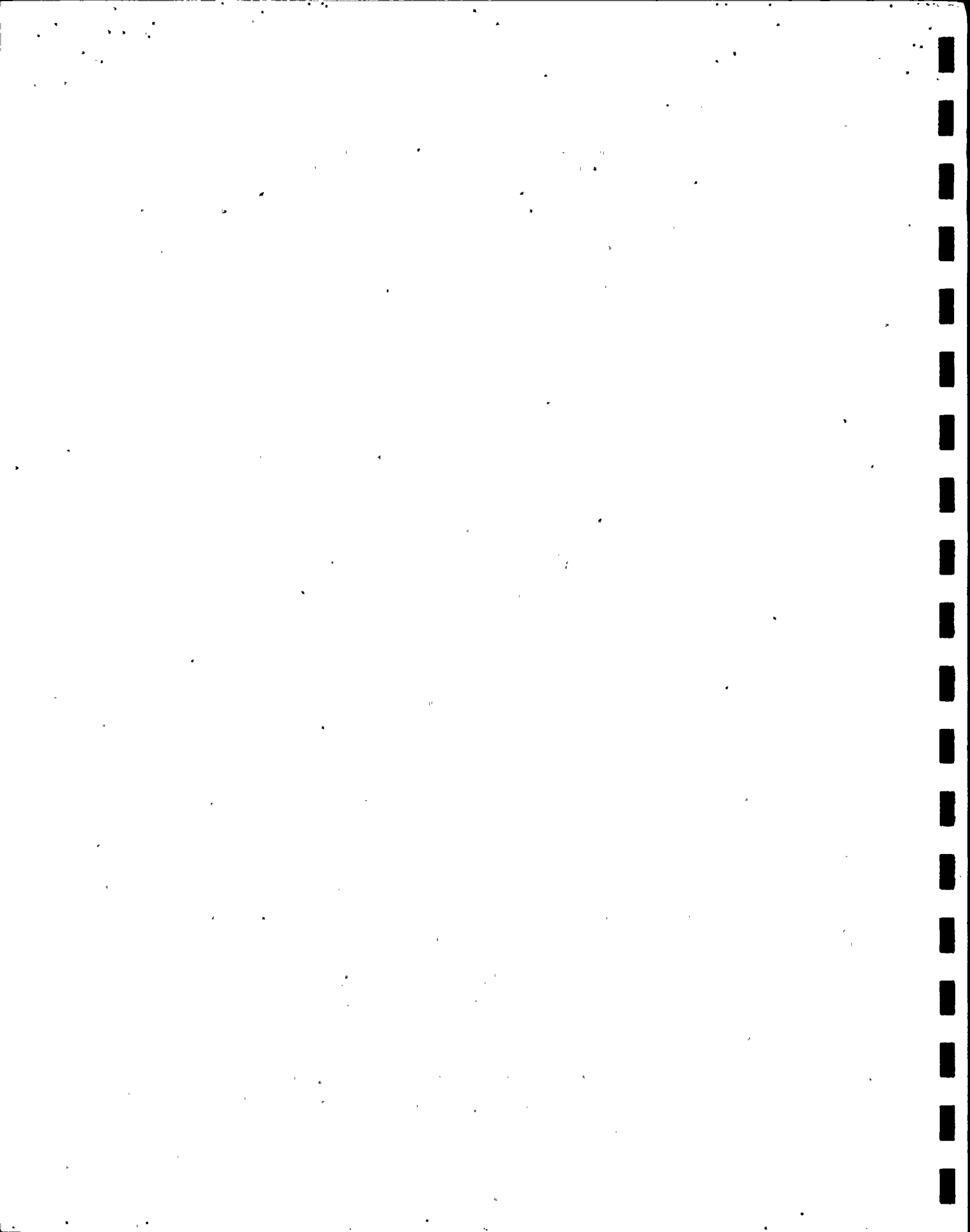
TABLE 1
NIAGARA MOHAWK POWER CORPORATION
Peak Load and Dependable Capacities
(Kilowatts)

| | <u>1970</u> | | <u>1971</u> | |
|--|--|---|--|---|
| | Actual Generation at Hr. of Above Peak | Dependable Capacity at Time of Above Peak | Actual Generation at Hr. of Above Peak | Dependable Capacity at Time of Above Peak |
| Annual Peak Loads | 4,614,000 KW ^{1/} | | 4,551,000 KW ^{2/} | |
| <u>Applicants Resources</u> | | | | |
| Owned & leased hydro-electric capacity | 522,000 | 569,000 ^{3/} | 467,000 | 574,000 ^{3/} |
| Owned thermal electric capacity | 2,617,000 | 3,176,000 | 2,387,000 | 3,376,000 |
| Purchased capacity | <u>1,475,000</u> | <u>1,663,000</u> | <u>1,697,000</u> | <u>1,724,000</u> |
| Total capacity | 4,614,000 | 5,408,000 | 4,551,000 | 5,674,000 |

1/ Applicants most recent all-time peak load; occurred on December 22, 1970.

2/ Applicants peak load during recent year occurred on December 20, 1971.

3/ Adverse water year dependable capacity.

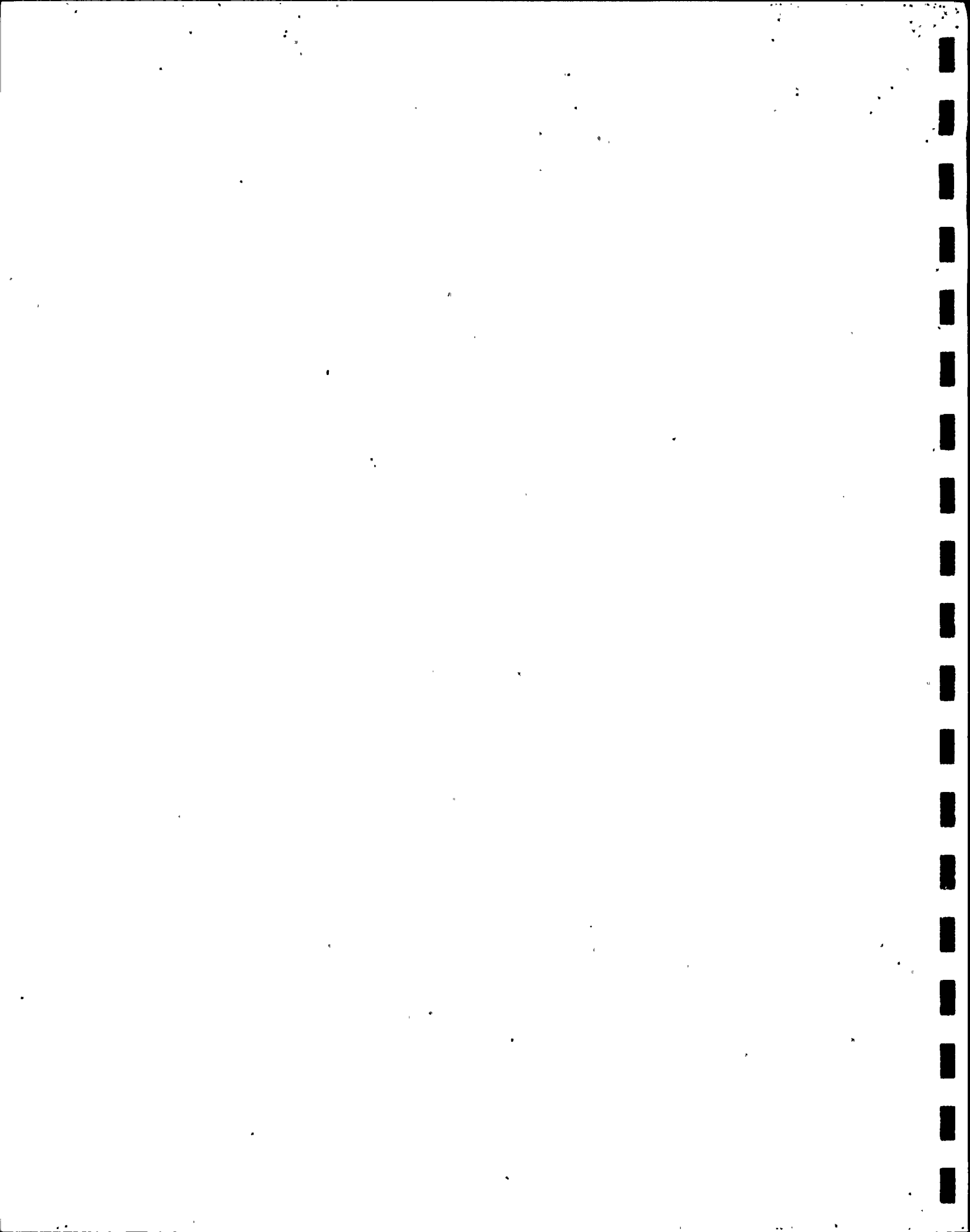


The Applicant's plans for dependable capacity at the time of the system peak for each of the next ten years and identity of each new unit and resource are shown in Table 2 below:

TABLE 2
NIAGARA MOHAWK POWER CORPORATION
Plans for Dependable Capacity
1972 through 1981
All Values in Thousands of Kilowatts

| | <u>1971</u> | <u>1972</u> | <u>1973</u> | <u>1974</u> | <u>1975</u> | <u>1976</u> |
|--|-------------------|--------------------|------------------|------------------|--------------------|-------------|
| Owned & Leased Cap'y. | 3,950 | 3,950 | 4,190 | 4,430 | 5,305 | 5,305 |
| New Capacity | - | 240 ^a | 240 ^b | 875 ^c | - | - |
| Sub. Total | 3,950 | 4,190 | 4,430 | 5,305 | 5,305 | 5,305 |
| Net Purchases | 1,724 | 1,944 | 2,257 | 2,244 | 2,181 | 2,118 |
| Total Dependable Cap'y. at Time of System Peak | 5,674 | 6,134 | 6,687 | 7,549 | 7,486 | 7,423 |
| | <u>1977</u> | <u>1978</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | |
| Owned & Leased Cap'y. | 5,305 | 5,185 | 6,285 | 6,285 | 6,285 | |
| New Capacity | -120 ^d | 1,100 ^e | - | - | 1,100 ^f | |
| Sub. Total | 5,185 | 6,285 | 6,285 | 6,285 | 7,385 | |
| Net Purchases | 2,054 | 1,990 | 1,975 | 1,955 | 1,940 | |
| Total Dependable Cap'y. at Time of System Peak | 7,239 | 8,275 | 8,260 | 8,240 | 9,325 | |

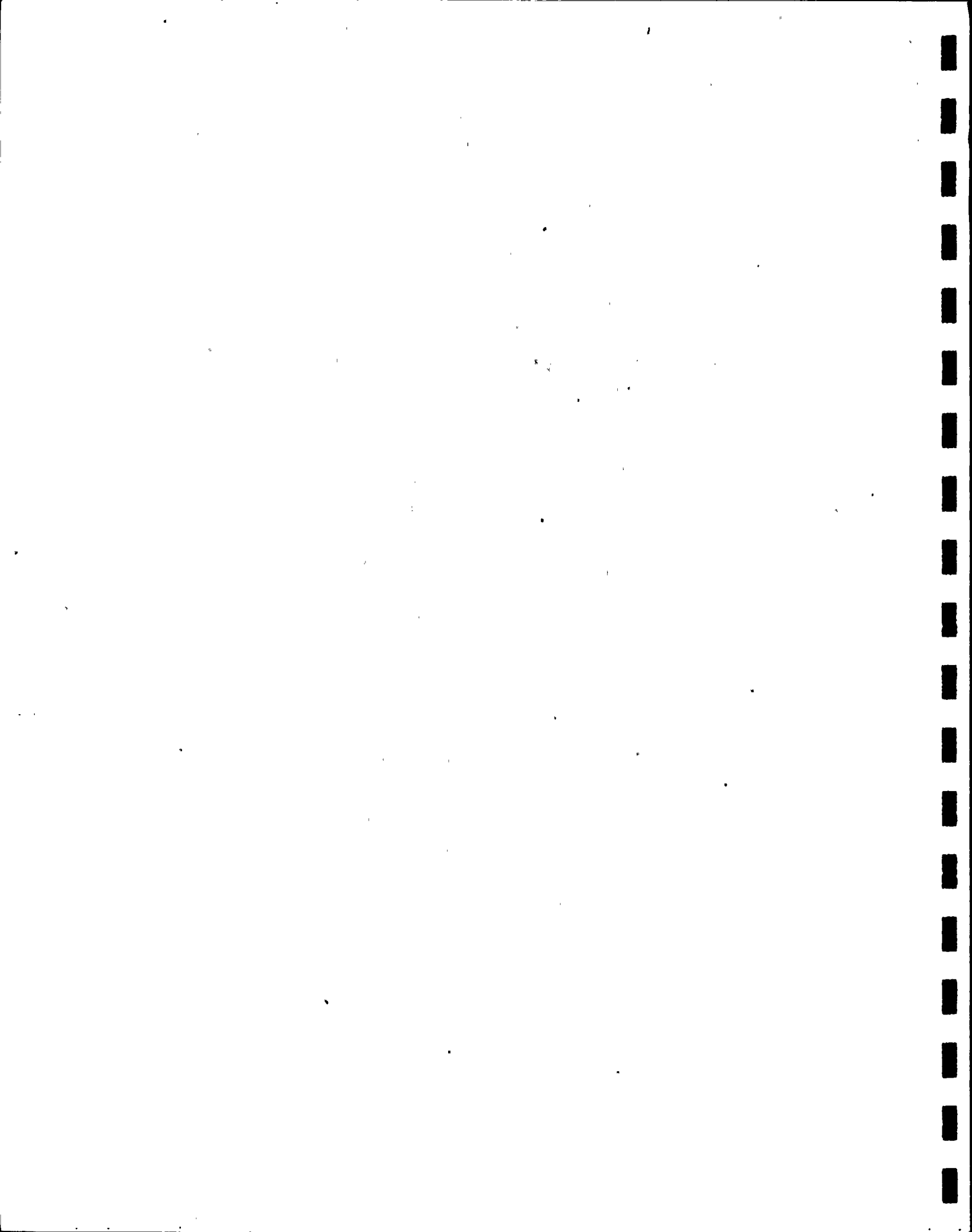
- (a) 1972-Applicant's share of jointly owned Roseton No. 1 Unit.
- (b) 1973-Applicant's share of jointly owned Roseton No. 2 Unit.
- (c) 1974-Oswego No. 5 oil-fired unit.
- (d) 1977-Reduction in Applicant's share of Roseton plant capacity.
- (e) 1978-Nine Mile Point No. 2 nuclear-fired unit.
- (f) 1981-Undesignated nuclear-fired unit.



The number of kilowatt-hours use associated with each kilowatt of adverse water-year hydro capacity and the average annual kilowatt-hour loads per kilowatt associated with each system peak (exclusive of interchange arrangements) are shown in Table 3 below:

TABLE 3
NIAGARA MOHAWK POWER CORPORATION
Kilowatt-Hours of use associated with each Kilowatt of Hydro
Capacity and Average Annual Kilowatthour
Loads per Kilowatt associated with each Annual System Peak

| <u>Year</u> | <u>Annual KWH Use per KW of Adverse Water Year Hydro Dep. Cap'y.</u> | <u>Annual System Peaks (KW)</u> | <u>Average Annual KWH Load per KW Associated With System Peaks</u> |
|-------------|--|---|--|
| 1971 | 3,500 | 4,551,000 | 6,053 |
| 1972 | ↓ | 4,910,000 | 5,947 |
| 1973 | | 5,300,000 | 5,849 |
| 1974 | | 5,620,000 | 5,854 |
| 1975 | | 5,855,000 | 5,875 |
| 1976 | | 6,105,000 | 5,880 |
| 1977 | | 6,365,000 | 5,876 |
| 1978 | | 6,635,000 | 5,863 |
| 1979 | | 6,905,000 | 5,865 |
| 1980 | | 7,200,000 | 5,889 |
| 1981 | | 7,500,000 | 5,893 |



QUESTION 2

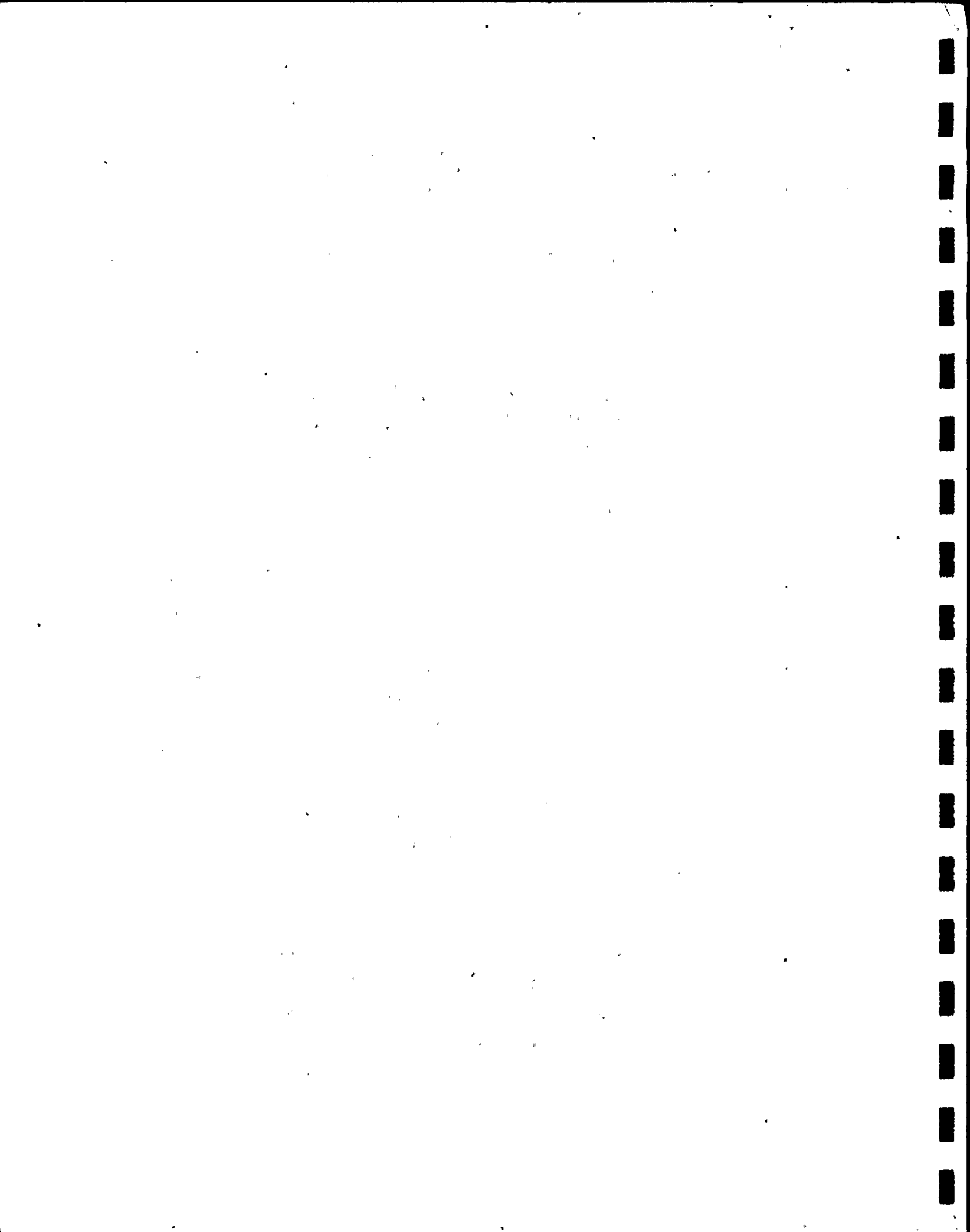
"State applicant's estimated annual load growth for each of the next 20 years or for the period applicant utilizes in system planning. Indicate growth both in kilowatt requirements and kilowatt hour requirements."

The Applicant's estimated load growth for each of the next ten years is shown on Table 4 below: The Applicant utilizes a 10-year period in system planning.

TABLE 4
NIAGARA MOHAWK POWER CORPORATION
Estimated Annual Kilowatt and Kilowatthour Growth
for each of the next ten years

| <u>Year</u> | <u>Kilowatts</u> | <u>Kilowatthours</u> |
|-------------------|------------------|----------------------|
| 1972 | 359,000* | 1,655,000,000* |
| 1973 | 390,000* | 1,800,000,000* |
| 1974 | 320,000* | 1,900,000,000* |
| 1975 | 235,000 | 1,500,000,000 |
| 1976 | 250,000 | 1,500,000,000 |
| 1977 | 260,000 | 1,500,000,000 |
| 1978 | 270,000 | 1,500,000,000 |
| 1979 | 270,000 | 1,600,000,000 |
| 1980 | 295,000 | 1,800,000,000 |
| 1981 | 300,000 | 1,800,000,000 |
| Ten Year Increase | 2,949,000 | 16,555,000,000 |

(*). Includes expected recovery in industrial activity from low level of 1971.
Note: Applicant's maximum demand in 1971 was 4,551,000 kilowatts. This occurred on December 20. Applicant's energy requirement in 1971 was 27,545,000,000 kilowatthours.



QUESTION 3

"State estimated annual load growth in kilowatts and kilowatt hours of companies or pools upon which the economic justification of the subject unit is based for each of the next 20 years or for the period applicant utilized in system planning. Identify each company or pool member."

The Applicant utilizes a 10-year period in system planning. While construction of the subject unit is economically justified by the Applicant's own internal requirements (as shown by its load growth projection on Table 4, page 4) its construction also is in accord with the overall plans for provision of capacity within the New York Power Pool, of which it is a member. Annual load growth for this pool is shown on Table 5 below. The membership roster of the pool is noted on this table also. The Applicant supplies bulk power to four municipalities listed in Table 7, page 12 supplied in the answer to Question 10. These municipalities are the Villages of Brocton, Green Island, Holley and Richmondville. It does not supply power on a firm basis to any investor-owned company. The load requirements of the municipalities noted above are not of sufficient magnitude to influence the planning of Applicant's system generating capacity.

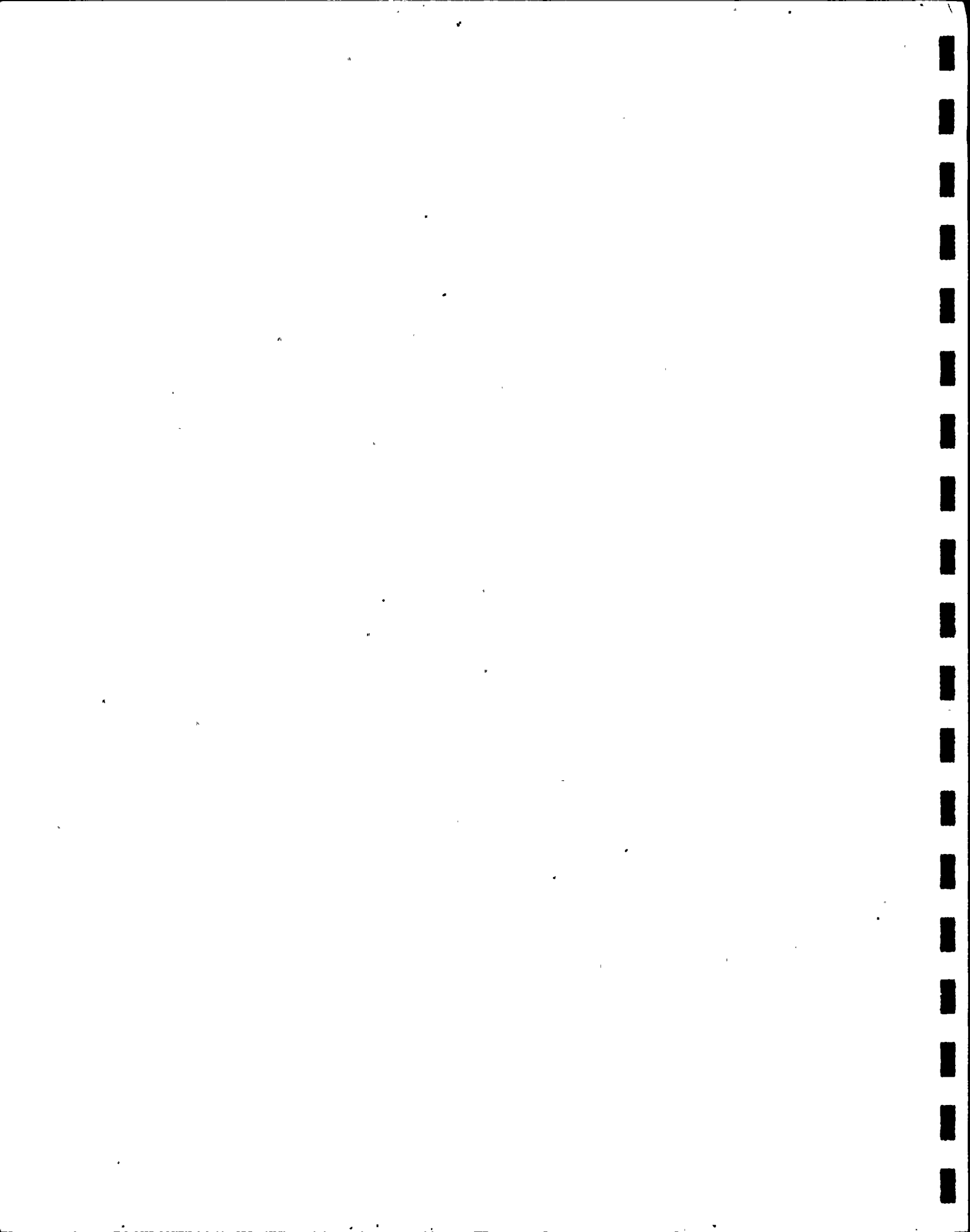
TABLE 5
NEW YORK POWER POOL^{1/}

Estimated 10-Year Annual Kilowatts and Kilowatthour Growth

| <u>Year</u> | <u>Kilowatts</u> | <u>Kilowatthour</u> |
|-------------------|------------------|---------------------|
| 1972 | 1,886,000 | 6,796,000,000 |
| 1973 | 1,214,000 | 6,489,000,000 |
| 1974 | 1,285,000 | 7,188,000,000 |
| 1975 | 1,304,000 | 7,252,000,000 |
| 1976 | 1,335,000 | 7,816,000,000 |
| 1977 | 1,414,000 | 7,627,000,000 |
| 1978 | 1,483,000 | 8,214,000,000 |
| 1979 | 1,462,000 | 8,255,000,000 |
| 1980 | 1,542,000 | 8,980,000,000 |
| 1981 | 1,642,000 | 9,137,000,000 |
| Ten Year Increase | 14,567,000 | 77,754,000,000 |

^{1/} New York Power Pool Members are Central Hudson Gas and Electric Corporation, Consolidated Edison Company of New York, Incorporated, Long Island Lighting Company, New York State Electric and Gas Corporation, Niagara Mohawk Power Corporation, Orange and Rockland Utilities Incorporated, Power Authority of the State of New York and Rochester Gas and Electric Corporation.

Note: The New York Power Pool's maximum demand in 1971 was 10,035,000 kilowatts. This occurred on July 1, 1971. The Pool's energy requirement in 1971 was 101,850,000,000 kilowatthours.



QUESTION 4

"For the year the subject unit would first come on line, state estimated annual load growth in kilowatts and kilowatt hours of any coordinating group or pool of which the applicant is a member (other than the coordinating group or pool referred to in the applicant's response to Item 3) which has generating and/or transmission planning functions. Identify each company or pool member whose loads are indicated in the response hereto."

The Applicant plans generation and transmission in conjunction with the other members of the New York Power Pool. However, it as well as the other members of the New York Power Pool also are members of the Northeast Power Coordinating Council. This agency was established for the purpose of promoting maximum reliability and efficiency of electric service in the interconnected systems of the signatory parties by extending the coordination of their system planning and operating procedures within the northeast area comprising parts of the United States and Canada. The annual load growth in the Northeast Power Coordinating Council's area in 1978 is estimated to be 3,840,000 kilowatts. Growth in annual energy requirements is estimated at 24,200,000,000 kilowatthours in 1978. Members of the Northeast Power Coordinating Council are listed on Table 6, page 7.

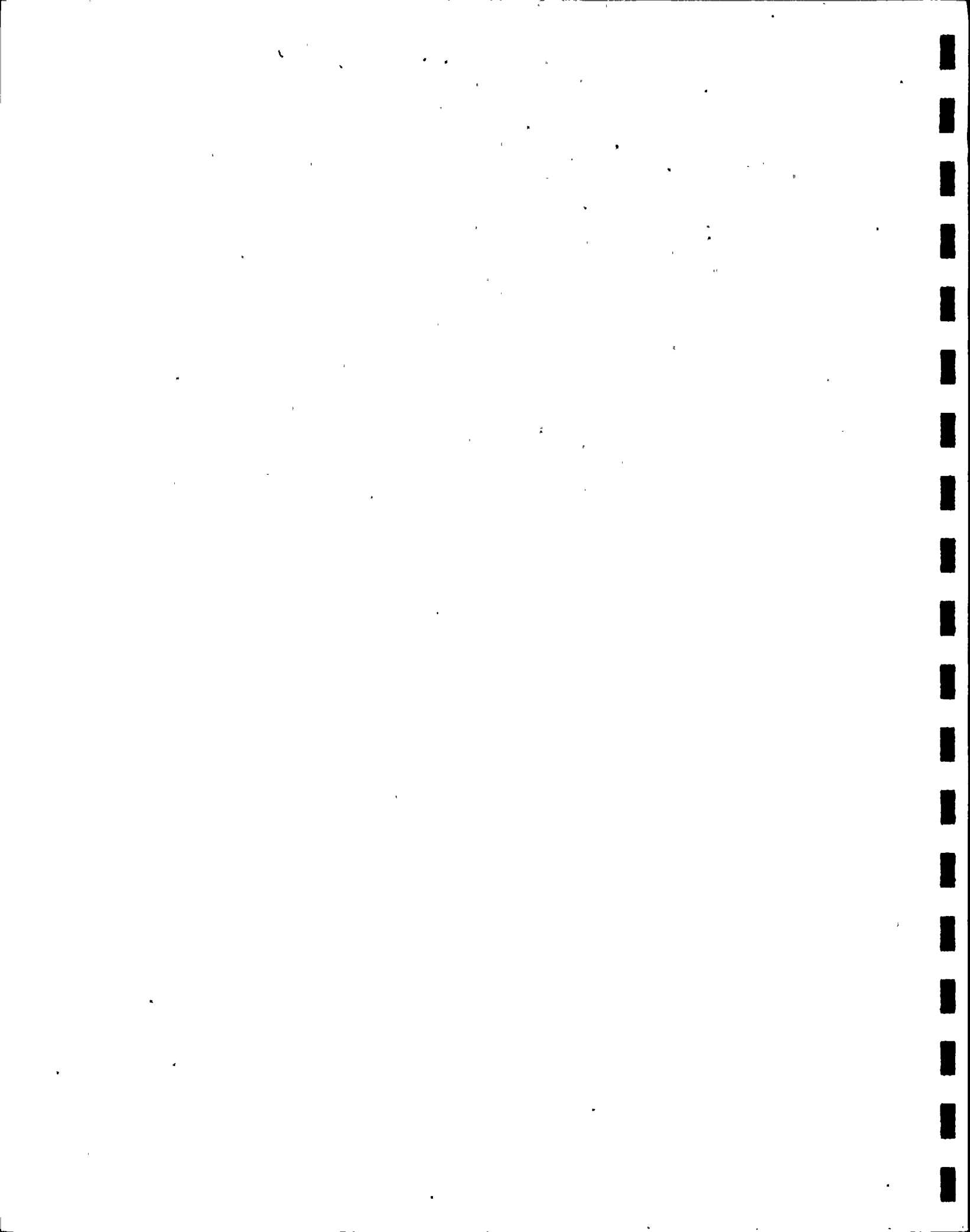


TABLE 6
MEMBERS OF THE NORTHEAST POWER COORDINATING COUNCIL

NEW YORK AREA:

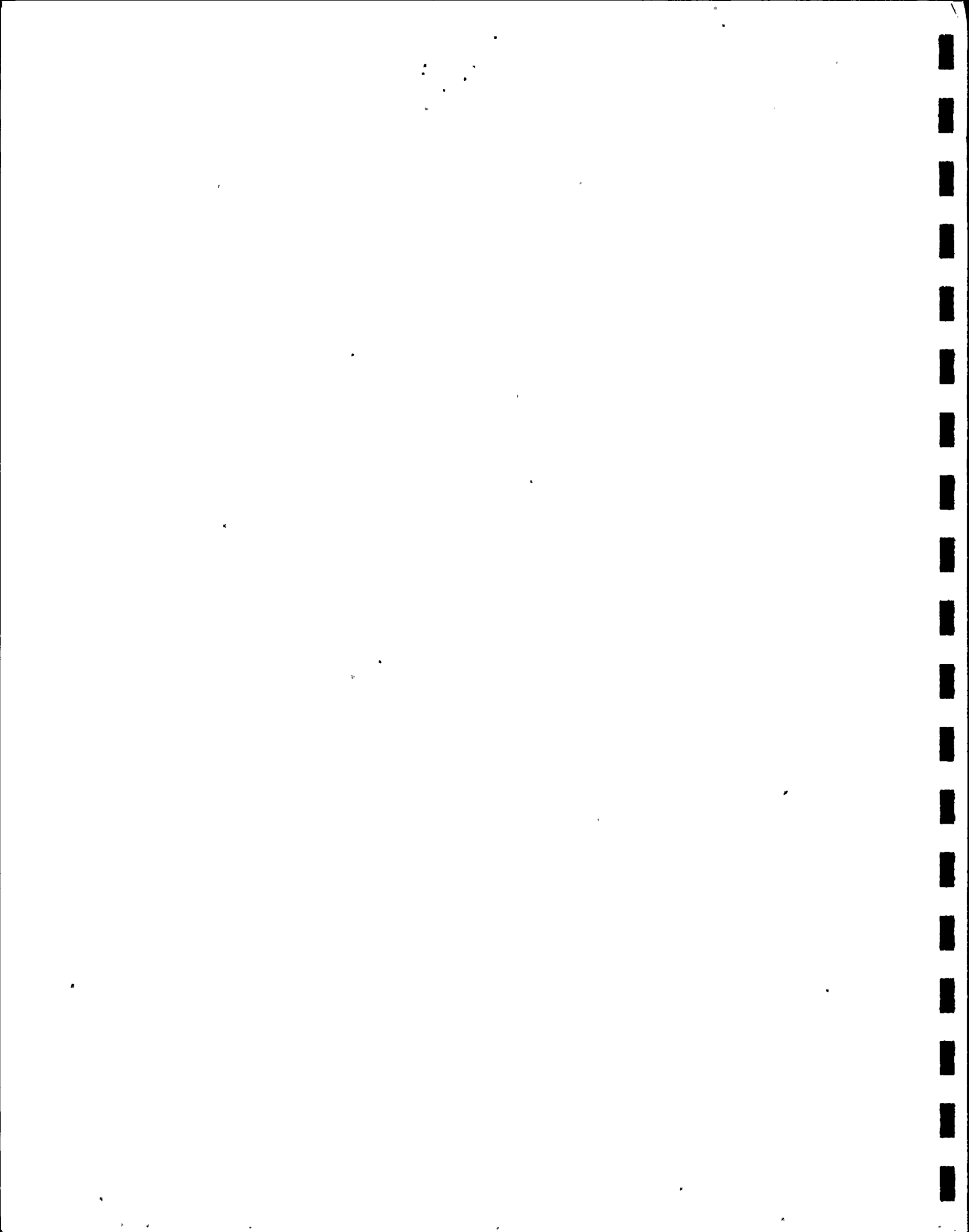
Central Hudson Gas & Electric Corporation
Consolidated Edison Company of New York, Inc.
Long Island Lighting Company
New York State Electric and Gas Corporation
Niagara Mohawk Power Corporation
Orange and Rockland Utilities, Inc.
Power Authority of the State of New York
Rochester Gas and Electric Corporation

NEW ENGLAND AREA:

Boston Edison Company
Burlington Electric Light Department
Central Maine Power Company
Central Vermont Public Service Corporation
Eastern Utilities Associates
Green Mountain Power Corporation
New England Electric System
New England Gas and Electric Association
Northeast Utilities
Public Service Company of New Hampshire
The United Illuminating Company

CANADIAN AREA:

The Hydro-Electric Power Commission of Ontario
The New Brunswick Electric Power Commission



QUESTION 5

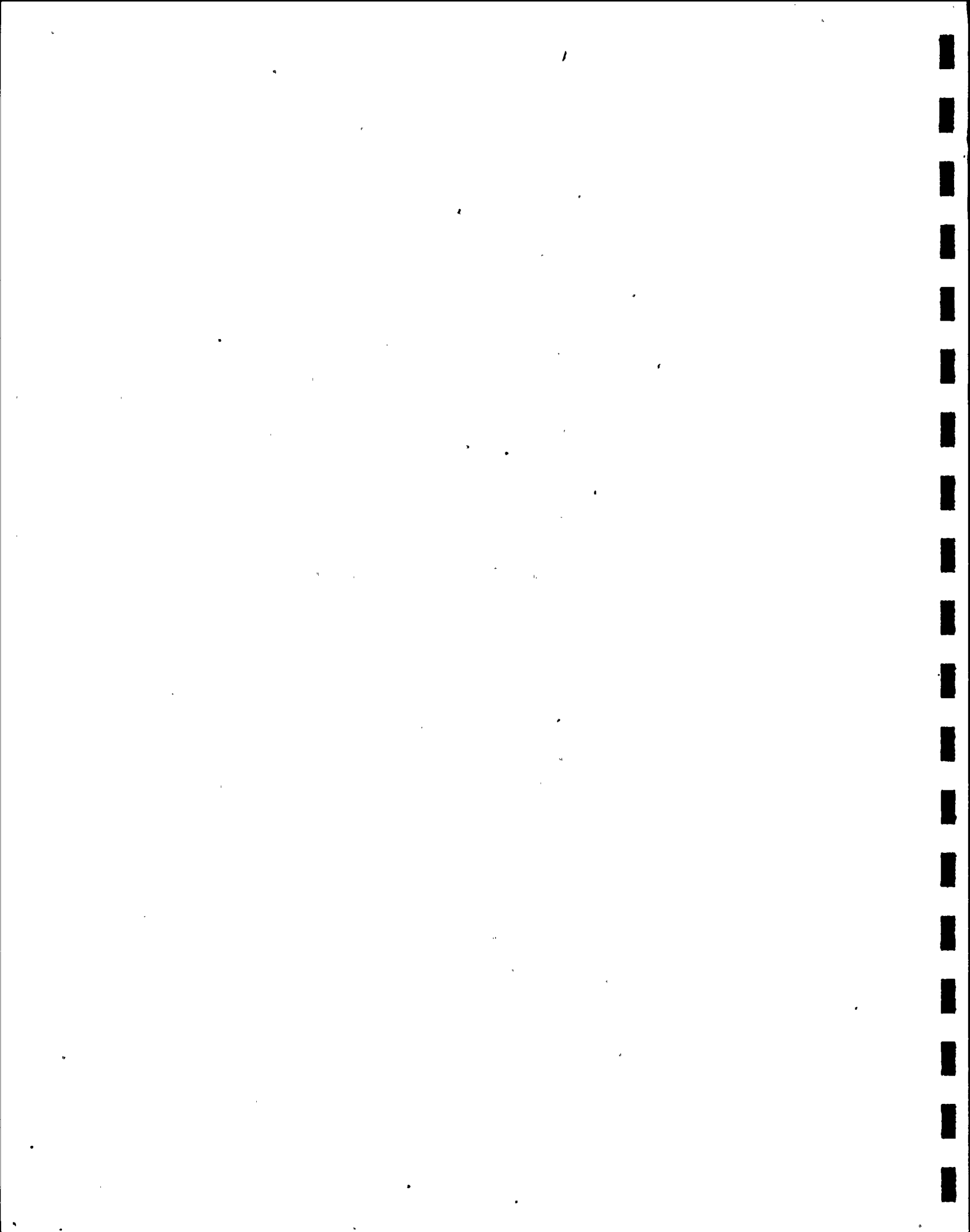
"State applicant's minimum installed reserve criterion (as a percentage of peak load) for the period when the subject unit will first come on line. If the applicant shares reserves with other systems, identify the other systems and provide minimum installed reserve criterion (as a percentage of peak load) by contracting parties or pool for the period when the proposed unit will first come on line."

The Applicant estimates that its minimum reserve during the period when Nine Mile Point Nuclear Station Unit No. 2 first comes in to commercial service is expected to be approximately 18 percent of the peak load predicted for that period. The New York Power Pool, consisting of the companies listed in Table 5, page 5, aim for the minimum reserve percentage criterion of 18 percent by 1975 and thereafter to cover scheduled and unscheduled capacity outages.

QUESTION 6

"Describe methods used as a basis to establish, or as a guide in establishing the criteria for applicant's and/or applicant's pool's minimum amount of installed reserves. e.g., (a) single largest unit down, (b) probability methods such as loss of load one day in 20 years, loss of capacity once in 5 years, (c) other methods and/or judgment. List contingencies other than risk of forced outage that enter into the determination."

The Applicant and the aforementioned New York Power Pool and the Northeast Power Coordinating Council determine their minimum installed reserve criterion based upon probability calculations utilizing loss of load methodology. The criterion is based upon a loss of load expectation of once in ten years. The contingencies, other than risk of forced outages used in these calculations, are generation maintenance outages and reductions of thermal generation due to forced outages of induced or forced draft fans, boiler tube leaks, pulverizers, excessive boiler slagging, low heat content fuels, abnormal cooling water conditions and temperature inversions. In the case of hydro generation there are potential reductions due to low head or high tail race water elevations and debris in hydro plant forebays.



QUESTION 7

"Indicate whether applicant's system interconnections are credited explicitly or implicitly in establishing applicant's installed reserves."

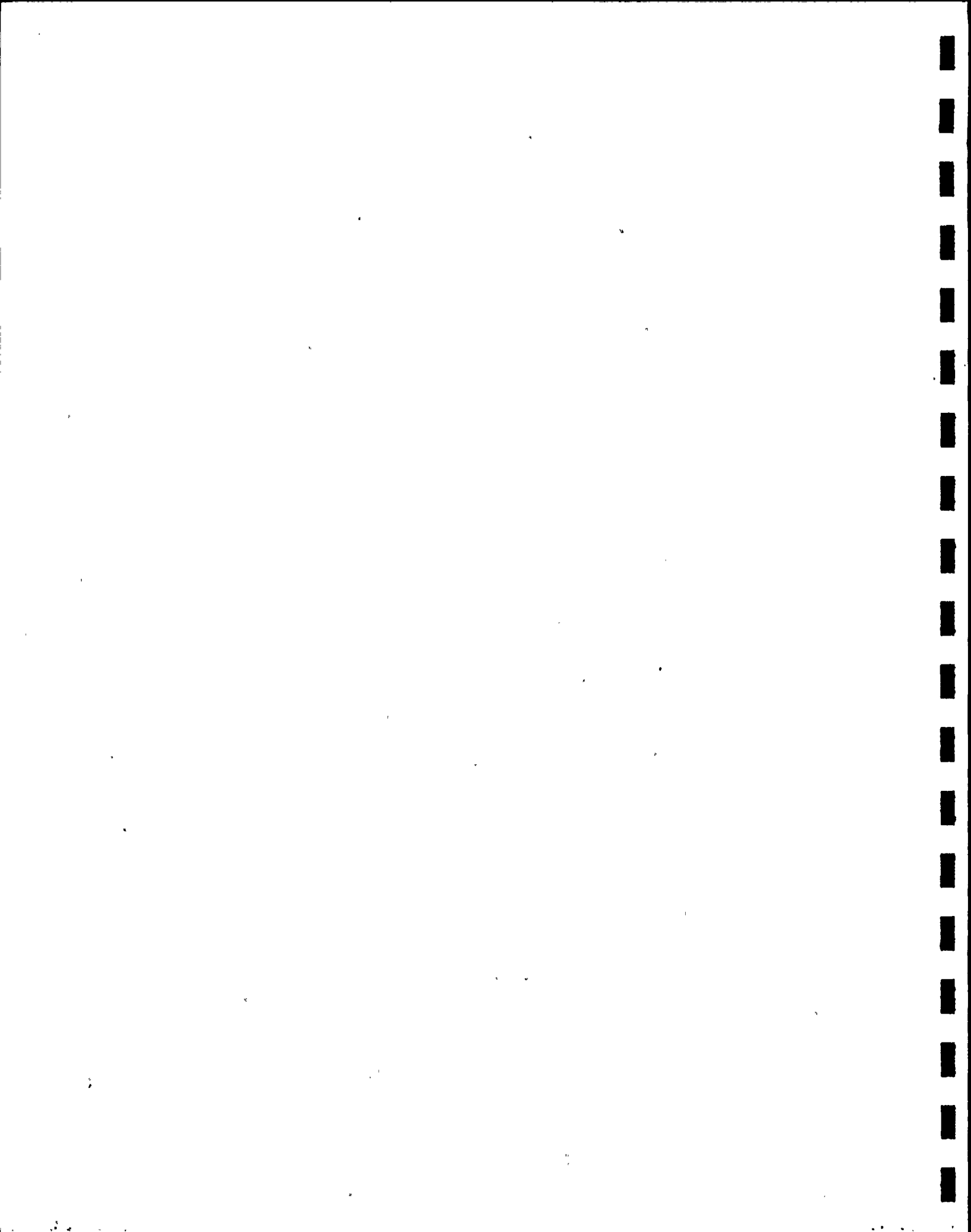
The Applicant's system intrapool interconnections are implicitly credited in establishing Applicant's installed reserves. Applicant's interpool interconnections are not credited either explicitly or implicitly.

QUESTION '8

"List rights to receive emergency power and obligations to deliver emergency power, rights or obligations to receive or deliver deficiency power or unit power, or other coordinating arrangements, by reference to applicant's Federal Power Commission (FPC) rate schedules and also by reference to applicant's state commission filings. Where documents are not on file with the FPC, supply copies, or where not reduced to writing describe arrangements. Identify for each such arrangement the participating parties other than applicant. Provide one line electrical and geographic diagrams of coordinating groups or power pools (with generation or transmission planning functions) of which applicant's generation and transmission facilities constitute a part."

The Applicant has the following agreements with other electric utilities, under which rights are specified in respect of receipt of (1) emergency power and obligations to deliver same, (2) receive or deliver deficiency power or unit power, or (3) other coordinating arrangements, all of which are filed with the Federal Power Commission:

| | <u>FPC NUMBER</u> | <u>NEW YORK STATE PSC NUMBER</u> |
|---|-----------------------|--|
| New England Power Company | 3 | NM 96 |
| Hydro Quebec Electric Commission | 4 | NM 61 |
| Pennsylvania-New Jersey-Maryland- New York State Group (Regional Pooling Agreement) | 5 | NM 10-CD |
| Hydro Electric Power Commission | 12 & Supp. 1&2 | NM 30 |
| Canadian Niagara Power | 13 | NM 31 |
| Power Authority of the State of New York (PASNY) St. Lawrence Contract S-6 | 18 | NM 61 |
| PASNY Niagara Contract NS-1 | 19 | NM 76 |
| Long Sault, Incorporated (Emergency Service) | 20 & Supp. 1 | NM 81 |



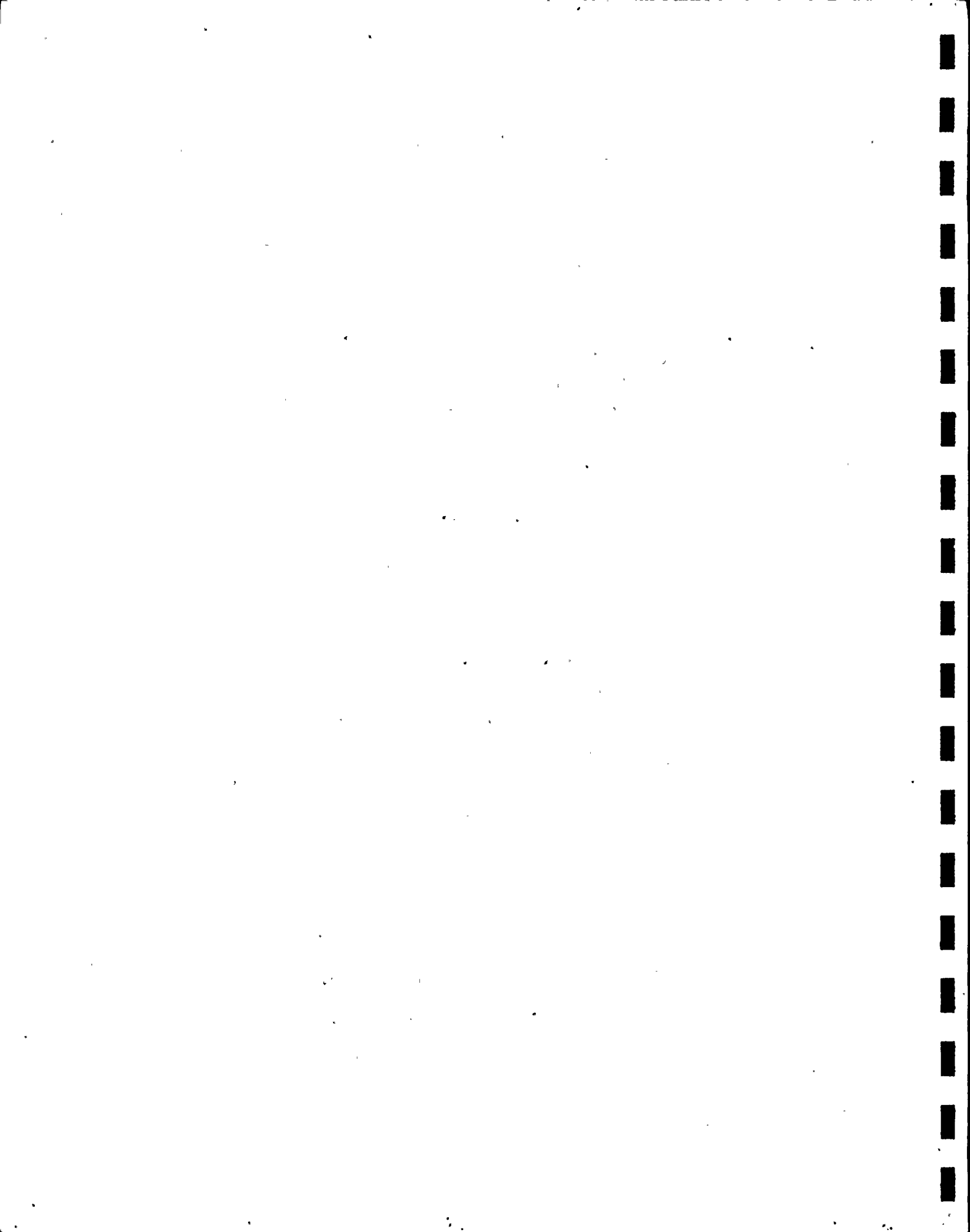
| | <u>FPC NUMBER</u> | <u>NEW YORK STATE PSC NUMBER</u> |
|--|-----------------------|--|
| PASNY-Massena Aluminum Plant | 22 | NM 87 |
| Village of Holley | 24 | NM 308-SC3 |
| Village of Brocton | 25 | NM 308-SC3 |
| PASNY-Vermont | 38 | - |
| Long Sault, Incorporated (Cedars Rapids Replacement) | 43 & Supp. 1,2&3 | NM 95 |
| PASNY-Allegheny Electric Cooperative | 45 & Supp. 1&2 | - |
| New England Power Exchange Companies | 65 | NM 126 |
| Niagara Mohawk, New York State Electric & Gas & Rochester Gas & Electric with PASNY (200,000 KW pending completion of FitzPatrick Plant) | 66 | NM 130 |
| Rochester Gas & Electric - (Area Interchange) | 69 | NM 131 |
| New York State Pool Agreement | 71 & Supp. 1 | NM 133 |
| Village of Green Island | 1-R-1 | NM 204-SC4 |
| Village of Richmondville | 1-R-1 | NM 204-SC4 |

Certificates of Concurrence, where required, are included in Federal Power Commission filings.

An electric and geographic diagram of the New York Power Pool systems is attached hereto as Attachment I. This electric and geographic diagram shows the major transmission line interconnections of the systems mentioned above and the systems referred to in reply to Question 9 at transmission line voltages of 115 KV and above or as otherwise noted on the diagram.

QUESTION 9

"List non-affiliated electric utility systems with peak loads smaller than applicant's which serve either at wholesale or at retail adjacent to areas served by applicant. Provide a geographic one line diagram of applicant's generating and transmission facilities (including subtransmission), indicating the location of adjacent systems and as to such systems indicate (if available) their load, their annual load growth, their generating capacity, their largest thermal generating unit size, and their minimum reserve criteria."



The list of non-affiliated electric utility systems with peak loads smaller than the Applicant's system which serve either at wholesale or retail adjacent to areas served by the Applicant is shown on Table 7, pages 12 and 13. Table 7 also provides the other requested information as available. The geographic map of Attachment I, referred to in reply to Question 8, shows the location of systems adjacent to the areas served by the Applicant. A set of geographical one line diagrams, consisting of 24 sections, showing the Applicant's generation and transmission facilities (including subtransmission), is included herein as Attachment II.

QUESTION 10

"List separately those systems in Item 9 which purchase from applicant (a) all bulk power supply and (b) systems which purchase partial bulk power supply requirements. Where information is available to applicant, identify those Item 9 systems purchasing part or all of their bulk power supply requirements from suppliers other than applicant."

Those systems in Item 9 which purchase from Applicant all their bulk power supply are the Villages of Brocton, Green Island, Holley and Richmondville. They are listed on lines 10 through 13 of Table 7, page 12.

None of the other systems listed on lines 1 through 9, and 14 through 35, on Table 7 herein, purchase part of their bulk power supply requirements (firm power) from the Applicant.

The City of Jamestown (line 2 of Table 7) receives part of its bulk power supply requirements from the Power Authority of the State of New York. The City of Salamanca (line 14 of Table 7) and the Villages listed on lines 15 through 35 of Table 7 herein purchase all of their bulk power supply requirements from the Power Authority of the State of New York. The Applicant provides most of the transmission facilities necessary to receive, transmit, and deliver Power Authority's power to the two cities and all the Villages referred to in this paragraph.

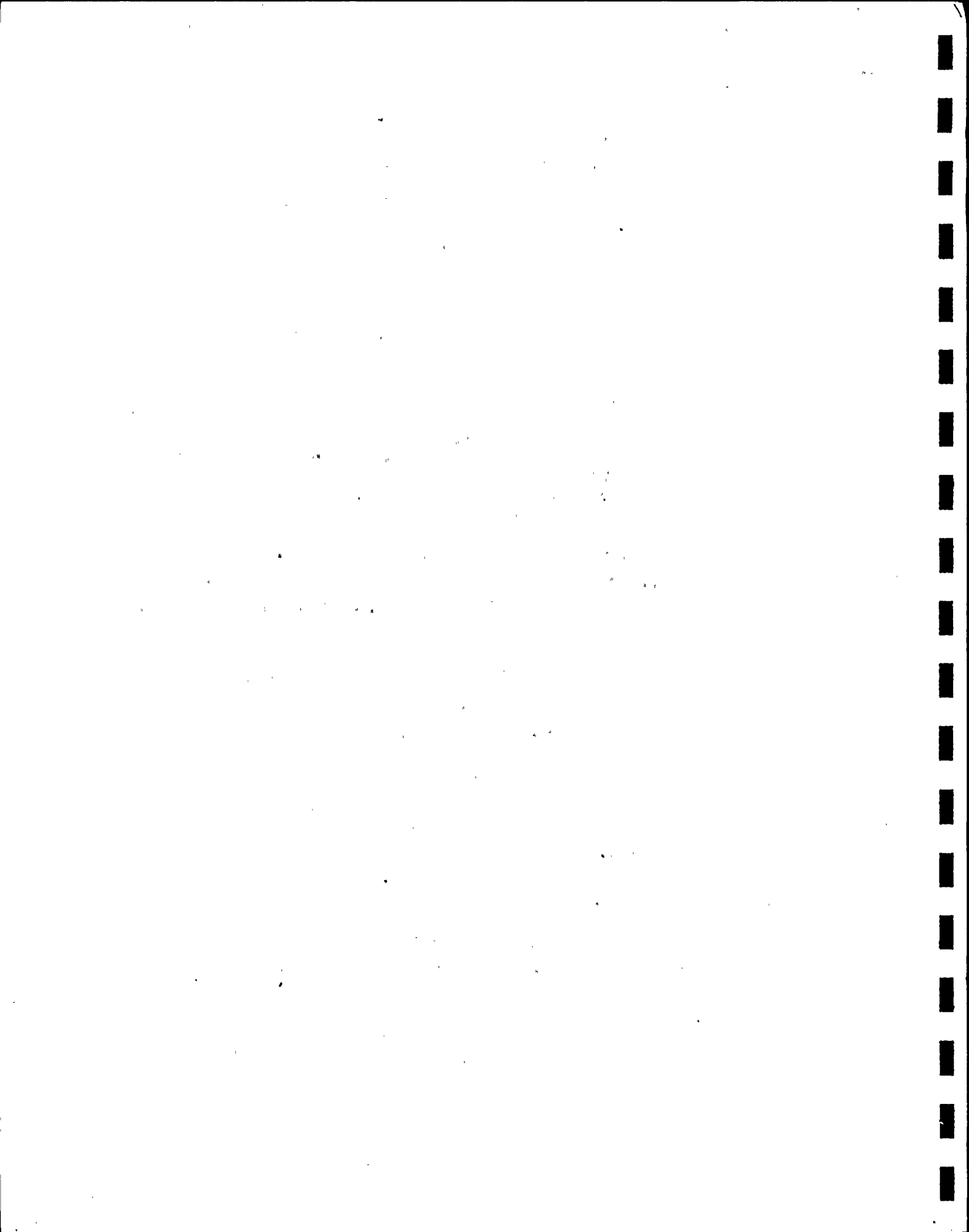


TABLE 7
List of Non-Affiliated Electric Utility Systems with
Peak Loads smaller than Applicant's which serve either
at Wholesale or Retail adjacent to Areas served by Applicant

| Utility System | 1971 Load (Preliminary) (KWH X 10 ³) | 1971 Annual Load Growth (KWH X 10 ³) | 1971 Installed Capability (KW X 10 ³) | 1971 Largest Thermal Unit (KW X 10 ³) | Minimum ^{1/} Reserve Criteria (% of Peak) |
|-------------------------------|---|---|--|---|---|
| 1. Central Hudson Gas & Elec. | 3,127,000 | 168,000 | 592 | 235 | 14 |
| 2. City of Jamestown | 264,000 | 2,000 | 78 | 25 | |
| 3. New England Power Co. | | | | | |
| 4. New York State Elec. & Gas | 8,662,000 | 499,000 | 1,406 | 275 ^{2/} | 12 |
| 5. Northeast Utilities | | | | | |
| 6. Pennsylvania Elec. Co. | | | | | |
| 7. Power Authority of N.Y.S. | 6,179,000 | -26,000 ^{3/} | 3,200 | 0 | |
| 8. Rochester Gas & Elec. | 4,382,000 | 247,000 | 977 | 425 | 12 |
| 9. Vermont Elec. Pwr. Co. | | | | | |
| 10. Village of Brocton | 7,818 | 686 | 0 | 0 | |
| 11. " " Green Island | 5,675 | 135 | 0 | 0 | |
| 12. " " Holley | 10,067 | -311 ^{3/} | 0 | 0 | |
| 13. " " Richmondville | 5,283 | 653 | 0 | 0 | |
| 14. City of Salamanca | 30,175 | -3,068 ^{3/} | 0 | 0 | |
| 15. Village of Akron | 13,284 | 536 | 0 | 0 | |
| 16. " " Andover | 3,640 | 114 | 0 | 0 | |
| 17. " " Arcade | 46,028 | 3,365 | 0 | 0 | |

Note: Blank spaces indicate information is not available from Applicant's source of information.

^{1/} The minimum reserve criteria, noted for Central Hudson Gas & Electric, New York State Electric & Gas, and Rochester Gas & Electric, are reserve obligations presently in effect. They are expected to be at 18% by 1975 and thereafter as stated in Applicants reply to Question 5 on page 8. Since the municipalities listed in Items 10 through 17 of this Table 7 have no generating capacity it is not possible to state a minimum reserve criteria for them.

^{2/} Denotes NYSE&G's proportionate share of Homer City generating unit.

^{3/} Denotes reduction in load below 1970 level; is not necessarily indicative of long term trends.



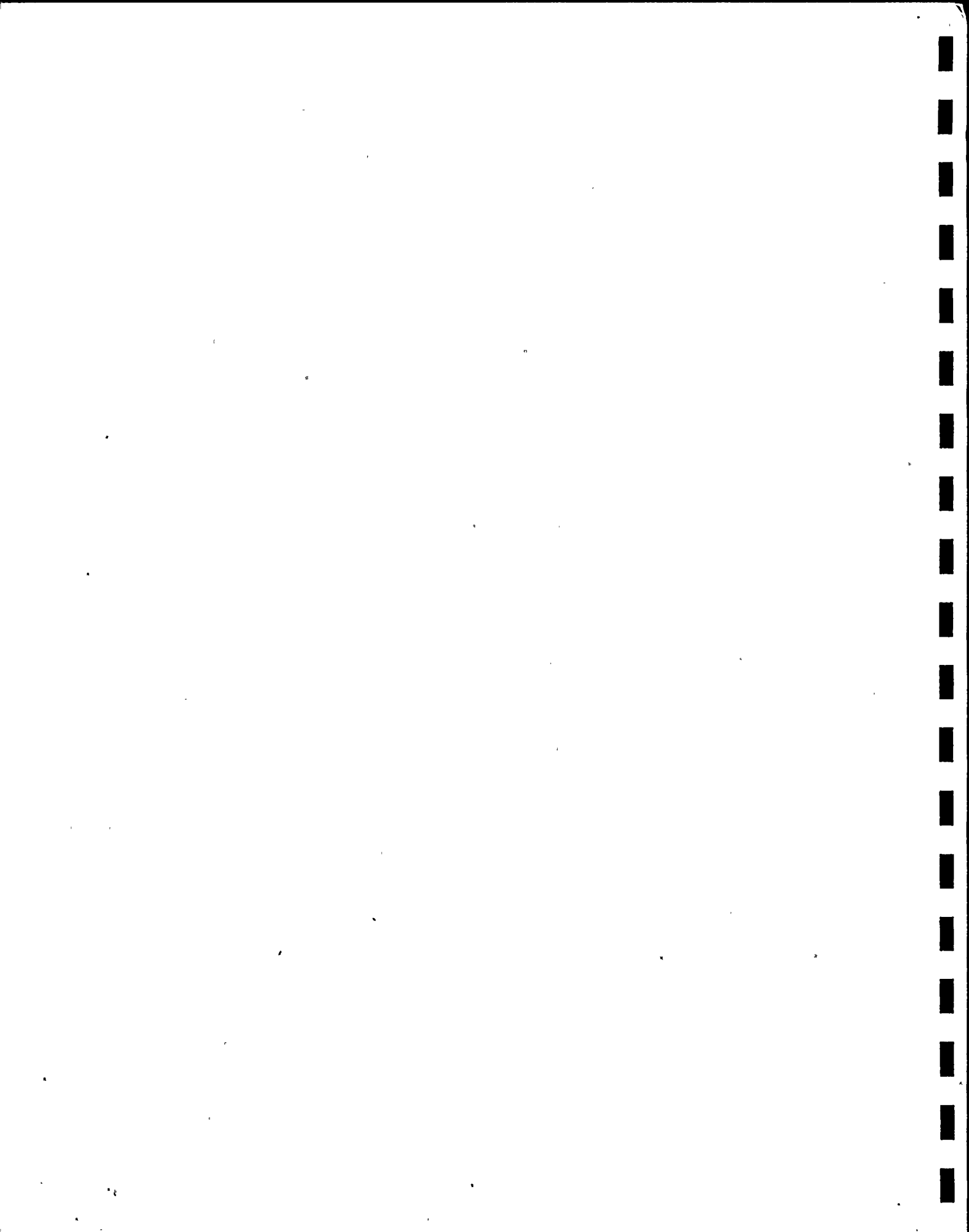
TABLE 7 - Continued
List of Non-Affiliated Electric Utility Systems with
Peak Loads smaller than Applicant's which serve either
at Wholesale or Retail adjacent to Areas served by Applicant

| Utility System | 1971 Load (Preliminary) (KWH X 10 ³) | 1971 Annual Load Growth (KWH X 10 ³) | 1971 Installed Capability (KW X 10 ³) | 1971 Largest Thermal Unit (KW X 10 ³) | Minimum ^{1/} Reserve Criteria (% of Peak) |
|-----------------------|---|---|--|---|---|
| 18. Village of Bergen | 6,289 | 423 | 0 | 0 | |
| 19. " " Boonville | 26,850 | 1,543 | 0 | 0 | |
| 20. " " Churchville | 5,149 | 64 | 0 | 0 | |
| 21. " " Fairport | 98,639 | 6,138 | 0 | 0 | |
| 22. " " Frankfort | 9,759 | 551 | 0 | 0 | |
| 23. " " Ilion | 36,046 | 3,232 | 0 | 0 | |
| 24. " " Lake Placid | 25,730 | 2,460 | 0 | 0 | |
| 25. " " Little Valley | 10,287 | 738 | 0 | 0 | |
| 26. " " Mayville | 12,834 | 693 | 0 | 0 | |
| 27. " " Mohawk | 12,307 | 287 | 0 | 0 | |
| 28. " " Philadelphia | 4,128 | 169 | 0 | 0 | |
| 29. " " Skaneateles | 14,253 | 667 | 0.4 | 0.4 | |
| 30. " " Solvay | 216,755 | 9,217 | 0 | 0 | |
| 31. " " Springville | 22,544 | 902 | 0.5 | 0 | |
| 32. " " Theresa | 3,537 | 97 | 0 | 0 | |
| 33. " " Tupper Lake | 25,104 | 3,084 | 0 | 0 | |
| 34. " " Wellsville | 39,974 | -447 ^{2/} | 0 | 0 | |
| 35. " " Westfield | 37,035 | 2,541 | 0 | 0 | |

Note: Blank spaces indicate information is not available from Applicant's sources of information.

1/ Since the municipalities listed in Items 18 through 35 of this Table 7 have no generating capacity (except for two insignificant instances) it is not possible to state a minimum reserve criteria for them.

2/ Denotes reduction in load below 1970 level; is not necessarily indicative of long term trends.



QUESTION 11

"State as to all power generated and sold by applicant and most recent average cost of bulk power supply experienced by applicant (a) at site of generating facilities, (b) at the delivery points from the primary transmission (backbone) system, (c) at delivery points from the secondary transmission system, and (d) at delivery points from the distribution system, in terms of dollars per kilowatt per year, in mills per kilowatt-hour, and in both the kilowatt costs and kilowatt hour costs divided by the kilowatt hours. If wholesale sales are made at varying voltages, indicate average costs at each voltage."

The average composite costs of bulk power supply experienced by Applicant in 1971 at the sites of its thermal generating facilities are:

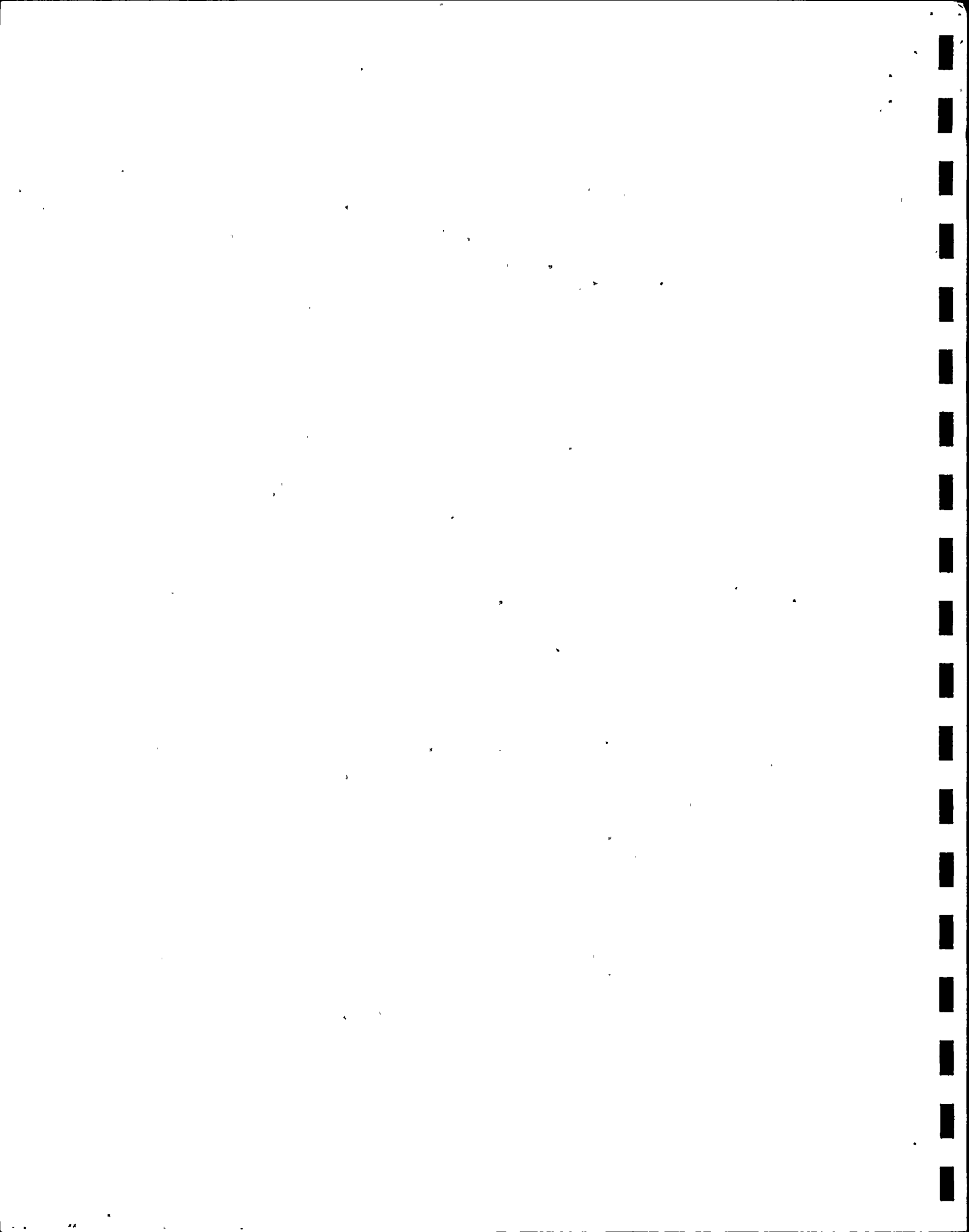
| | | |
|--|-----------------------|----------------------|
| in terms of dollars per kilowatt | \$27.41 ^{1/} | per KW per year, |
| in terms of mills per kilowatt-hour | 4.55 ^{2/} | mills per KWH, |
| and in terms of mills per kilowatt-hour of both the kilowatt costs and kilowatt-hour costs divided by the kilowatt-hours | | 11.02 mills per KWH. |

- 1/ Includes annual fixed charges plus operation and maintenance expenses.
- 2/ Includes fuel expenses only.

The above cost information is the extent of such costs presented in past rate proceedings before the Public Service Commission of the State of New York. Additional breakdown of such costs at the various delivery points from the primary, secondary and distribution systems has not been required by the PSC in prior rate proceedings and accordingly is not available.

QUESTION 12

"State (a) for generating facilities and (b) for transmission sub-divided by voltage classes the most recent estimated cost of applicant's bulk power supply expansion program of which the subject unit is a part, in terms of dollars per kilowatt/per year, in mills per kilowatt hour and in both the kilowatt costs and kilowatt hour costs divided by the kilowatt hours."



The most recent estimated cost of Applicant's bulk power supply expansion program, of which Unit No. 2 of the Nine Mile Point Nuclear Station is a part, is shown on Table 8 below. While several plans for expansion of the Applicant's generation and transmission facilities are currently under study, no definitive contract authorization has been made beyond Unit No. 2 of the Nine Mile Point Nuclear Station scheduled for commercial service July 1978. The estimated annual cost in terms of dollars per kilowatt per year, in mills per kilowatt hour, and in both the kilowatt costs and kilowatt hour costs divided by the kilowatt hour hours, is applicable to the first year of operation of each generating plant.

TABLE 8
NIAGARA MOHAWK POWER CORPORATION
Recent Estimates of Costs of Bulk Power Supply Expansion Program

| | Blenheim/ Gilboa Hydro Pumped Storage | Roseton Conventional Thermal Station | Fitz- Patrick Nuclear Station | Oswego #5 Conventional Thermal Unit | Nine Mile Point Unit No.2 Nuclear Station |
|---|---|---|--|--|---|
| 1. Capability in KW X 10 ³ | 550 ^{1/} | 480 ^{1/} | 240 ^{1/} | 875 | 1,100 |
| 2. Generation in KWH X 10 ⁶ | <u>2/</u> | 3,364 ^{1/} | 1,682 ^{1/} | 6,132 | 7,709 |
| <u>3. Generating Facilities</u> | | | | | |
| 3a. Dollars per kilowatt per year | <u>3/</u> | 33.75 ^{4/} | <u>3/</u> | 40.20 ^{4/} | 70.85 ^{4/} |
| 3b. Mills per kilowatthour | <u>3/</u> | 5.7 ^{5/} | <u>3/</u> | 7.4 ^{5/} | 4.4 ^{5/} |
| 3c. KW and KWH Costs ÷ KWH, Mills/KWH | <u>3/</u> | 10.5 | <u>3/</u> | 13.1 | 14.5 |
| <u>4. Initial 345, ultimate 765 KV Transmission Associated with new Generating Facilities</u> | | | | | |
| 4a. Dollars per kilowatt per year | <u>3/</u> | <u>6/</u> | <u>3/</u> | 16.75 | 18.25 |
| 4b. Mills per kilowatthour | <u>3/</u> | <u>6/</u> | <u>3/</u> | 2.2 | 2.4 |
| 4c. KW and KWH Costs ÷ KWH (Mills/KWH) | <u>3/</u> | <u>6/</u> | <u>3/</u> | 2.4 | 2.6 |
| <u>5. 345 KV Transmission Associated with new Generating Facilities</u> | | | | | |
| 5a. Dollars per kilowatt per year | <u>3/</u> | <u>6/</u> | <u>3/</u> | 5.95 | 3.55 |
| 5b. Mills per kilowatthour | <u>3/</u> | <u>6/</u> | <u>3/</u> | 0.8 | 0.5 |
| 5c. KW and KWH Costs ÷ KWH (Mills/KWH) | <u>3/</u> | <u>6/</u> | <u>3/</u> | 0.9 | 0.5 |

1/ Applicants' portion of kilowatt and kilowatthour capabilities.

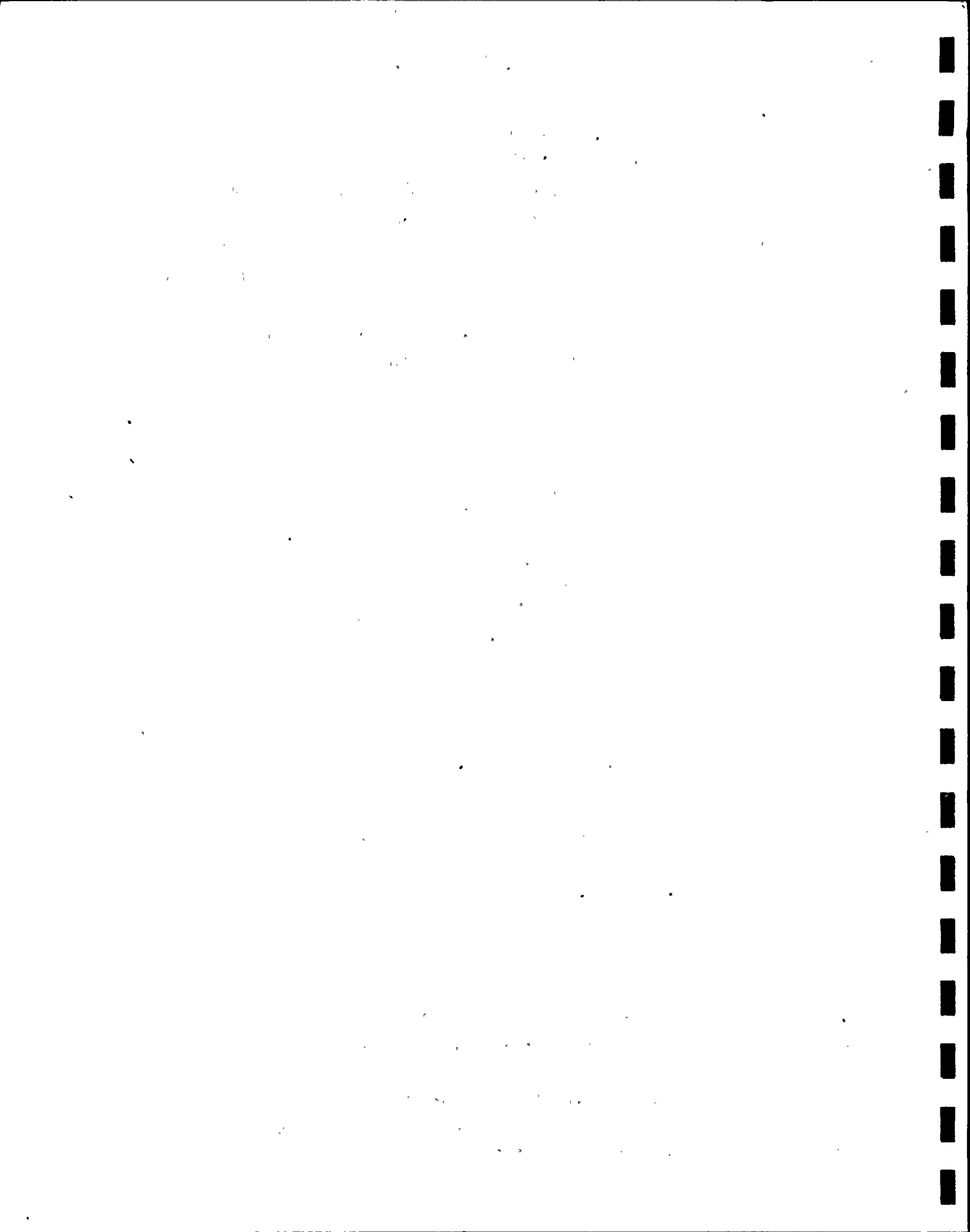
2/ Planned for short time peaking and reserve purposes only.

3/ Applicant's cost is not known; facility is owned by Power Authority of the State of New York.

4/ Cost of first year's operation; excludes interest during construction.

5/ Includes fuel, maintenance, manning and administrative costs.

5/ Transmission owned by others; cost estimate is not available.



QUESTION 13

"List and describe all requests for, or indications of interest in, interconnection and/or coordination and purchases or sales of coordinating power and energy from adjacent utilities listed in Item 9 since 1960 and state applicant's response thereto. List and describe all requests for, or indications of interest in, supply of full or partial requirements of bulk power for the same period and state applicant's response thereto."

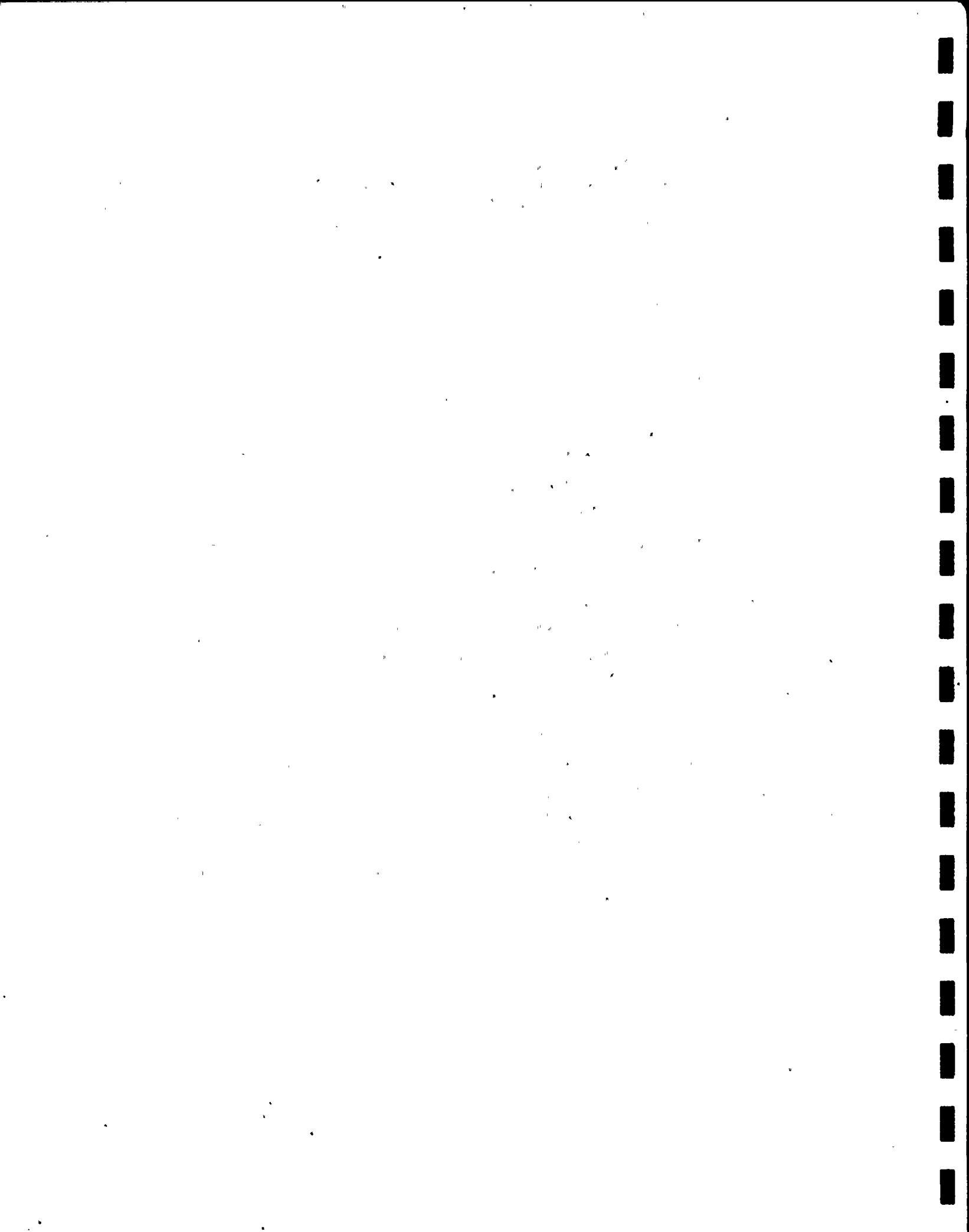
The response to this question is as follows:

POWER AUTHORITY OF THE STATE OF NEW YORK

Under an agreement of February 10, 1961 with the Power Authority of the State of New York (PASNY) Niagara Mohawk Power Corporation (NM) purchases power from the Niagara River Power Project of PASNY, transmits power from the Project to PASNY's Municipal Customers, transmits power from the Project to specified industrial customers of NM, and distributes Niagara Power to NM's domestic customers. The general terms of the agreement remain in effect until 12:01 a.m. January 1, 1990, except that if NM so elects by written notice given one year in advance of such date, the provisions of the agreement relating to NM's purchase of 445,000 kilowatts designated replacement power shall continue in effect until 12:01 a.m. January 1, 2006.

CENTRAL HUDSON GAS & ELECTRIC CORPORATION

On request of Central Hudson Gas and Electric Corporation (CH), since July 1, 1961, Niagara Mohawk Power Corporation (NM) transmits electricity furnished by CH over NM's transmission lines between the Pleasant Valley Substation of Consolidated Edison Company of New York, Inc. and the North Catskill Substation of CH, so that CH may reinforce its power supply to the northern portion of its transmission system on the west side of the Hudson River. This agreement remains in effect until terminated at the end of any stated calendar year by either party upon two years written notice to the other.



POWER AUTHORITY OF THE STATE OF NEW YORK

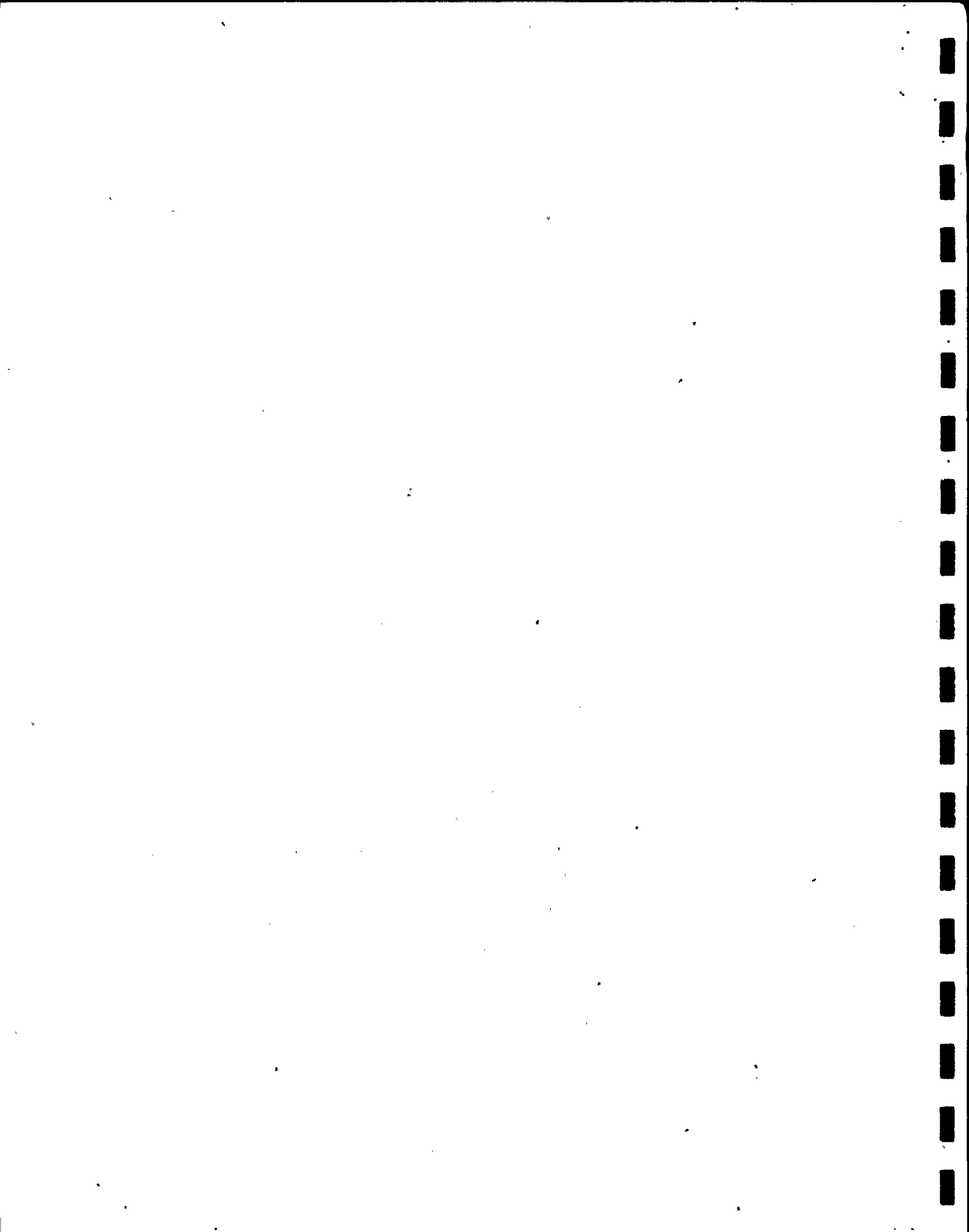
By agreement dated December 11, 1961, Niagara Mohawk Power Corporation (NM) transmits up to 50 MW from PASNY's Niagara River Power Project to the Public Service Board of the State of Vermont at the New York-Vermont state boundary. This agreement remains in effect until midnight December 31, 1979, unless terminated sooner upon terms mutually agreed upon.

By agreement dated January 15, 1963, NM agrees to deliver up to 80 MW of backup power to PASNY in the vicinity of its St. Lawrence River Hydro Plant, provided, that the delivery does not necessitate interruption of NM's power supply to its other customers for PASNY's interruptible power supply to the aluminum reduction plants located near its St. Lawrence River Hydro Plant. This backup supply continues at a rate not to exceed 80 MW at any time prior to January 1, 1993; and be reduced to 40 MW thereafter until the contract termination date of December 1, 1996.

PASNY, NM, New York State Electric and Gas Corporation (NYSEG) and Rochester Gas & Electric Corporation (RGE) executed a transmission agreement dated August 6, 1963 under which NM, NYSEG and RGE utilize the capacity of PASNY's 345 KV transmission lines surplus to PASNY's own needs. The agreement specifies that in emergencies each party will assist the other by making available the resources of their respective electric transmission systems to the maximum extent possible, provided, that assistance by one of the parties which does not involve PASNY's facilities shall not be within the scope of the above subject agreement. Termination date of this agreement is January 1, 2006.

PENNSYLVANIA ELECTRIC COMPANY, ET AL

Pennsylvania Electric Company jointly with Metropolitan Edison Company, New Jersey Power & Light Company and Jersey Central Power & Light Company, commonly known as the General Public Utilities System (GPU), negotiated an agreement March 23, 1964 for the purchase of 100 MW of firm power from Niagara Mohawk Power Corporation (NM) and New York State Electric & Gas Corporation (NYSEG) jointly for a two year period commencing June 1, 1964 and ending September 30, 1966. NM and NYSEG had steam electric generating capacity available for the purpose.



ROCHESTER GAS AND ELECTRIC CORPORATION

By agreement dated July 1, 1964, Rochester Gas and Electric Corporation (RGE) utilizes a portion of NM's available 115 KV transmission line capacity (namely 80 MW) between NM's Mortimer Station and several RGE interconnection points the furthest being RGE's Clyde Station located in the Town of Galen approximately 45 miles east of NM's Mortimer Station to reinforce RGE's power supply to four of its interconnection points east of NM's Mortimer Station. This agreement had an initial term of five years followed by successive additional periods of one year each thereafter unless terminated by either party upon not less than one hundred eighty (180) days notice in advance of each annual expiration date. Note: the foregoing agreement was terminated jointly by both parties on March 31, 1969 pursuant to the terms of a subsequent agreement dated December 26, 1968 which is described later on page 21 herein.

NEW ENGLAND POWER COMPANY

By agreement dated August 1, 1964, the Connecticut Light and Power Company, New England Power Company, Hartford Electric Light Company, United Illuminating Company and Western Massachusetts Electric Companies purchased from Niagara Mohawk Power Corporation (NM) and Consolidated Edison Company of New York, Inc. (CE) various quantities of firm power from October 30, 1966 through April 27, 1968 inclusive. NM sold 220 MW to the New England companies from April 30, 1967 through October 28, 1967. CE sold 240 MW to the New England companies October 30, 1966 through April 29, 1967 and 330 MW from October 29, 1967 through April 27, 1968.

TRANSMISSION OF FIRM POWER FROM THE POWER AUTHORITY OF THE STATE OF NEW YORK TO ALLEGHENY ELECTRIC COOPS

A three party agreement dated August 4, 1965 between the Power Authority of the State of New York (PASNY), Niagara Mohawk Power Corporation (NM) and New York State Electric & Gas Corporation (NYSEG) provides that NM and NYSEG furnish transmission services to PASNY for transmitting PASNY power from its Niagara River Hydro Station to the Pennsylvania State line for ultimate delivery in Pennsylvania to the member cooperatives of Allegheny Electric Cooperative, Inc. Termination date of this agreement is June 30, 1976, unless terminated earlier.

VERMONT ELECTRIC POWER COMPANY, INC.

Under an agreement dated November 24, 1965, Vermont Electric Power Company (VELCO) purchased 10 MW of firm power from Niagara Mohawk Power Corporation (NM) for one year beginning January 1, 1966 and ending December 31, 1966. This purchase fulfilled VELCO's bulk power requirements prior to the date when new capacity became available to its system.

1944

1945

1946

1947

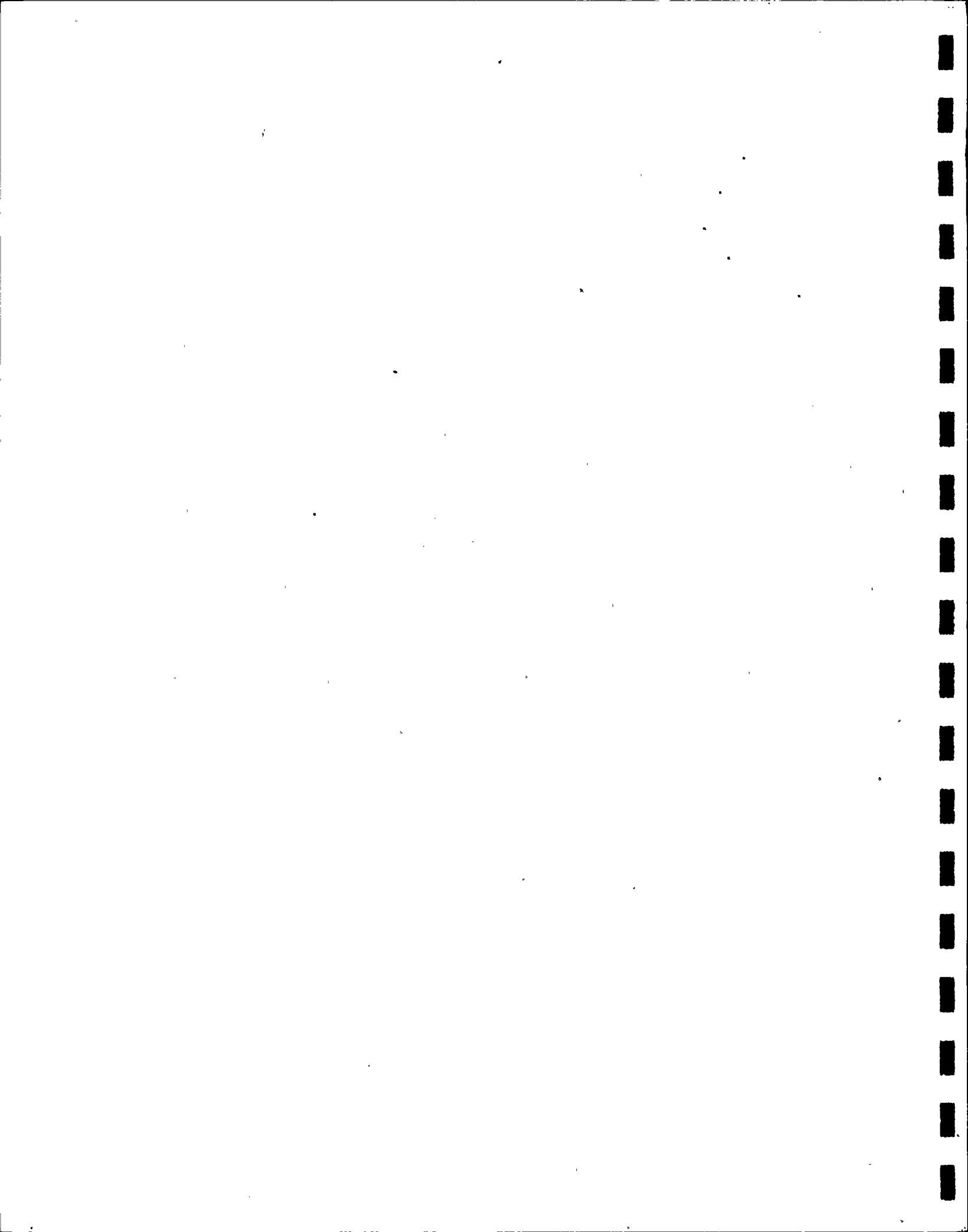


TRANSMISSION OF ROCHESTER GAS AND ELECTRIC CORPORATION'S FIRM POWER TO LONG ISLAND LIGHTING COMPANY

By agreement dated May 10, 1967, Niagara Mohawk Power Corporation (NM) agreed to transmit over its transmission facilities up to 50 MW of Rochester Gas and Electric Corporation's (RG&E) firm power to Consolidated Edison's Pleasant Valley Substation from which point it would be transmitted by Con. Edison to Long Island Lighting Company. This agreement became effective June 11, 1967 and was to continue in force for a term of twenty days through July 1, 1967. On June 27, 1967 a supplemental agreement was executed by all parties concerned under which the power transmitted was increased to up to 80 MW and the term extended until the date of commercial operation of Long Island's Northport Generating Unit No. 1. Transmission service under this agreement terminated at midnight August 3, 1967, the commercial operation date of the aforementioned generating unit.

TRANSMISSION OF NEW YORK STATE ELECTRIC & GAS CORPORATION'S FIRM POWER TO CENTRAL HUDSON AND CONSOLIDATED EDISON

By agreement dated May 11, 1967 Niagara Mohawk Power Corporation (NM) made 100 MW of its transmission line capacity available for transmitting New York State Electric & Gas Corporation (NYSEG) firm power to Central Hudson Gas & Electric Corporation (CH) and Consolidated Edison Company of New York, Inc. (CE) for a period of one hundred and forty days beginning June 11, 1967 and terminating on October 28, 1967. On July 31, 1967, NM was advised that CH and CE required 36 MW additional beginning August 1, 1967 through the remainder of the period due to an unexpected delay in availability of generation from CH's Danskammer generator No. 4 and other complications on CH's and CE's systems. A supplement to the original agreement was prepared and signed as of August 1, 1967 permitting NYSEG to transmit 136 MW of firm power over NM's transmission facilities to CH and CE effective August 1, 1967 and terminating on October 28, 1967.



POWER AUTHORITY OF THE STATE OF NEW YORK

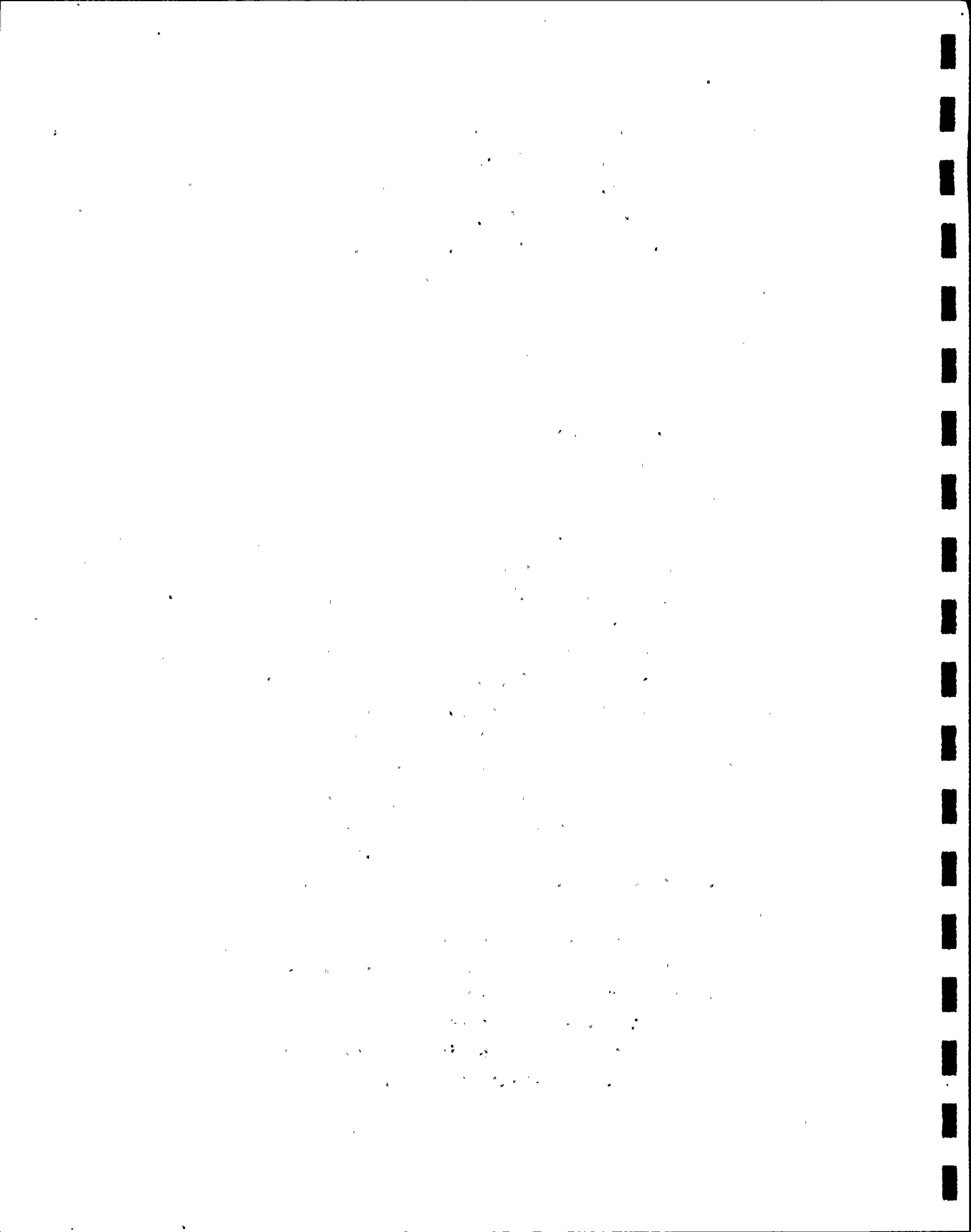
Effective June 1, 1967 and continuing until May 1, 1968, unless later otherwise agreed, (agreement is still in effect as of March 1, 1972) the Power Authority of the State of New York (PASNY) made additional peaking power available from its Niagara River Power Station at 12½ percent monthly load factor as follows:

- 86 MW to Niagara Mohawk Power Corporation (NM)
- 74 MW to New York State Electric & Gas Corporation (NYSEG)
- 40 MW to Rochester Gas and Electric Corporation (RGE)

The foregoing offers were accepted by the three utilities and such power is purchased by them on a coordinated basis during peak hour periods of each weekday.

CENTRAL HUDSON GAS & ELECTRIC CORPORATION

By agreement dated October 31, 1968 Central Hudson Gas & Electric Corporation (CH), Consolidated Edison Company of New York, Inc. (CE) and Niagara Mohawk Power Corporation (NM) jointly participate in the construction, ownership and operation of a 1,200 MW oil-fired steam electric generating plant fronting on the Hudson River near Roseton, New York. The ownership of the plant site and the plant facilities thereon were divided in the following proportions: Twenty percent interest to CH, forty percent to CE and forty percent to NM. Effective May 1, 1977 or four years after commencement of commercial operation of the second 600 MW generating unit at the plant, whichever is the later, CE and NM will each sell a ten percent interest in the plant to CH. Effective May 1, 1981 or eight years after commencement of commercial operation of the second 600 MW generating unit at the plant, whichever is the later, CE and NM will each sell a five percent interest in the plant to CH. Options to purchase additional five percent interests in the plant from CE and NM are available to CH on May 1, 1981 or eight years after commencement of commercial operation of the second unit at the plant, whichever is the later. CH also has the final option to purchase the remaining interests of CE and NM in the plant 30 years after the commencement of commercial operations of the plant.



ROCHESTER GAS AND ELECTRIC CORPORATION

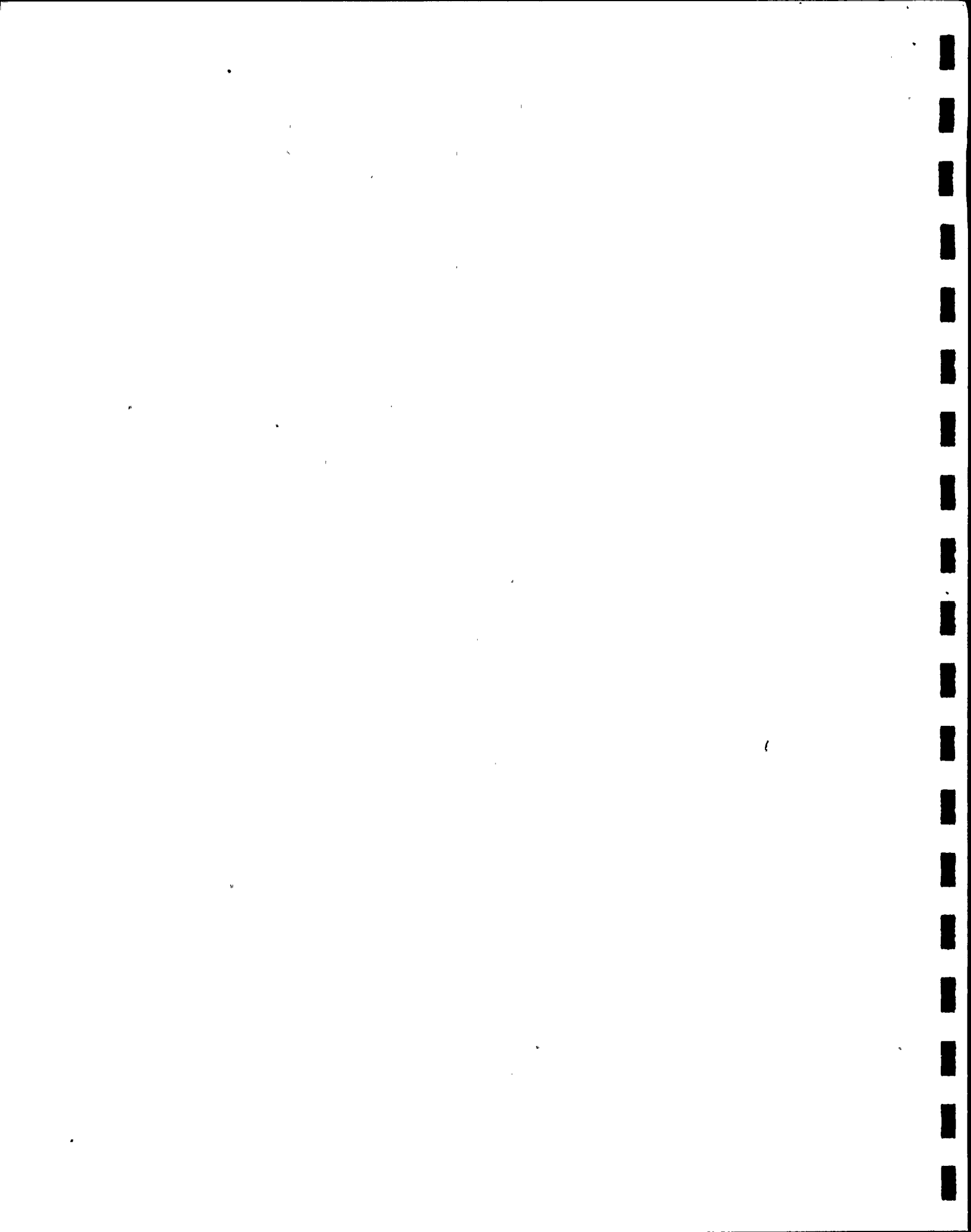
Early in 1968, Rochester Gas and Electric Corporation (RGE) requested that Niagara Mohawk Power Corporation (NM) rebuild, replace, and rearrange certain of NM's 115 KV transmission line and substation facilities at its Mortimer substation and NM's 115 KV transmission lines extending east of Mortimer approximately 50 miles so that RGE could utilize the facilities of NM for the transmission of electric power from its Robert E. Ginna Nuclear Station to its existing Station No. 80 and to NM's Mortimer Station. An agreement between RGE and NM providing for the foregoing rebuilding, replacement, and rearrangement of interconnection facilities was executed December 26, 1968. This agreement will continue in force until March 31, 1974, and thereafter, unless terminated by either party at the expiration date of the initial period or any additional period by written notice given in either case not less than three years in advance of such termination. This agreement also specifies that the transmission service agreement of April 14, 1964 (described previously herein) shall be terminated as of March 31, 1969.

TRANSMISSION OF ROCHESTER GAS & ELECTRIC CORPORATION'S FIRM POWER TO CONNECTICUT ELECTRIC LIGHT COMPANY

By agreement dated December 15, 1969 Niagara Mohawk Power Corporation (NM) transmitted up to 50 MW of Rochester Gas & Electric Corporation's (RGE) firm power to Connecticut Electric Light Company (CL&P) for the use of CL&P, The Hartford Electric Light Company and Western Massachusetts Electric Company each a subsidiary of Northeast Utilities. The effective date of the agreement was December 15, 1969 and it terminated at midnight April 25, 1970.

TRANSMISSION OF NEW YORK STATE ELECTRIC AND GAS CORPORATION'S FIRM POWER TO CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

By agreement dated January 20, 1970 Niagara Mohawk Power Corporation transmitted 60 MW of firm power from New York State Electric and Gas Corporation (NYSEG) to the Pleasant Valley Substation of Consolidated Edison Company of New York, Inc. (CE). The foregoing power was required by CE to meet the requirements of a substantial maintenance schedule CE had planned for the duration of this agreement, which terminated by its terms at midnight April 25, 1970.



TRANSMISSION OF ROCHESTER GAS AND ELECTRIC CORPORATION'S FIRM POWER TO
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

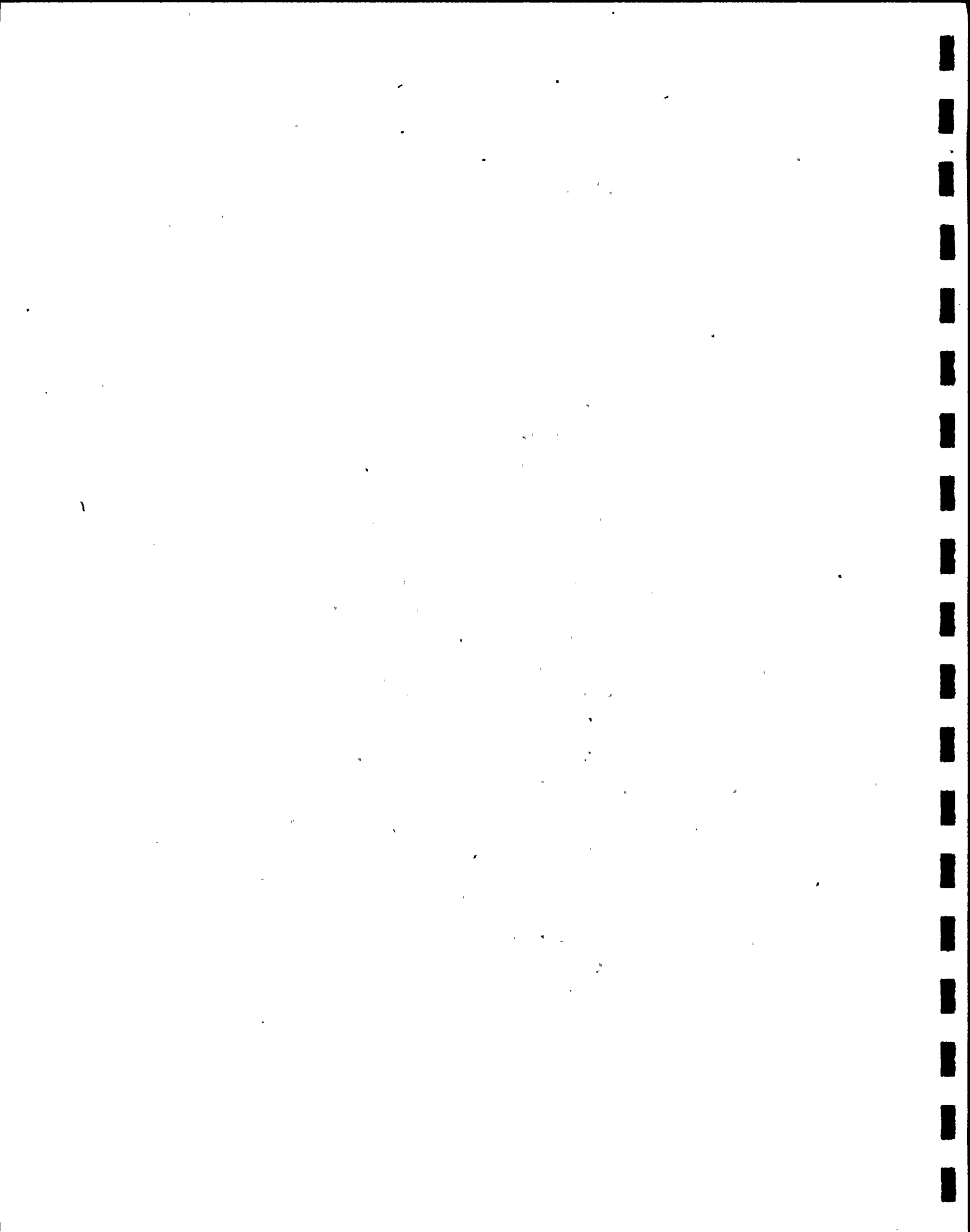
By agreement dated January 22, 1970, Niagara Mohawk Power Corporation (NM) transmitted 65 MW of Rochester Gas and Electric Corporation's (RGE) firm power to the Pleasant Valley Substation of Consolidated Edison Company of New York, Inc. (CE) until midnight April 25, 1970. The foregoing power was requested by CE in order for it to meet a substantial maintenance program planned on its system through April 1970.

POWER AUTHORITY OF THE STATE OF NEW YORK

On April 9, 1970, Niagara Mohawk Power Corporation (NM), New York State Electric and Gas Corporation (NYSEG) and Rochester Gas & Electric Corporation (RGE) jointly negotiated an agreement with the Power Authority of the State of New York (PASNY) to make available 200 MW of supplemental power when required by PASNY pending completion of the construction of PASNY's FitzPatrick Nuclear Station. This power is available to support a program of cooperation between the three private utilities and PASNY to enable PASNY to attract high load factor industries into the State of New York pending completion of the FitzPatrick Nuclear Station. The agreement continues in force until thirty days after the date of satisfactory operation of FitzPatrick Nuclear Station, but in no case later than March 31, 1974.

TRANSMISSION OF ROCHESTER GAS AND ELECTRIC CORPORATION'S FIRM POWER TO
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

By agreement dated April 13, 1970, Niagara Mohawk Power Corporation (NM) transmitted 270 MW of Rochester Gas and Electric Corporation's (RGE) firm power to the Pleasant Valley Substation of Consolidated Edison Company of New York, Inc. (CE) from April 26, 1970 through October 24, 1970. Service under this agreement was requested by CE to enable it to meet firm load requirements expected on its system during the summer 1970 season.



TRANSMISSION OF NEW YORK STATE ELECTRIC AND GAS CORPORATION'S FIRM POWER TO
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

By agreement dated April 13, 1970, Niagara Mohawk Power Corporation (NM) transmitted 150 MW of New York State Electric and Gas Corporation's (NYSEG) firm power to the Pleasant Valley Substation of Consolidated Edison Company of New York, Inc. (CE). The term of this agreement was for the period April 26, 1970 through October 24, 1970.

ROCHESTER GAS AND ELECTRIC POWER CORPORATION

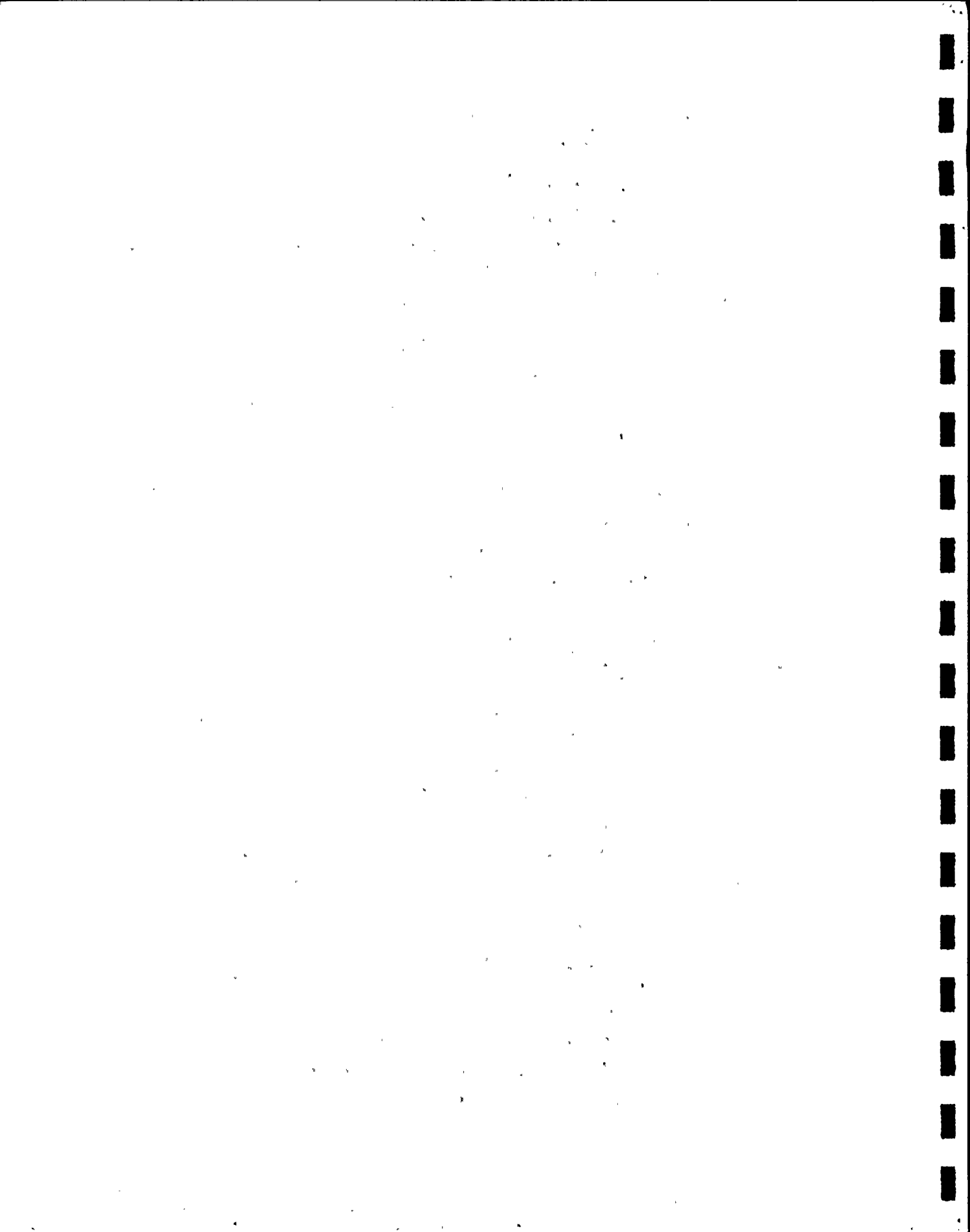
By agreement dated September 25, 1970, Rochester Gas and Electric Corporation (RGE) agreed to sell to NM 200 MW of firm power during the periods commencing October 25, 1970 through April 24, 1971 and commencing October 29, 1972 through April 28, 1973. The agreement further provides that RGE will sell to NM 250 MW of firm power during the period commencing October 31, 1971 through April 29, 1972. The foregoing blocks of power were considered surplus to the needs of RGE's own customers and were expected to lower NM's overall production costs during the three successive winter periods stated above.

TRANSMISSION OF ROCHESTER GAS AND ELECTRIC CORPORATION'S FIRM POWER TO
CONNECTICUT LIGHT AND POWER COMPANY

By agreement dated October 15, 1970, Niagara Mohawk Power Corporation (NM) transmitted 50 MW of Rochester Gas and Electric Corporations' (RGE) firm power to Connecticut Electric Light Company (CL&P) for the use of CL&P, The Hartford Electric Light Company and Western Massachusetts Electric Company each a subsidiary of Northeast Utilities. Transmission of this power began October 25, 1970 and ended at midnight April 24, 1971.

TRANSMISSION OF NEW YORK STATE ELECTRIC AND GAS CORPORATION'S FIRM POWER TO
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

By agreement dated March 24, 1971, Niagara Mohawk Power Corporation (NM) transmitted 150 MW of New York State Electric and Gas Corporation's (NYSEG) firm power to the Pleasant Valley Substation of Consolidated Edison Company of New York, Inc. (CE) from April 25, 1971 through October 30, 1971. This power was requested by CE to supplement its own resources during its summer 1971 peak period.



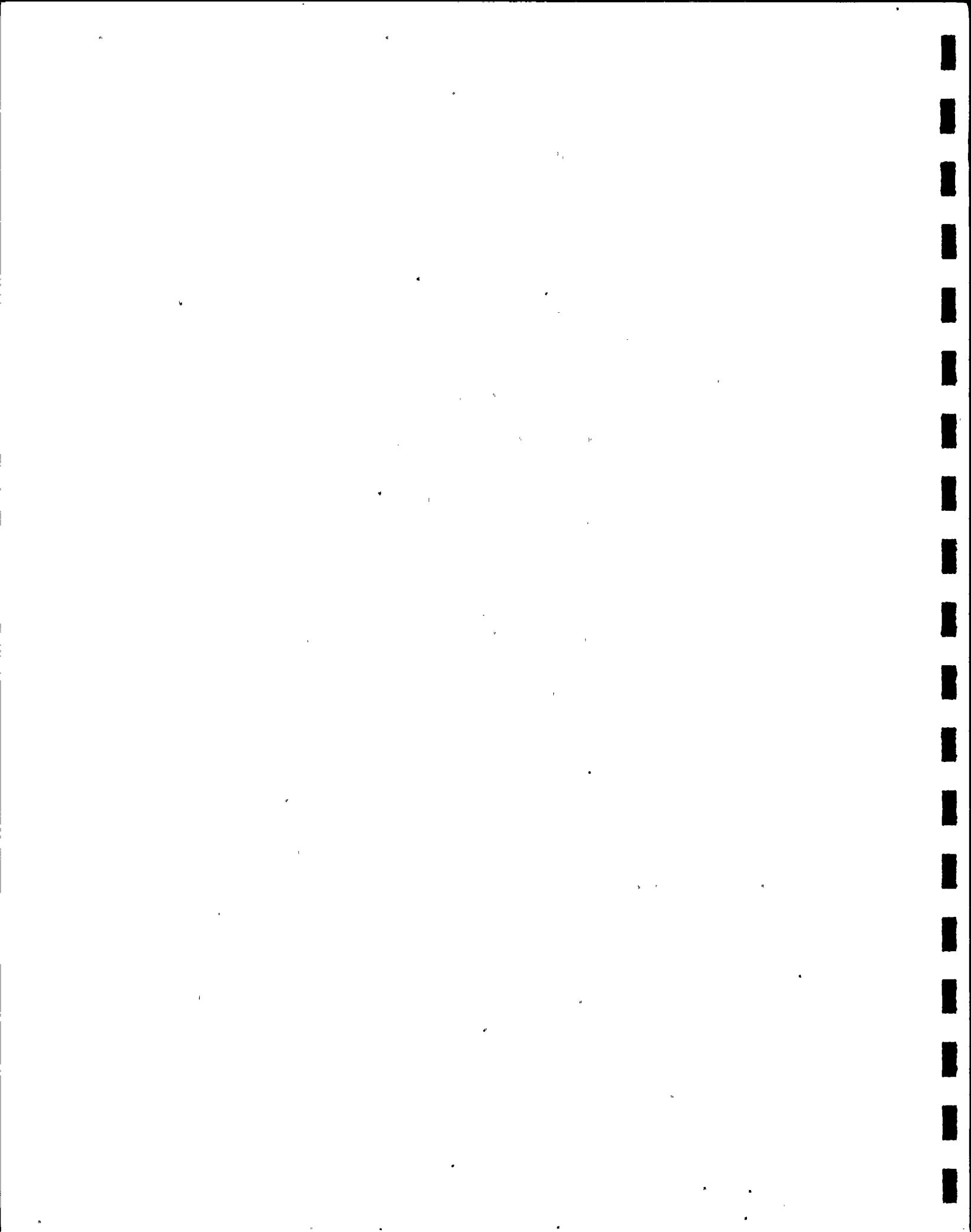
TRANSMISSION OF ROCHESTER GAS AND ELECTRIC CORPORATION'S FIRM POWER TO
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

By agreement dated March 25, 1971, Niagara Mohawk Power Corporation (NM) transmitted 270 MW of Rochester Gas and Electric Corporation's (RGE) firm power to the Pleasant Valley Substation of Consolidated Edison Company of New York, Inc. (CE) from April 25, 1971 through October 30, 1971. Service under this agreement was requested by CE to enable it to supplement its owned power supply facilities during the summer 1971 peak period.

ROCHESTER GAS AND ELECTRIC CORPORATION

On March 29, 1971, Rochester Gas and Electric Corporation (RGE) and Niagara Mohawk Power Corporation (NM) jointly agreed that previous contracts covering interconnection points in the Town of Friendship, Town of Mount Morris and the Town of Genesee should be terminated and replaced by a coordination agreement between the two parties as of the above date whereby each will supply power and energy to the other at the aforesaid points of interconnection during periods of emergency, scheduled maintenance, or other conditions which might otherwise lead to interruption in the supply of electric service to customers of either party. Effective date of this agreement was May 1, 1971 and it will continue in force until April 30, 1972 and from year to year thereafter until cancelled upon one year's prior notice by either party to the other.

To the best of Applicant's knowledge and belief, since the inquiry dates back twelve years in which personnel changes necessarily have occurred, no requests of the nature indicated in the question were rejected by the Applicant or made by the Applicant and rejected by adjacent utilities since 1960. Likewise, no indications of other than casual interest in such matters failed to result in a mutual accommodation of the parties during such period.



QUESTION 14

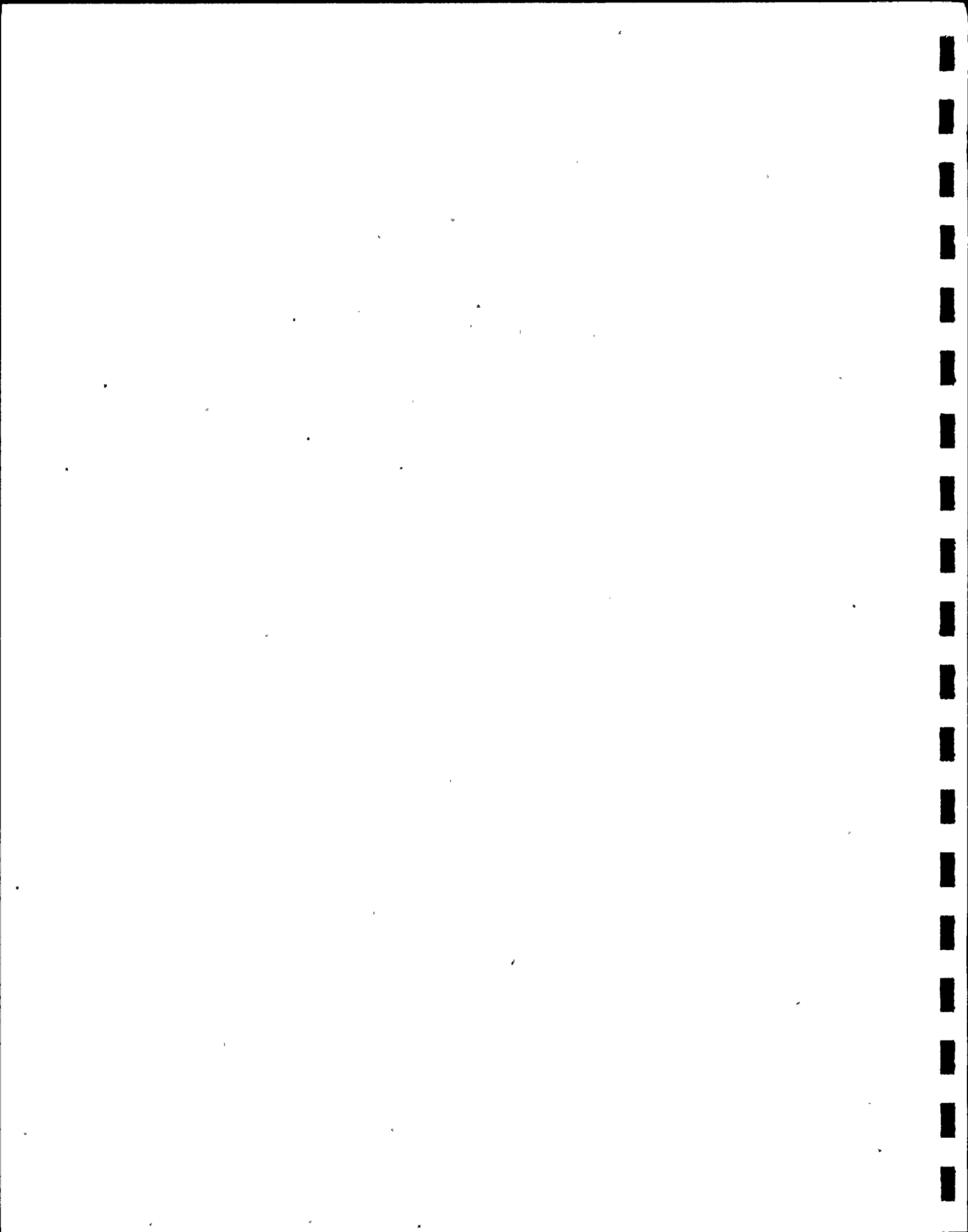
"List (a) agreements to which applicant is a party (reproducing relevant paragraphs) and (b) state laws (supply citations only), which restrict or preclude coordination by, with, between, or among any electric utilities or systems identified in applicant's response to Items 8 and 9. List (a) agreements to which the applicant is a party (reproducing relevant paragraphs) and (b) state laws (supply citations only) which restrict or preclude substitution of service or establishment of service of full or partial bulk power supply requirements by an electric utility other than applicant to systems identified in Items 8 and 9. Where the contract provision appears in contracts or rate schedules on file with a federal agency, identify each in the same form as in previous responses. Where the contract has not been filed with a federal agency, a copy should be supplied unless it has been supplied pursuant to another item hereto. Where it is not in writing, it should be described."

There are no agreements to which the Applicant is a party which would restrict or preclude coordination by, with, between, or among any electric utilities or systems identified in Applicant's response to Items 8 and 9, subject, however, to the prior rights of each party to serve the needs of its own customers.

To the Applicant's knowledge there are no New York State statutes which restrict or preclude coordination by, with, between, or among any electric utilities or systems identified in Applicant's response to Items 8 and 9.

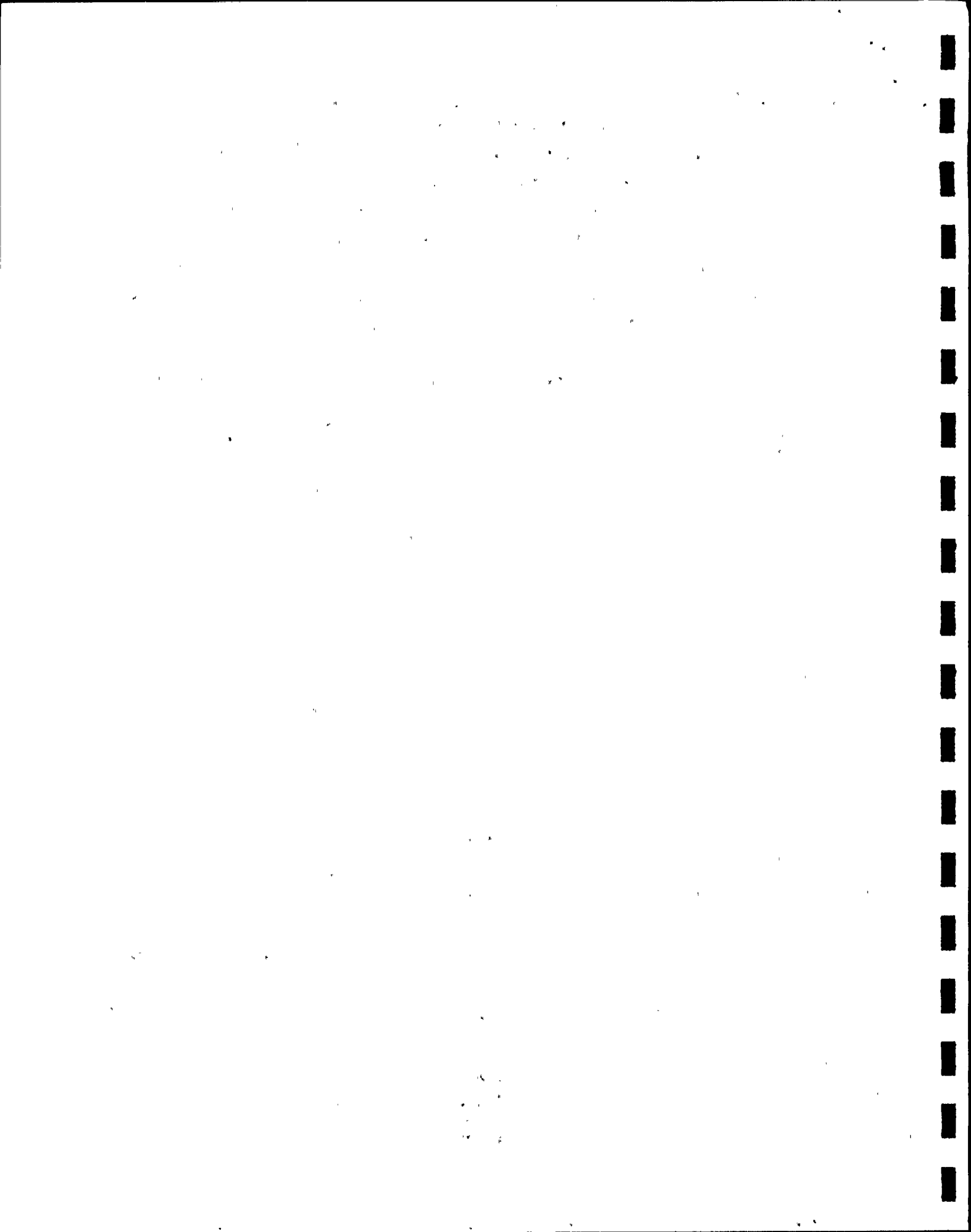
QUESTION 15

"State, at point of delivery, average future costs of power purchased from applicant to adjacent systems identified in applicant's response to Item 9 in terms of dollars/month/kw for capacity, mill/kwh for energy and mills/kwh for both power and energy at purchaser's present load factor (a) at present load, (b) at 50% increase over present load, (c) at 100% increase over present load, and (d) at 200% increase over present load. All costs should be determined under present rate schedules. Where sales are made under contracts or rate schedules on file with a federal agency and not included in the response to Item 9, identify each in the same form as in previous responses. Where the contract has not been filed with a federal agency, a copy should be supplied."



Firm power is supplied for resale to the municipalities of Richmondville and Green Island under FPC Electric Tariff Original Volume No. 1, Rate Schedule R-1. Service to the Village of Holley is supplied under Rate Schedule FPC No. 24 and service to the Village of Brocton is supplied under Rate Schedule FPC No. 25. These rate schedules are on file with the Federal Power Commission. So long as load factor and voltage of delivery remain unchanged, growth will have a negligible effect upon the average rates per KW or per KWH. Average costs for the year 1971, based upon present rates, and projected costs assuming 50%, 100%, and 200% increase over present load, are shown in the following table:

| | Average Costs | | |
|----------------------------|-------------------------------------|-----------------------------------|----------------------------------|
| | <u>Capacity</u> <u>\$/No./KW</u> | <u>Energy</u> <u>Mills/KWH</u> | <u>Total</u> <u>Mills/KWH</u> |
| Village of Richmondville | | | |
| (a) Present Load | 1.834 | 5.689 | 10.095 |
| (b) 50% Increase | " | " | " |
| (c) 100% Increase | " | " | " |
| (d) 200% Increase | " | " | " |
| Village of Green Island | | | |
| (a) Present Load | 1.815 | 5.786 | 10.305 |
| (b) 50% Increase | " | " | " |
| (c) 100% Increase | " | " | " |
| (d) 200% Increase | " | " | " |
| Village of Holley | | | |
| (a) Present Load | 1.215 | 7.06 | 9.83 |
| (b) 50% Increase | 1.203 | 7.00 | 9.74 |
| (c) 100% Increase | 1.197 | 6.97 | 9.70 |
| (d) 200% Increase | 1.191 | 6.95 | 9.66 |
| Village of Brocton | | | |
| (a) Present Load | 1.249 | 7.05 | 9.77 |
| (b) 50% Increase | 1.235 | 6.98 | 9.66 |
| (c) 100% Increase | 1.225 | 6.95 | 9.61 |
| (d) 200% Increase | 1.217 | 6.91 | 9.56 |
| Total, Four Municipalities | | | |
| (a) Present Load | 1.471 | 6.58 | 9.95 |
| (b) 50% Increase | 1.463 | 6.54 | 9.90 |
| (c) 100% Increase | 1.459 | 6.52 | 9.87 |
| (d) 200% Increase | 1.455 | 6.50 | 9.84 |



QUESTION 16

"State whether applicant has prepared, caused to be prepared, or received engineering studies for generation and transmission expansion programs which include loads of each system in Item 9."

The Applicant has prepared and has received engineering studies for generation and transmission expansion which include loads of the systems in Item 9.

QUESTION 17

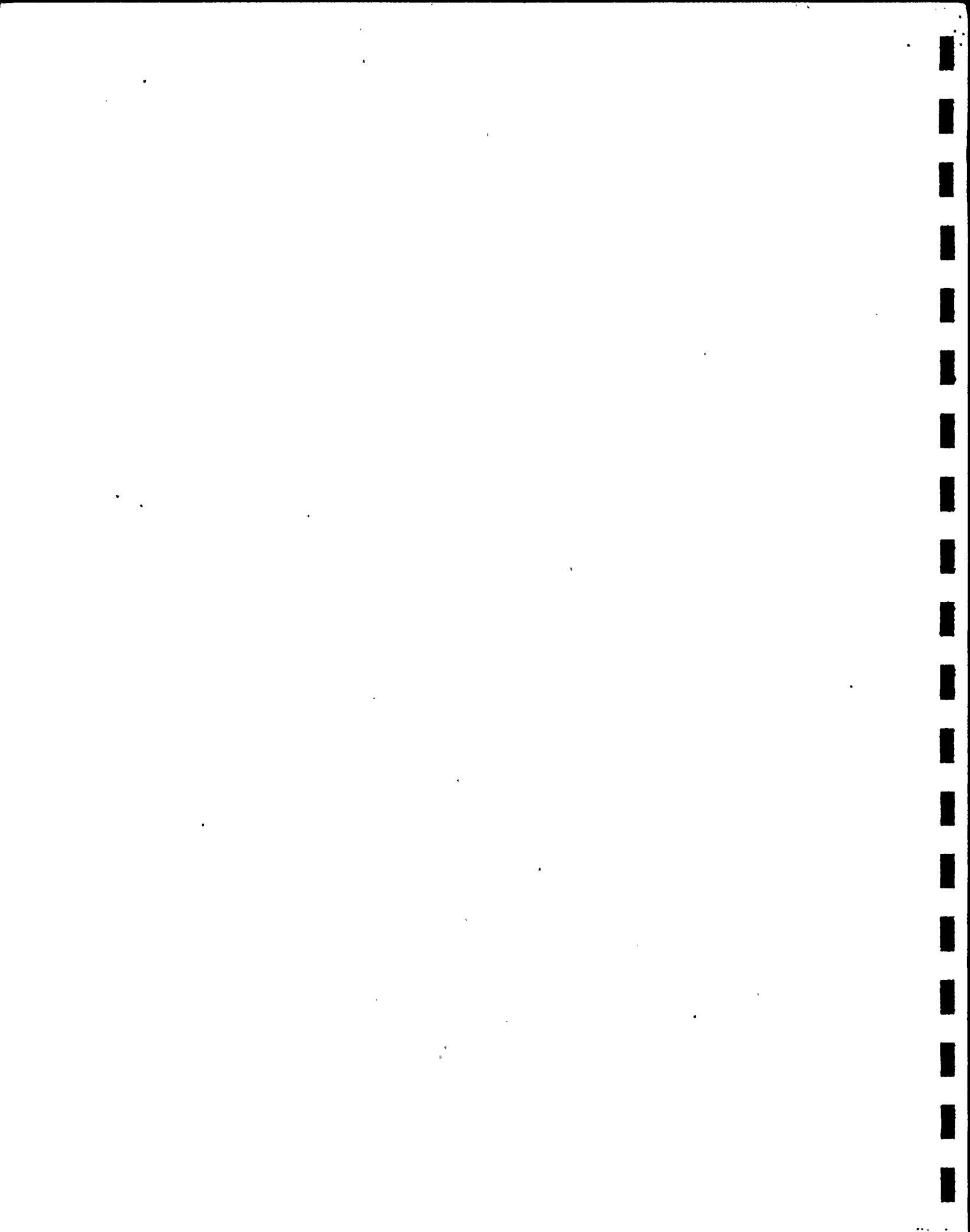
"List adjacent systems to which applicant has offered to sponsor or to conduct system surveys in contemplation of an offer by applicant to purchase, merge or consolidate with said adjacent system, subsequent to January 1, 1960."

In addition to those systems mentioned in responses to Questions 18 and 19 below, the Applicant and New York State Electric & Gas Corporation initiated in June 1967 joint studies respecting the economic feasibility of merger of the two companies. These studies were conducted with the advice and assistance of Duff & Phelps, Inc., of Chicago, Illinois, as consultant. In November, 1967, the companies announced that the studies indicated that a merger or corporate affiliation was not economically feasible in that the cost of effecting such a merger or corporate affiliation under money market conditions obtaining at the time would far out-weigh any net operating economies which ultimately could be realized through the elimination of duplicate administrative and service functions.

QUESTION 18

"List applicant's offers or proposals to purchase, merge or consolidate with electric utilities, subsequent to January 1, 1960."

In addition to those systems mentioned in response to Question 19 below, Applicant conducted studies as to the acquisition of the Village of Bergen Municipal Electric System pursuant to request of the Board of Trustees of the Village pursuant to resolution of August 10, 1966. The Board approved Applicant's proposal to purchase said Municipal Electric System on December 5, 1966, subject to referendum. A referendum was held on February 2, 1967, and the proposal to purchase was turned down.



QUESTION 19

"List all acquisitions of or mergers or consolidations with electric utilities by applicant, subsequent to January 1, 1960, including:

- (a) The name and principal place of business of the system prior to the acquisition, merger or consolidation;
- (b) The date the acquisition, merger or consolidation was consummated;
- (c) Gross annual revenue and most recent peak load, dependable capacity and the largest thermal generating unit of the system, prior to the dates of consummation."

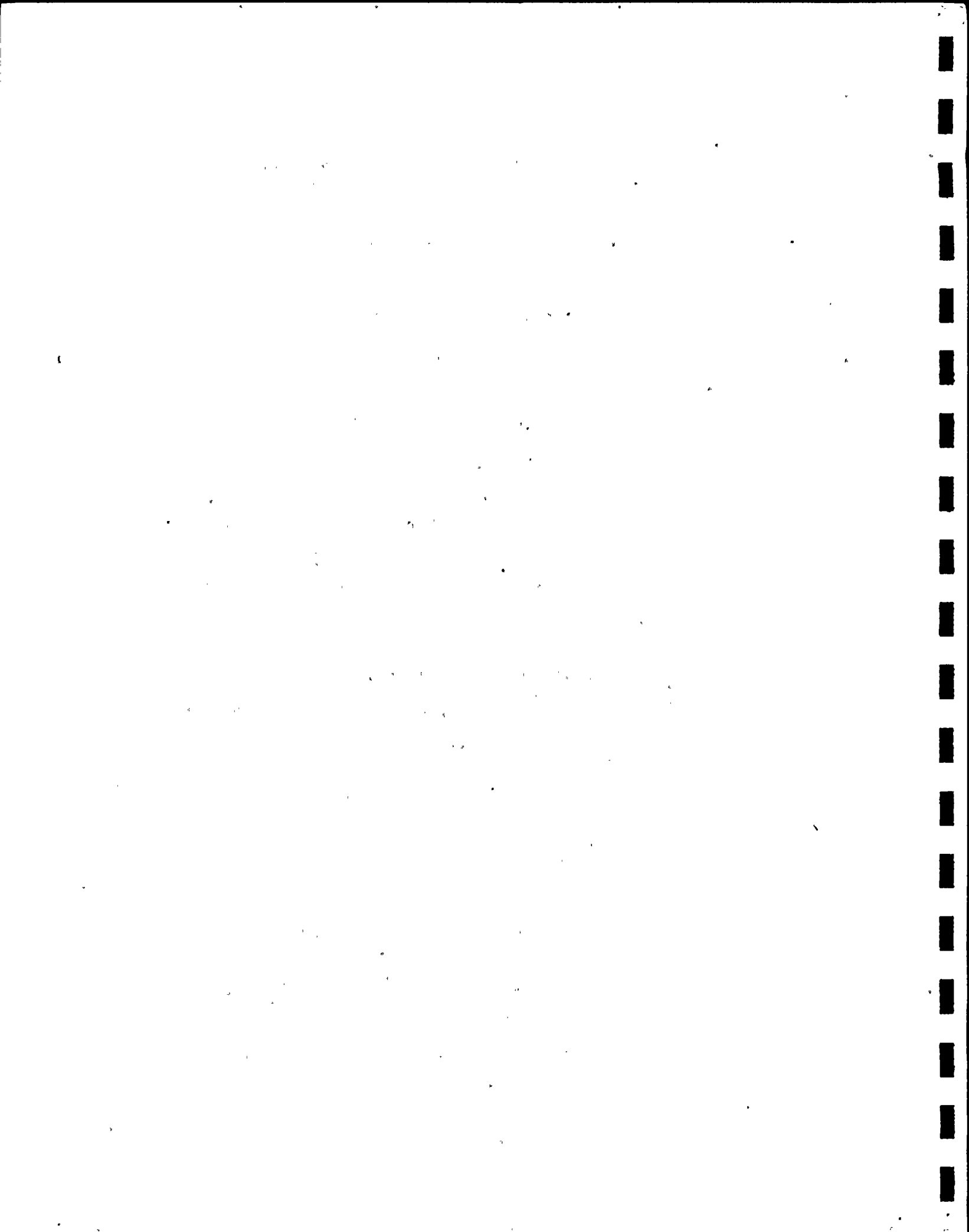
The following electric utility companies were merged with Niagara Mohawk Power Corporation subsequent to January 1, 1960:

PAUL SMITH'S ELECTRIC LIGHT & POWER & RAILROAD COMPANY

- (a) The principal business office of this merged company was located at 2 Main Street, Saranac Lake, New York. It served approximately 4,297 customers in the Adirondack area of New York State, including parts of the counties of Franklin, Clinton, Essex and St. Lawrence, New York.
- (b) The Certificate of Merger was filed with the Secretary of State of the State of New York on January 17, 1966.
- (c) Gross annual revenue for the year 1965 was \$1,339,921. The most recent peak load of this merged company was 12,500 kilowatts which occurred on December 28, 1965. Dependable capacity of the system was 9,400 kilowatts which included 2,000 kilowatts of internal combustion generating capacity.

ADAMS ELECTRIC LIGHT COMPANY

- (a) The principal business office of this merged company was located at 5 East Church Street, Adams, New York. It served approximately 3,671 customers in the Town of Adams, Ellisburg, Henderson, Lorraine and Rodman, and the Villages of Adams, Ellisburg and Mannsville, in the County of Jefferson, State of New York.
- (b) The Certificate of Merger was filed with the Secretary of State of the State of New York on August 25, 1967.



(c) Gross annual revenue for the year ending August 25, 1967, was \$404,224. The most recent peak load of the merged company was 6,620 kilowatts which occurred in February, 1967. This company had no generating capacity installed.

CANTON ELECTRIC LIGHT AND POWER COMPANY

(a) The principal business office of this merged company was located at 117 Main Street, Canton, New York. It served approximately 1,915 customers in the Town and Village of Canton, St. Lawrence County, State of New York.

(b) The Certificate of Merger was filed with the Secretary of State of the State of New York on February 27, 1969.

(c) Gross annual revenue for the year 1967 was \$522,600. The most recent peak load was not available, and the merged company had no generating capacity installed.

ELLCOTTVILLE ELECTRIC LIGHT COMPANY

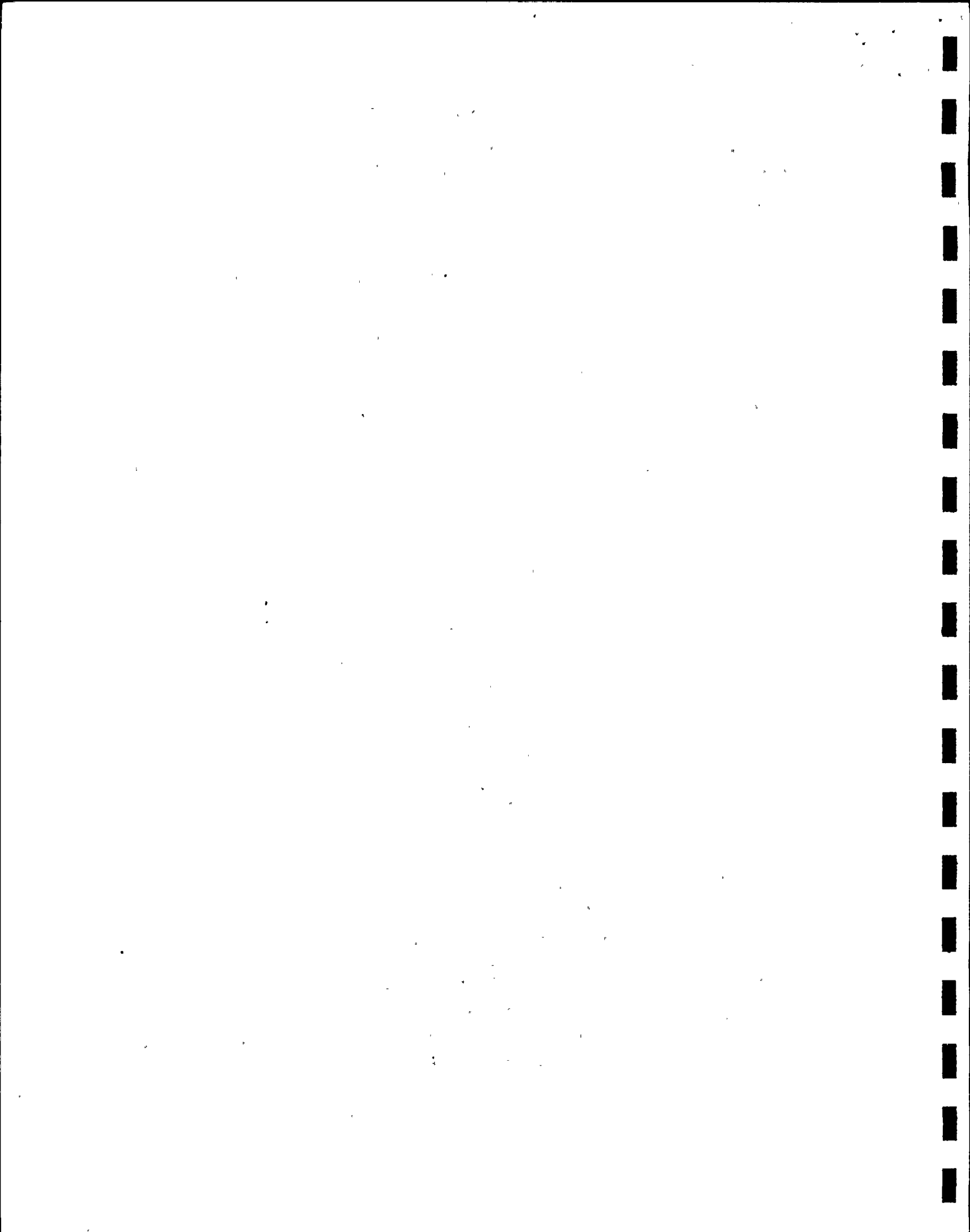
(a) The principal business office of this merged company was located at 14 Monroe Street, Ellicottville, New York. It served approximately 800 customers in the Town and Village of Ellicottville and the Town of Great Valley, Cattaraugus County, State of New York.

(b) The Certificate of Merger was filed with the Secretary of State of the State of New York on May 23, 1969.

(c) Gross annual revenue for the year 1968 was \$187,193. The merged company's most recent peak load was unavailable, and no generating capacity was installed.

In addition to the above recited acquisitions by merger, the Applicant acquired subsequent to January 1, 1960, the following hydro-electric facilities by purchase from the companies indicated:

i. On January 1, 1965, the Applicant purchased from the Beaver River Power Company the High Falls Hydro Development located at Beaver Falls in the Town of Croghan, Lewis County, New York. The dependable capacity of the purchased hydro-electric facility was 5,600 kilowatts. No thermal unit was acquired.



ii. On September 15, 1967, the Applicant purchased from Henry Ford & Son, Incorporated, the Green Island Hydro Station located in Albany County at the United States Lock and Dam at Green Island, New York. Dependable capacity was 6,000 kilowatts. No thermal generating capacity was acquired.

iii. On June 14, 1968, the Applicant purchased from Sealright Company Incorporated three hydro developments located on the Oswego River at Fulton, New York. Dependable capacity was 9,400 kilowatts. No thermal generating capacity was acquired.

QUESTION 20

"State applicant's six (or fewer if there are not six) lowest industrial or large commercial rates for firm electric power supply in terms of cost for power and energy in mills per kilowatt hour (and separately, the demand and energy components) and indicate the portion of the charge attributed to bulk power supply. State the rates or rate blocks applicant utilizes for its six (or fewer if there are not six) promotional services such as electric space heating, electric hot water heating, and the like, in terms of mills per kilowatt hour for power and energy and indicate the portion of the rate or rate blocks attributed to bulk power supply."

The Applicant's four lowest industrial or large commercial rates for firm electric power supply are shown in Service Classification Nos. 2, 3, 4 and 5 - Rate Schedule No. PSC 207 Electricity, attached hereto as Attachment III.

The costs of power and energy in mills per kilowatt hour developed under these service classifications are shown in the following table (Table 9, page 31):

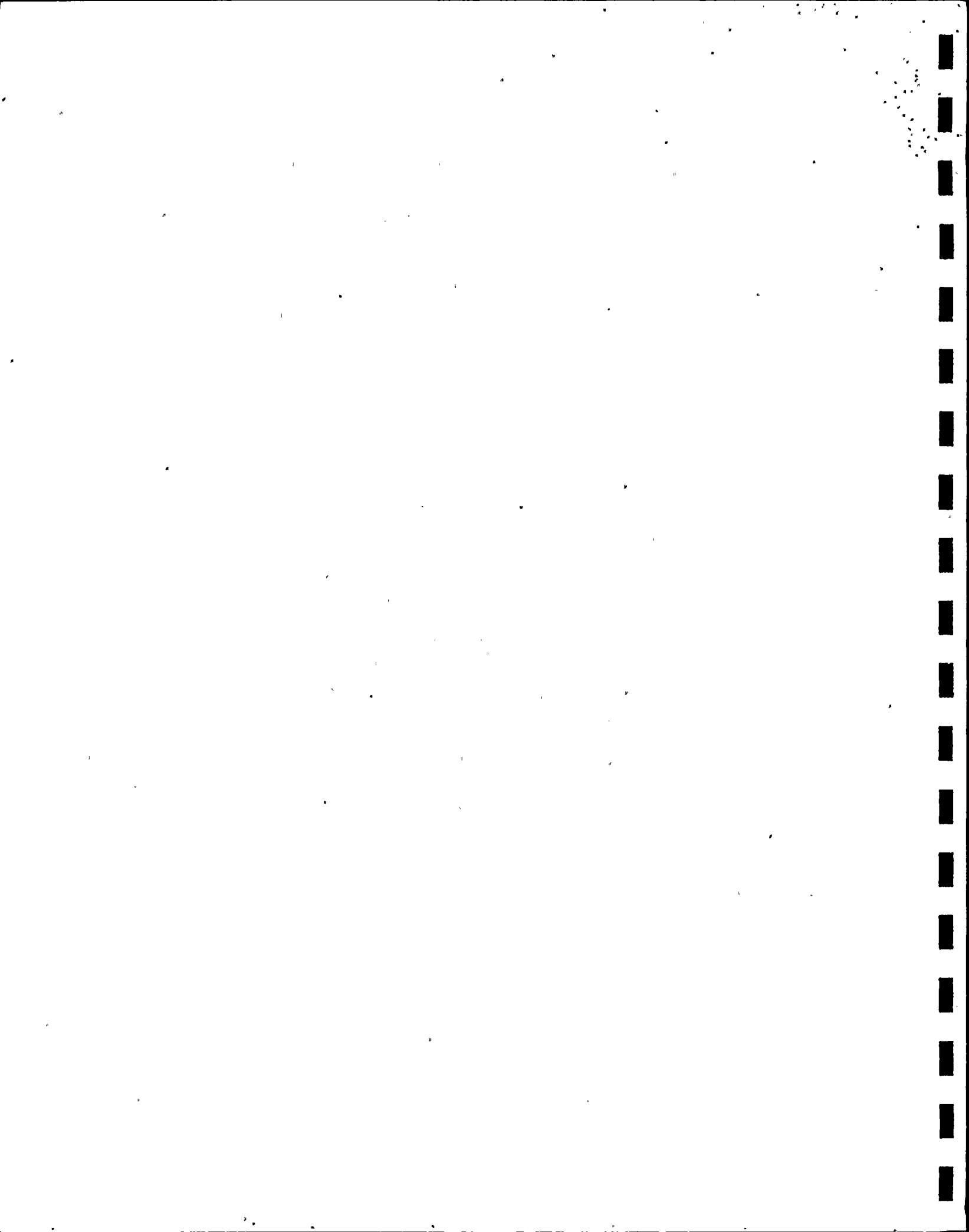
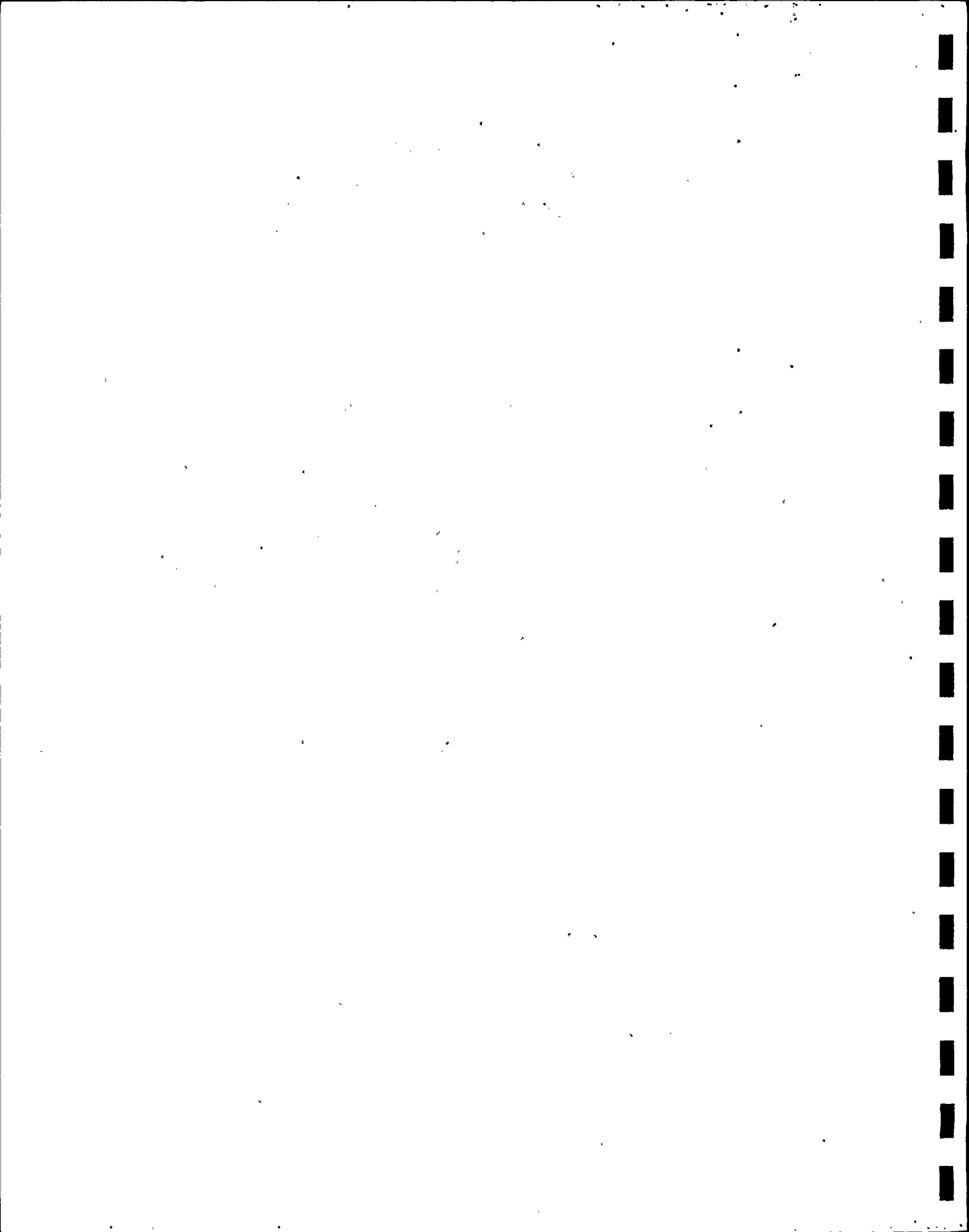


TABLE 9
NIAGARA MOHAWK POWER CORPORATION'S
Six (or fewer if there are not six) Lowest Industrial or
Large Commercial Rates for Firm Electric Power Supply
Year 1971

| | P.S.C. Schedules No. 207 (Electricity) | | | |
|--|--|---------------|-------------|-------------|
| | S.C. 2 | S.C. 3 | S.C. 4 | S.C. 5 |
| 1. Average Number of Customers | 125,993 | 5,985 | 45 | 38 |
| 2. Energy Delivered (MWH) | 2,246,181 | 10,924,543 | 876,035 | 325,713 |
| 3. Total Revenue (\$) | \$64,809,642 | \$132,165,309 | \$8,630,935 | \$3,538,771 |
| 4. Revenue from Demand Charge (\$) | 0 | \$44,752,264 | \$2,363,670 | \$1,129,497 |
| 5. Revenue from Energy Supplied (\$) | \$64,809,642 | \$87,413,045 | \$6,267,265 | \$2,409,274 |
| 6. Billing Demand per KW per Month (\$) | 0 | \$1.50 | \$1.31 | \$1.39 |
| 7. Average Hrs. Use of Demand * | 0 | 365 | 484 | 401 |
| 8. Demand Rate in Mills per KWH | 0 | 4.10 | 2.70 | 3.47 |
| 9. Energy Rate in Mills per KWH | 28.85 | 8.00 | 7.15 | 7.39 |
| 10. Total Rate in Mills per KWH | 28.85 | 12.10 | 9.85 | 10.86 |
| 11. Portion of Charges attributed to Bulk Power Supply | NA | NA | NA | NA |

(* Average of 1970 (most recent data unavailable).

(NA) Denotes information is not available.



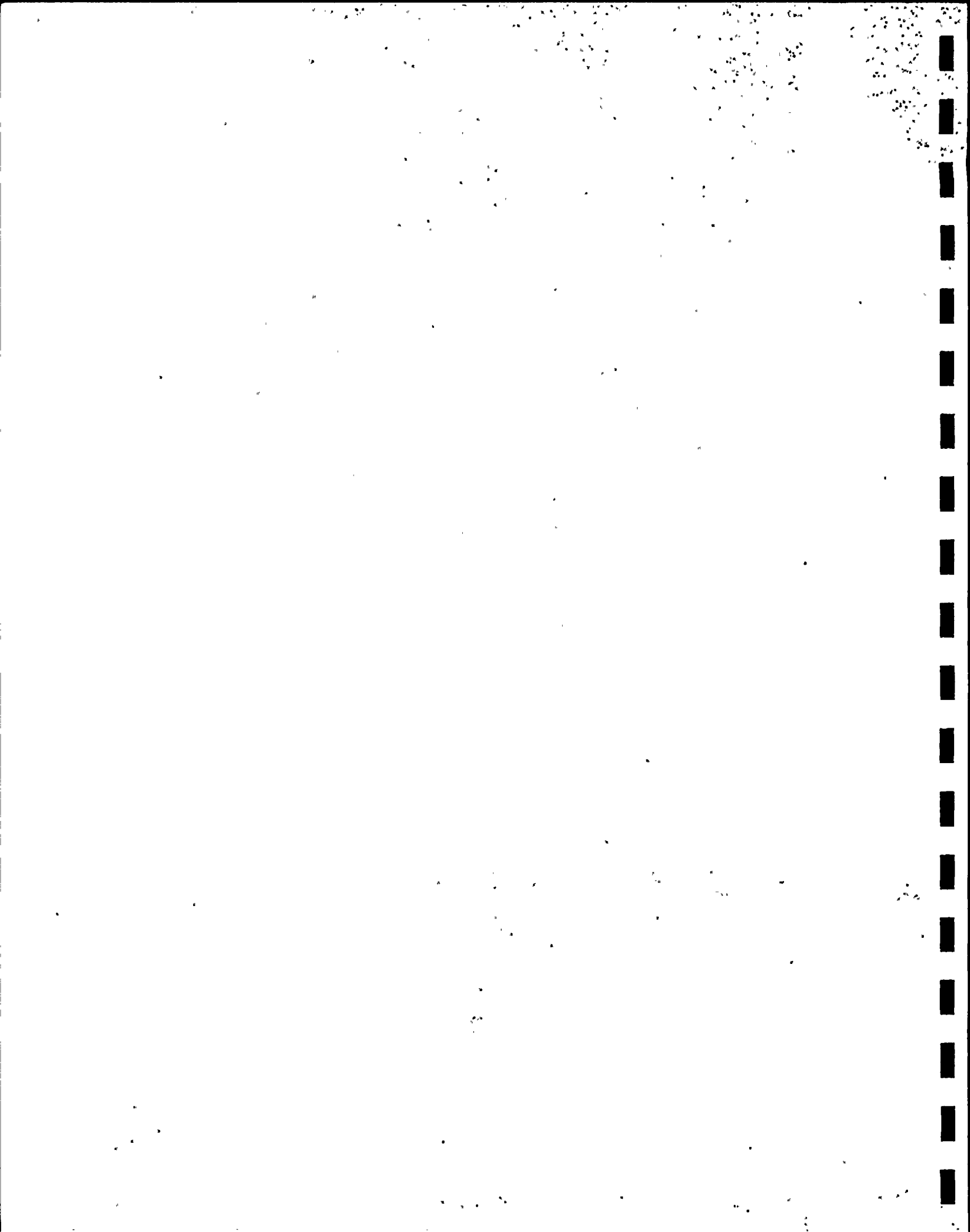
No precise determination of the portion of the charge attributable to bulk power supply has been made and accordingly is not available.

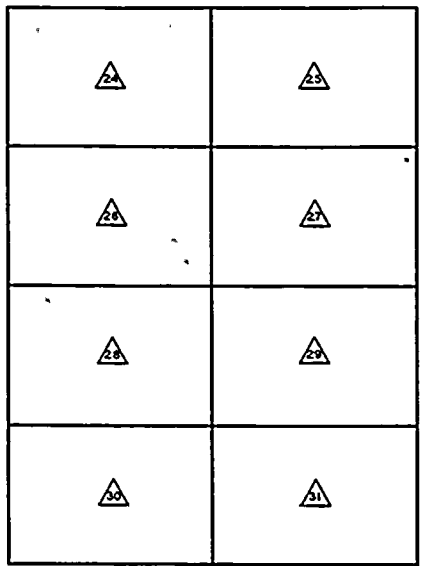
Applicant has no special contract rates which differ from those shown in Attachment III and Table 9, for industrial and large commercial service from its sources of supply available for general distribution. However, under contract dated February 10, 1961, between the Power Authority of the State of New York and the Applicant, described in response to Question 13, page 16, the Applicant supplies a group of 46 large industrial customers in the Niagara Frontier area with power from the Niagara Project of the Power Authority of the State of New York at rates designated by the Power Authority in the cited contract.

The rates at which the Applicant supplies this power are identical with the rates at which the Applicant obtains it from the Power Authority plus the inclusion of transmission and applicable gross revenue tax costs as provided in said contract.

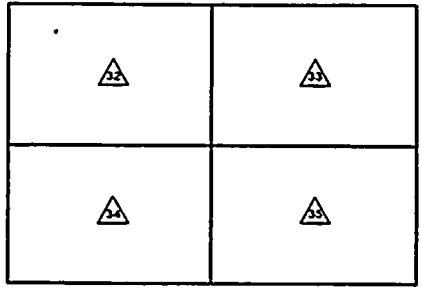
The average costs for 1971 for supply to these customers in terms of power and energy in mills per kilowatthour, and separately the demand and energy components, were 4.84 mills per kilowatthour, of which, the demand component was 2.17 mills per kilowatthour and the energy component was 2.67 mills per kilowatthour.

With respect to the rates or rate blocks Applicant utilizes for its six (or fewer if there are not six) promotional services, the rate structure of the Applicant does not contain promotional rates for the utilization of electricity by load devices such as electric space heating, electric hot water heating, and the like.

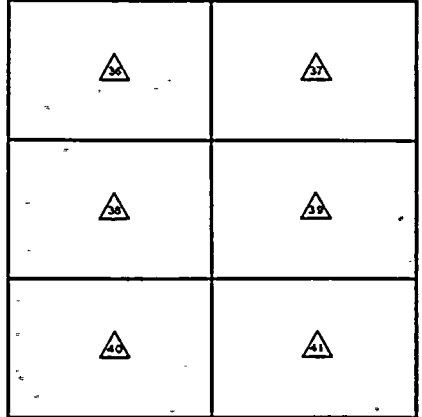




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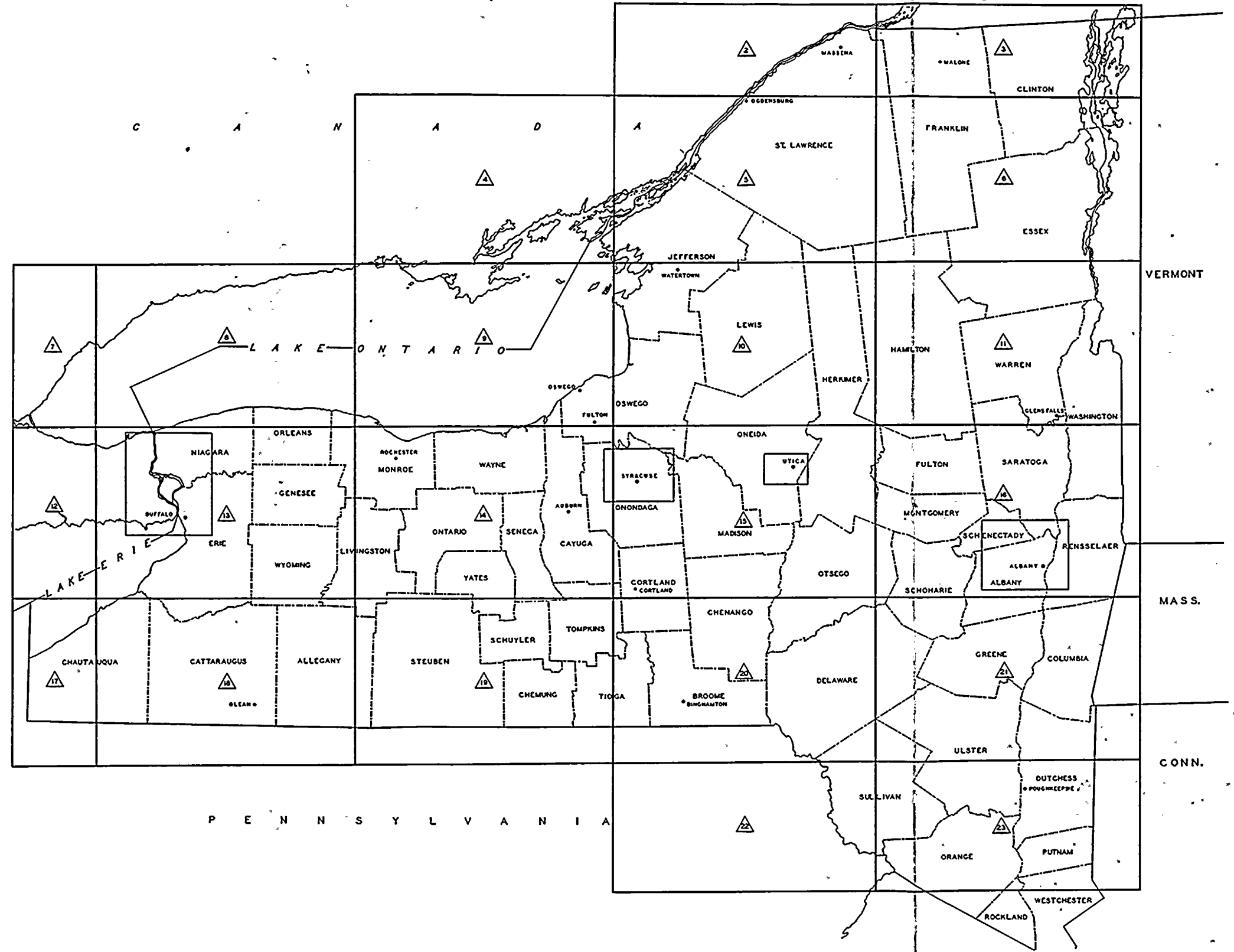
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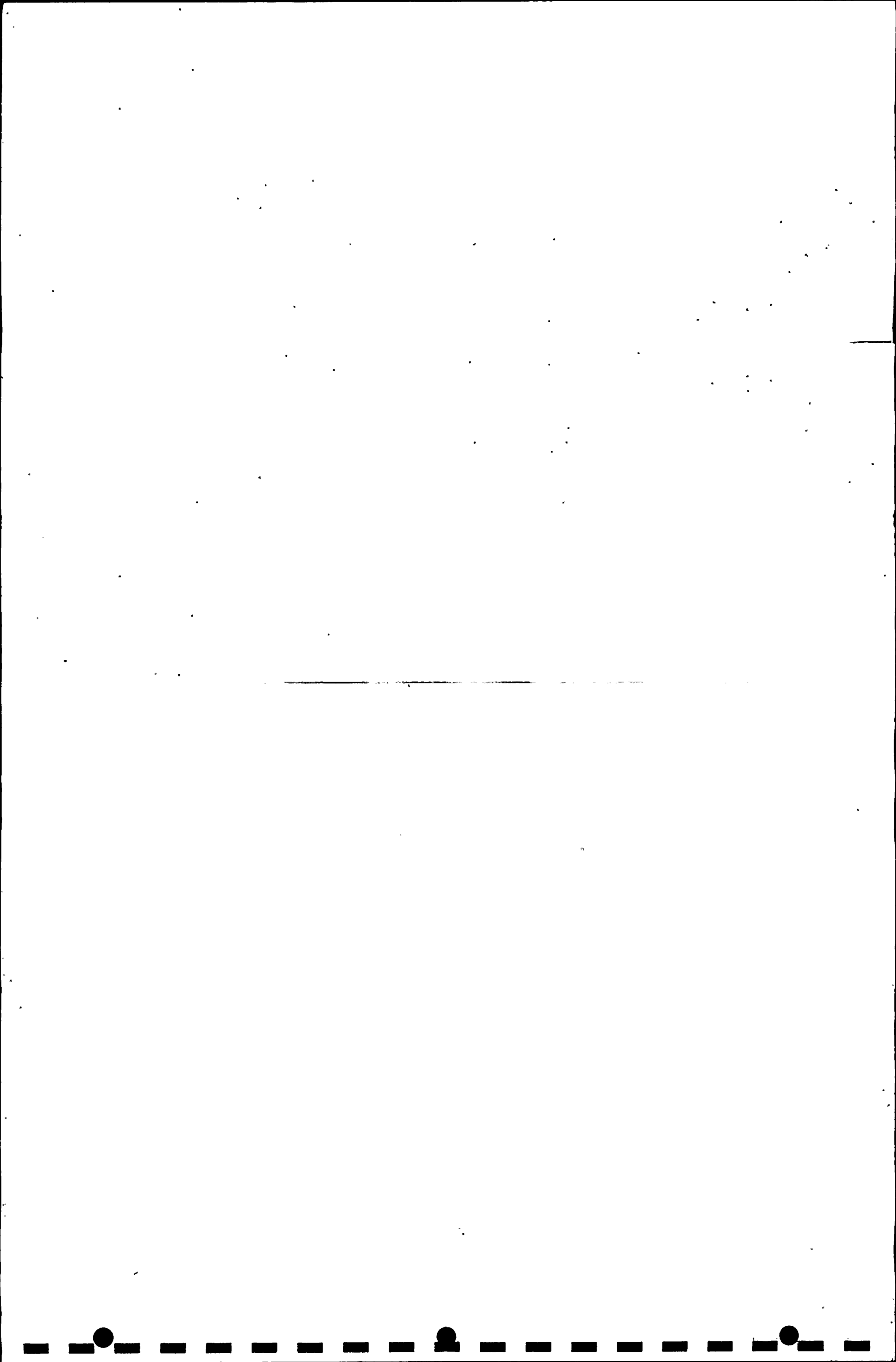
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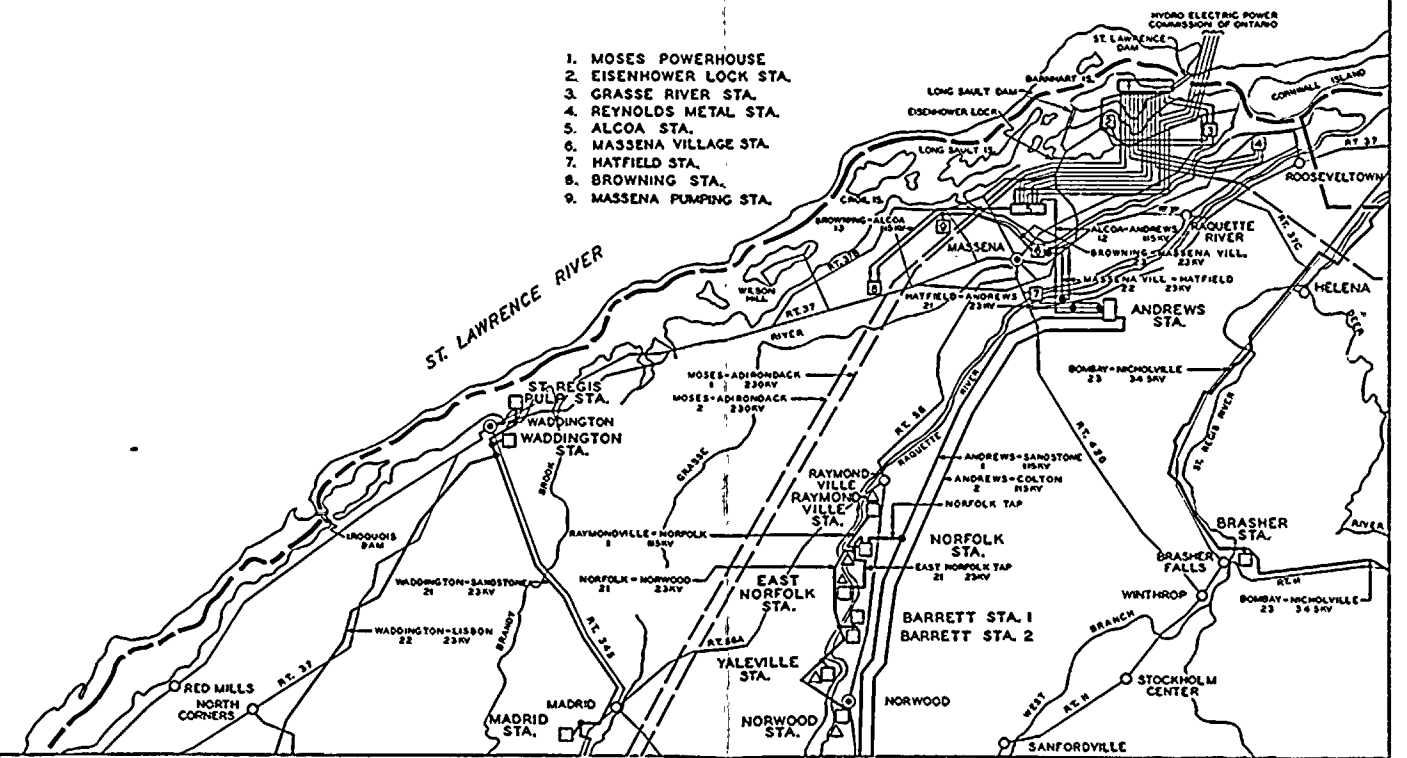
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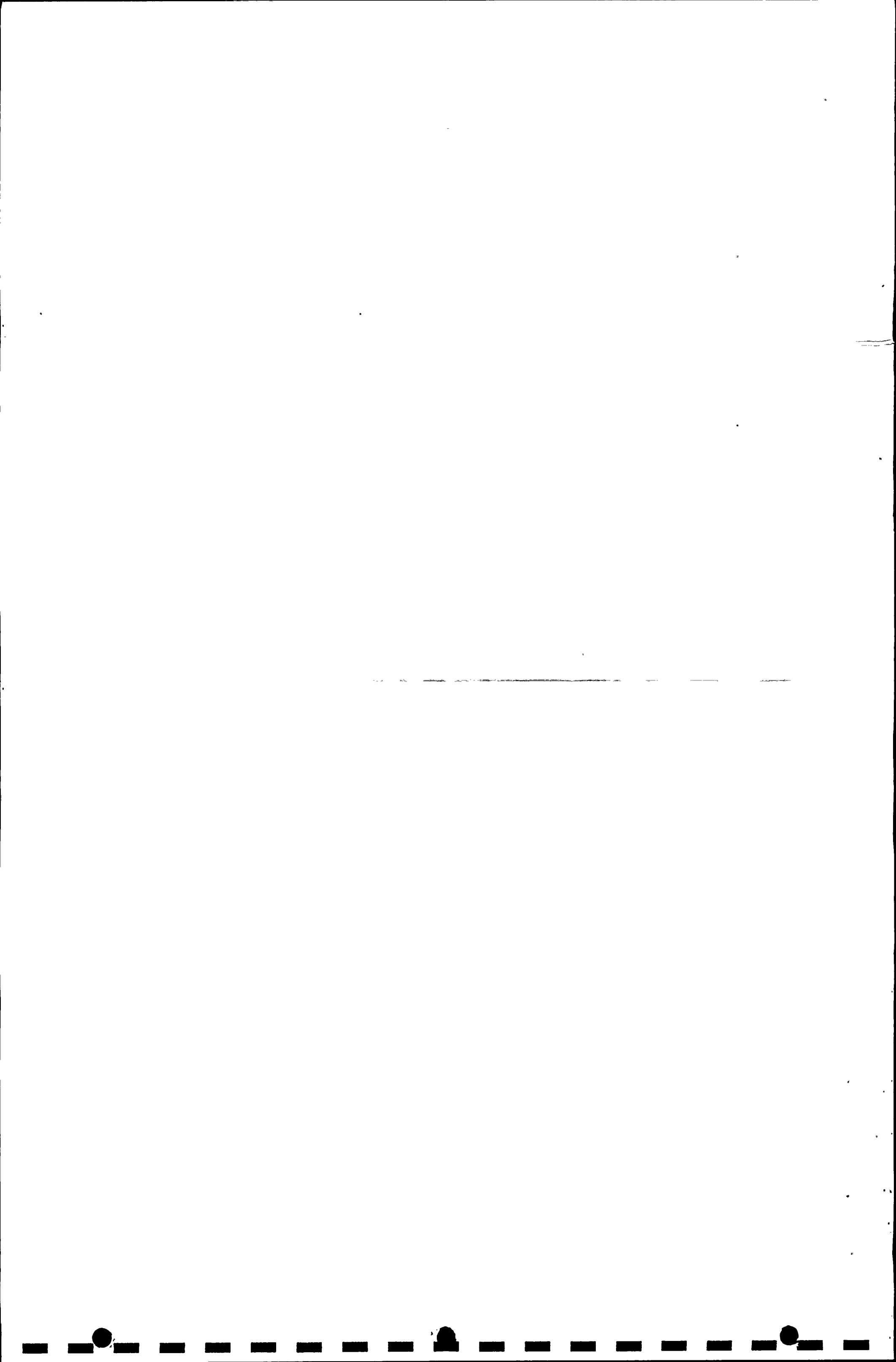
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4. REYNOLDS METAL STA.
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9. MASSENA PUMPING STA.



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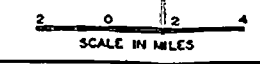
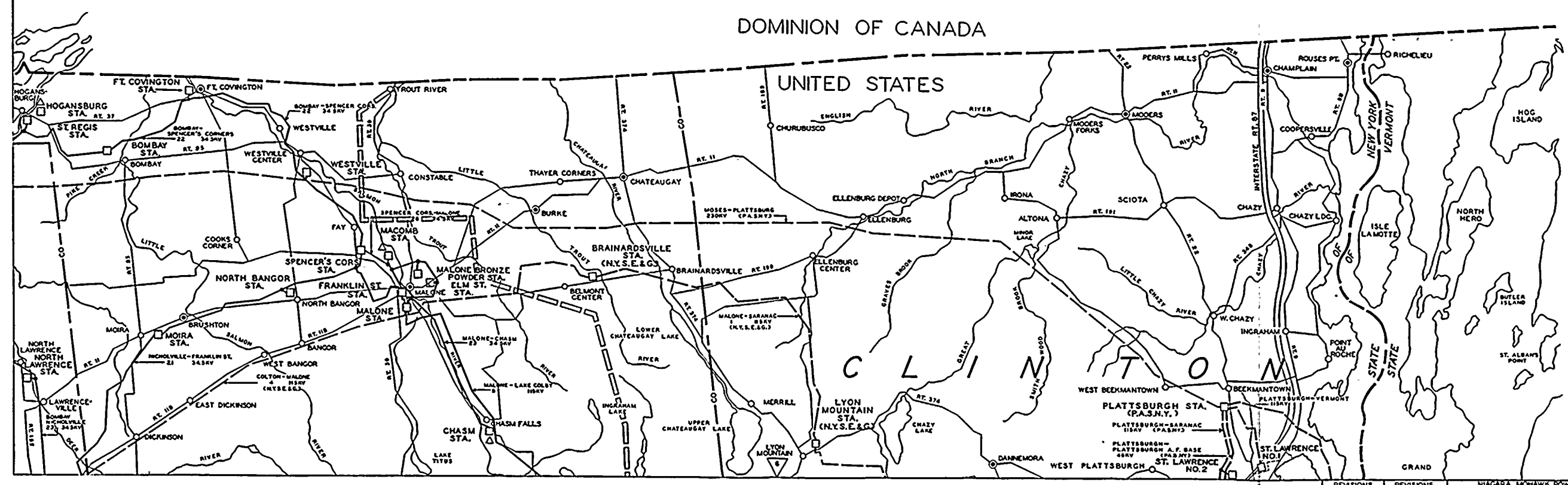
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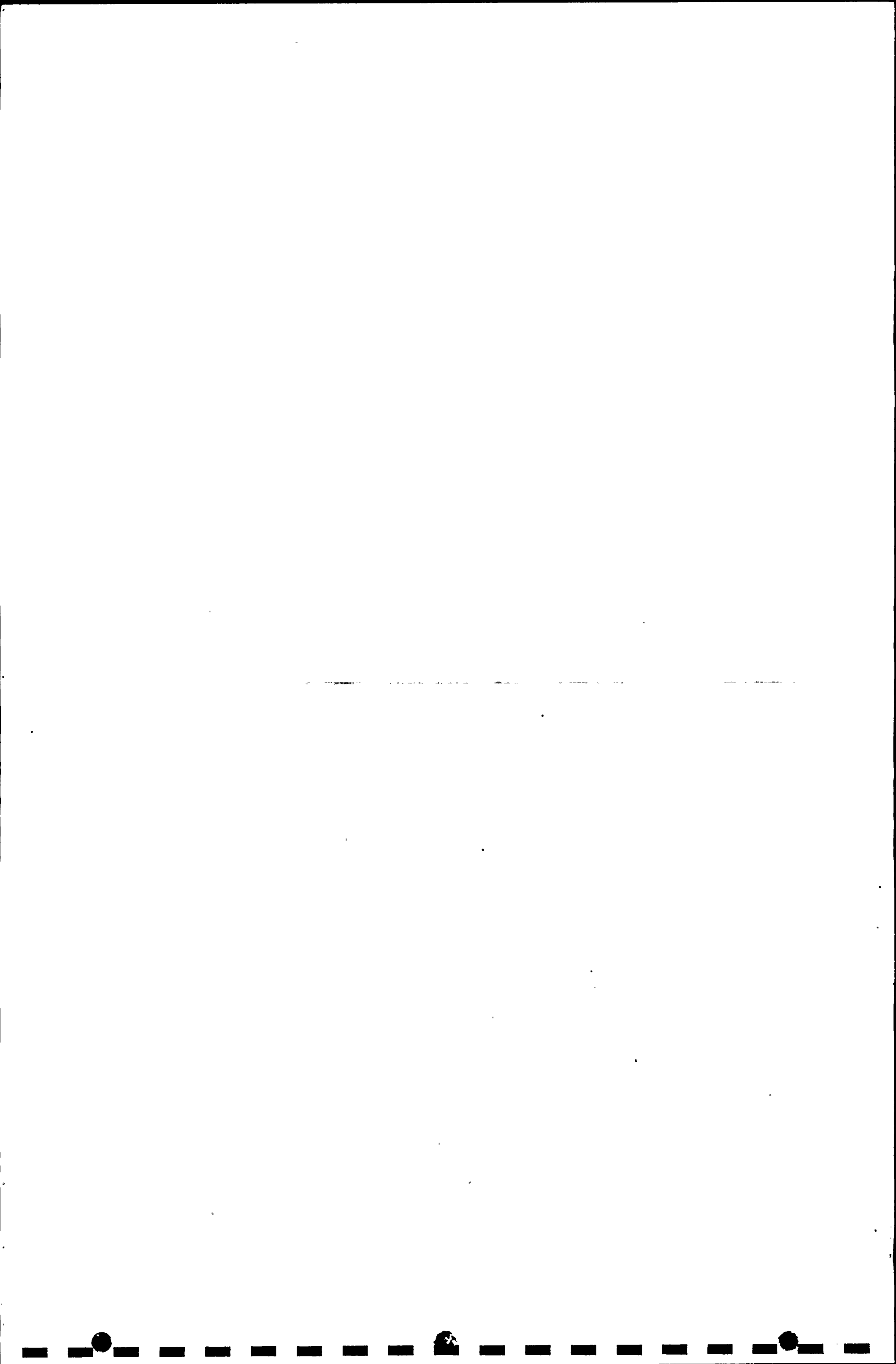
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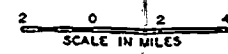
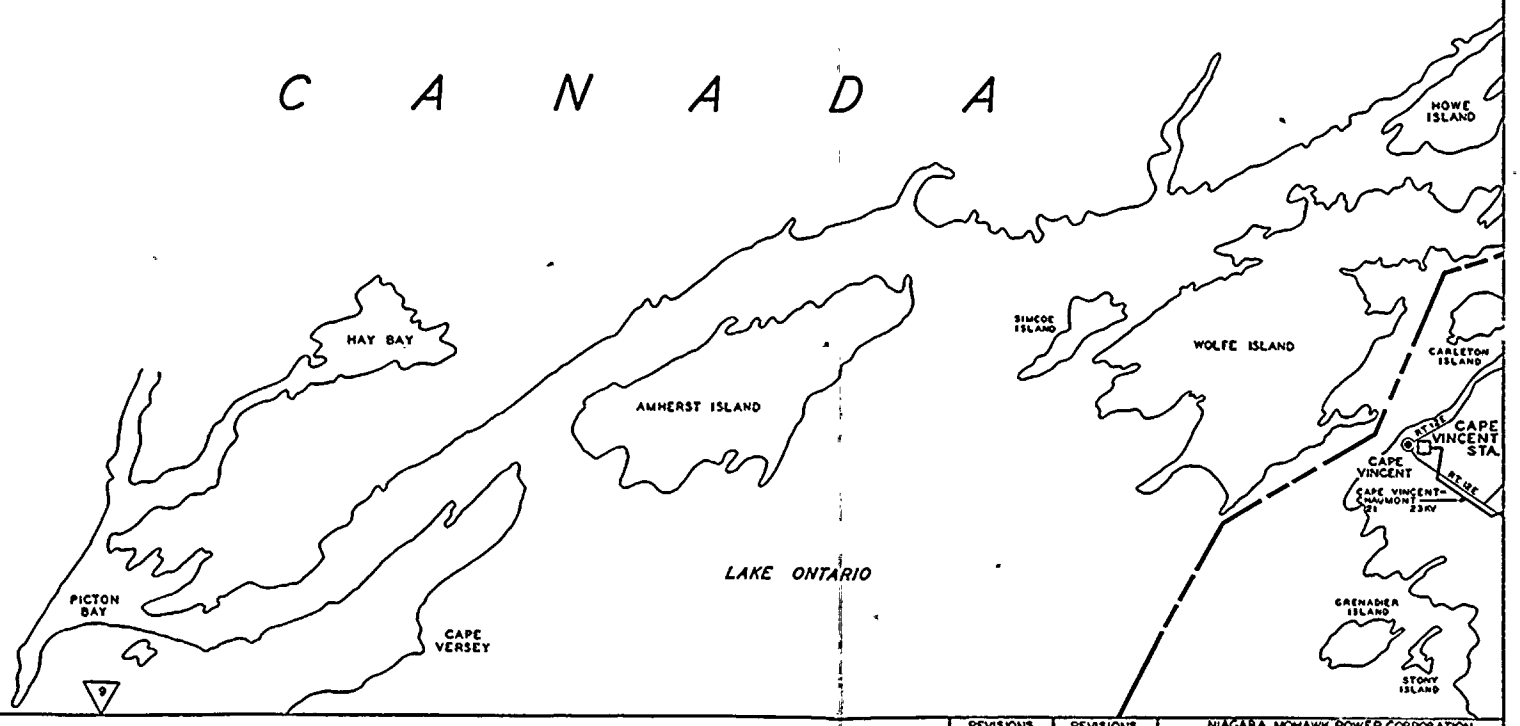


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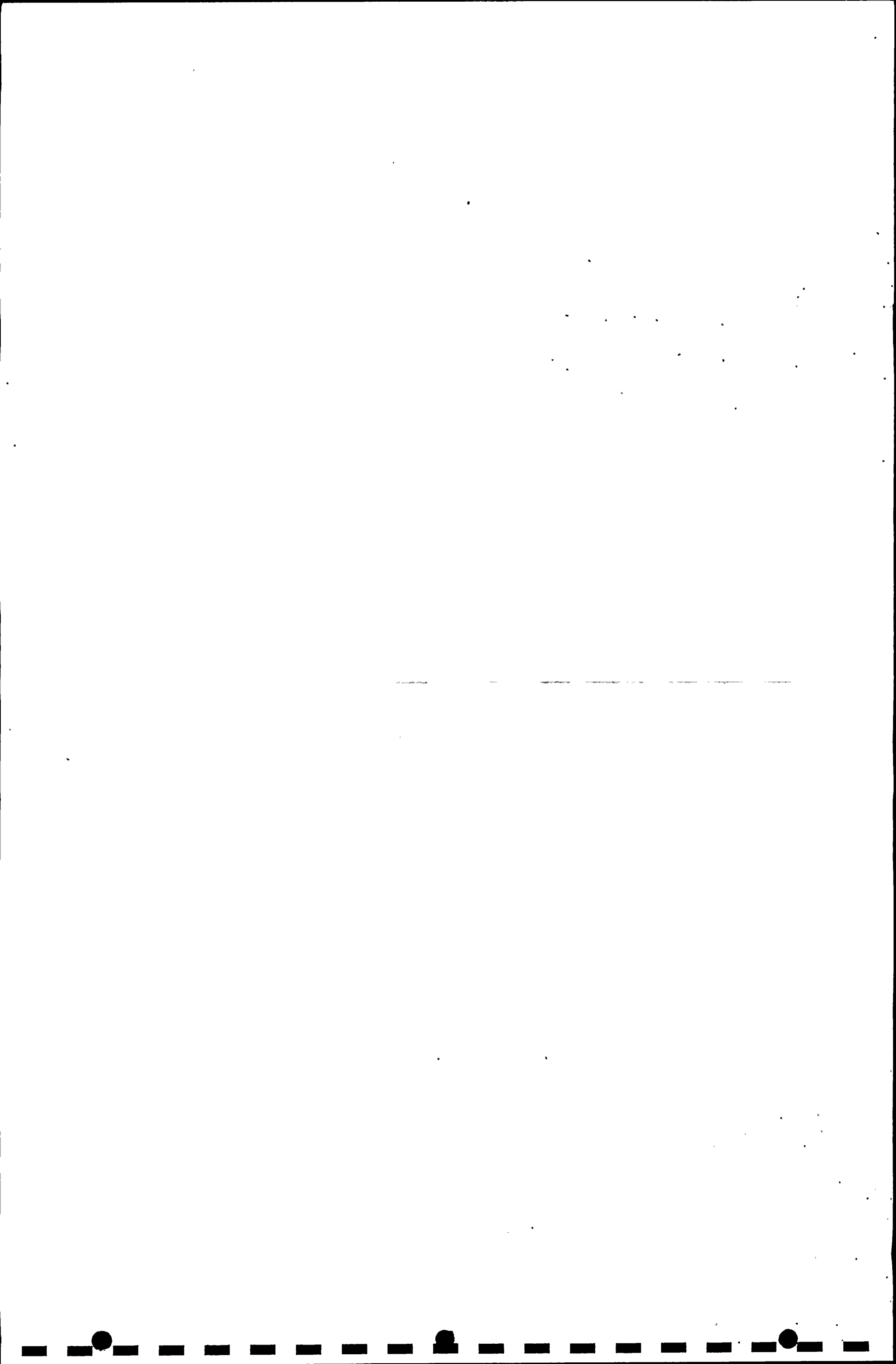
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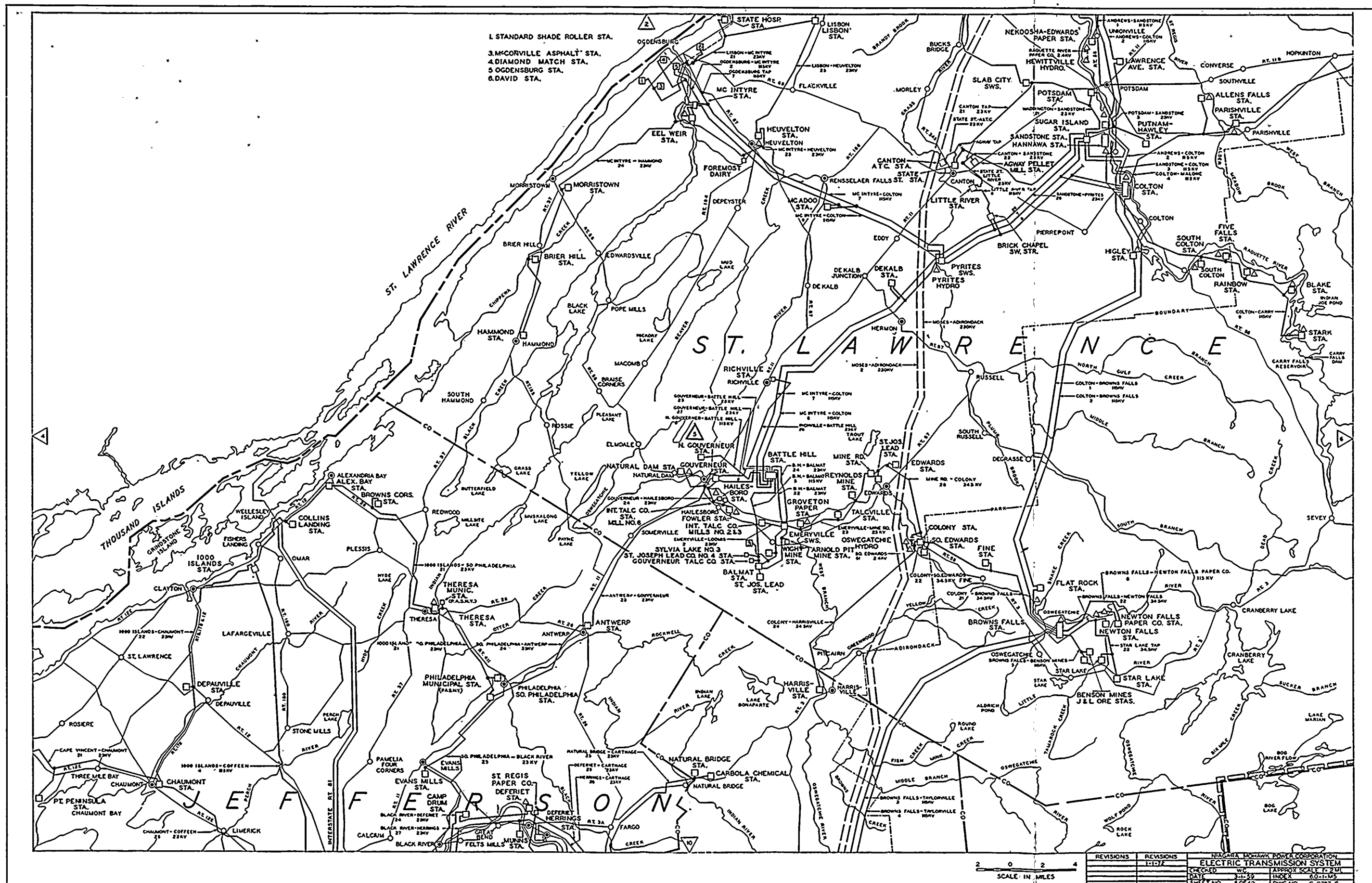


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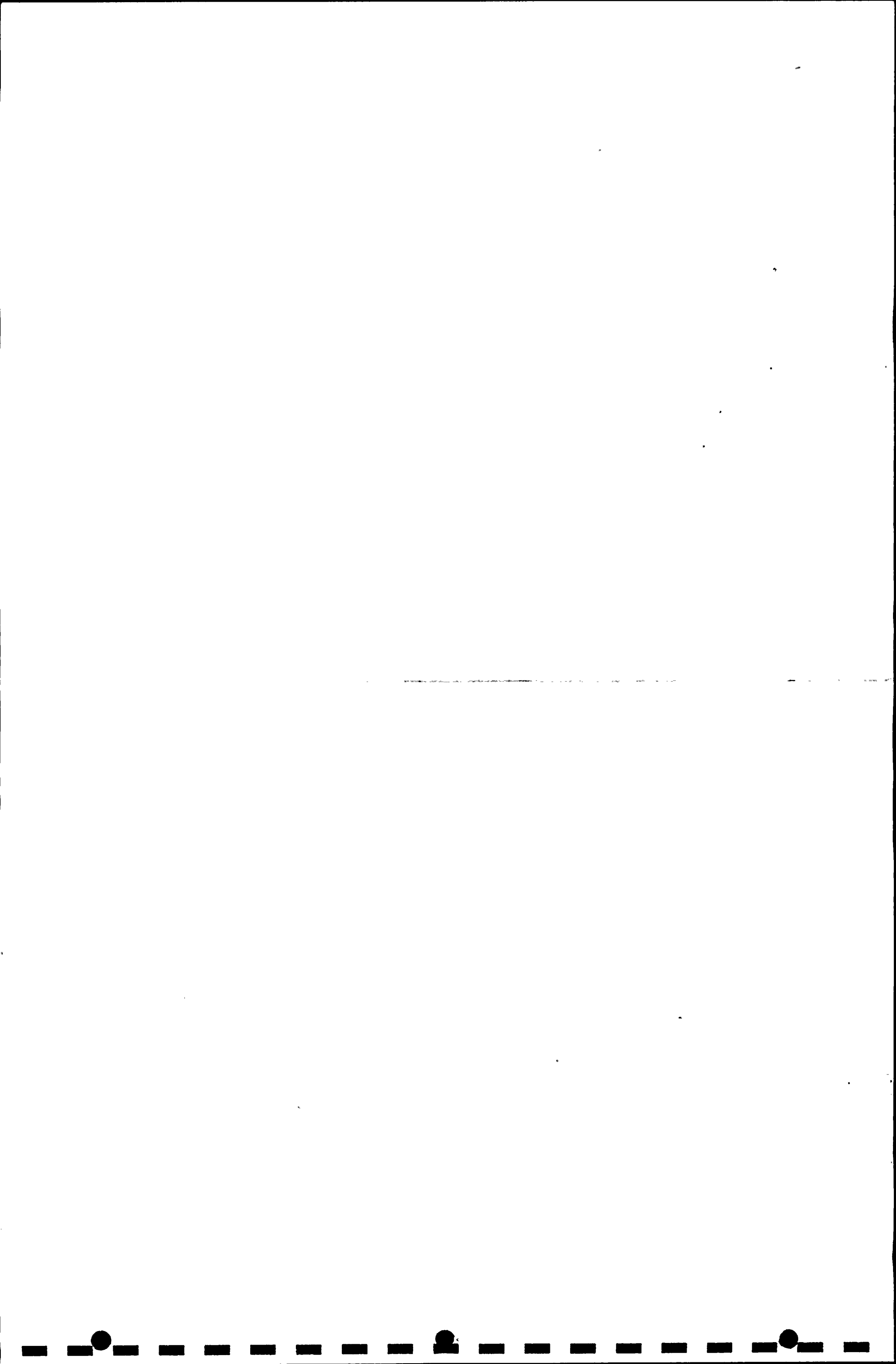


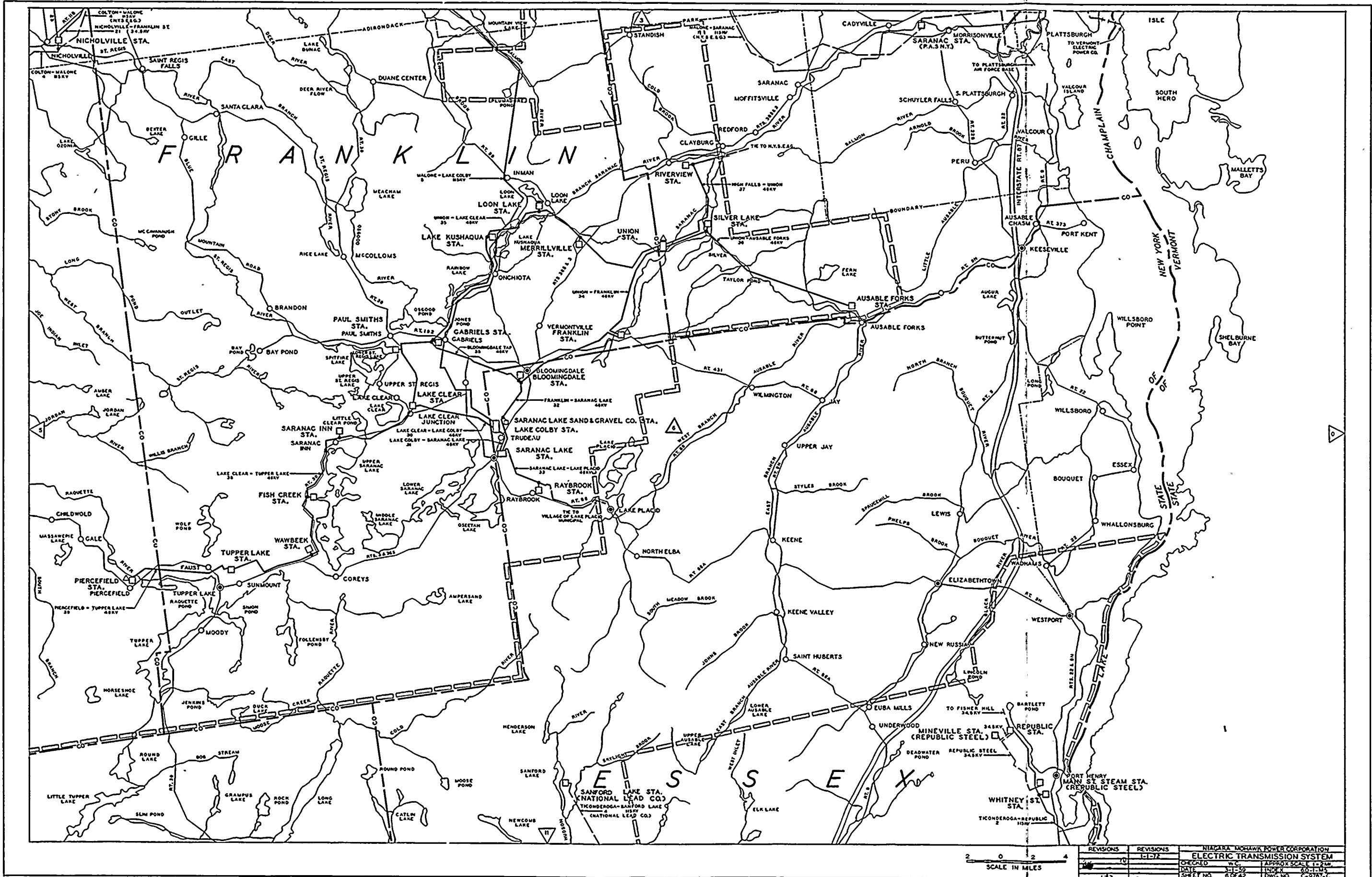
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- 5. OGDENSBURG STA.
- 6. DAVID STA.

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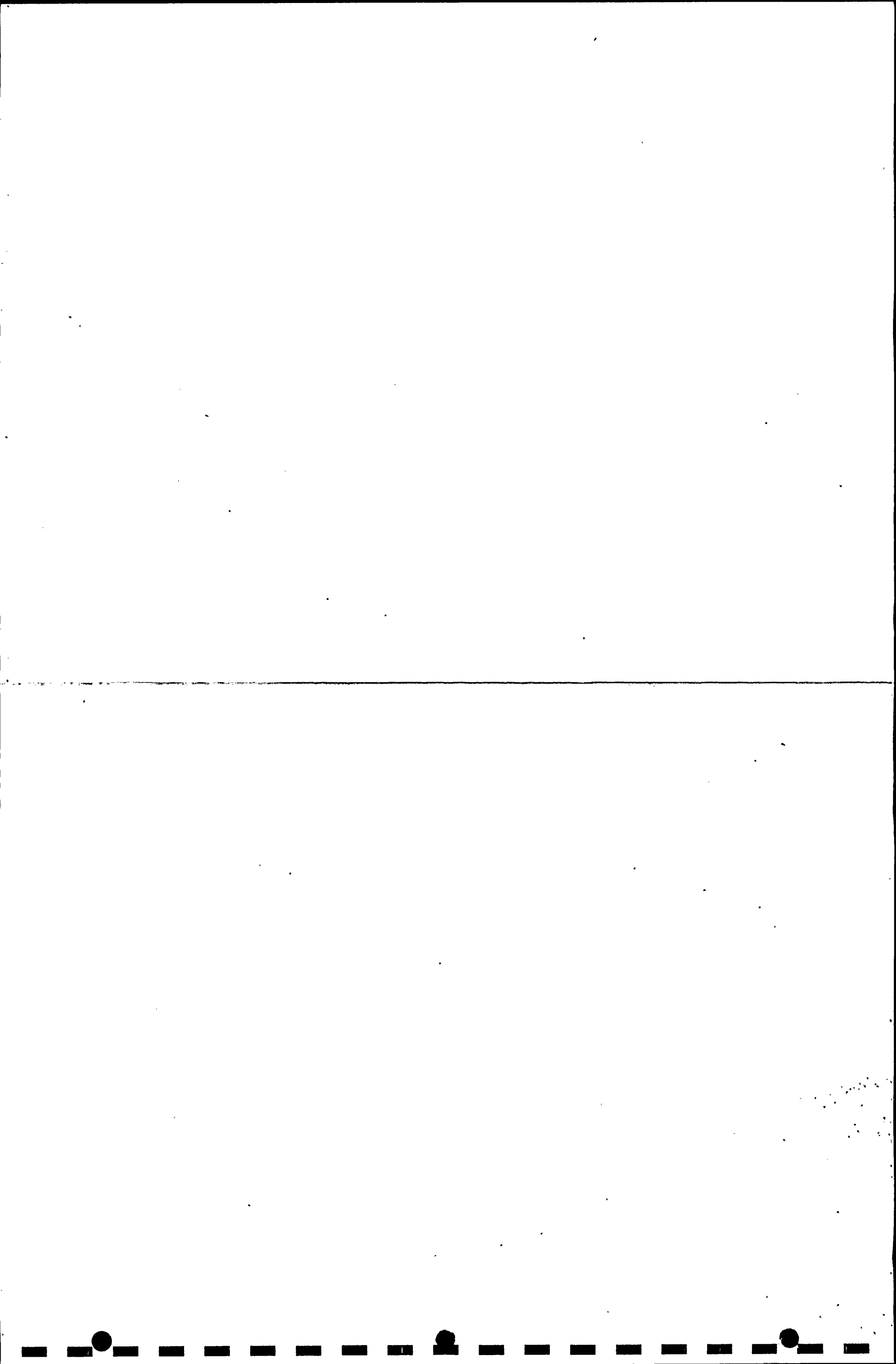


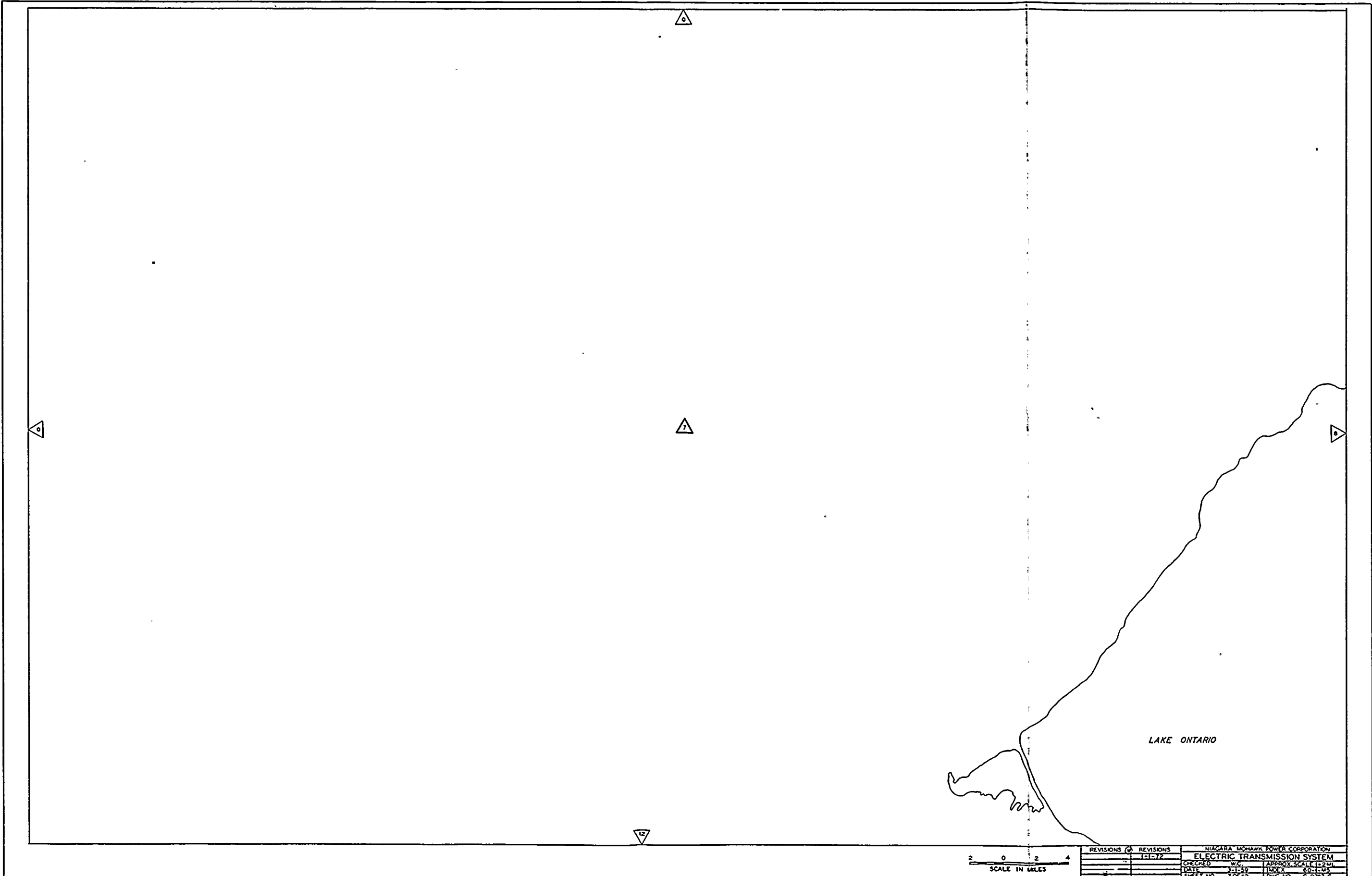


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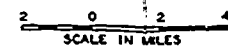
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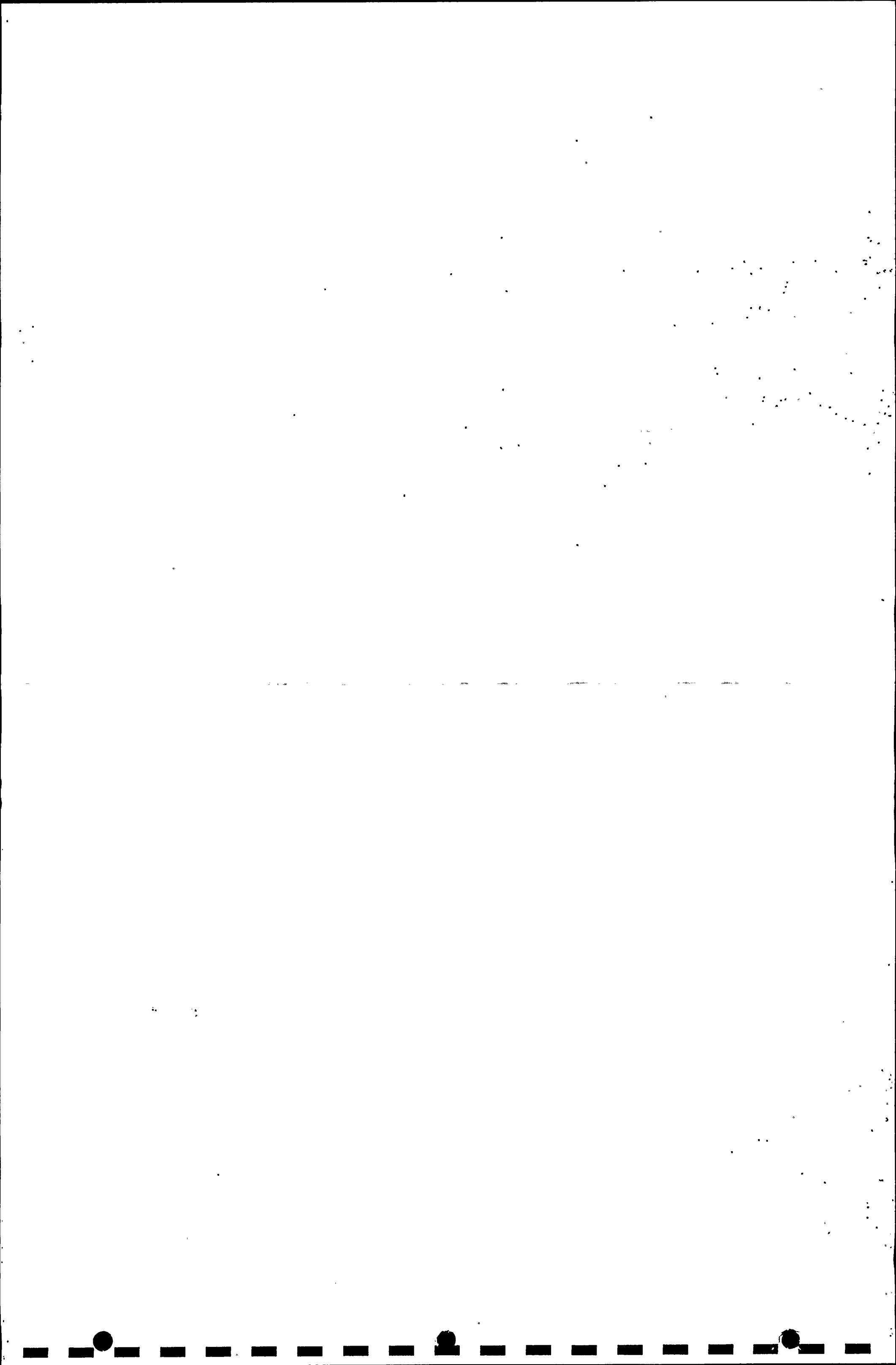


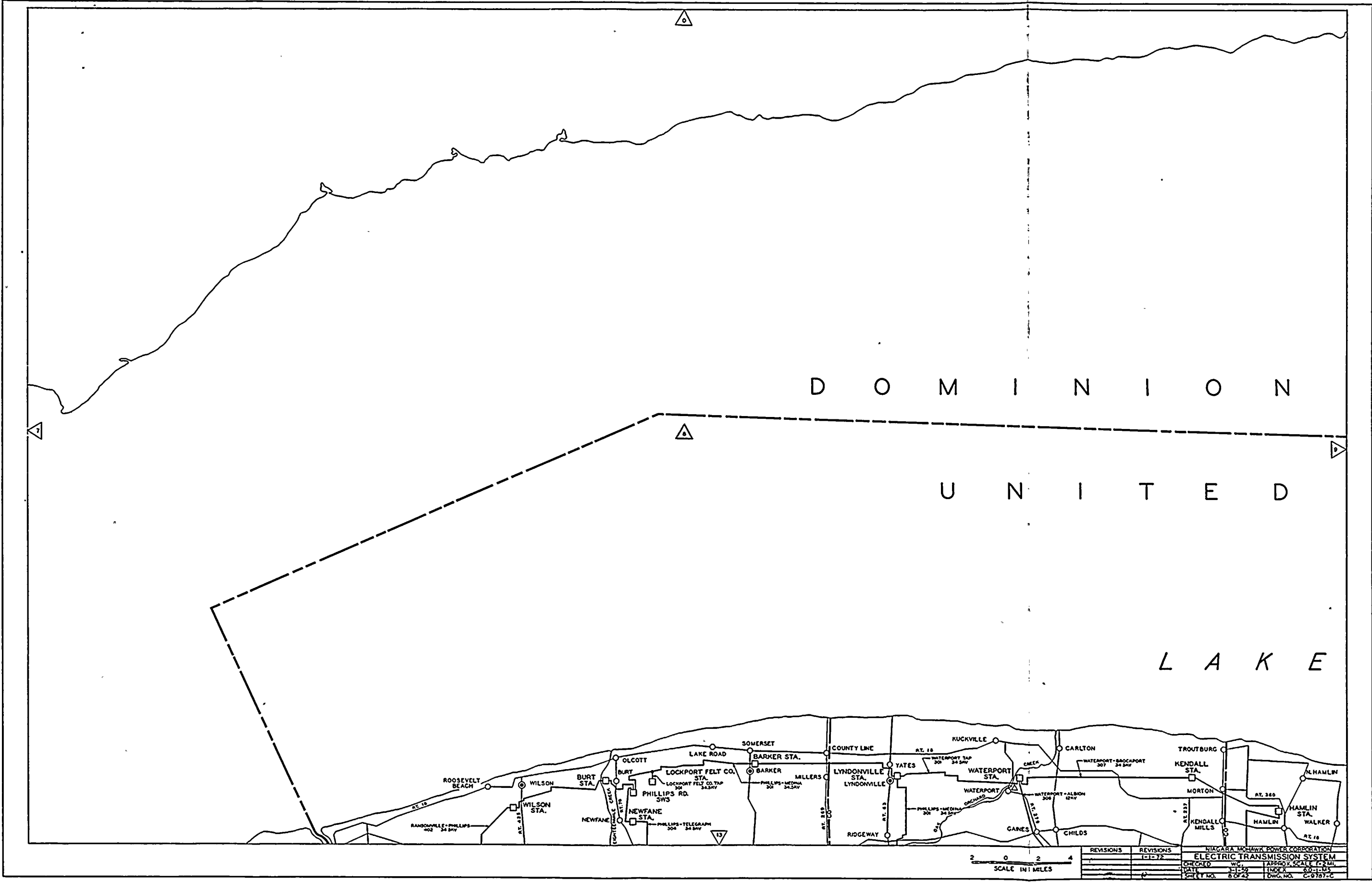


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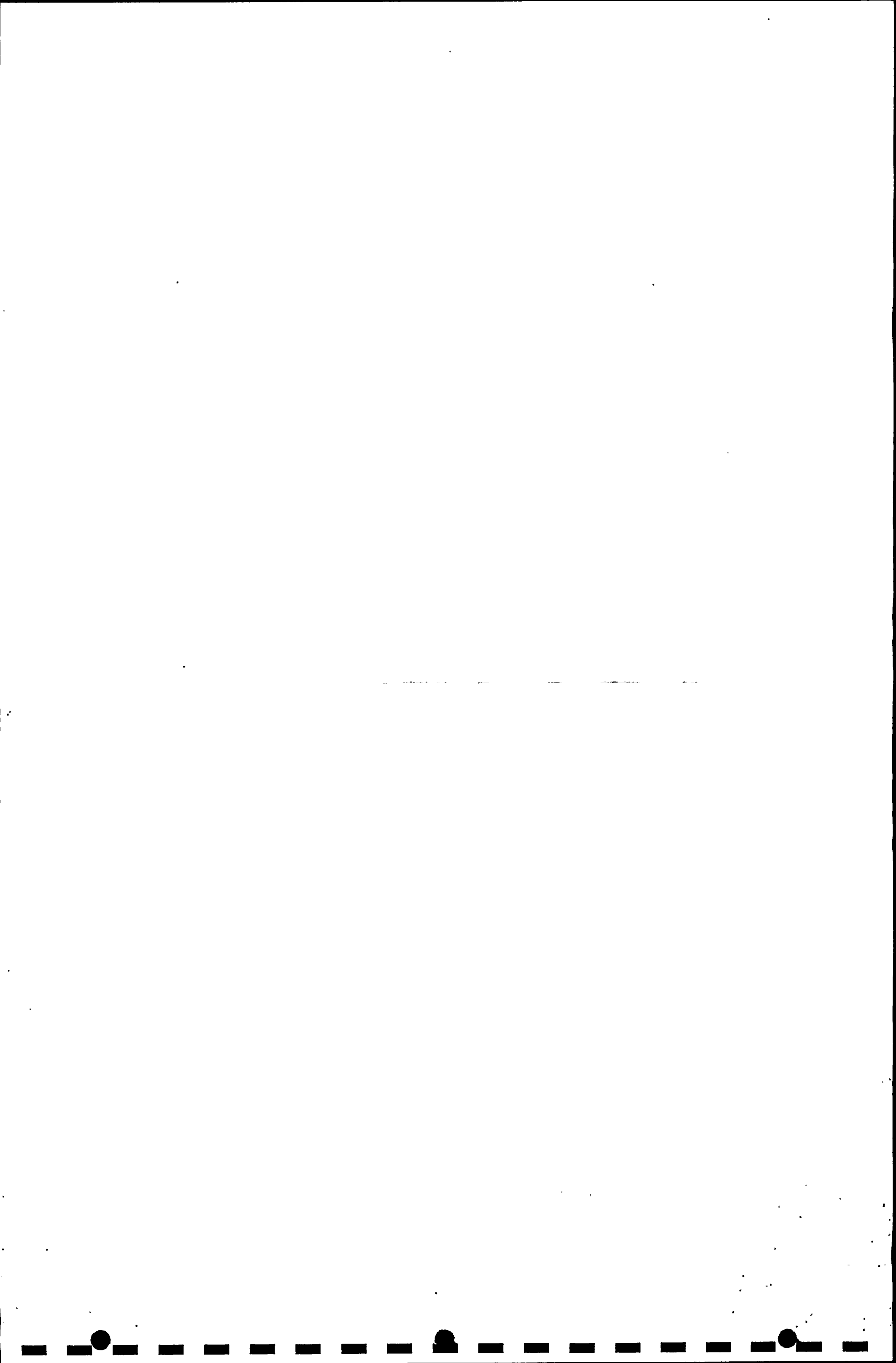
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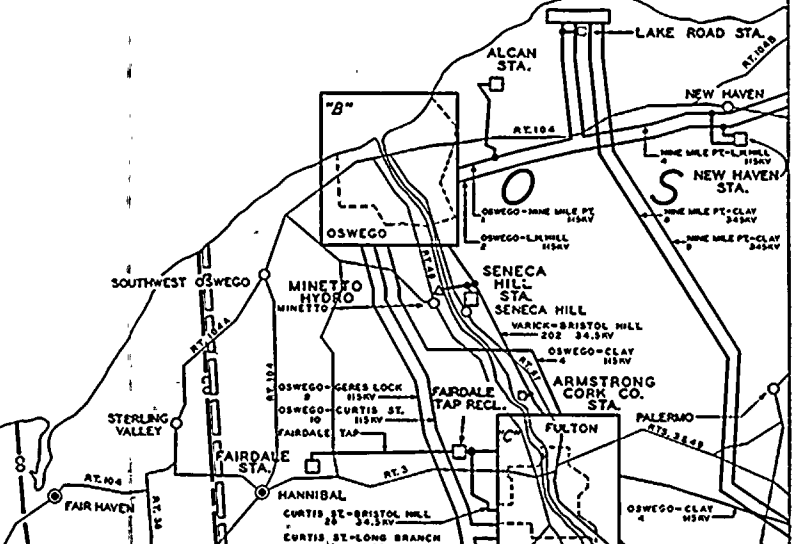
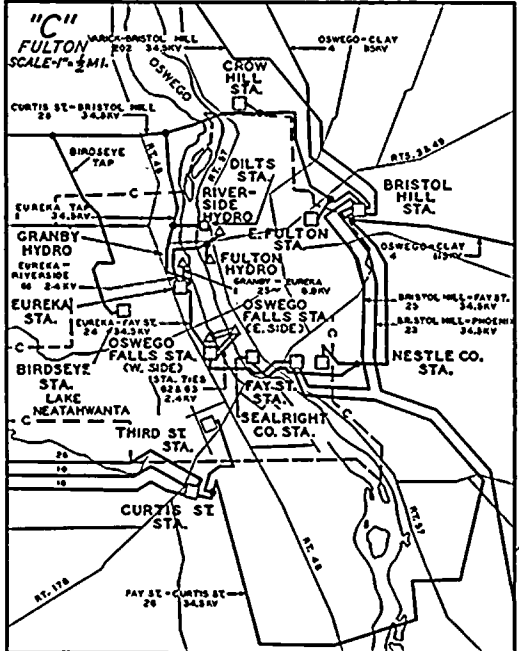
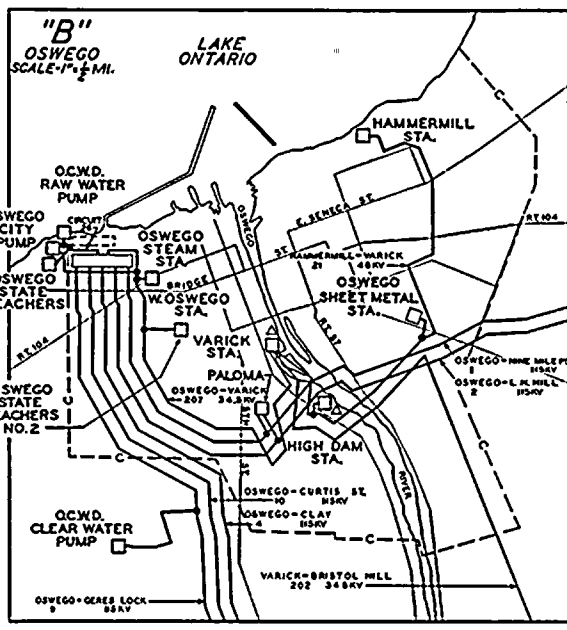
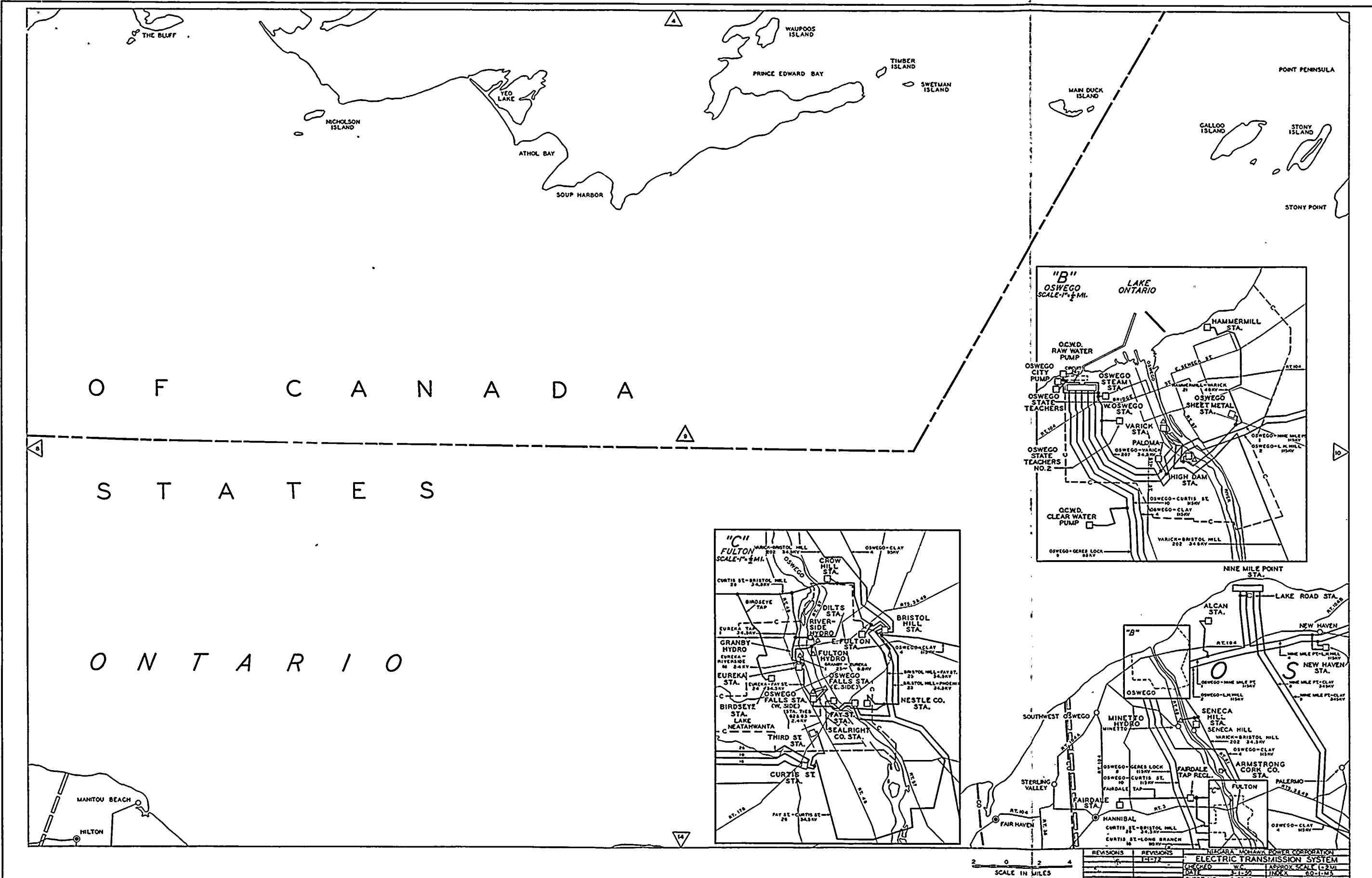
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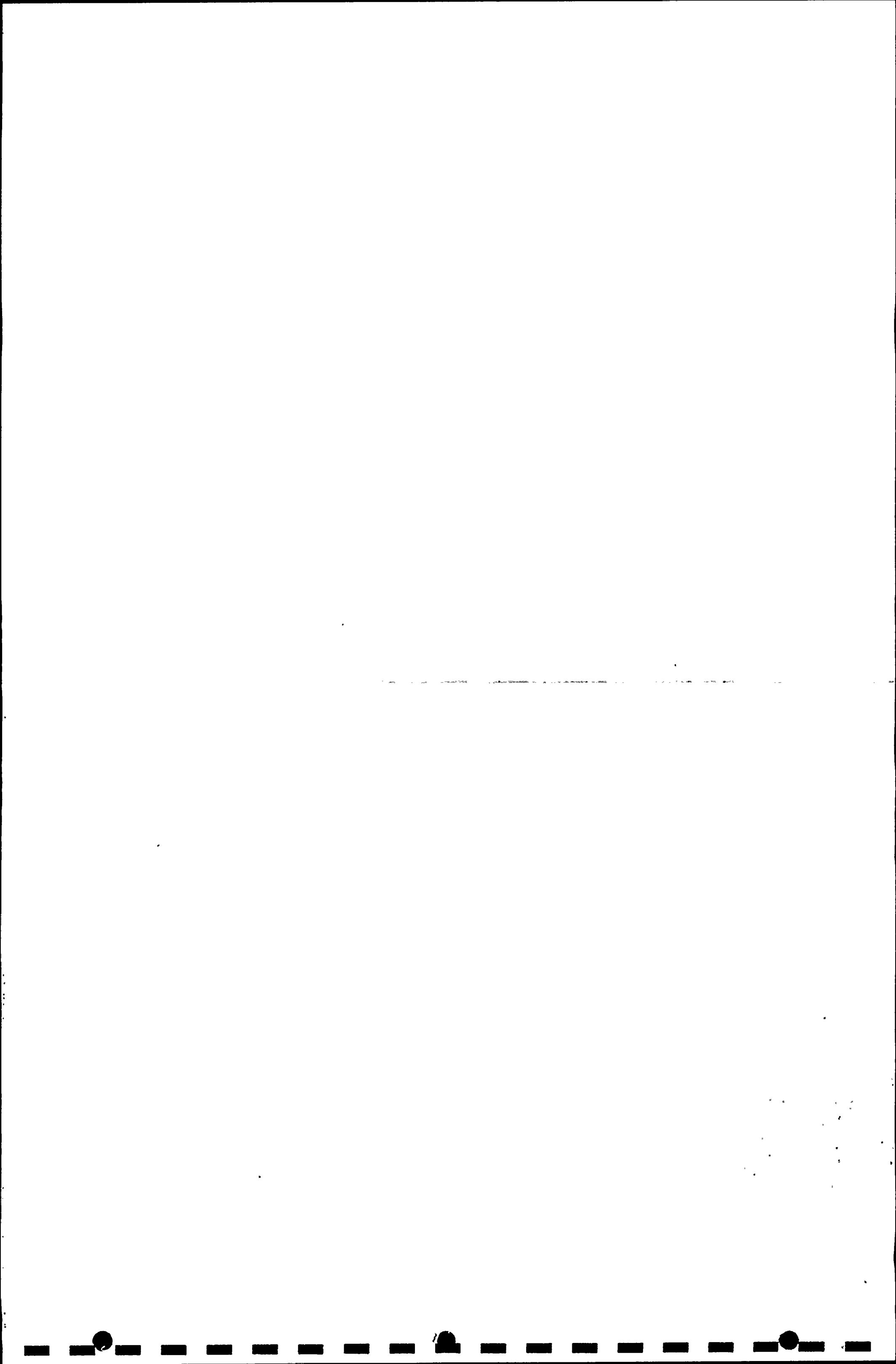
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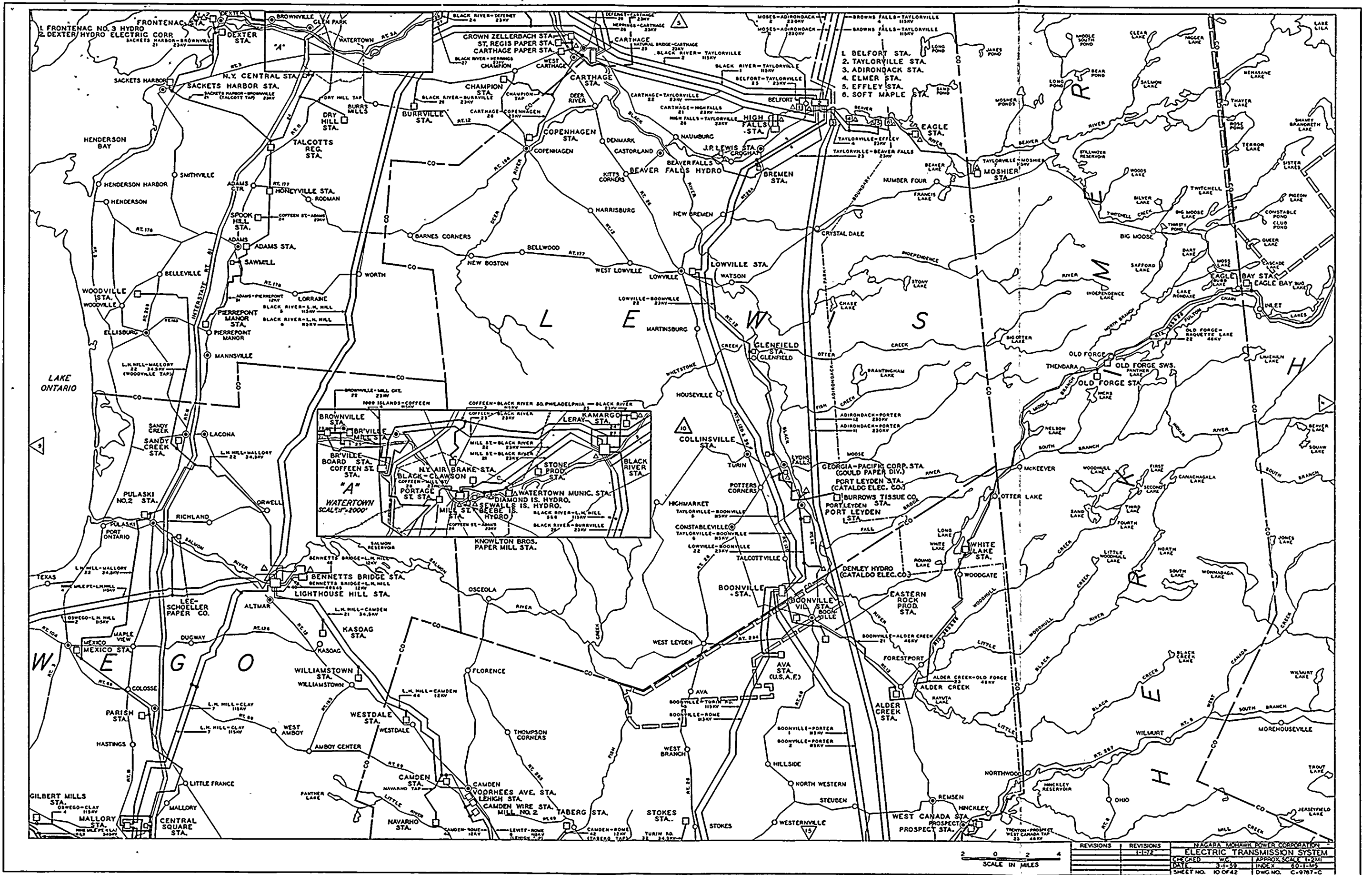


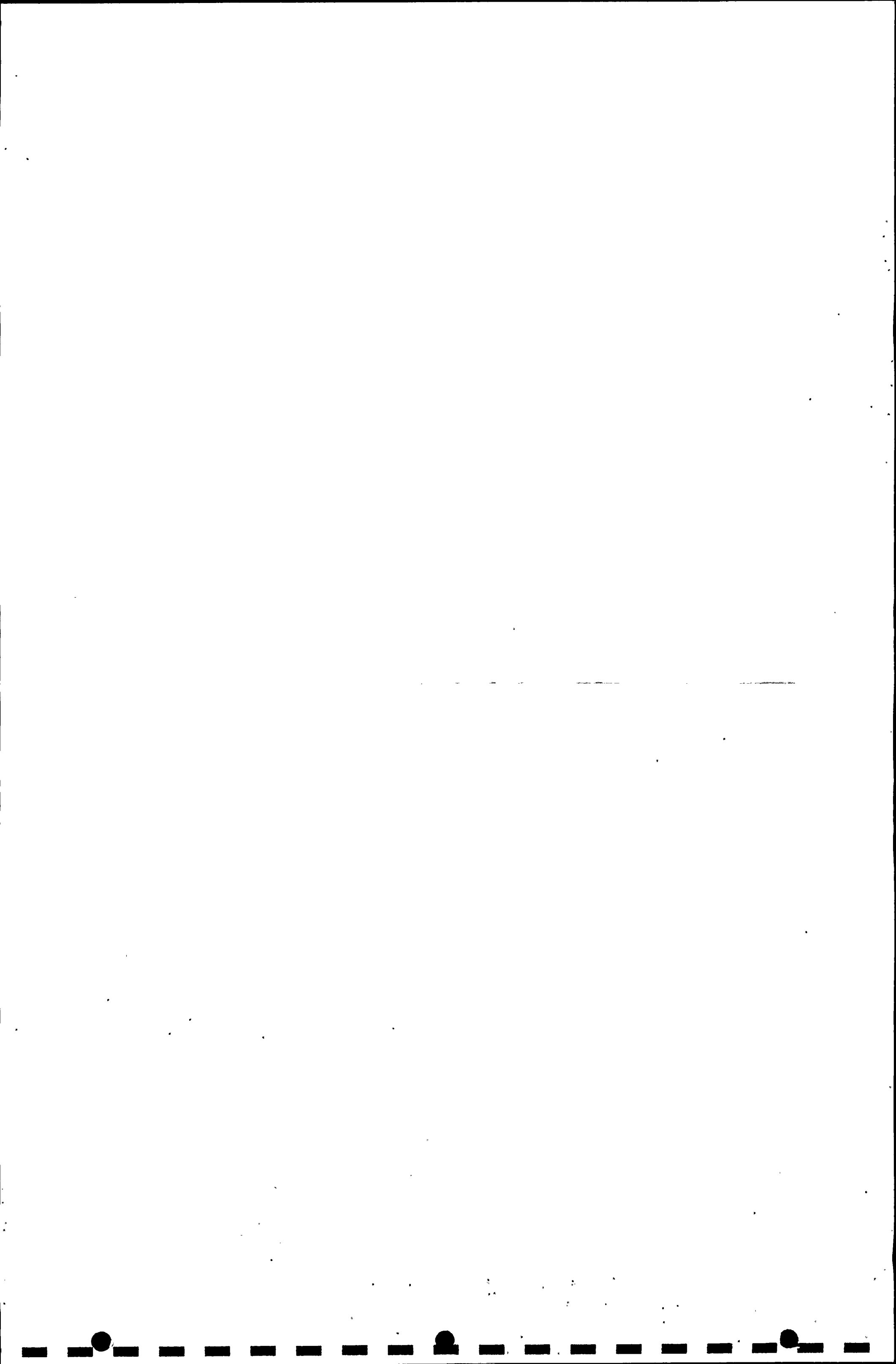


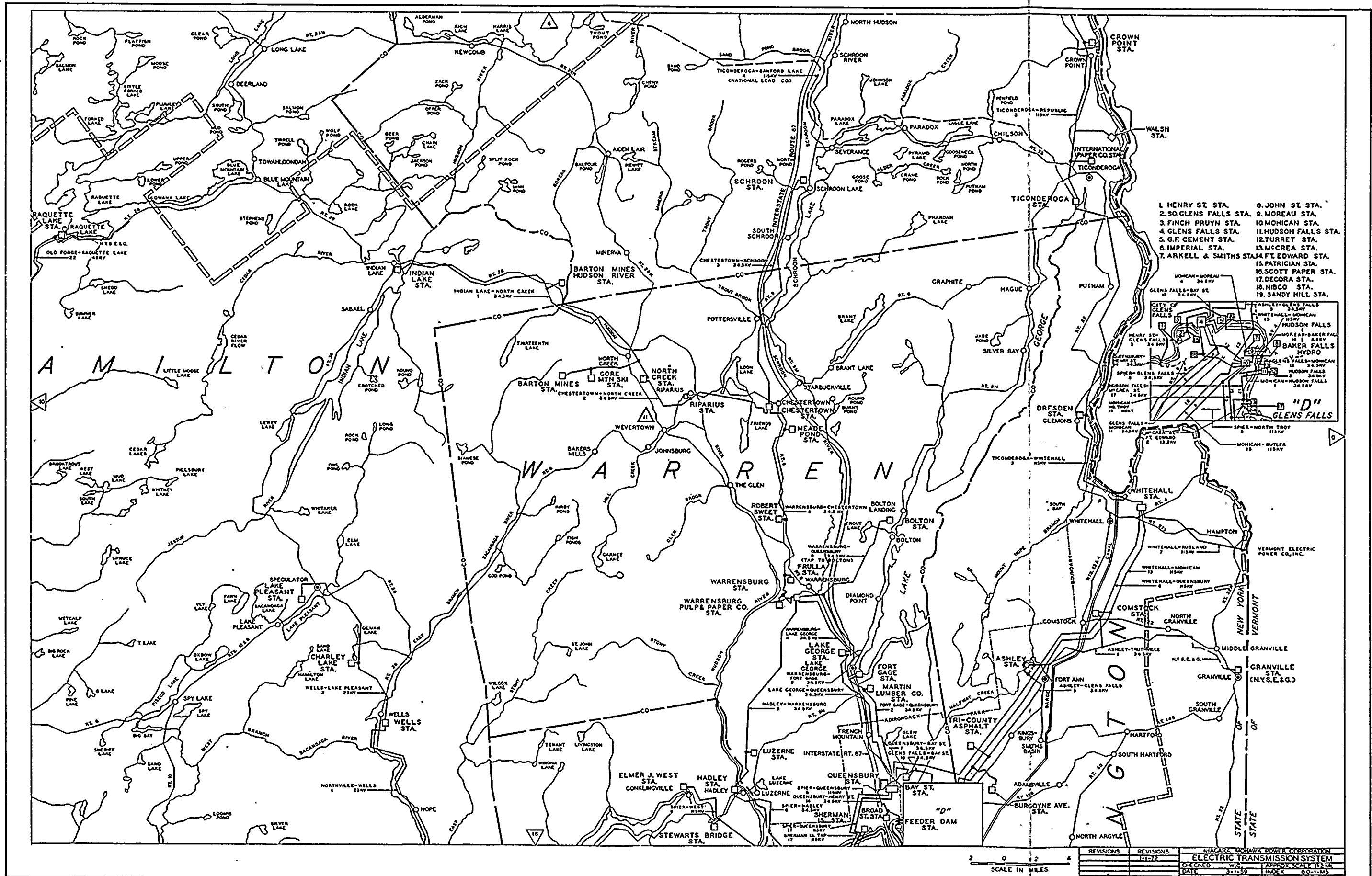
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NIAGARA-HOHAMK POWER COOPERATION
ELECTRIC TRANSMISSION SYSTEM
CHECKED W.C. APPROX SCALE 1:200
DATE 3-1-52 INDEX 60-1-MA
SHEET NO. 9 OF 42 DWG NO. C-9787-C

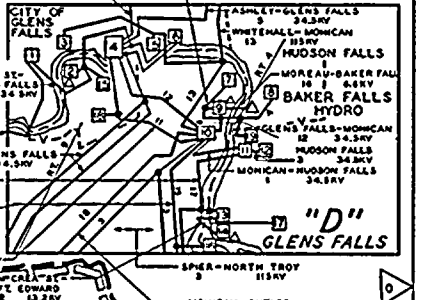








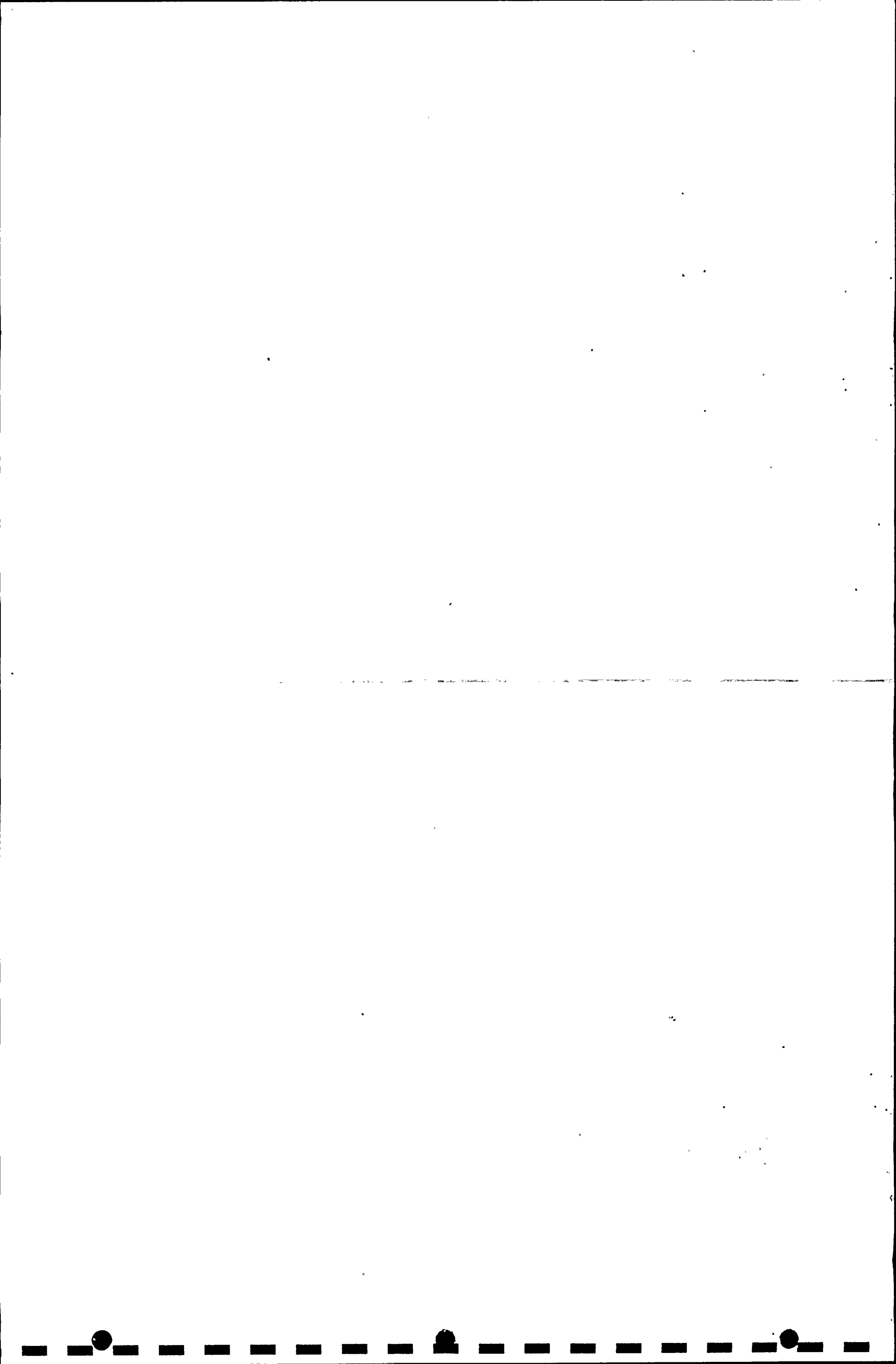
- 1. HENRY ST. STA.
- 2. SO. GLENS FALLS STA.
- 3. FINCH PRUYN STA.
- 4. GLENS FALLS STA.
- 5. G.F. CEMENT STA.
- 6. IMPERIAL STA.
- 7. ARKELL & SMITHS STA.
- 8. JOHN ST. STA.
- 9. MOREAU STA.
- 10. MOHICAN STA.
- 11. HUDSON FALLS STA.
- 12. TURRET STA.
- 13. MCCREA STA.
- 14. FT. EDWARD STA.
- 15. PATRICIAN STA.
- 16. SCOTT PAPER STA.
- 17. DECORA STA.
- 18. NIBCO STA.
- 19. SANDY HILL STA.



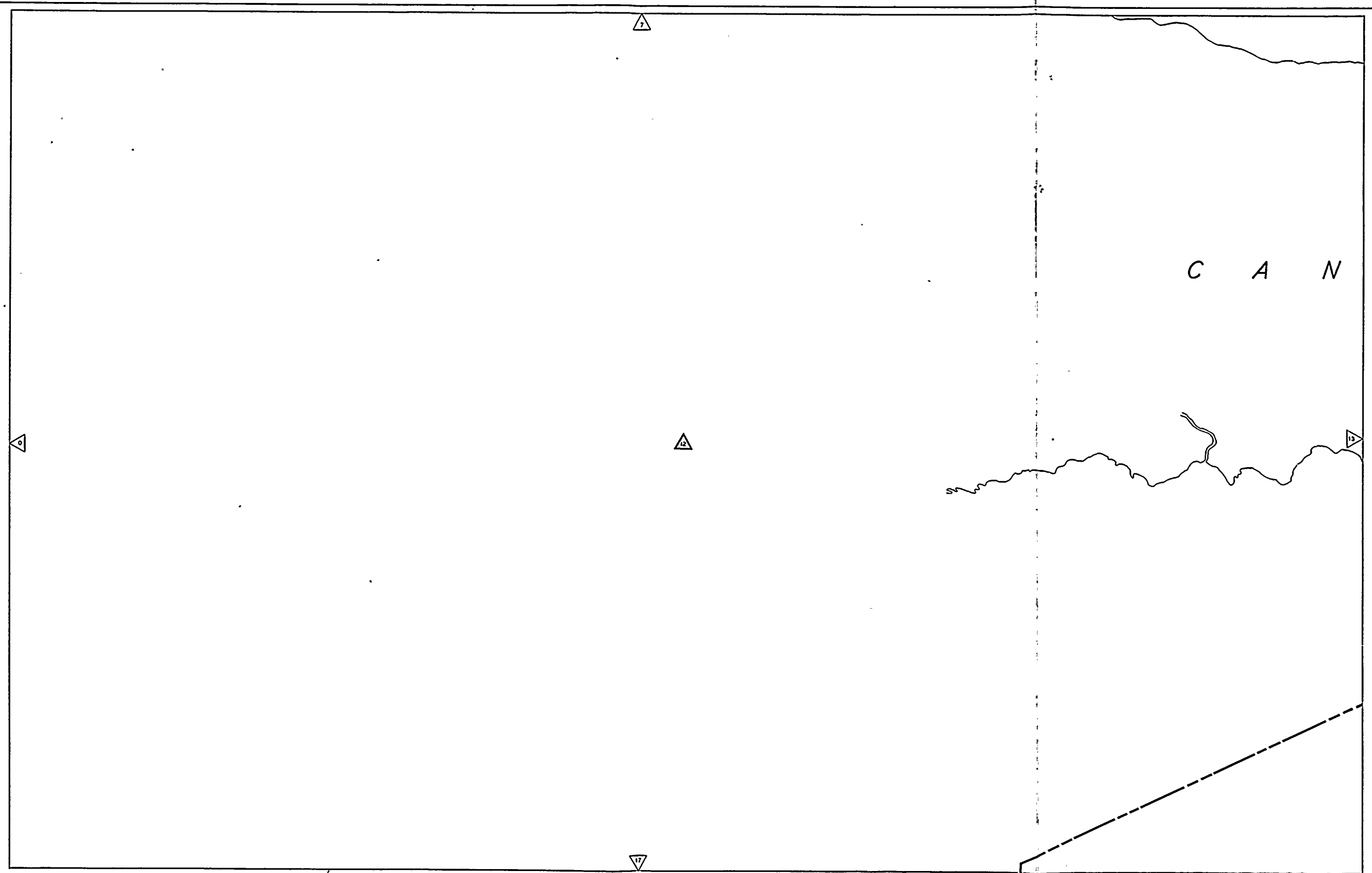
SCALE IN MILES

| REVISIONS | REVISIONS | DATE | BY |
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| 1 | 1 | 11-15-50 | W.C. |
| 2 | 2 | 1-15-51 | W.C. |
| 3 | 3 | 3-15-51 | W.C. |
| 4 | 4 | 5-15-51 | W.C. |
| 5 | 5 | 7-15-51 | W.C. |
| 6 | 6 | 9-15-51 | W.C. |
| 7 | 7 | 11-15-51 | W.C. |
| 8 | 8 | 1-15-52 | W.C. |
| 9 | 9 | 3-15-52 | W.C. |
| 10 | 10 | 5-15-52 | W.C. |
| 11 | 11 | 7-15-52 | W.C. |
| 12 | 12 | 9-15-52 | W.C. |
| 13 | 13 | 11-15-52 | W.C. |
| 14 | 14 | 1-15-53 | W.C. |
| 15 | 15 | 3-15-53 | W.C. |
| 16 | 16 | 5-15-53 | W.C. |
| 17 | 17 | 7-15-53 | W.C. |
| 18 | 18 | 9-15-53 | W.C. |
| 19 | 19 | 11-15-53 | W.C. |
| 20 | 20 | 1-15-54 | W.C. |
| 21 | 21 | 3-15-54 | W.C. |
| 22 | 22 | 5-15-54 | W.C. |
| 23 | 23 | 7-15-54 | W.C. |
| 24 | 24 | 9-15-54 | W.C. |
| 25 | 25 | 11-15-54 | W.C. |
| 26 | 26 | 1-15-55 | W.C. |
| 27 | 27 | 3-15-55 | W.C. |
| 28 | 28 | 5-15-55 | W.C. |
| 29 | 29 | 7-15-55 | W.C. |
| 30 | 30 | 9-15-55 | W.C. |
| 31 | 31 | 11-15-55 | W.C. |
| 32 | 32 | 1-15-56 | W.C. |
| 33 | 33 | 3-15-56 | W.C. |
| 34 | 34 | 5-15-56 | W.C. |
| 35 | 35 | 7-15-56 | W.C. |
| 36 | 36 | 9-15-56 | W.C. |
| 37 | 37 | 11-15-56 | W.C. |
| 38 | 38 | 1-15-57 | W.C. |
| 39 | 39 | 3-15-57 | W.C. |
| 40 | 40 | 5-15-57 | W.C. |
| 41 | 41 | 7-15-57 | W.C. |
| 42 | 42 | 9-15-57 | W.C. |
| 43 | 43 | 11-15-57 | W.C. |
| 44 | 44 | 1-15-58 | W.C. |
| 45 | 45 | 3-15-58 | W.C. |
| 46 | 46 | 5-15-58 | W.C. |
| 47 | 47 | 7-15-58 | W.C. |
| 48 | 48 | 9-15-58 | W.C. |
| 49 | 49 | 11-15-58 | W.C. |
| 50 | 50 | 1-15-59 | W.C. |
| 51 | 51 | 3-15-59 | W.C. |
| 52 | 52 | 5-15-59 | W.C. |
| 53 | 53 | 7-15-59 | W.C. |
| 54 | 54 | 9-15-59 | W.C. |
| 55 | 55 | 11-15-59 | W.C. |
| 56 | 56 | 1-15-60 | W.C. |
| 57 | 57 | 3-15-60 | W.C. |
| 58 | 58 | 5-15-60 | W.C. |
| 59 | 59 | 7-15-60 | W.C. |
| 60 | 60 | 9-15-60 | W.C. |
| 61 | 61 | 11-15-60 | W.C. |
| 62 | 62 | 1-15-61 | W.C. |
| 63 | 63 | 3-15-61 | W.C. |
| 64 | 64 | 5-15-61 | W.C. |
| 65 | 65 | 7-15-61 | W.C. |
| 66 | 66 | 9-15-61 | W.C. |
| 67 | 67 | 11-15-61 | W.C. |
| 68 | 68 | 1-15-62 | W.C. |
| 69 | 69 | 3-15-62 | W.C. |
| 70 | 70 | 5-15-62 | W.C. |
| 71 | 71 | 7-15-62 | W.C. |
| 72 | 72 | 9-15-62 | W.C. |
| 73 | 73 | 11-15-62 | W.C. |
| 74 | 74 | 1-15-63 | W.C. |
| 75 | 75 | 3-15-63 | W.C. |
| 76 | 76 | 5-15-63 | W.C. |
| 77 | 77 | 7-15-63 | W.C. |
| 78 | 78 | 9-15-63 | W.C. |
| 79 | 79 | 11-15-63 | W.C. |
| 80 | 80 | 1-15-64 | W.C. |
| 81 | 81 | 3-15-64 | W.C. |
| 82 | 82 | 5-15-64 | W.C. |
| 83 | 83 | 7-15-64 | W.C. |
| 84 | 84 | 9-15-64 | W.C. |
| 85 | 85 | 11-15-64 | W.C. |
| 86 | 86 | 1-15-65 | W.C. |
| 87 | 87 | 3-15-65 | W.C. |
| 88 | 88 | 5-15-65 | W.C. |
| 89 | 89 | 7-15-65 | W.C. |
| 90 | 90 | 9-15-65 | W.C. |
| 91 | 91 | 11-15-65 | W.C. |
| 92 | 92 | 1-15-66 | W.C. |
| 93 | 93 | 3-15-66 | W.C. |
| 94 | 94 | 5-15-66 | W.C. |
| 95 | 95 | 7-15-66 | W.C. |
| 96 | 96 | 9-15-66 | W.C. |
| 97 | 97 | 11-15-66 | W.C. |
| 98 | 98 | 1-15-67 | W.C. |
| 99 | 99 | 3-15-67 | W.C. |
| 100 | 100 | 5-15-67 | W.C. |

NIAGARA MOHAWK POWER CORPORATION
ELECTRIC TRANSMISSION SYSTEM
CHECKED W.C. APPROX. SCALE 1:25,000
DATE 3-1-50 INDEX 60-1-MS
SHEET NO. 110742 P.W.C. NO. C-973-C



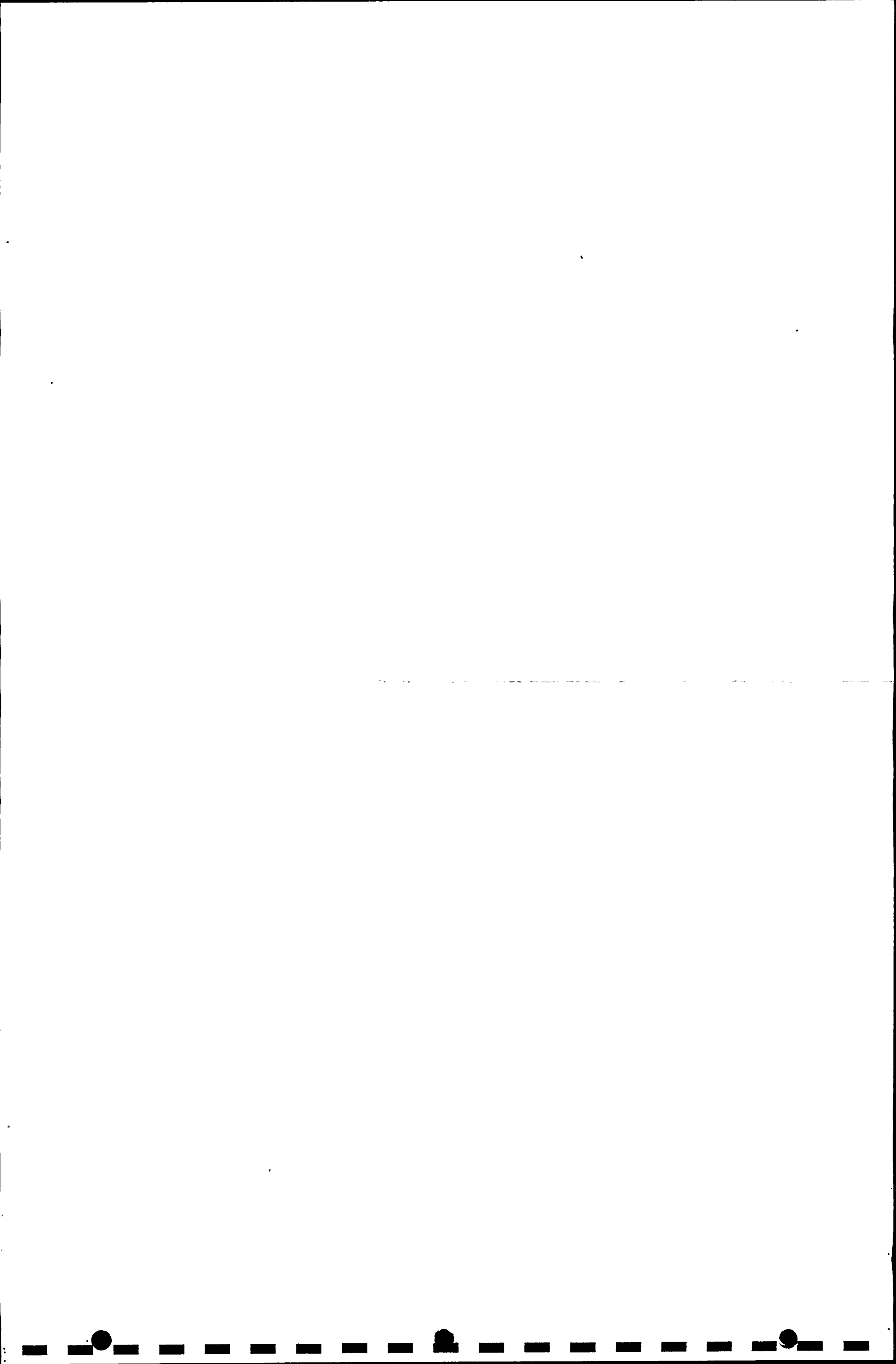
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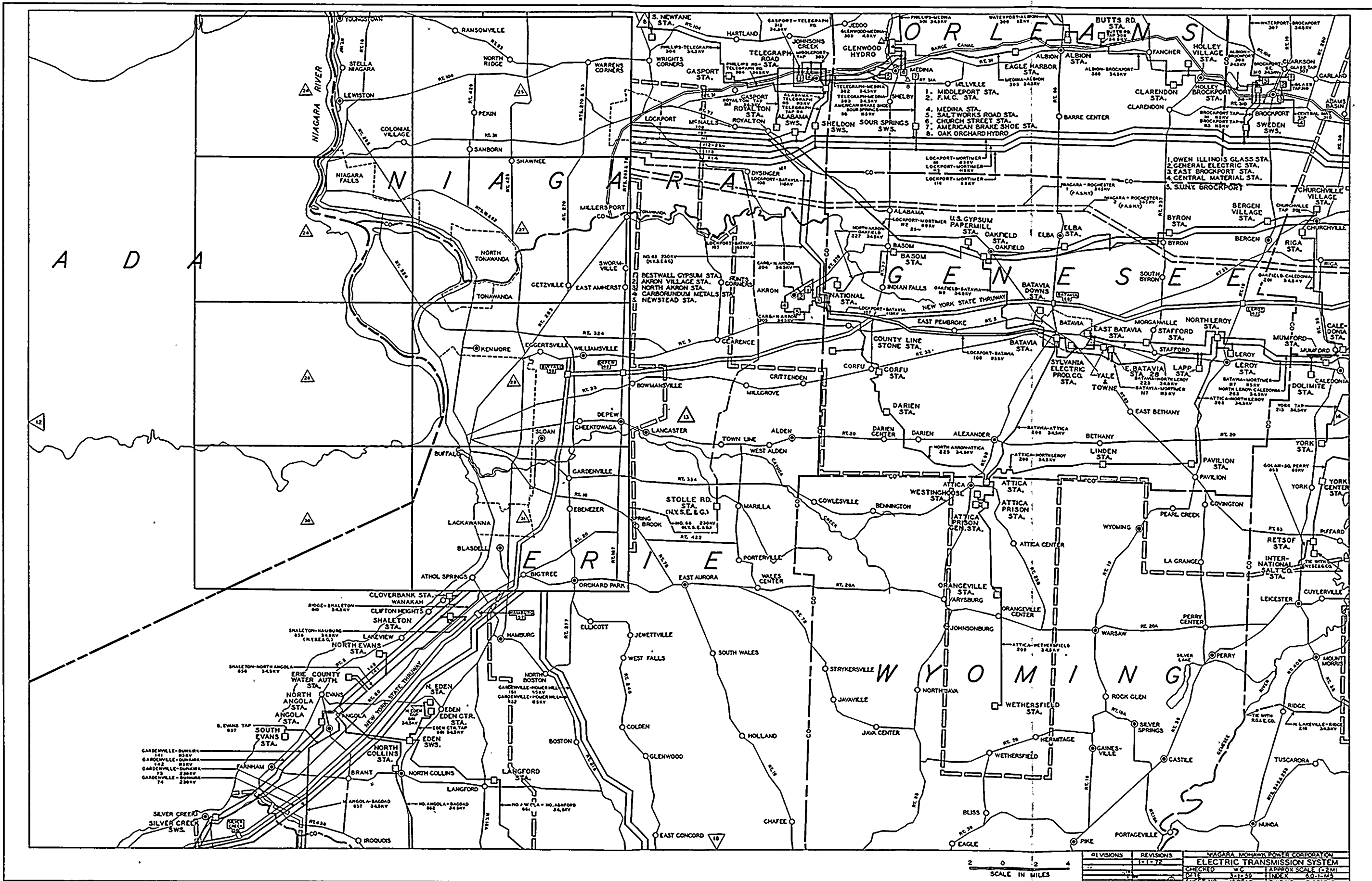


SCALE IN MILES
2 0 2 4

| REVISIONS | REVISION NO. | DATE | BY | INDEX |
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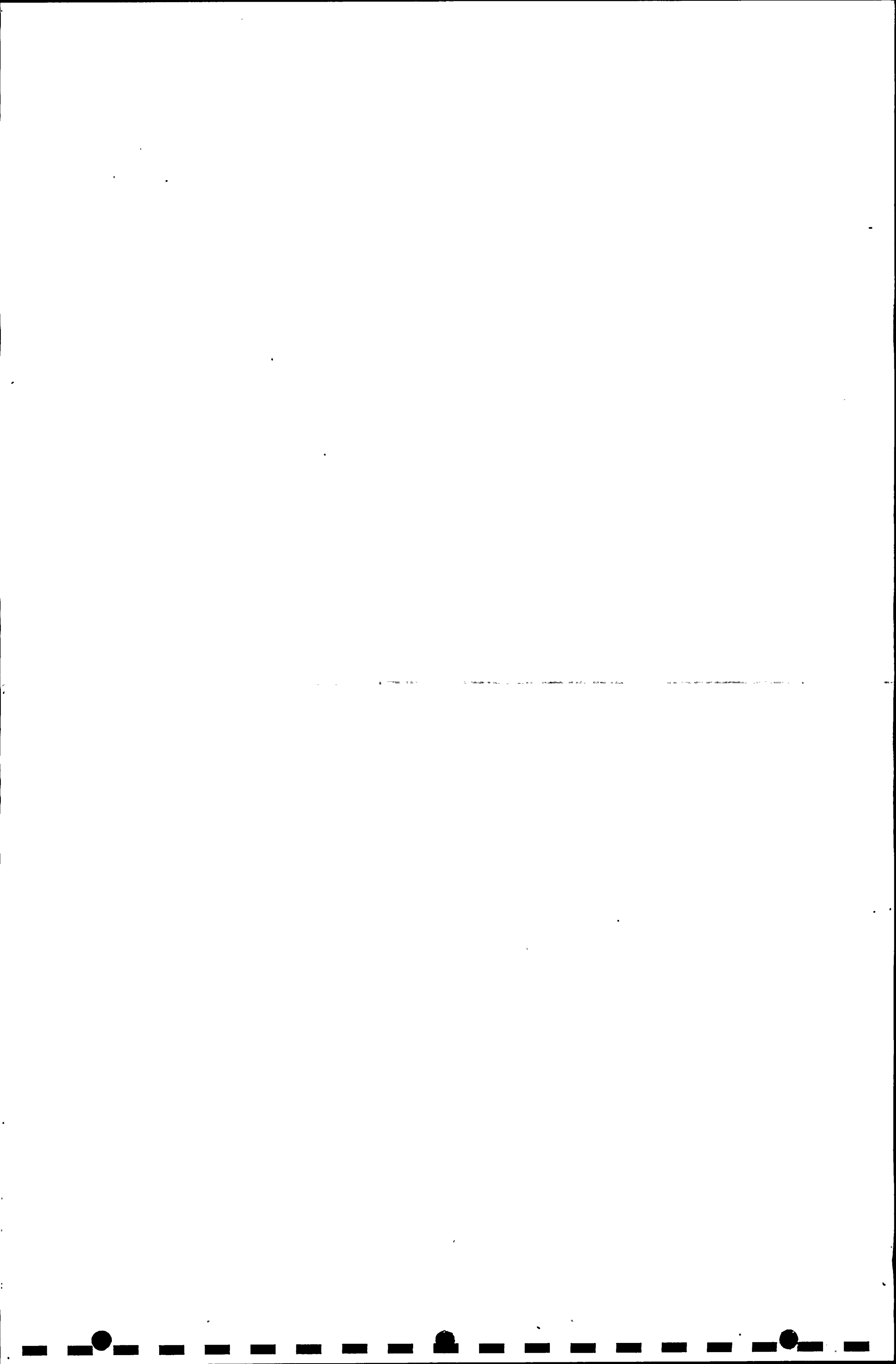
NIAGARA MOHAWK POWER CORPORATION
ELECTRIC TRANSMISSION SYSTEM
CHECKED W.C. APPROX. SCALE 1/2 MI.
DATE 3-1-59 INDEX 60-1-15
SHEET NO. 12 OF 12 DWG. NO. C-937-C

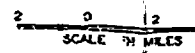
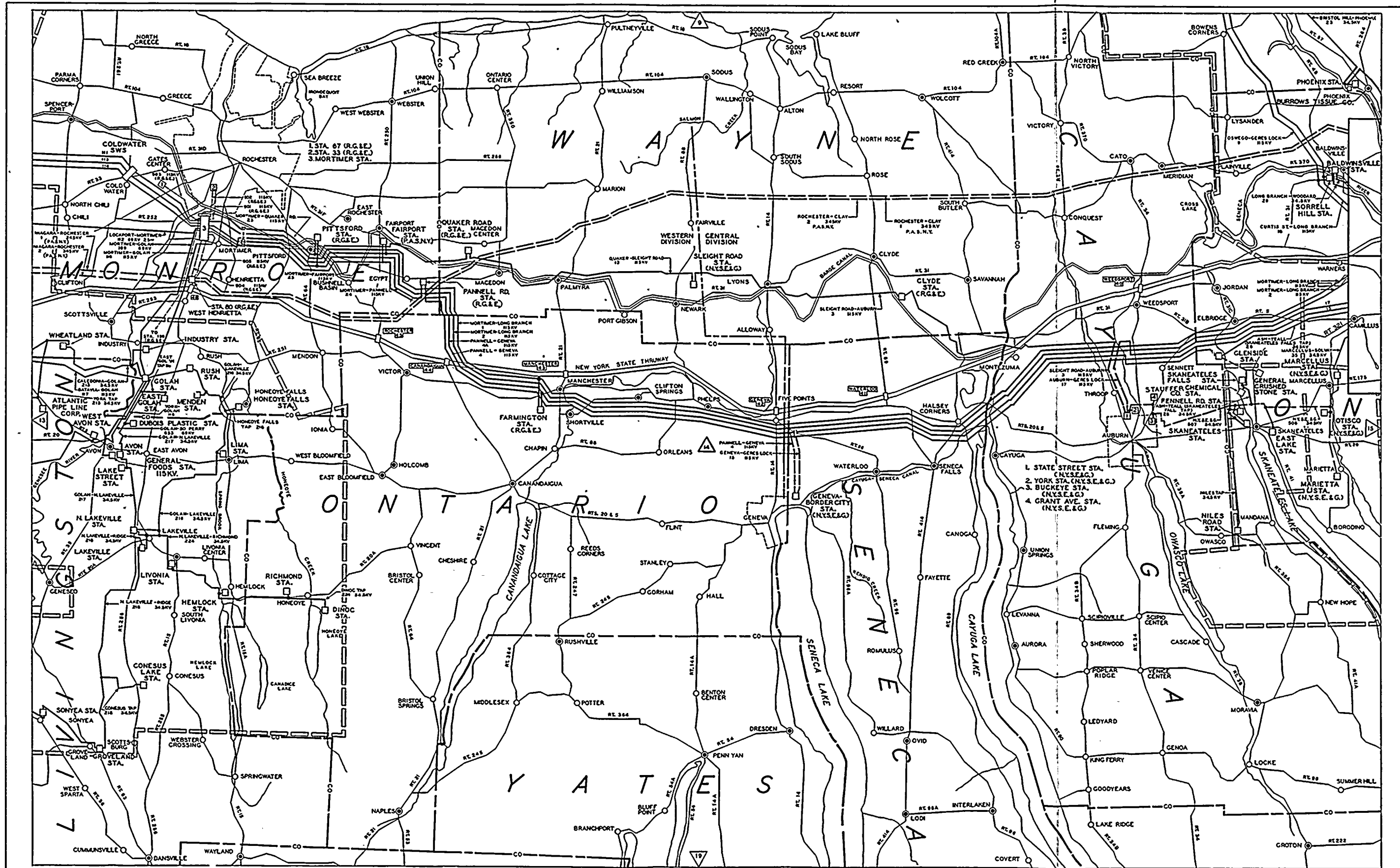




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|-----------|-----------|----------------------------------|--|
| REVISIONS | REVISIONS | NIAGARA MOHAWK POWER CORPORATION | |
| | 1-1-72 | ELECTRIC TRANSMISSION SYSTEM | |
| CHECKED | W.C. | APPROX SCALE 1:2500 | |
| DRAWN | 3-11-59 | INDEX 60-1-24 | |
| SHEET NO. | 43 OF 42 | DWG NO. C-9787-C | |

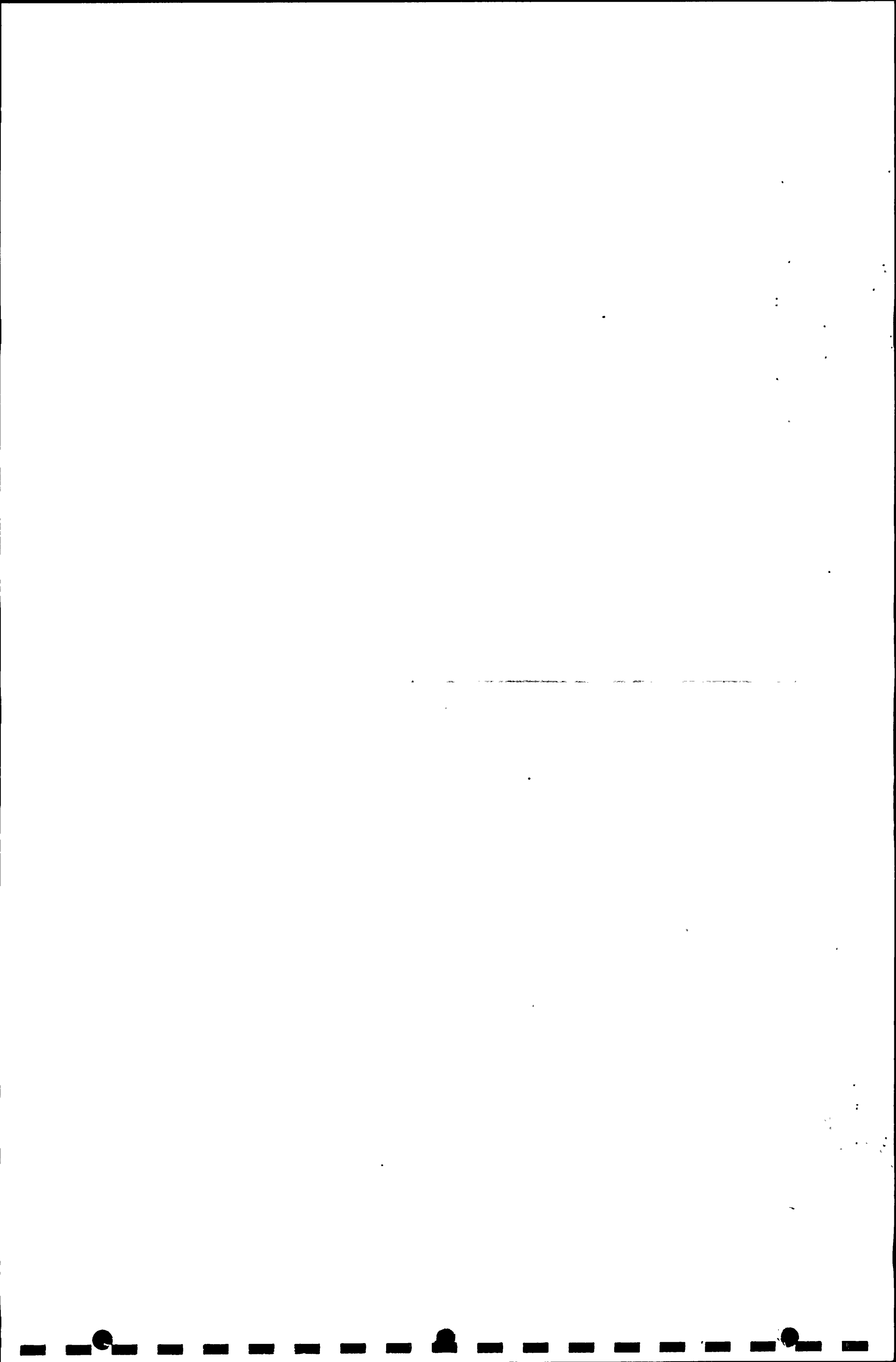
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SCALE IN MILES

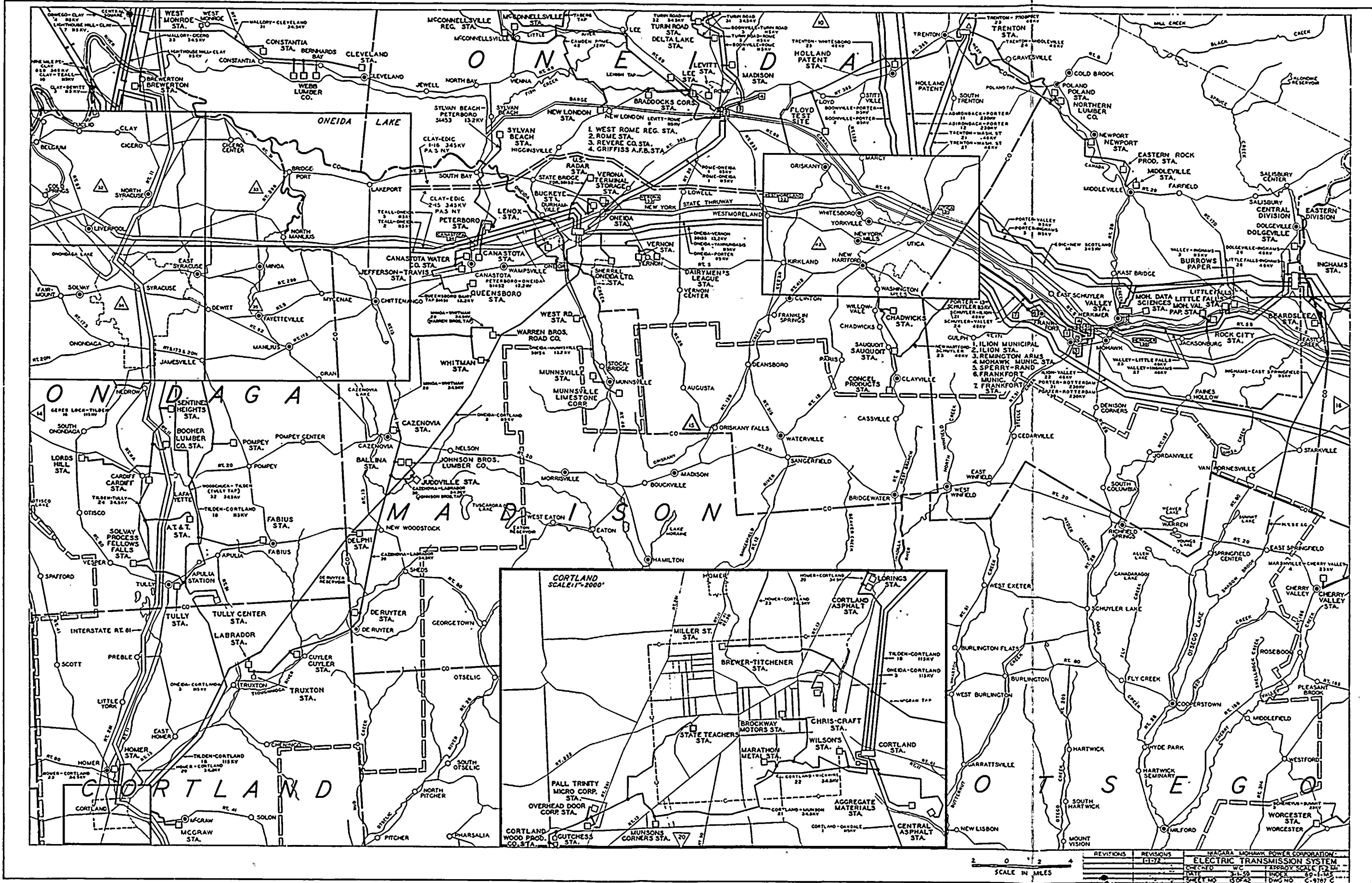




| REVISIONS | REVISIONS | DATE | BY | APPROVED |
|-----------|-----------|--------|------|----------|
| 1 | 1 | 3-1-50 | W.C. | W.C. |
| 2 | 2 | 3-1-50 | W.C. | W.C. |
| 3 | 3 | 3-1-50 | W.C. | W.C. |
| 4 | 4 | 3-1-50 | W.C. | W.C. |

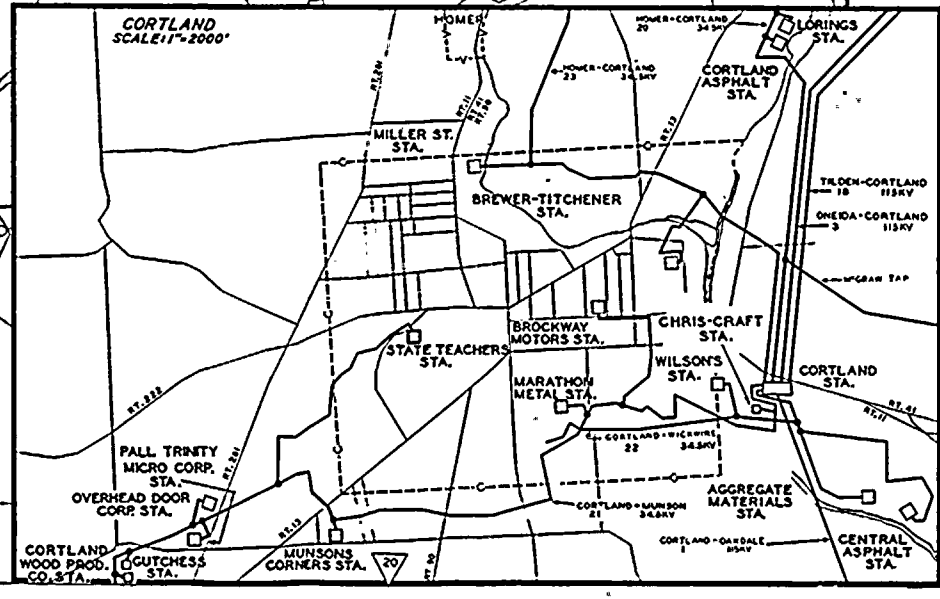
NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED W.C. APPROX SCALE 1"=1/4"
 DATE 3-1-50 DRAWN W.C. 60-1-105
 SHEET NO. 14 OF 42 DWG. NO. C-9787-C



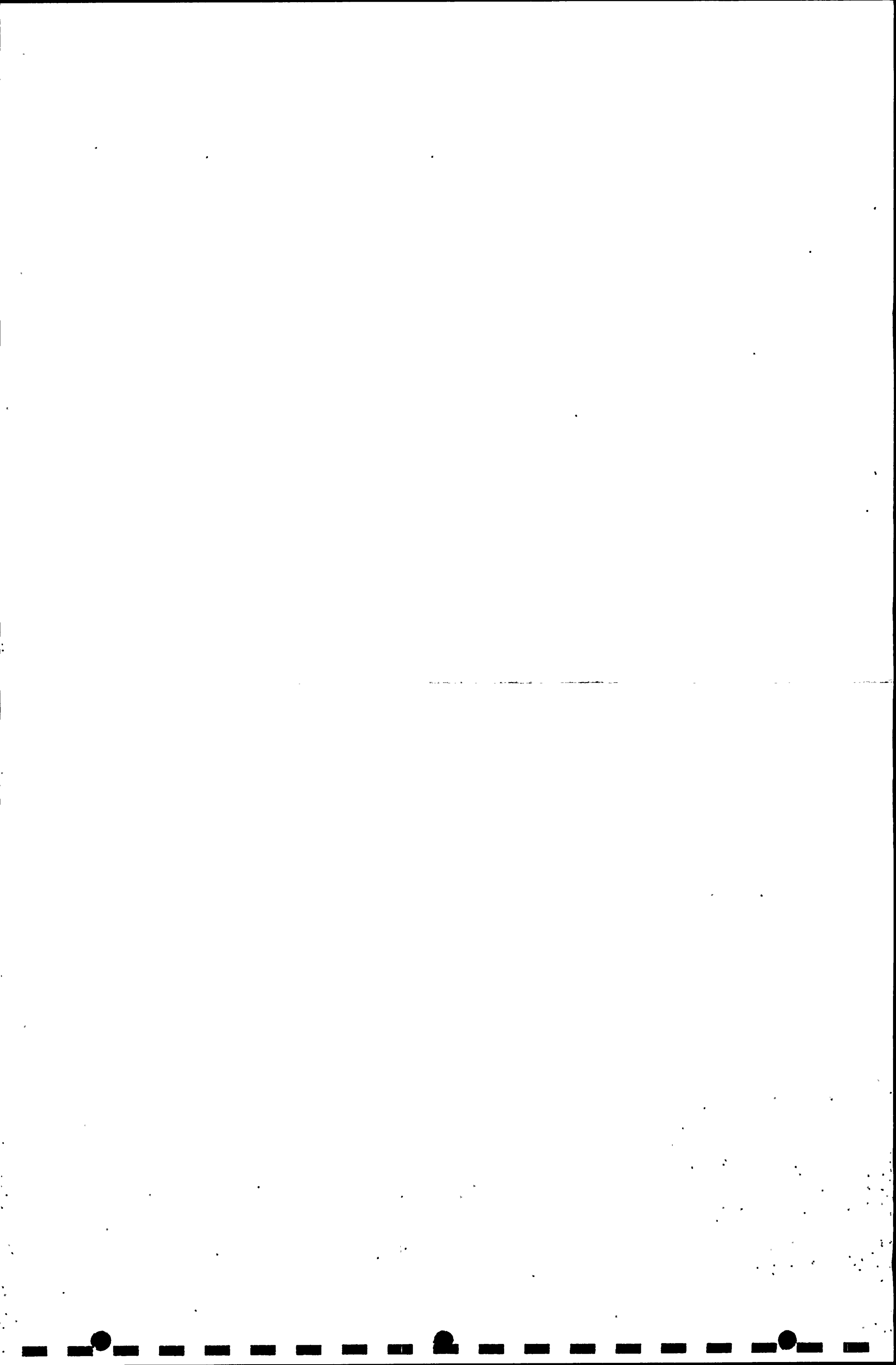


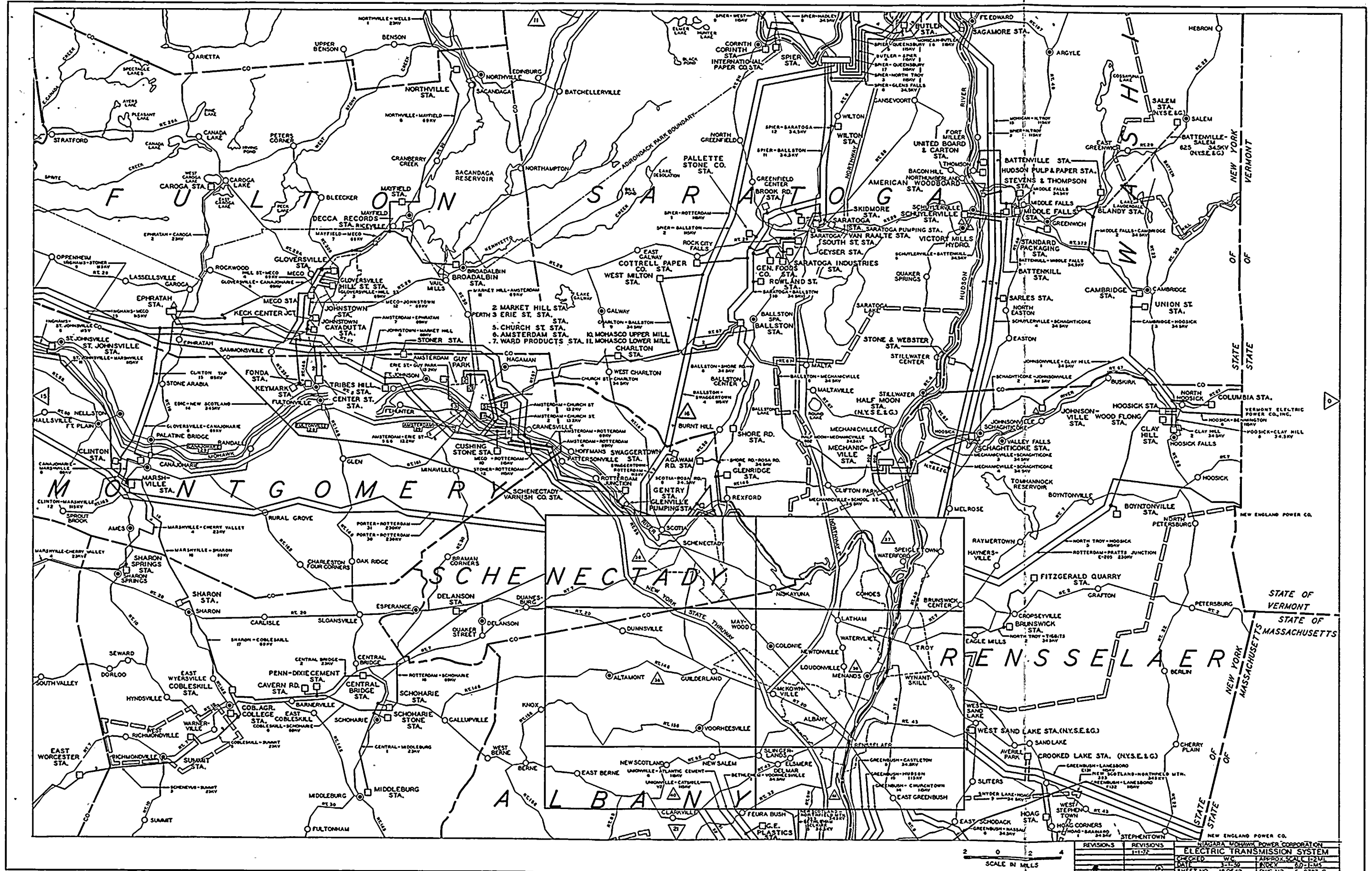
| REVISIONS | REVISIONS | DATE | BY | CHKD. | APP'D. |
|-----------|-----------|----------|-----------|-------|--------|
| 1 | 1 | 11-20-50 | W. J. ... | ... | ... |
| 2 | 2 | 11-20-50 | ... | ... | ... |
| 3 | 3 | 11-20-50 | ... | ... | ... |
| 4 | 4 | 11-20-50 | ... | ... | ... |
| 5 | 5 | 11-20-50 | ... | ... | ... |

2 0 2 4
SCALE IN MILES



CORTLAND
MCGRAW STA.

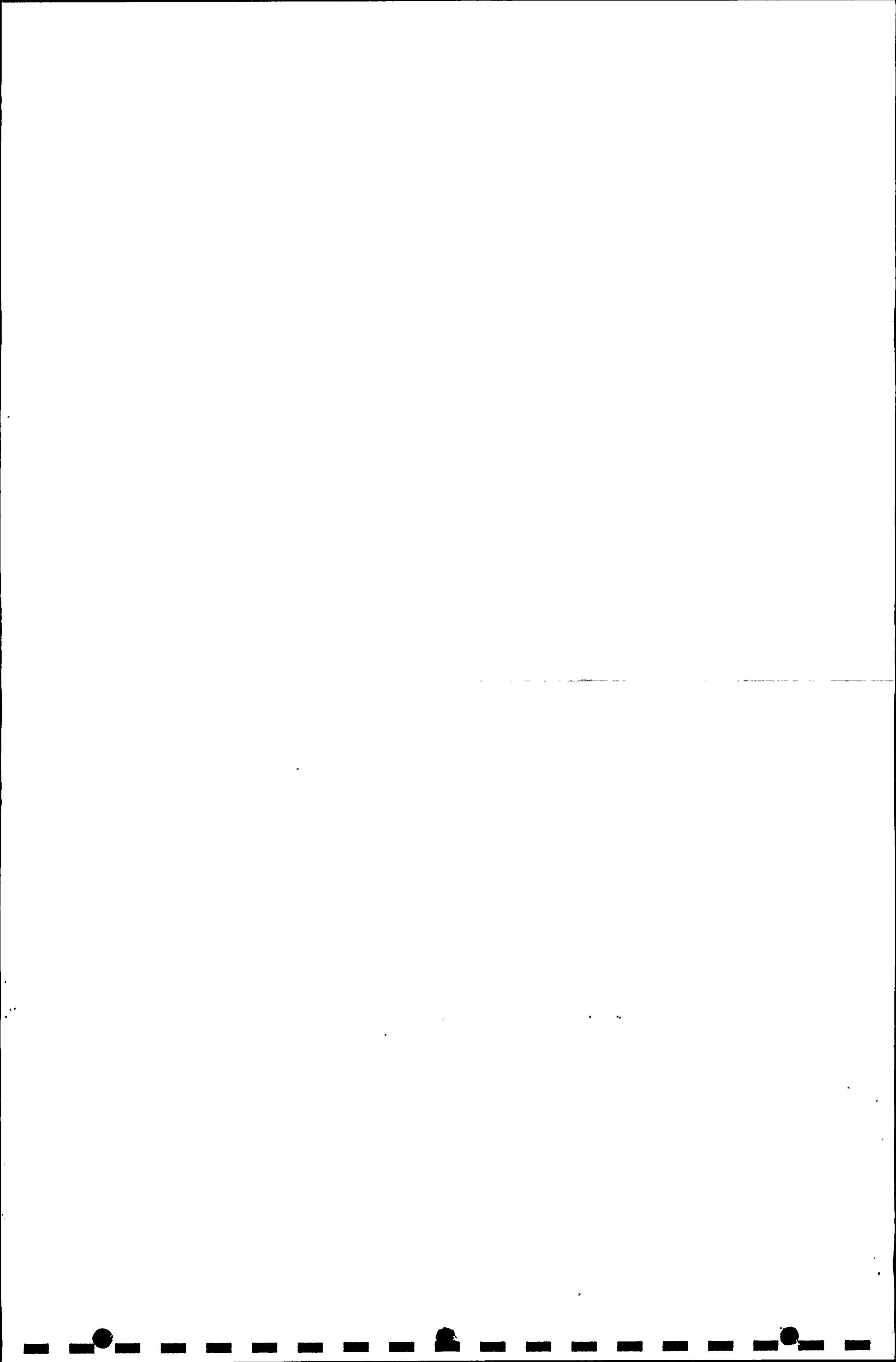




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|--------------------|-----------|--------|--------|--------|----------|
| REVISIONS | REVISIONS | DATE | BY | CHKD. | APP. NO. |
| 1-1-72 | 1-1-72 | 3-1-72 | R.D.C. | R.D.C. | 106-42 |
| SHEET NO. 10 OF 42 | | | | | |

SCALE IN MILES
0 2 4

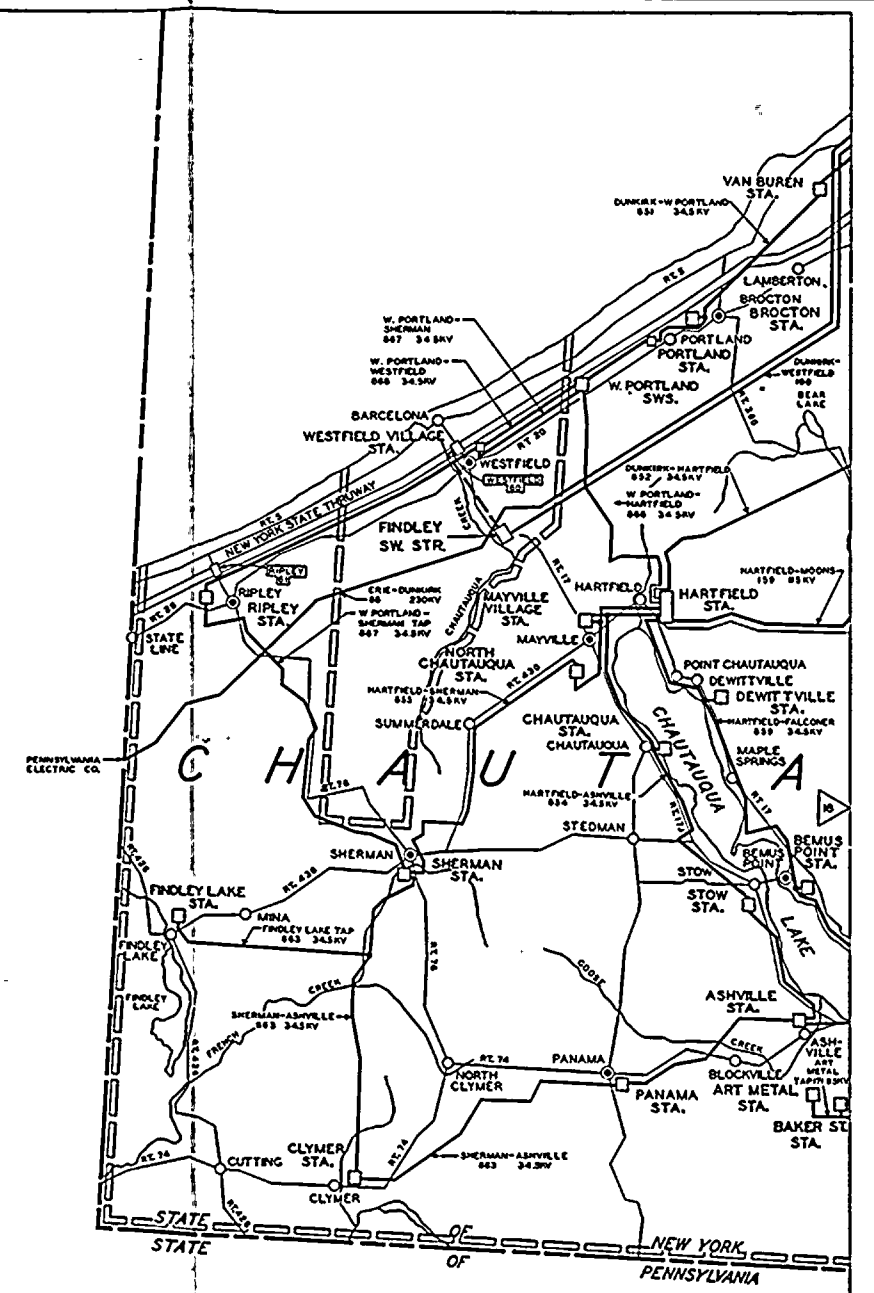
NIAGARA MOHAWK POWER CORPORATION
ELECTRIC TRANSMISSION SYSTEM
APPROXIMATE LOCATION
DATE 3-1-72 BY R.D.C. CHKD. R.D.C. APP. NO. 106-42 SHEET NO. 10 OF 42 DWG. NO. C-9747-C



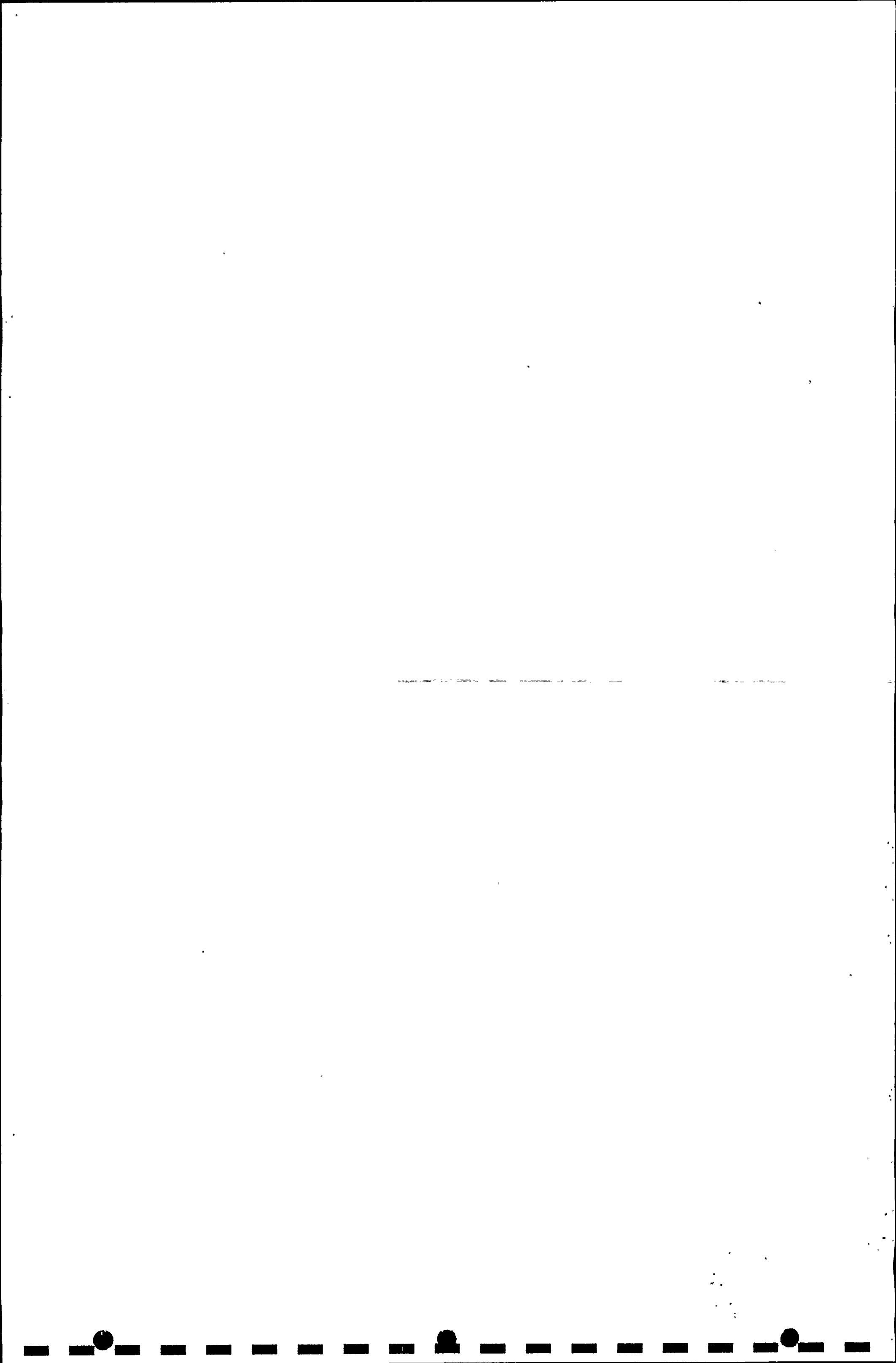
12

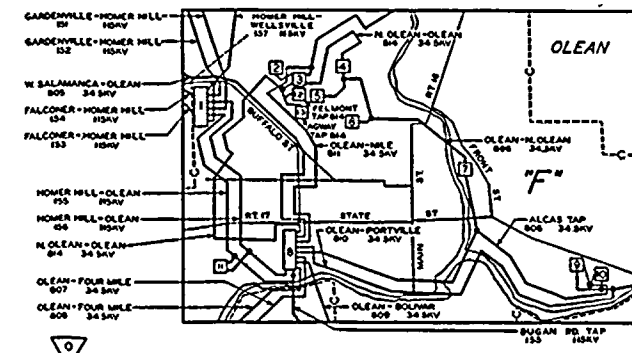
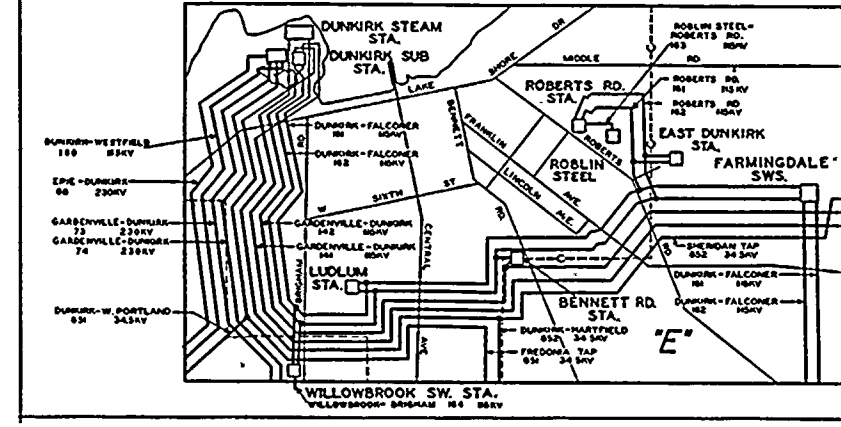
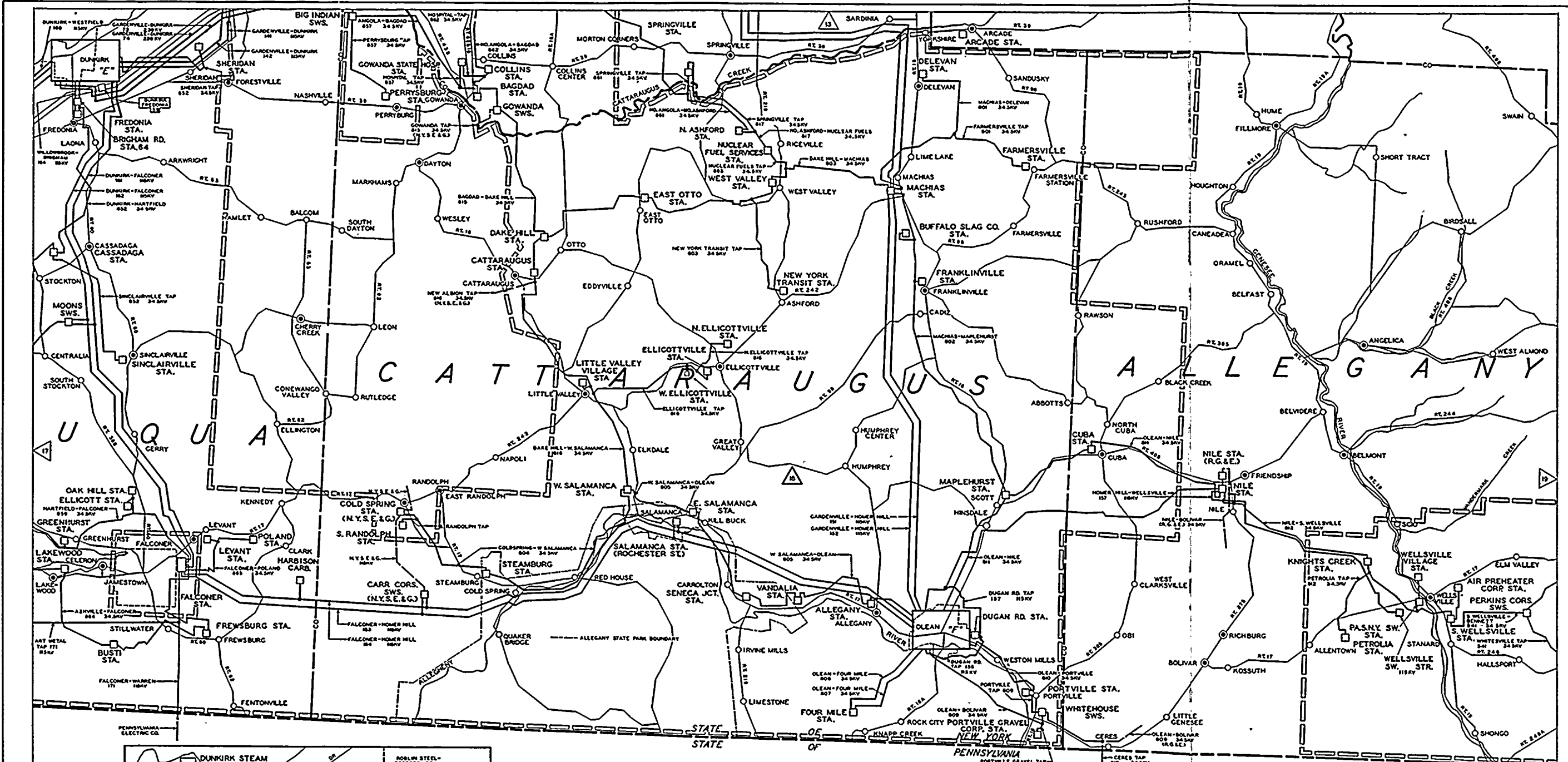
17

18



| REVISIONS | | REVISIONS | | NIAGARA MOHAWK POWER CORPORATION | |
|-----------|--------|-----------|--------|----------------------------------|-----------|
| NO. | DATE | NO. | DATE | ELECTRIC TRANSMISSION SYSTEM | |
| 1 | 3-1-59 | 1 | 3-1-59 | ASSEMBLY SCALE 1:250 | |
| 2 | 3-1-59 | 2 | 3-1-59 | INDEX | 8.0-1-M-5 |
| 3 | 3-1-59 | 3 | 3-1-59 | SHEET NO. | 170F42 |
| | | | | DWG NO. | C-9787-C |



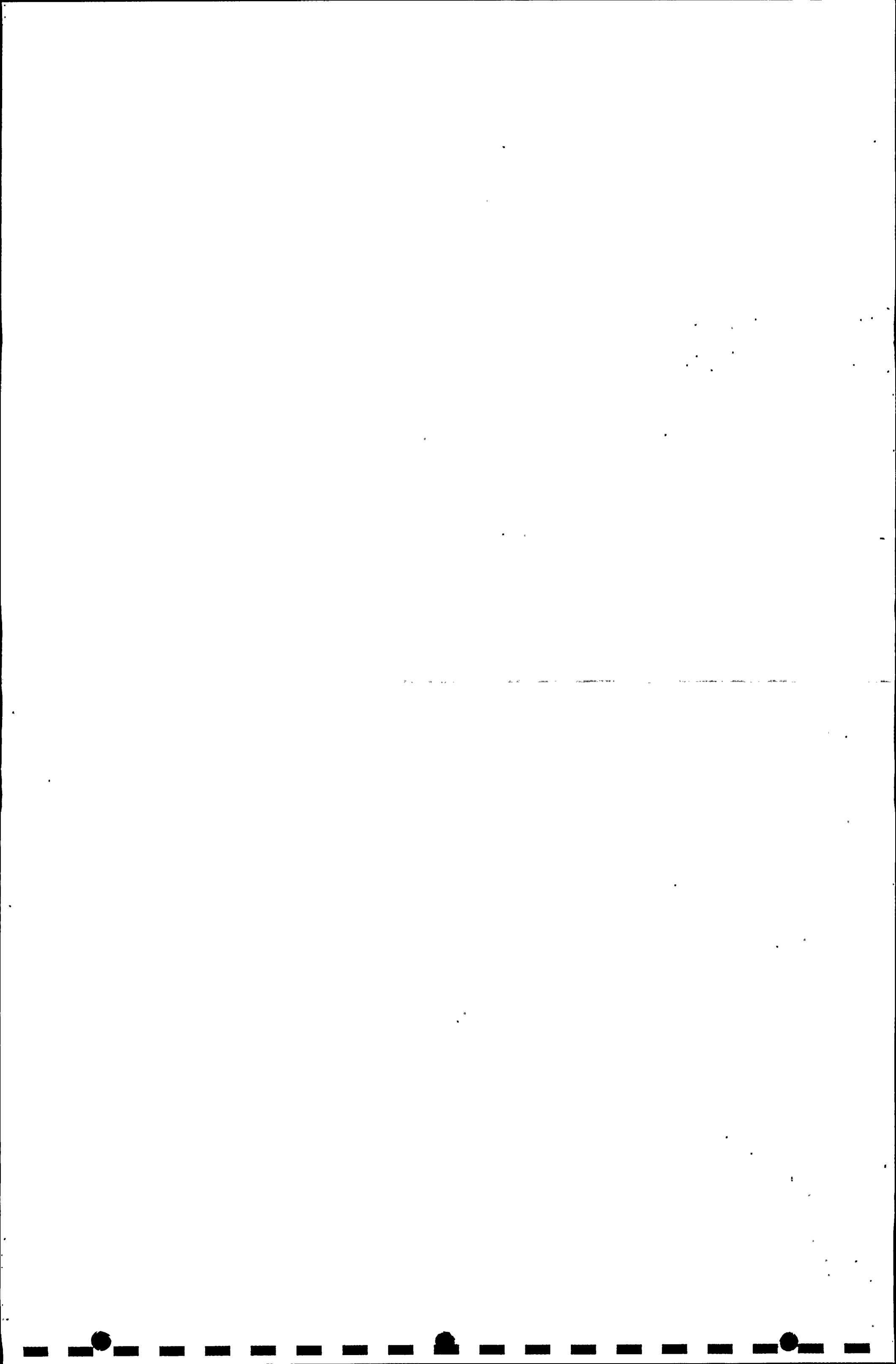


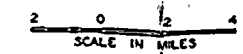
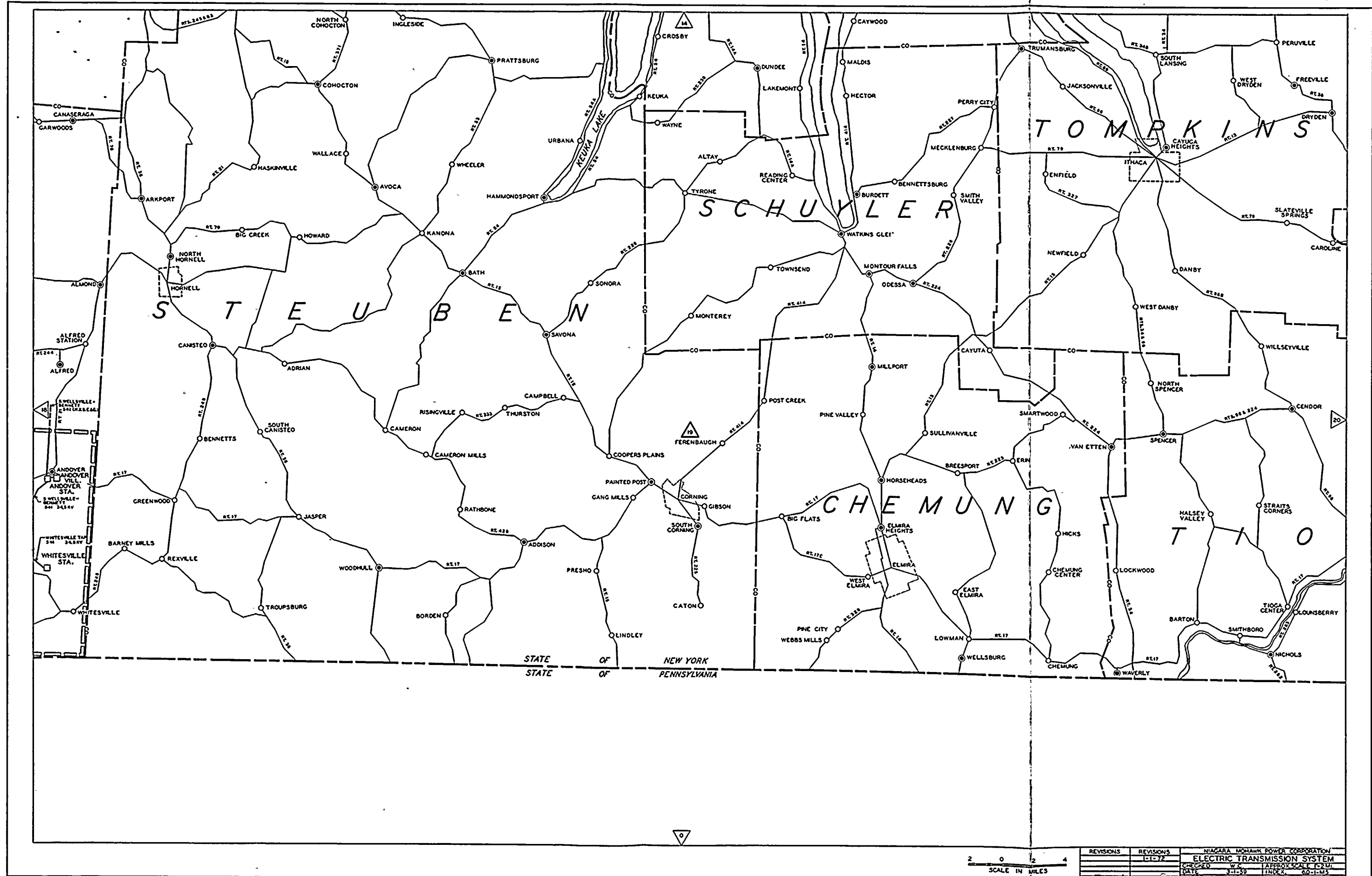
- 1 HOMER HILL SWS.
- 2 VANDERHORST CORP. STA.
- 3 CONNELL ST. STA.
- 4 NORTH OLEAN STA.
- 5 CLARK BROS. STA. (NO.2)
- 6 CLARK BROS. STA. (NO.1)
- 7 EAST OLEAN STA.
- 8 OLEAN STA.
- 9 ALCAS CORP. STA.
- 10 JEFFERSON ST. STA.
- 11 WEST OLEAN STA.
- 12 FELMONT CORP.
- 13 AGWAY CORP.

SCALE IN MILES
0 2 4

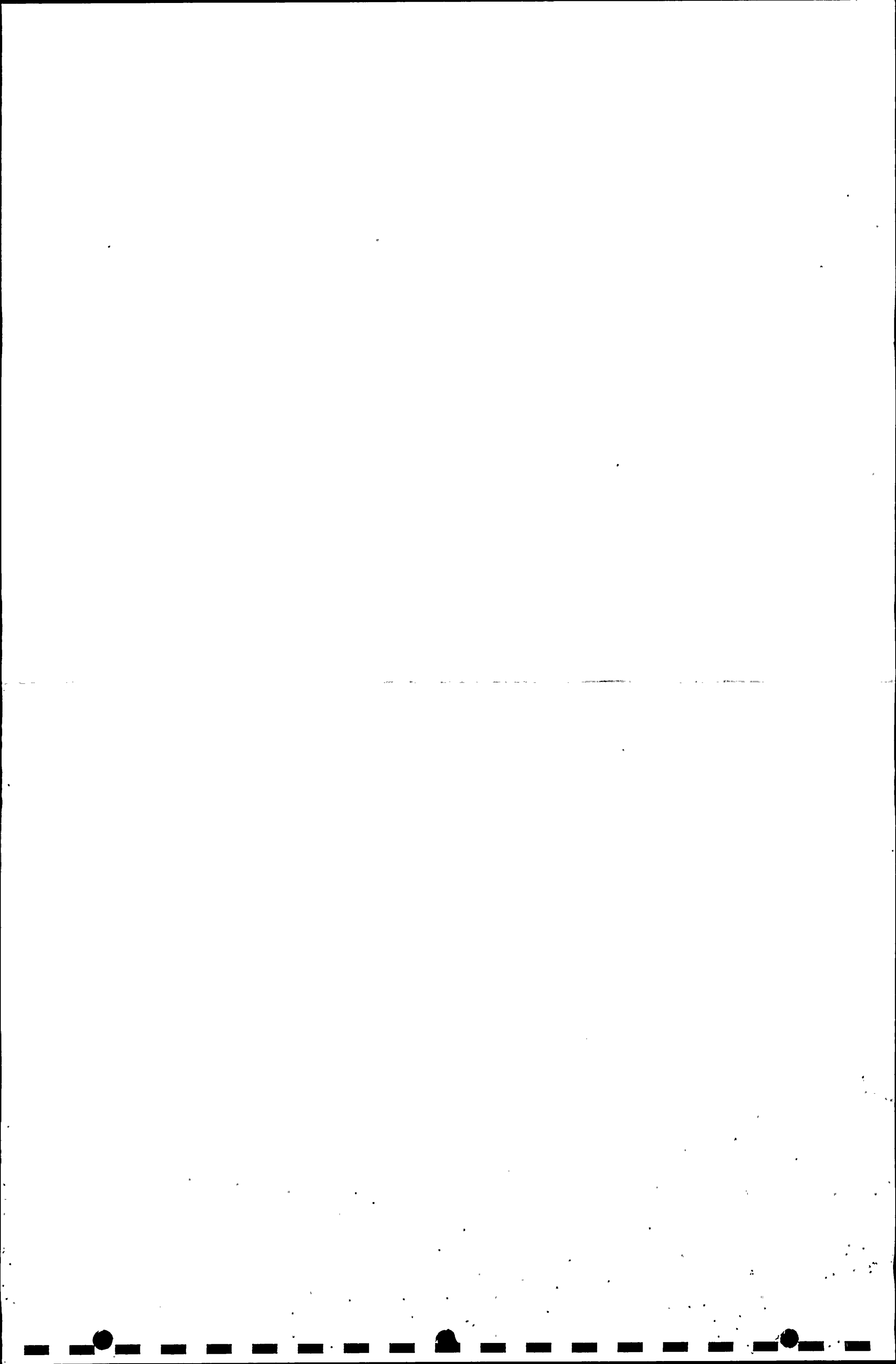
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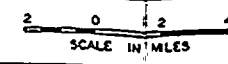
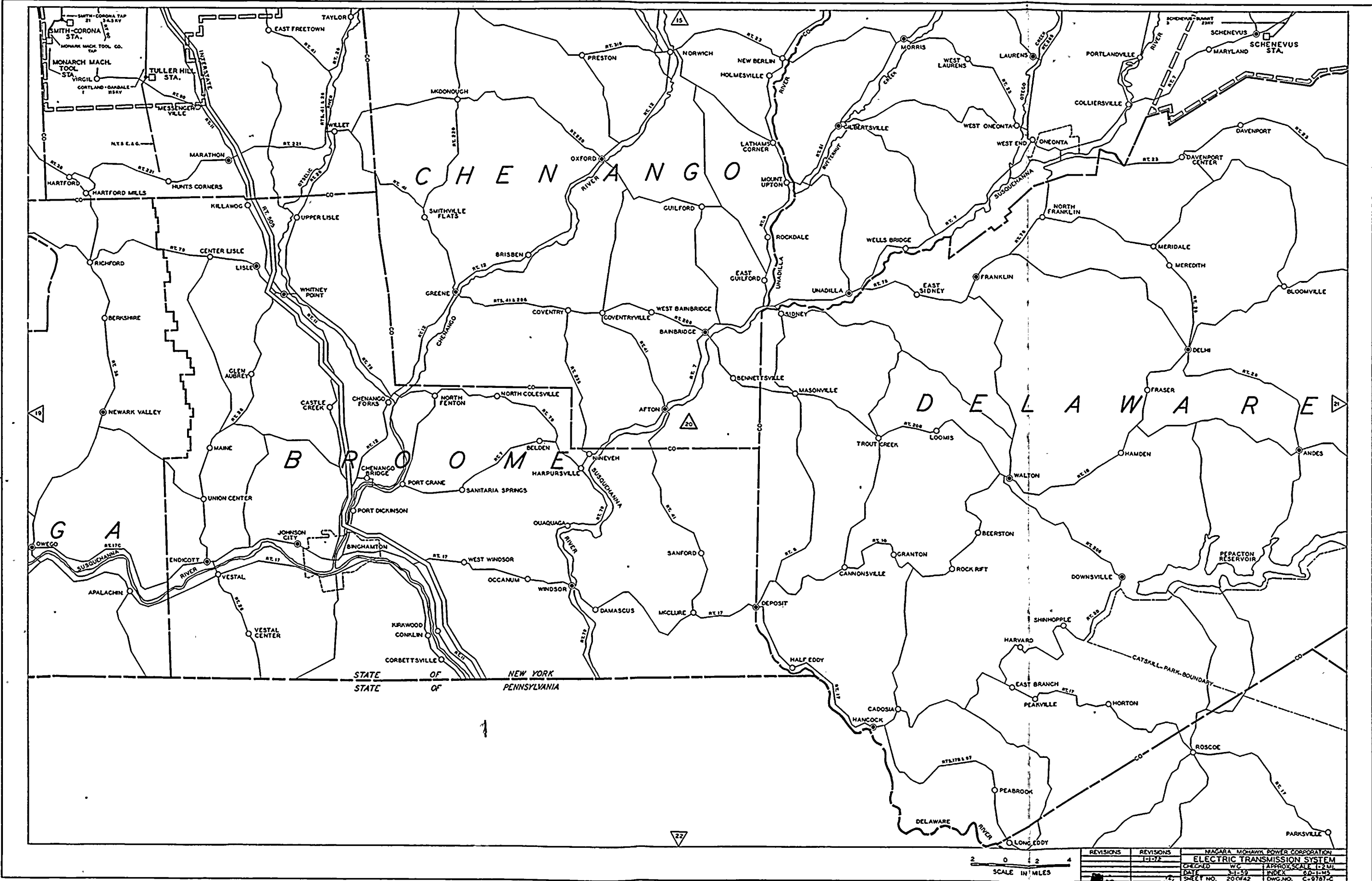
NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED BY: [] APPROX. SCALE 1:25,000
 DATE: 3-1-59 INDEX: 80-1-13
 SHEET NO. 180742 DWG. NO. C-787-C



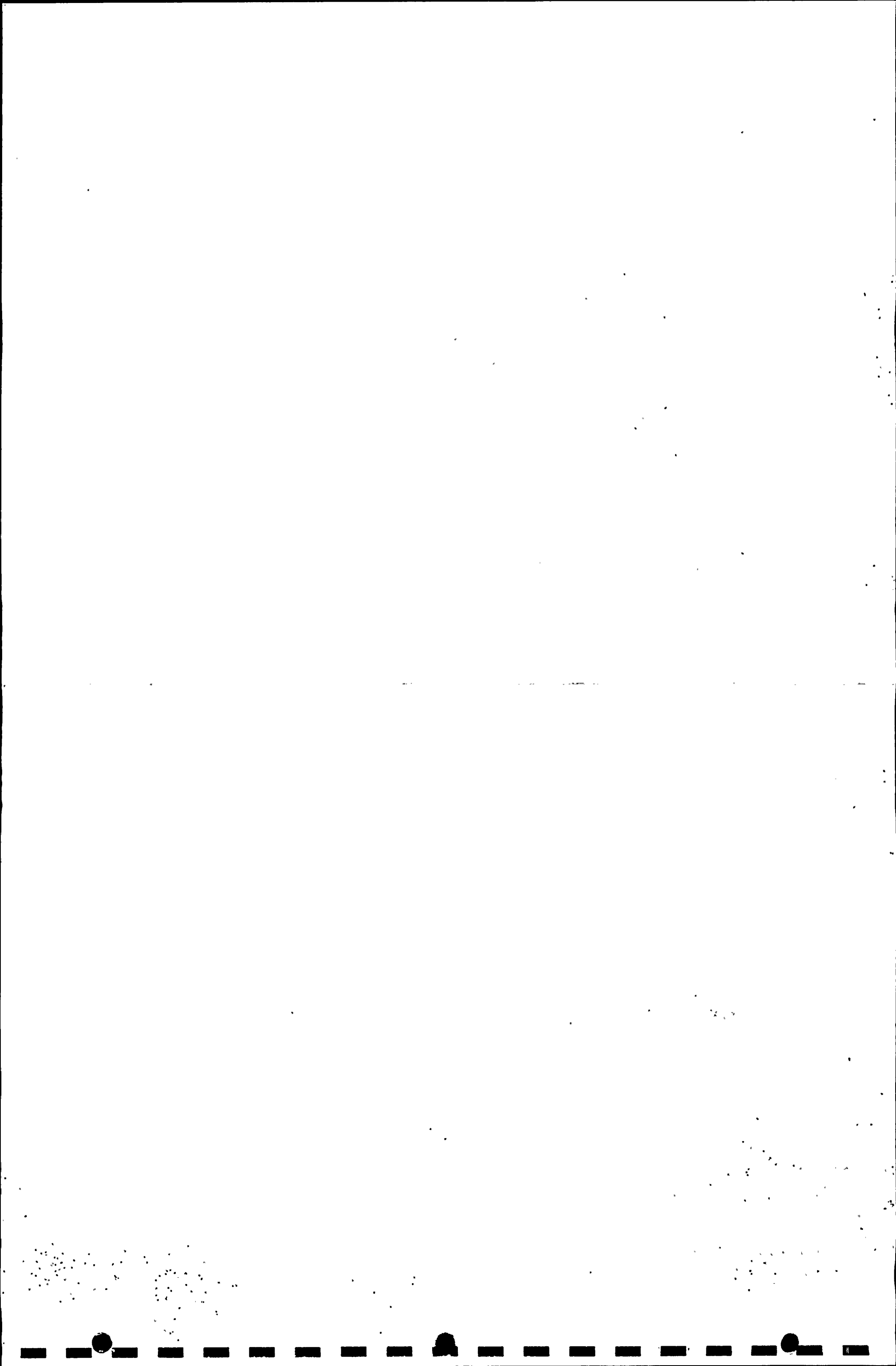


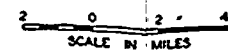
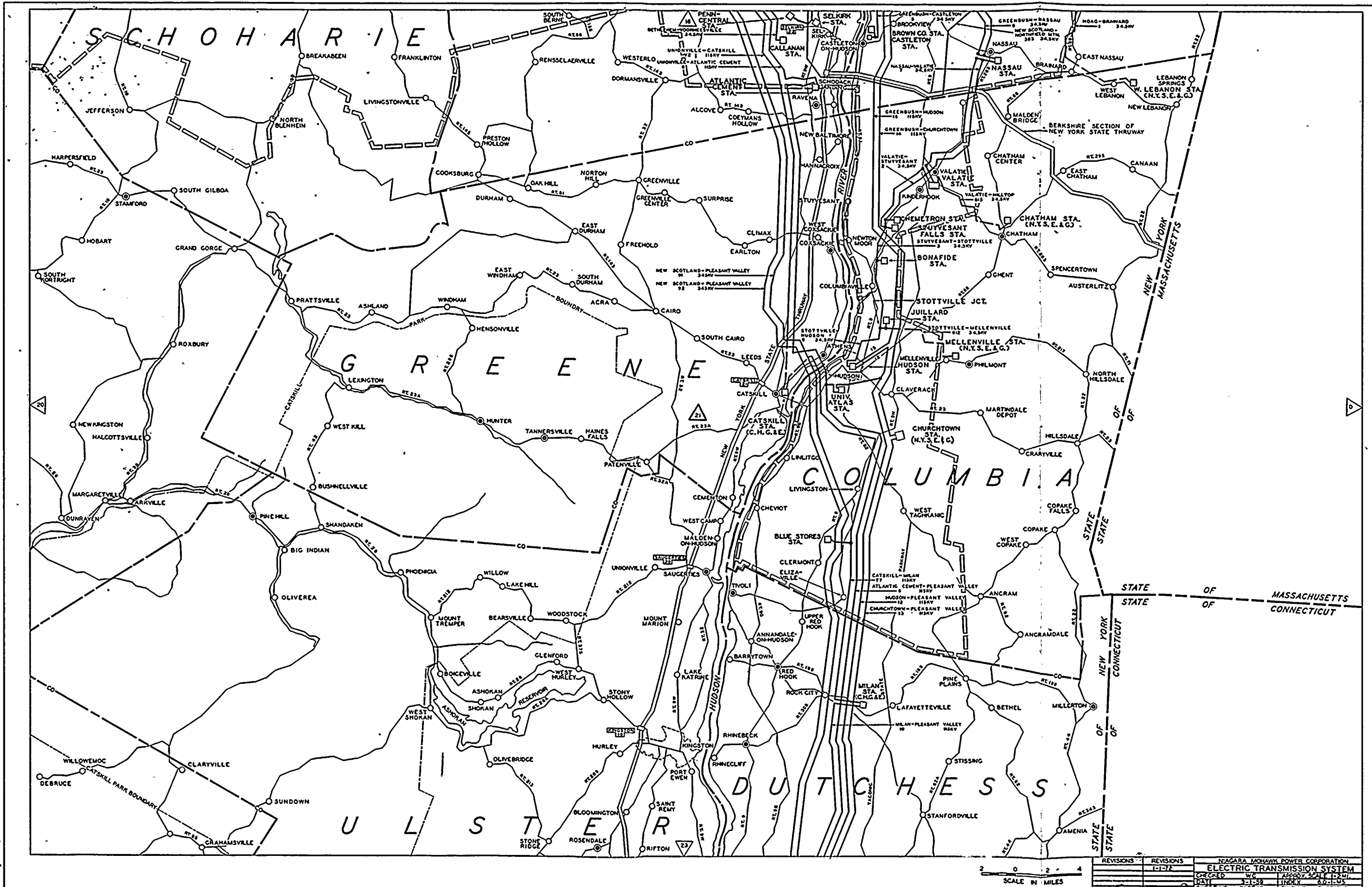
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| REVISIONS | REVISIONS | NIAGARA MOHAWK POWER CORPORATION | |
| | 1-1-72 | ELECTRIC TRANSMISSION SYSTEM | |
| | | CREATED | W. K. |
| | | DATE | 3-1-72 |
| | | DWG. NO. | 10242 |
| | | SHEET NO. | 10242 |
| | | DWG. NO. | C-9781-C |



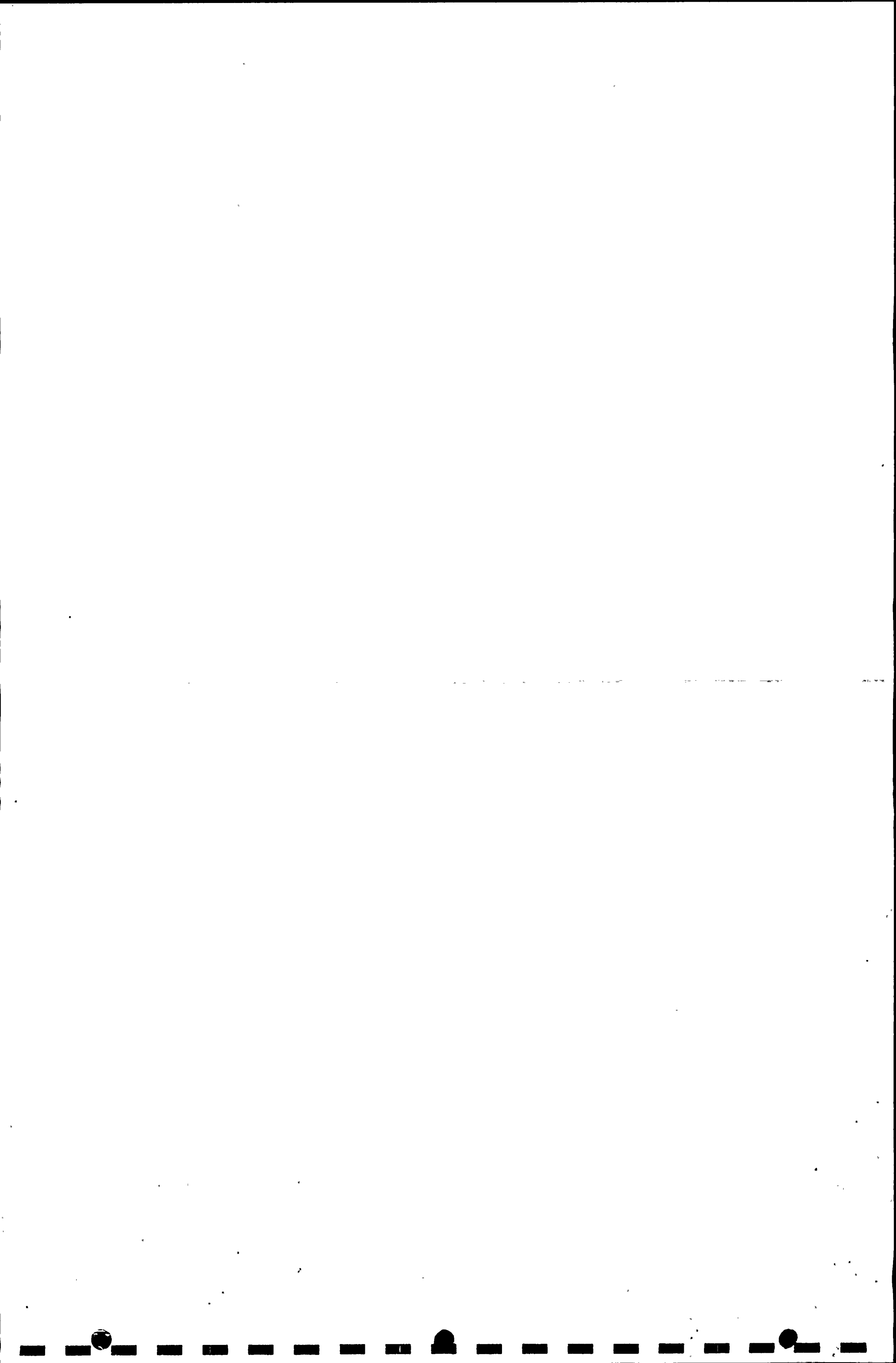


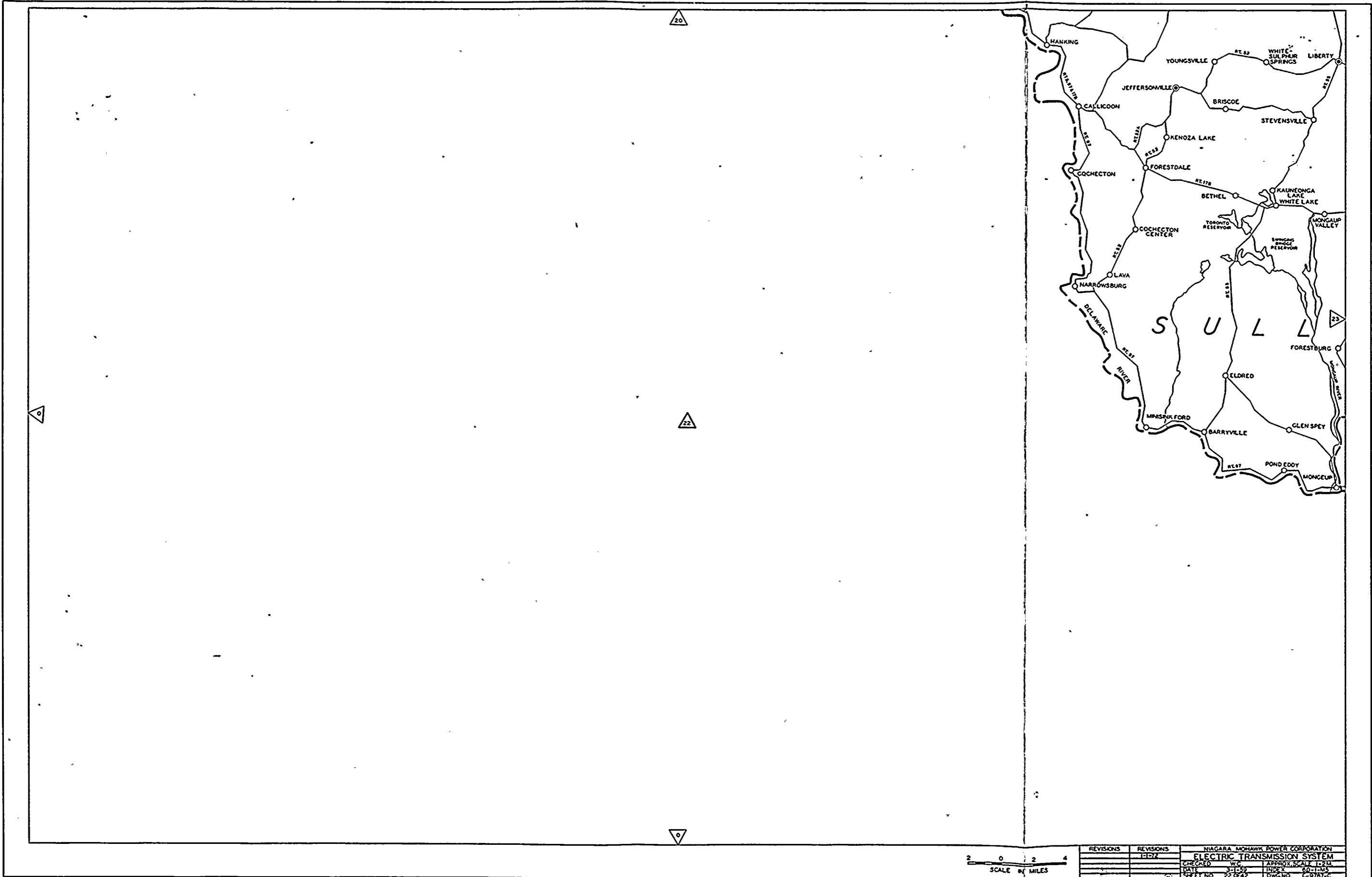
| REVISIONS | | REVISIONS | | NAGARA MOHAWK POWER CORPORATION | |
|-----------|-------|-----------|-------|---------------------------------|-----------------------------|
| 1 | 10/17 | 1 | 10/17 | ELECTRIC TRANSMISSION SYSTEM | |
| 2 | 11/23 | 2 | 11/23 | CHECKED | W.C. APPROX. SCALE 1:25,000 |
| 3 | 12/13 | 3 | 12/13 | DATE | 12/13/54 |
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| 5 | 12/13 | 5 | 12/13 | DWG. NO. | C-9761-C |





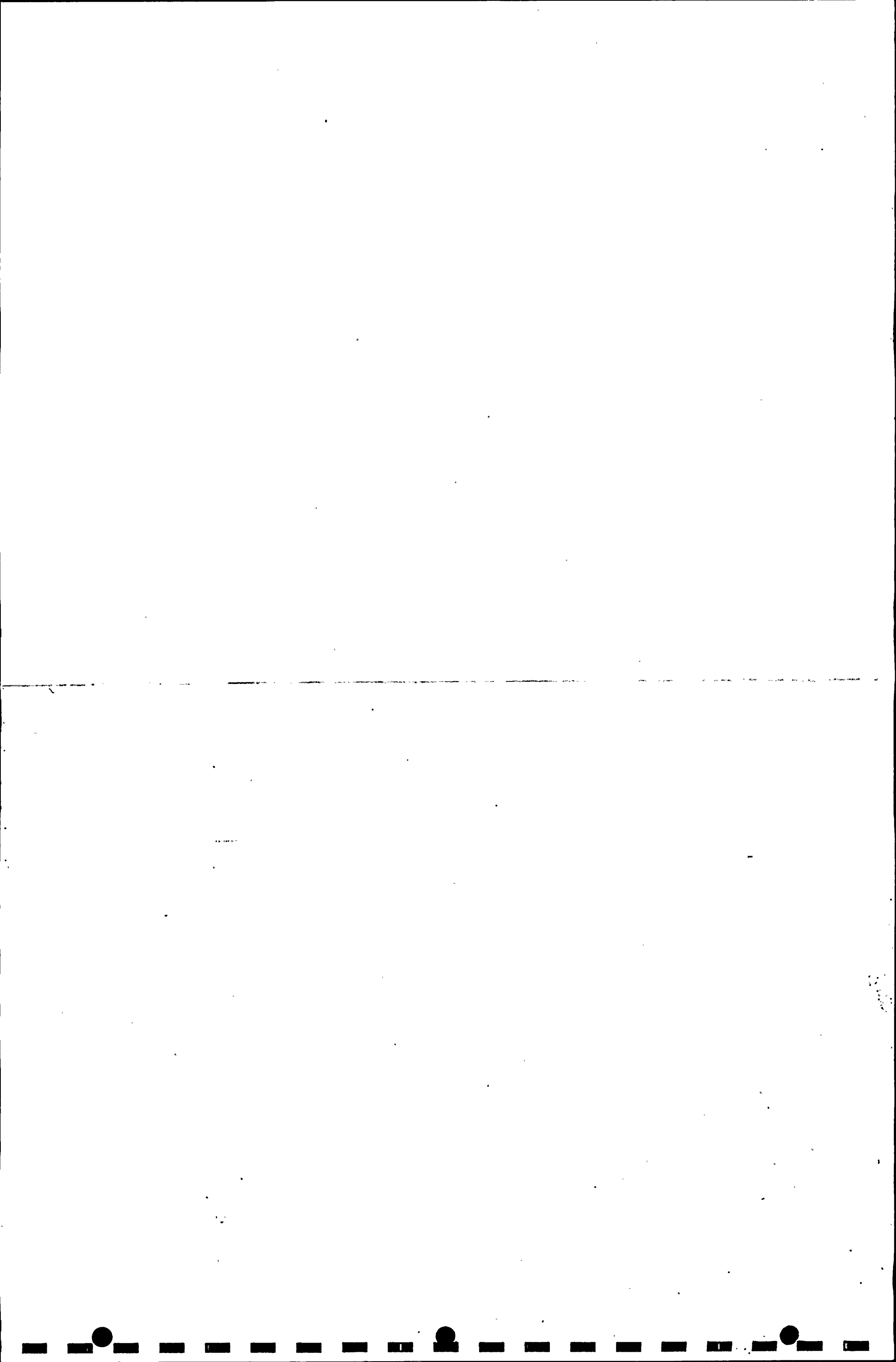
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|-----------|-----------|----------------------------------|------------------|
| 1-1-72 | 1-1-72 | ELECTRIC TRANSMISSION SYSTEM | |
| | | CREATED BY | APPROVED BY |
| | | DATE | INDEX |
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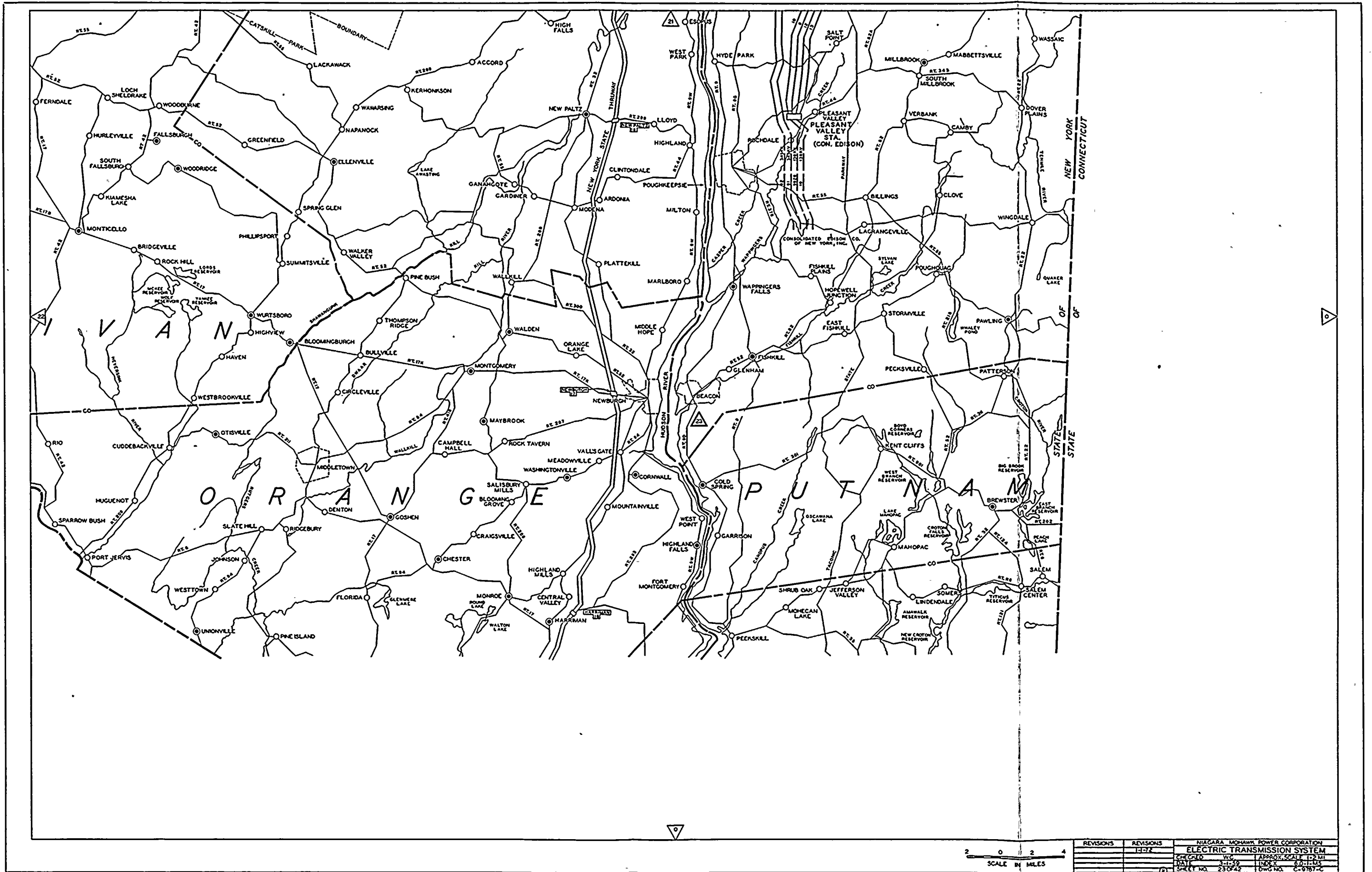




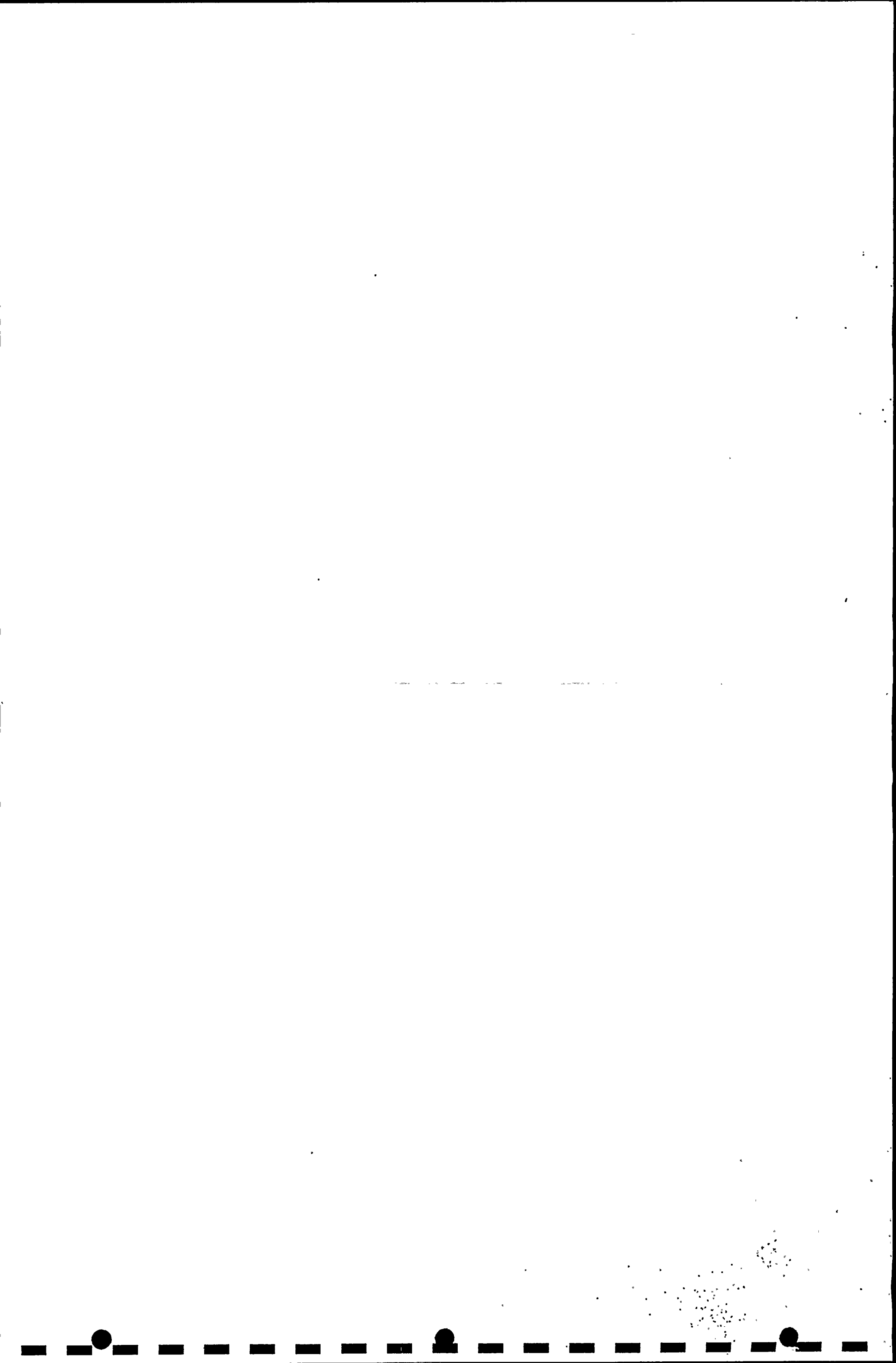
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| REVISIONS | REVISIONS | NIAGARA MOHAWK POWER CORPORATION | |
| | 11/72 | ELECTRIC TRANSMISSION SYSTEM | |
| CREATED | W.C. | APPROX. SCALE | 1:24 |
| DATE | 3-1-59 | INDEX | 80-T-100 |
| SHEET NO. | 22 OF 22 | TOWNSHIP | C-9787-C |

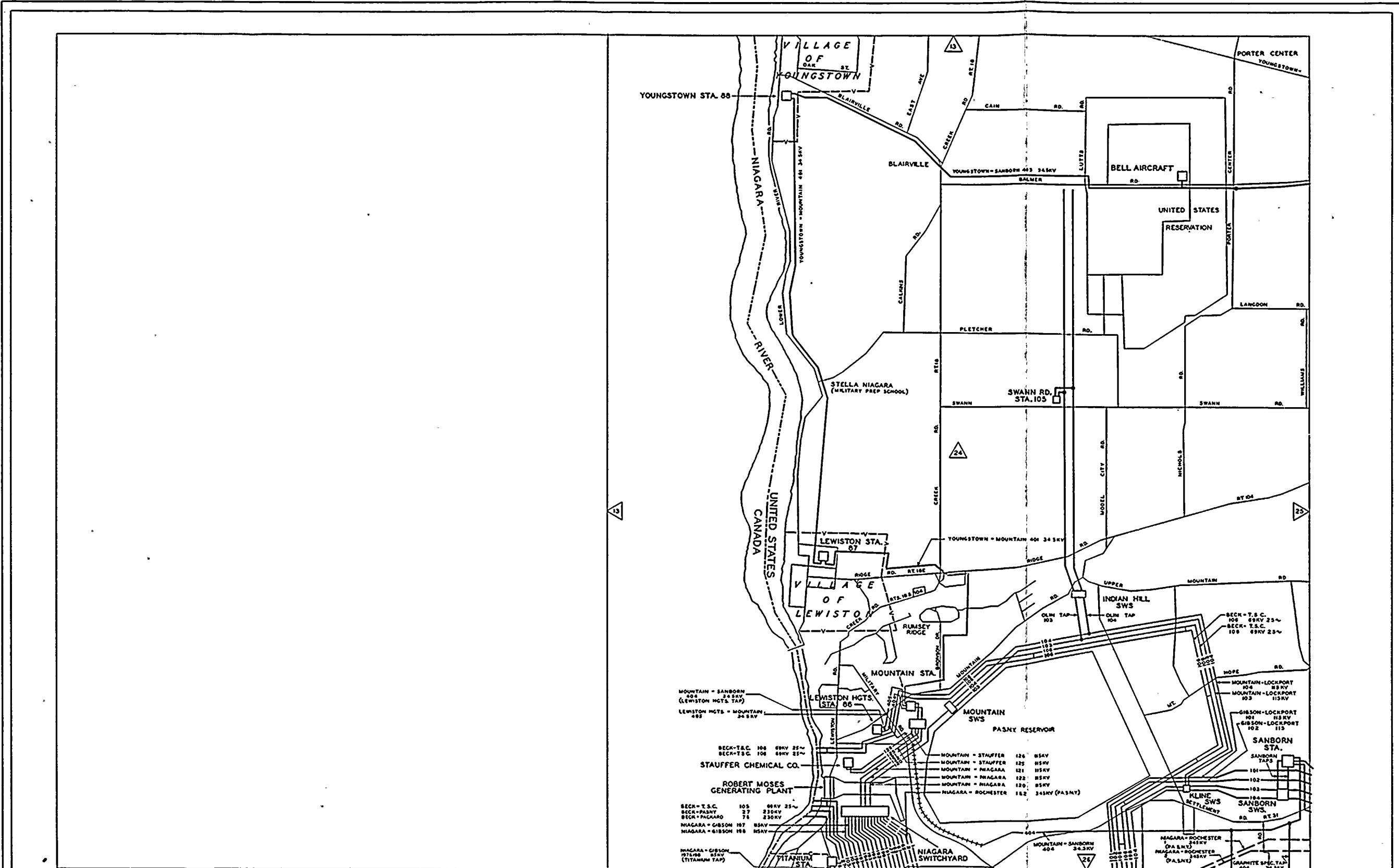
2 0 2 4
SCALE IN MILES





| REVISIONS | REVISIONS | DATE | BY | CHKD | APP'D |
|--|-----------|------|----|------|-------|
| | 1272 | | | | |
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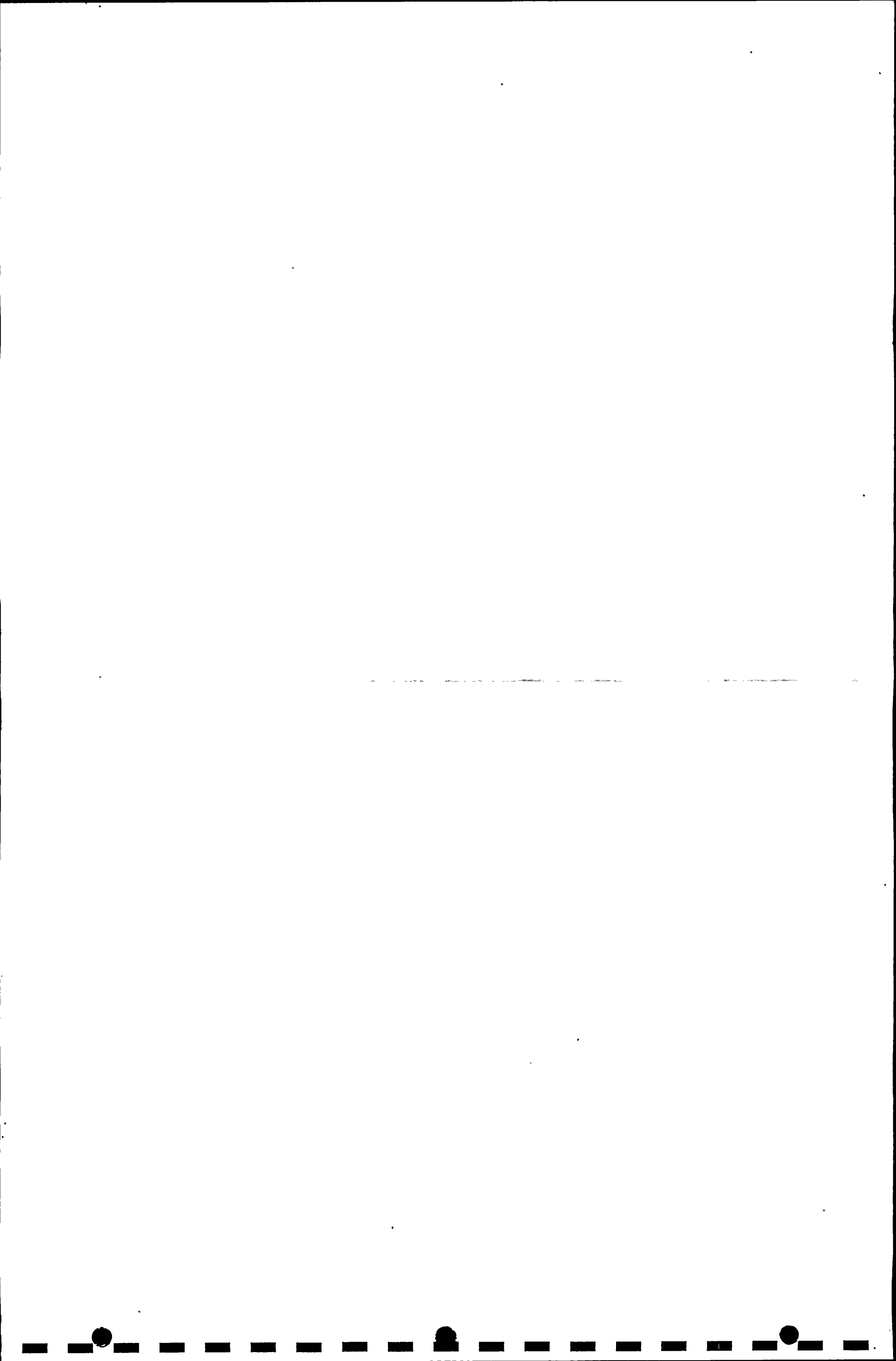


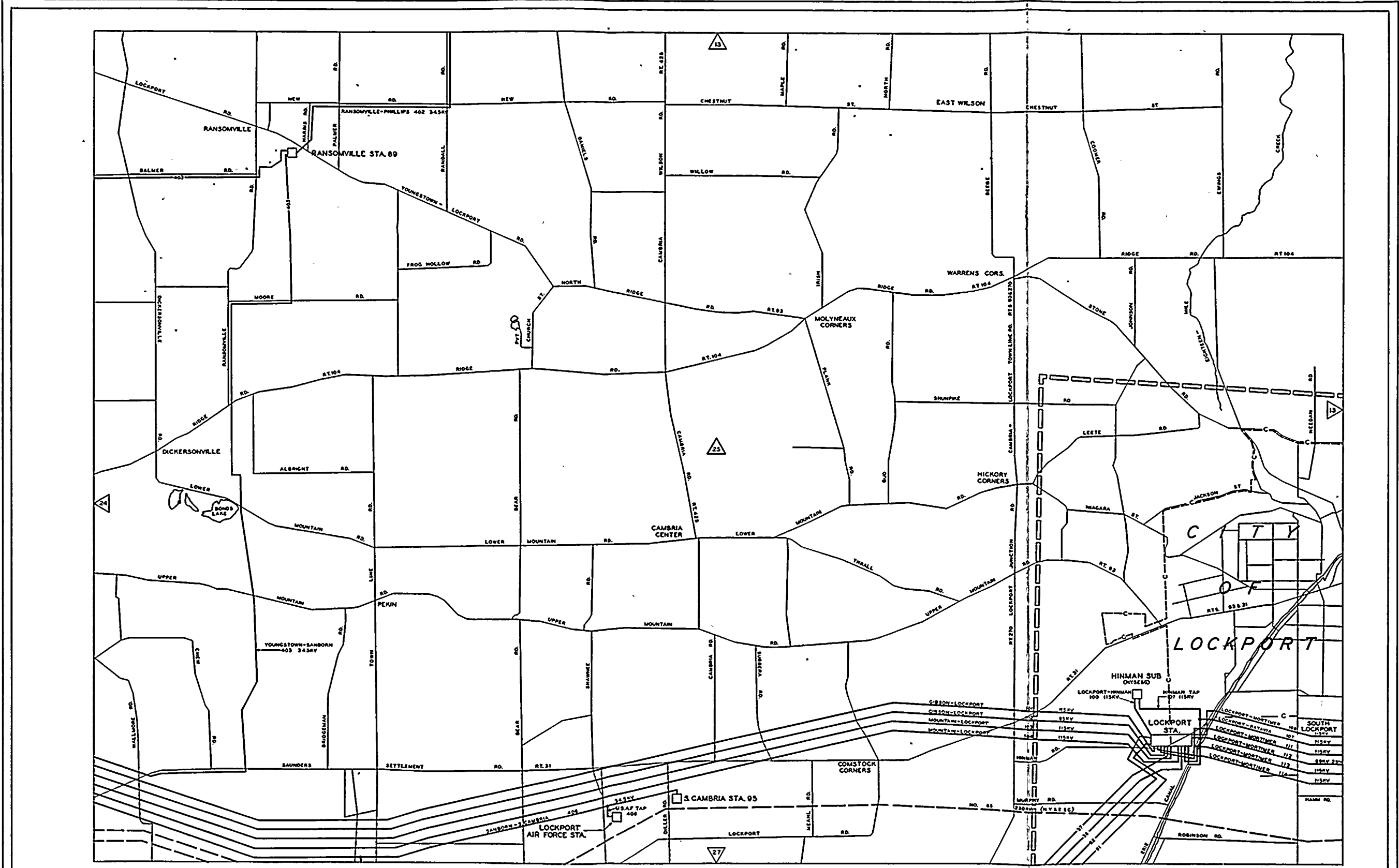


2000 0 2000 4000
SCALE IN FEET

| REVISIONS | | | REVISIONS | | | REVISIONS | | |
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| 2 | | | 2 | | | 2 | | |
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| 26 | | | 26 | | | 26 | | |

NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED: APPROX SCALE 1"=2000 FT
 DATE: 7-14-61 INDEX: 40-1-43
 SHEET NO. 24 OF 42 DWG. NO. C-9787-C

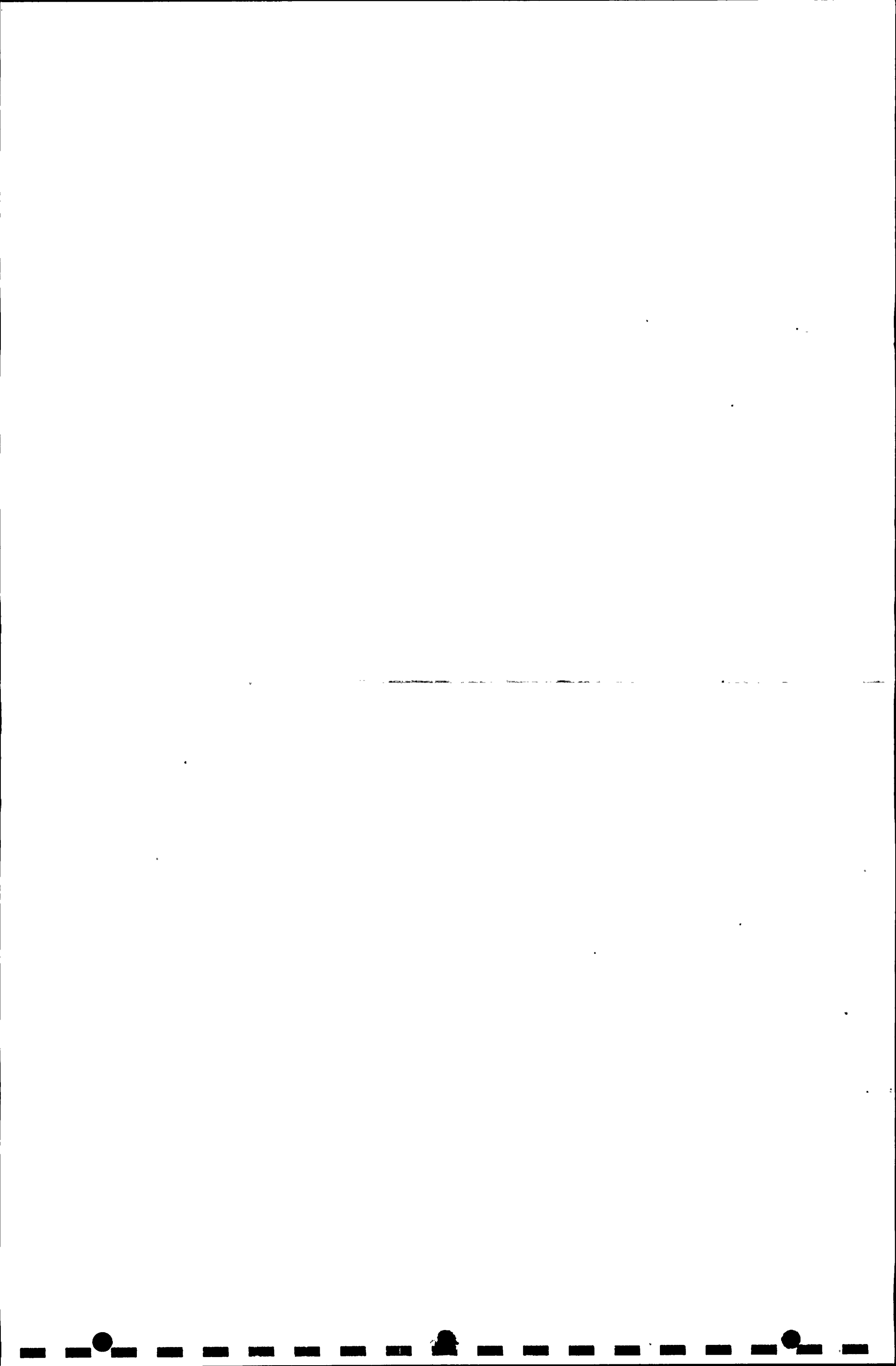


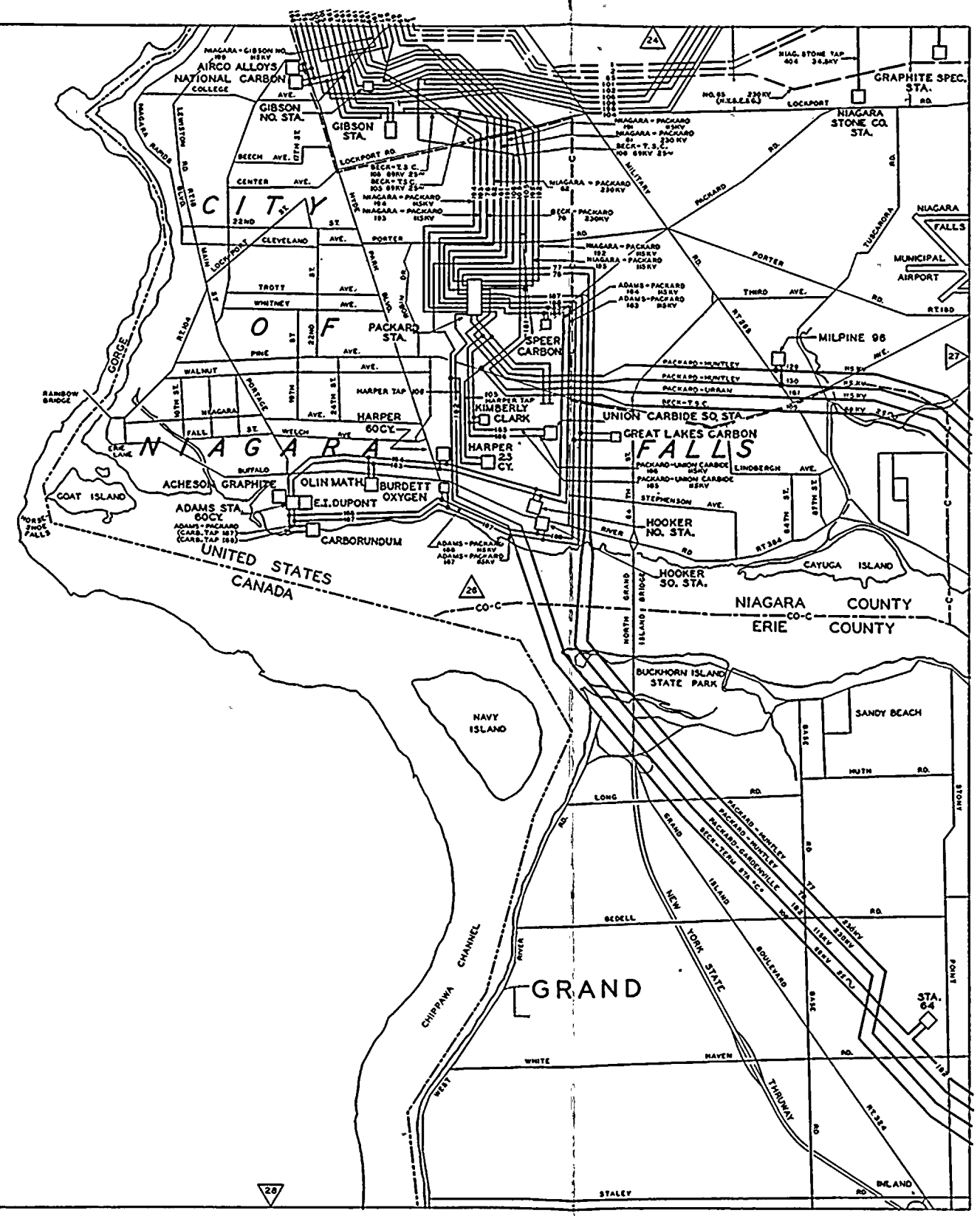


2000 0 2000 4000
SCALE IN FEET

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|-----------|----------|-----------|----------|-----------|----------|
| 1 | 11-11-72 | 1 | 11-11-72 | 1 | 11-11-72 |
| 2 | 11-11-72 | 2 | 11-11-72 | 2 | 11-11-72 |
| 3 | 11-11-72 | 3 | 11-11-72 | 3 | 11-11-72 |
| 4 | 11-11-72 | 4 | 11-11-72 | 4 | 11-11-72 |
| 5 | 11-11-72 | 5 | 11-11-72 | 5 | 11-11-72 |
| 6 | 11-11-72 | 6 | 11-11-72 | 6 | 11-11-72 |
| 7 | 11-11-72 | 7 | 11-11-72 | 7 | 11-11-72 |
| 8 | 11-11-72 | 8 | 11-11-72 | 8 | 11-11-72 |
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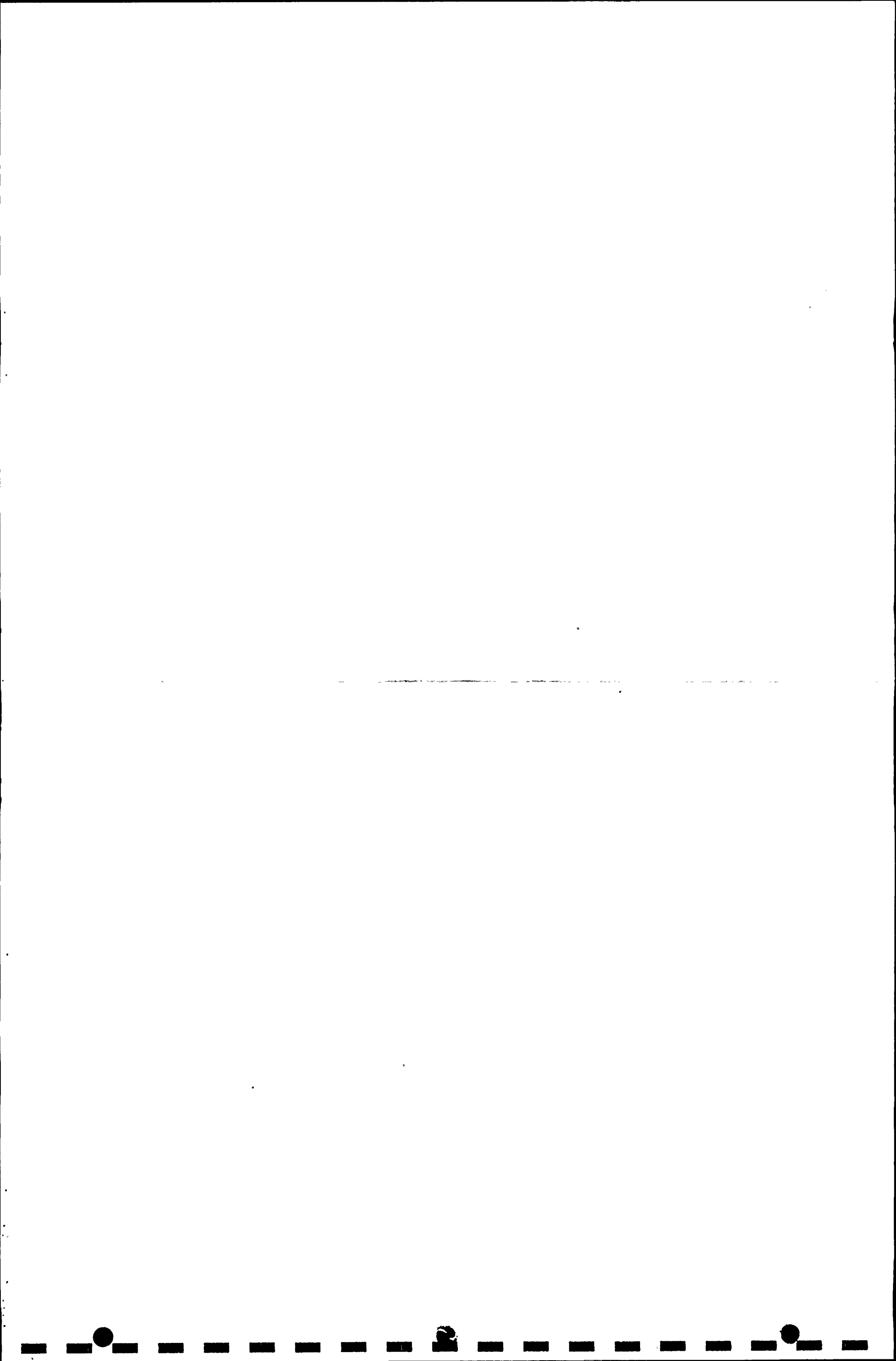
NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED JEM APPROX SCALE 1"=2000 FT
 DATE 8-22-78 INCHES 8.0-11.5
 SHEET NO. 25 OF 42 DWG. NO. C-9787-C

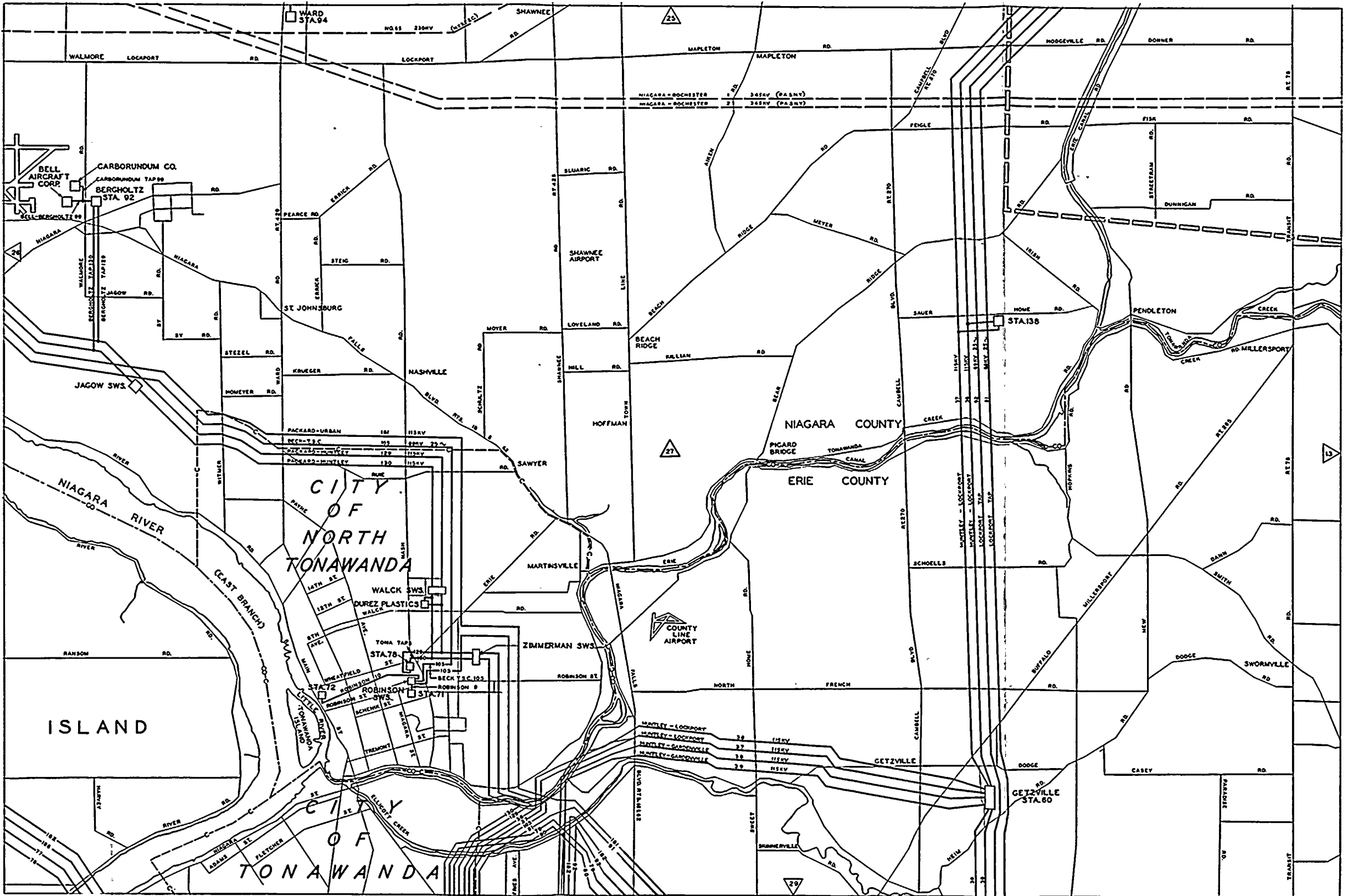




2000 0 2000 4000
SCALE IN FEET

| REVISIONS | | | | NIAGARA MOHAWK POWER CORPORATION ELECTRIC TRANSMISSION SYSTEM | | | |
|-----------|--------|--------|--------|--|--------------------------|----------|----------|
| 1-1-72 | 1-1-71 | 1-1-69 | 1-1-68 | CHECKED | APPROX. SCALE 1"=2000 FT | DATE | 7-14-61 |
| | | | | DATE | 7-14-61 | INCHES | 80=1/4" |
| | | | | SHEET NO. | 29 OF 42 | DWG. NO. | C-9787-C |

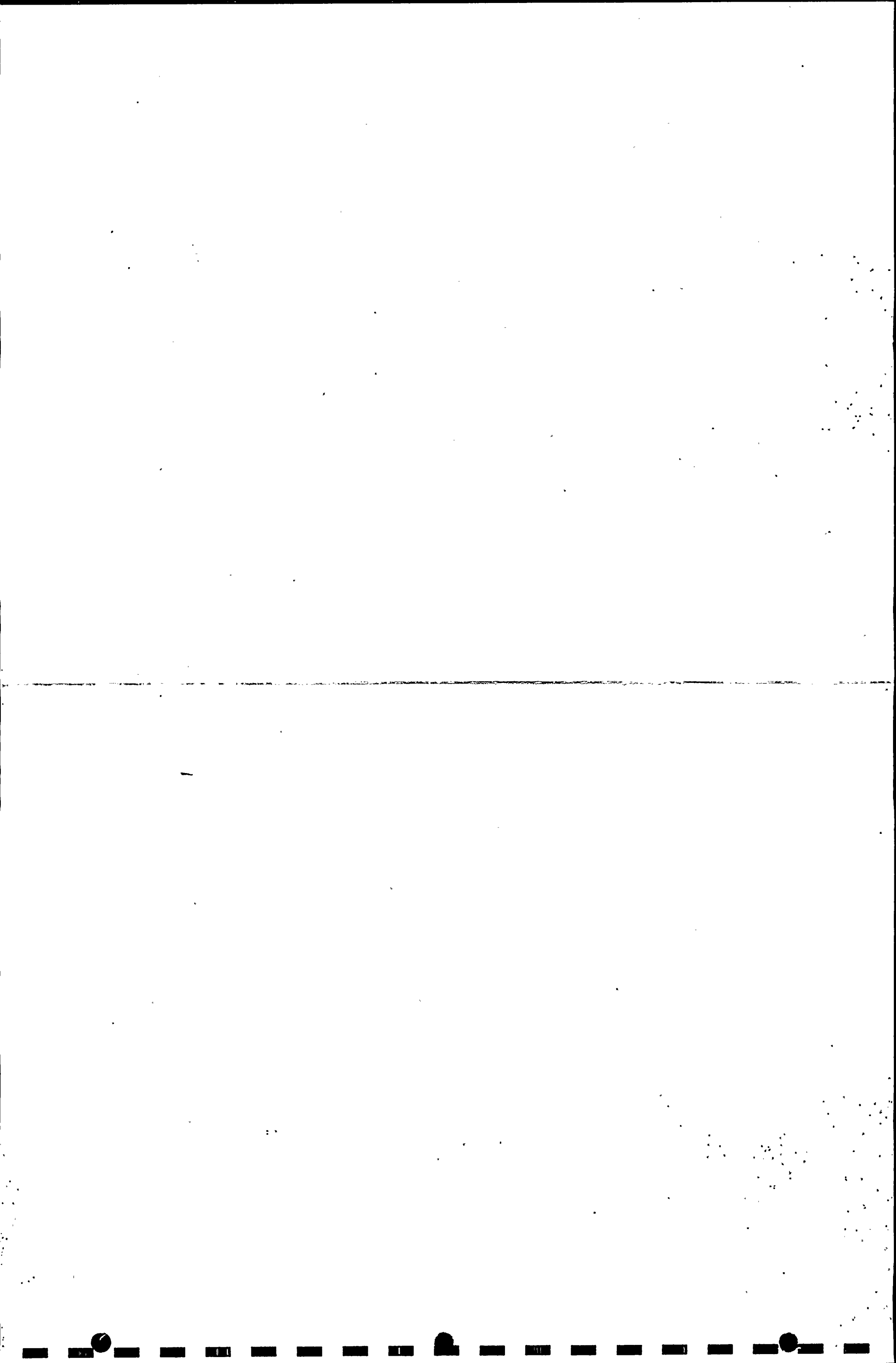


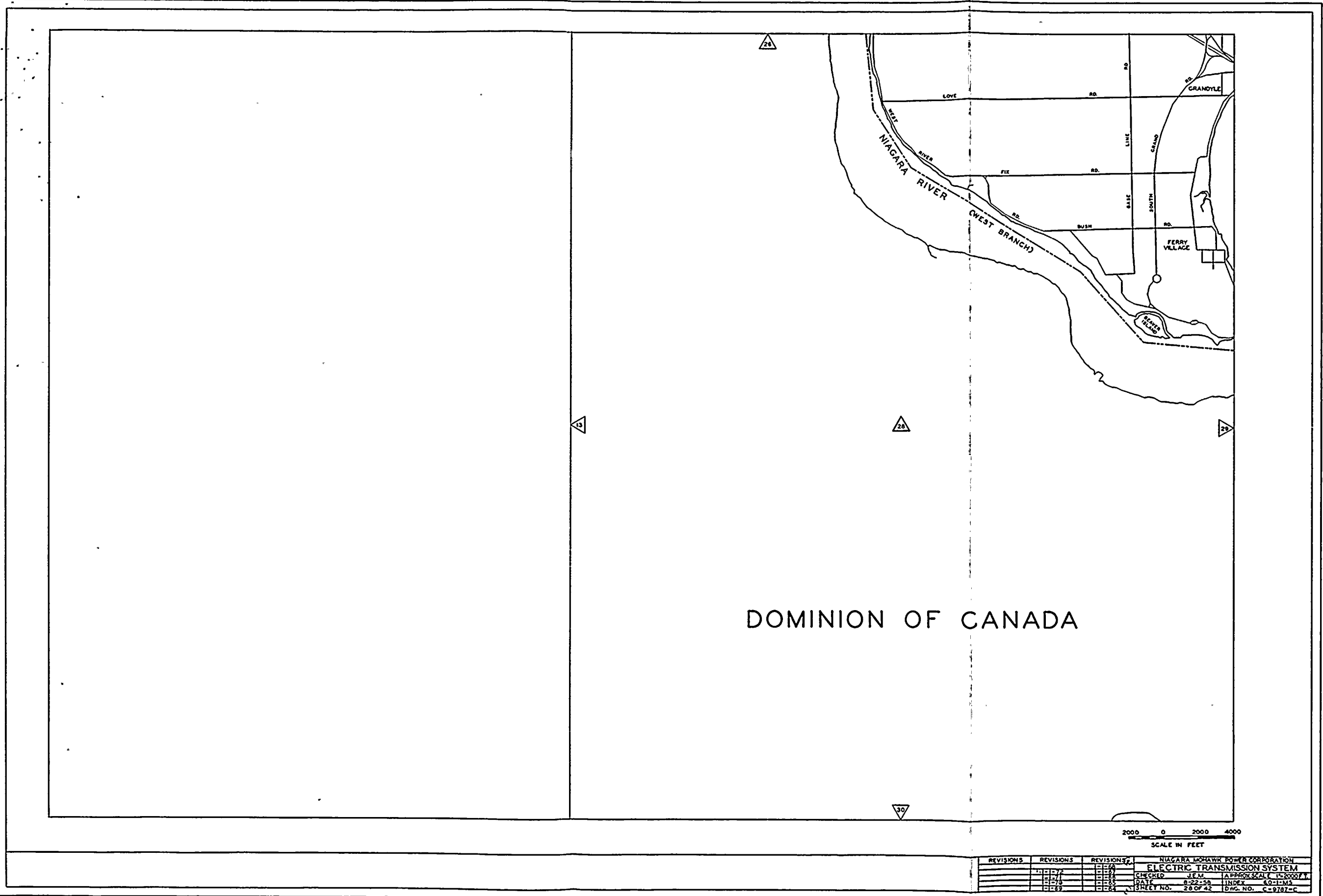


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SCALE IN FEET

| REVISIONS | | REVISIONS | | REVISIONS | |
|-----------|-------|-----------|-------|-----------|-------|
| 1 | 11-72 | 1 | 11-71 | 1 | 11-70 |
| 2 | 11-72 | 2 | 11-71 | 2 | 11-70 |
| 3 | 11-72 | 3 | 11-71 | 3 | 11-70 |
| 4 | 11-72 | 4 | 11-71 | 4 | 11-70 |
| 5 | 11-72 | 5 | 11-71 | 5 | 11-70 |

NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED J.E.M. APPROX SCALE 1"=2000 FT.
 DATE 8-22-58 INDEX 801-MS
 SHEET NO. 27 OF 42 DWG. NO. C-9181-C



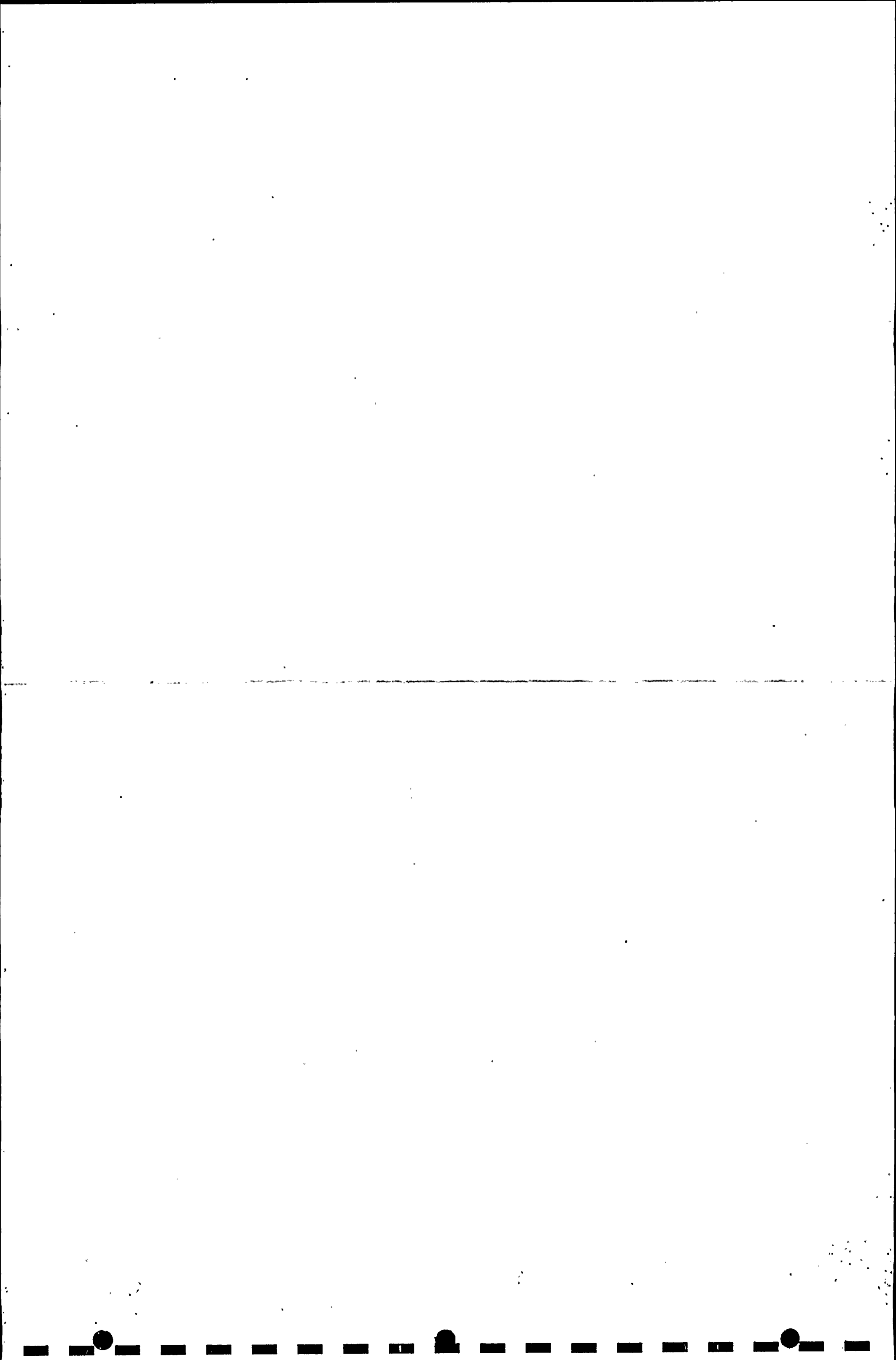


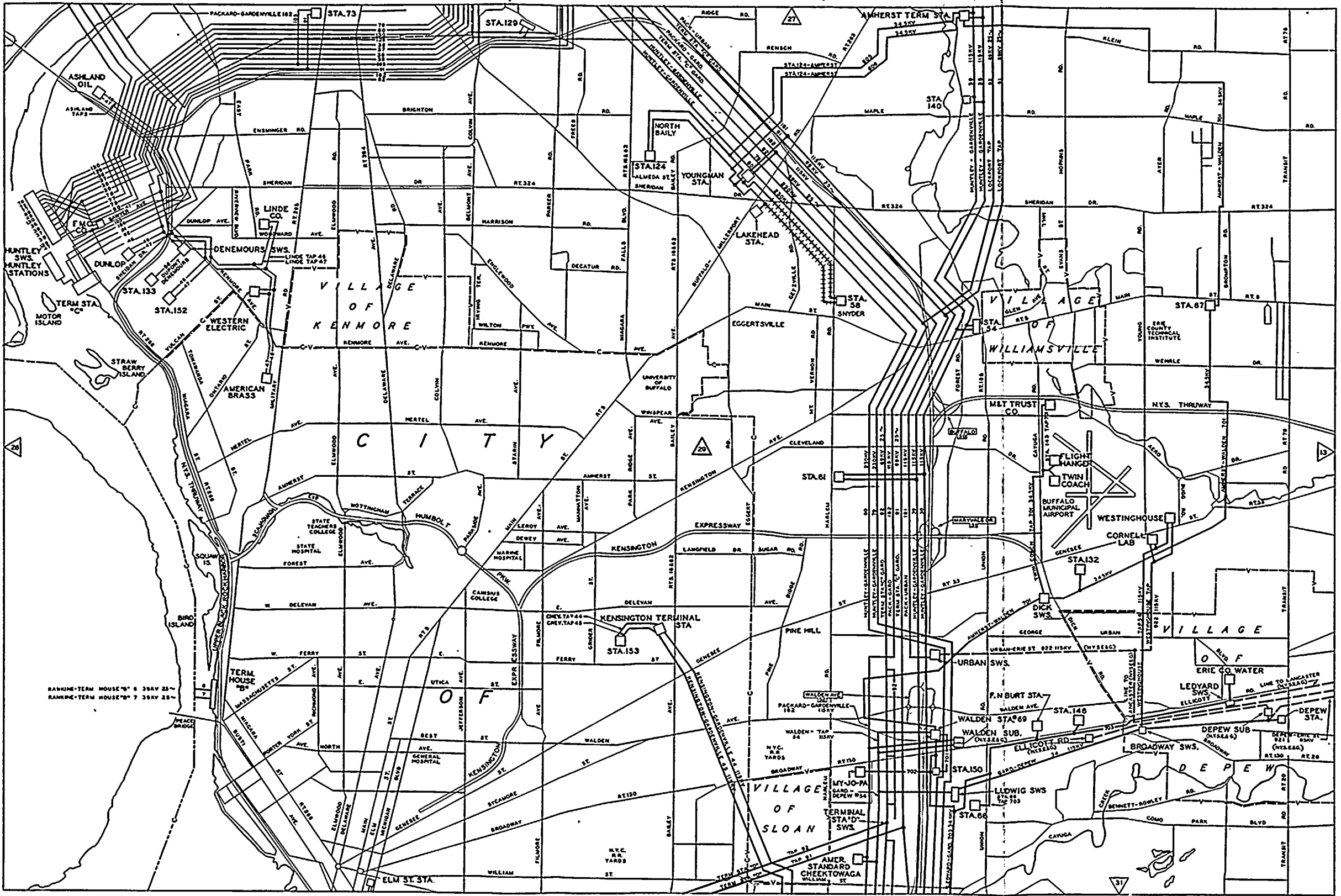
DOMINION OF CANADA

2000 0 2000 4000
SCALE IN FEET

| REVISIONS | | | | REVISIONS | | | | REVISIONS | | | | REVISIONS | | | |
|-----------|--|--|--|-----------|--|--|--|-----------|--|--|--|-----------|--|--|--|
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NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED J.E.W. APPROX SCALE 1"=2000' F.
 DATE 8-22-55 INDEX 60-1-MS
 SHEET NO. 26 OF 42 DWG. NO. C-9787-C



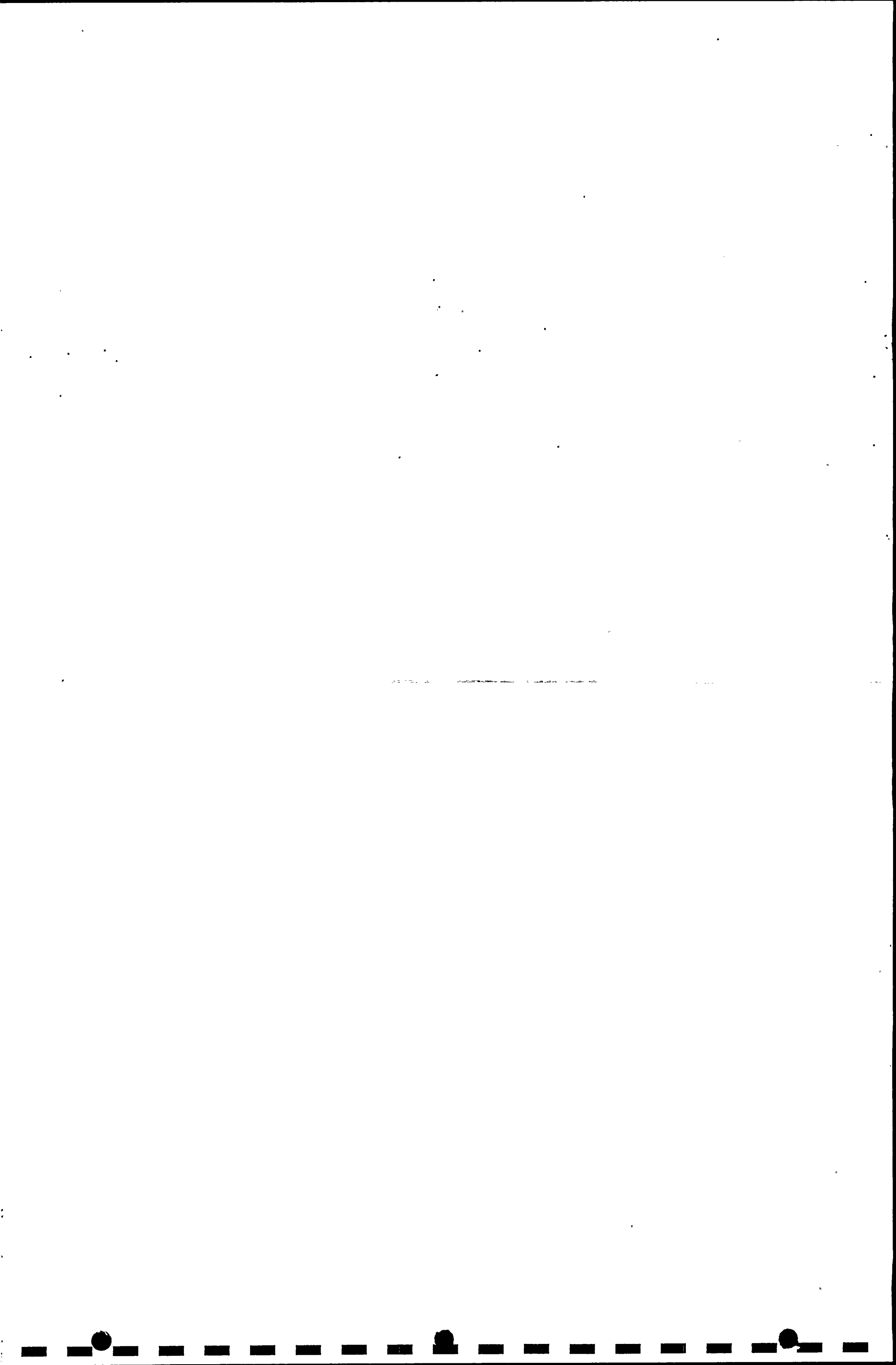


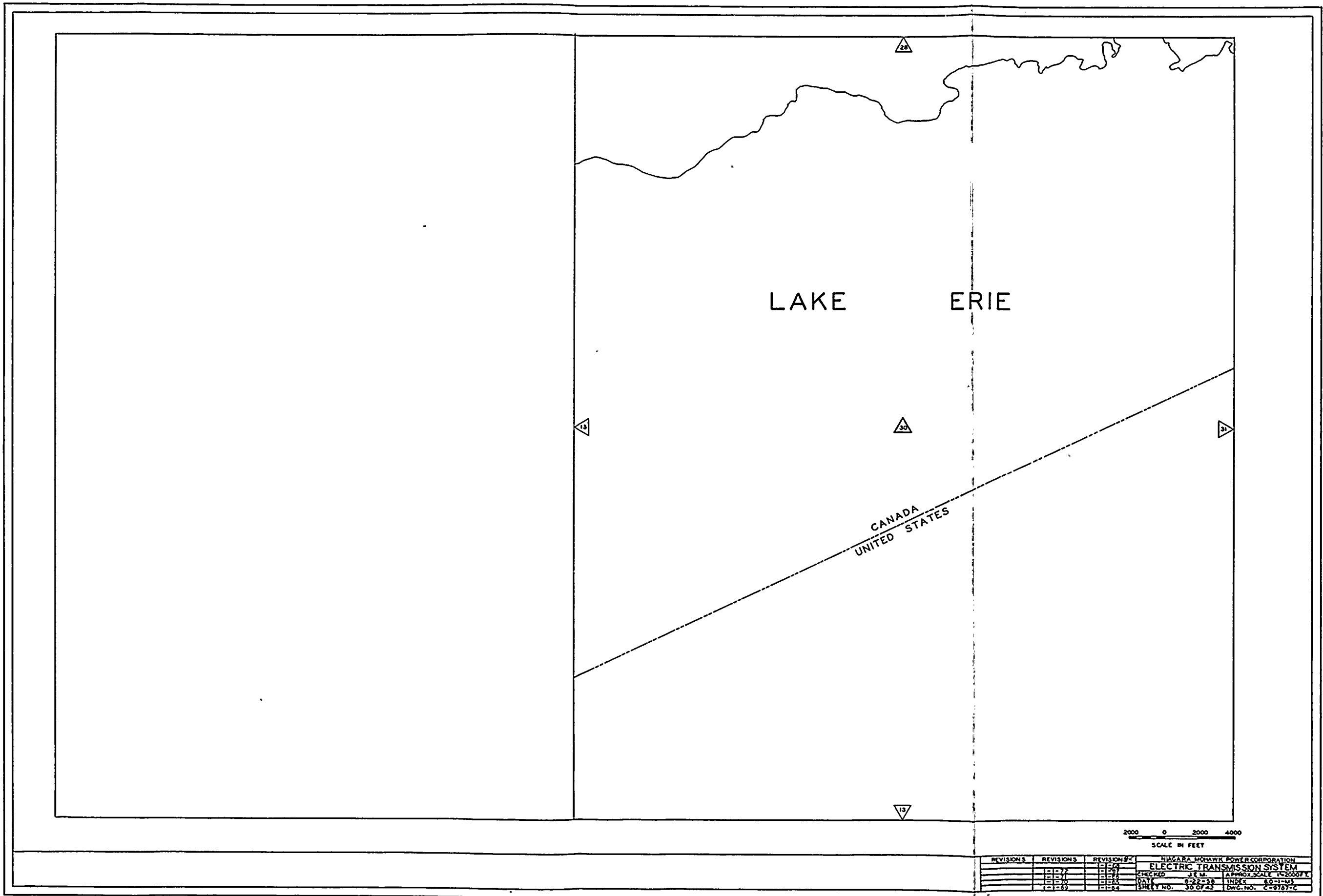
RANKINE-TERM HOUSE "B" 6 38KV 25"
 RANKINE-TERM HOUSE "B" 7 38KV 25"

2000 0 2000 4000
 SCALE IN FEET

| REVISIONS | REVISIONS | REVISIONS | REVISIONS |
|-----------|-----------|-----------|-----------|
| 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 |
| 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 |
| 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 |
| 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 |

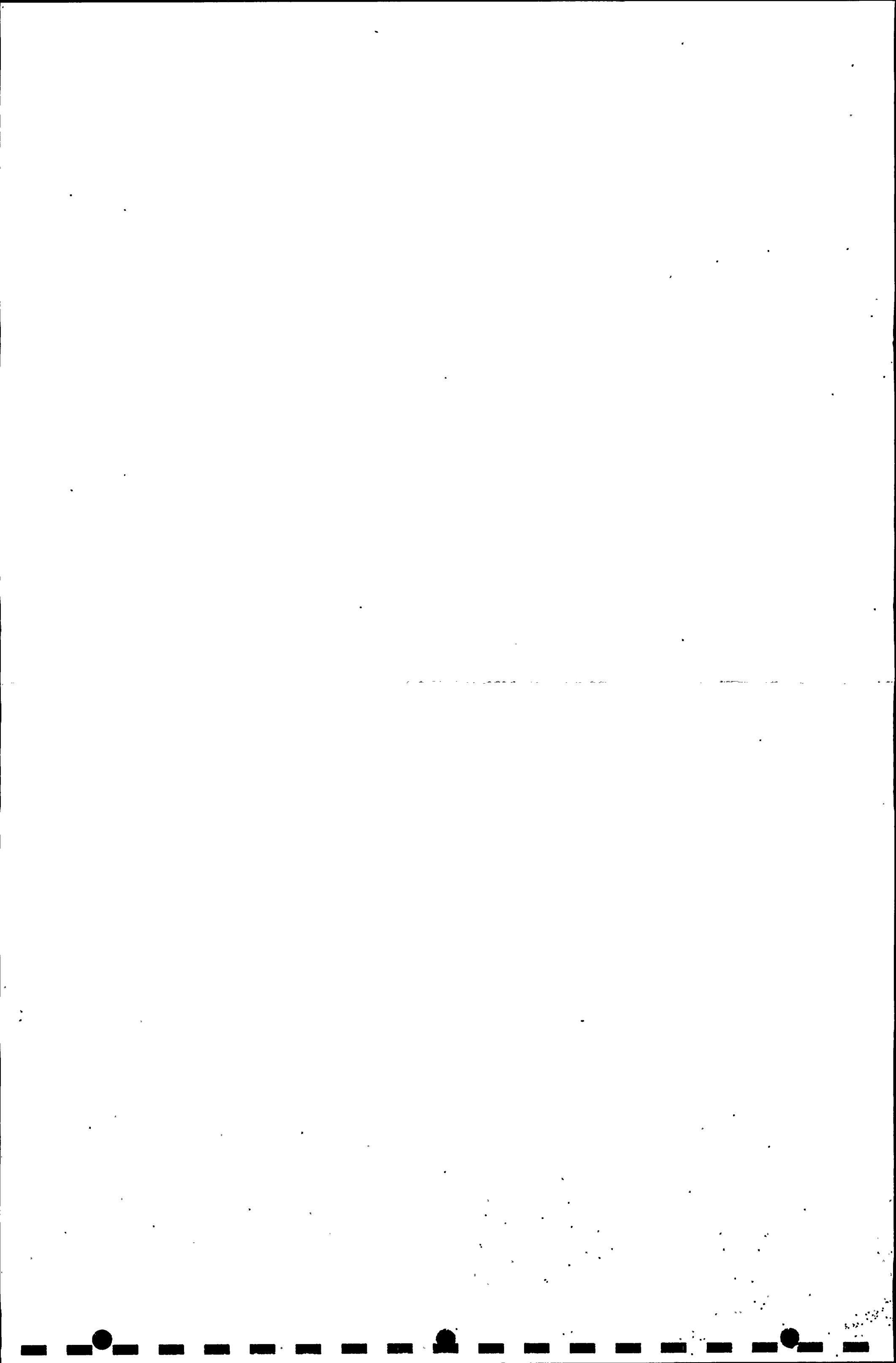
NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED BY J.E.M. APPROX. SCALE 1"=2000 FT.
 DATE 8-24-58 INDEX - B.D.145
 SHEET NO. 29 OF 42 DWG. NO. C-9707-C

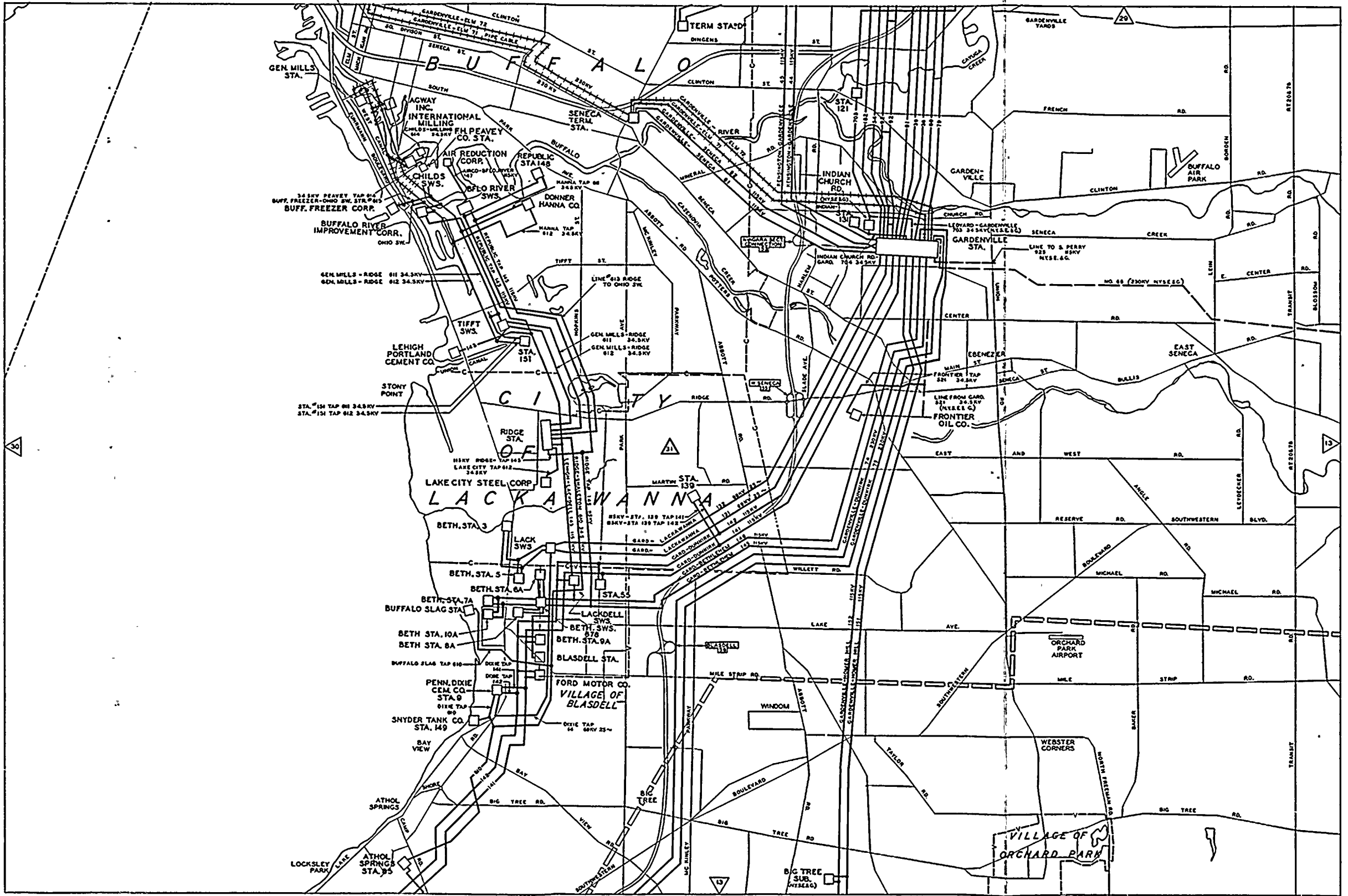




| REVISIONS | REVISIONS | REVISION # | DATE | BY | APPROVED |
|-----------|-----------|------------|--------|--------|----------|
| | 1-1-72 | 1 | 1-1-72 | J.E.M. | |
| | 1-1-71 | 1 | 1-1-71 | J.E.M. | |
| | 1-1-70 | 1 | 1-1-70 | J.E.M. | |
| | 1-1-69 | 1 | 1-1-69 | J.E.M. | |

NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED J.E.M. APPROX SCALE 1"=2000 FT.
 DATE 8-22-38 INK 8-0-42
 SHEET NO. 30 OF 42 DWG. NO. C-9107-C

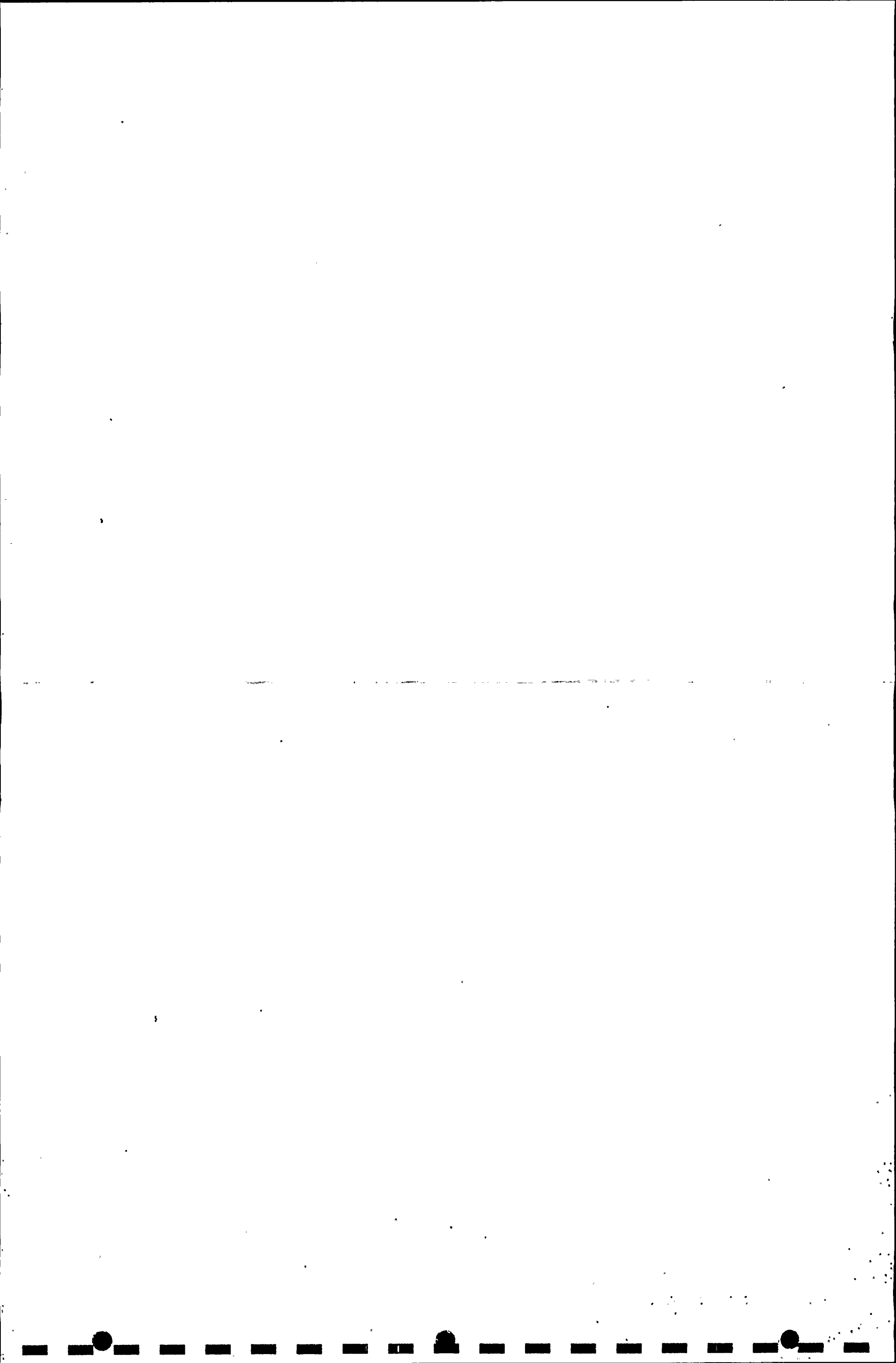


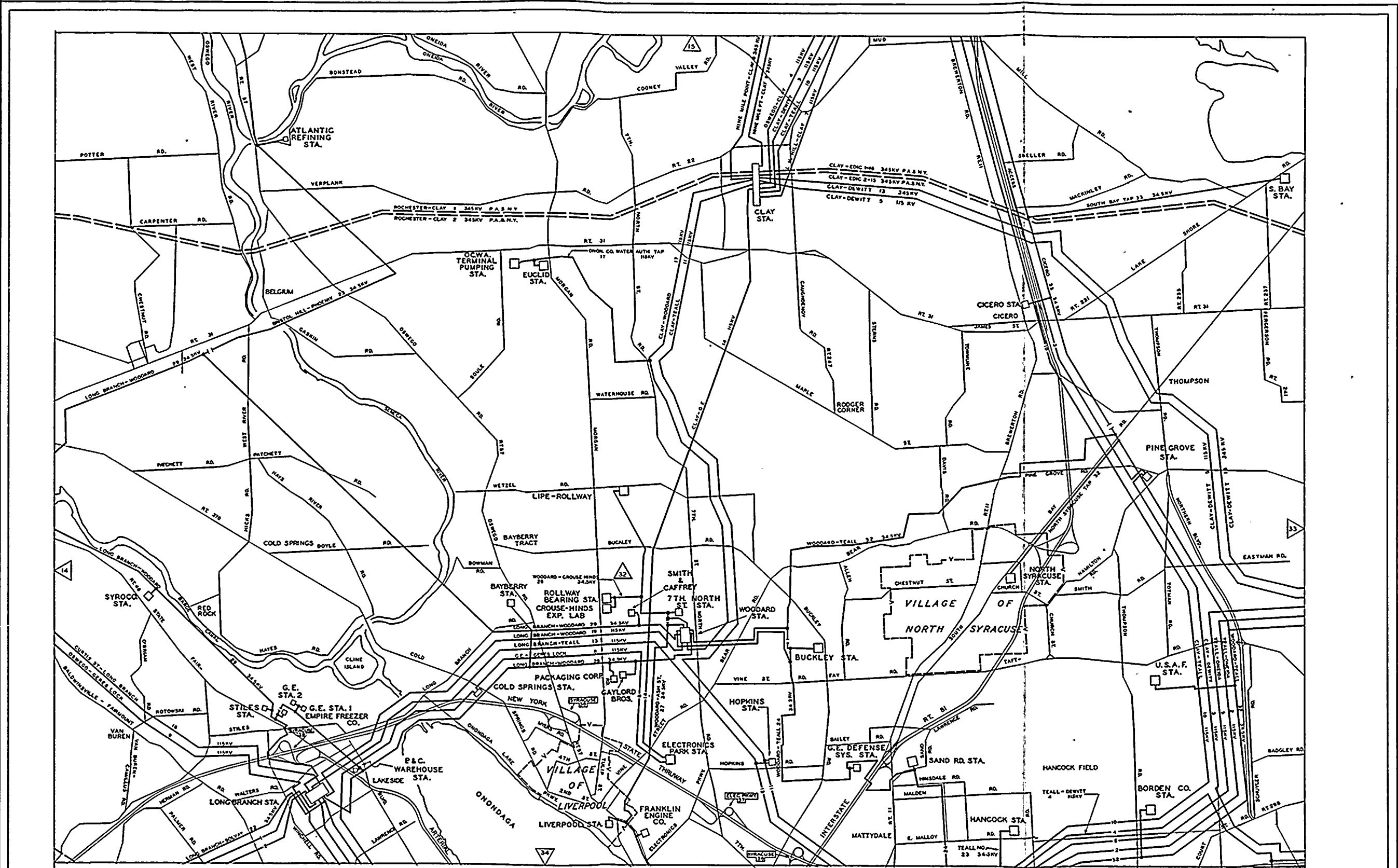


| REVISIONS | | | REVISIONS | | | REVISIONS | | | REVISIONS | | |
|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|
| 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 |
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SCALE IN FEET

NIAGARA MOHAWK POWER CORPORATION
ELECTRIC TRANSMISSION SYSTEM
CHECKED BY: [Signature]
DATE: 8-22-72
SHEET NO. 31 OF 42 DWG. NO. C-9787-C

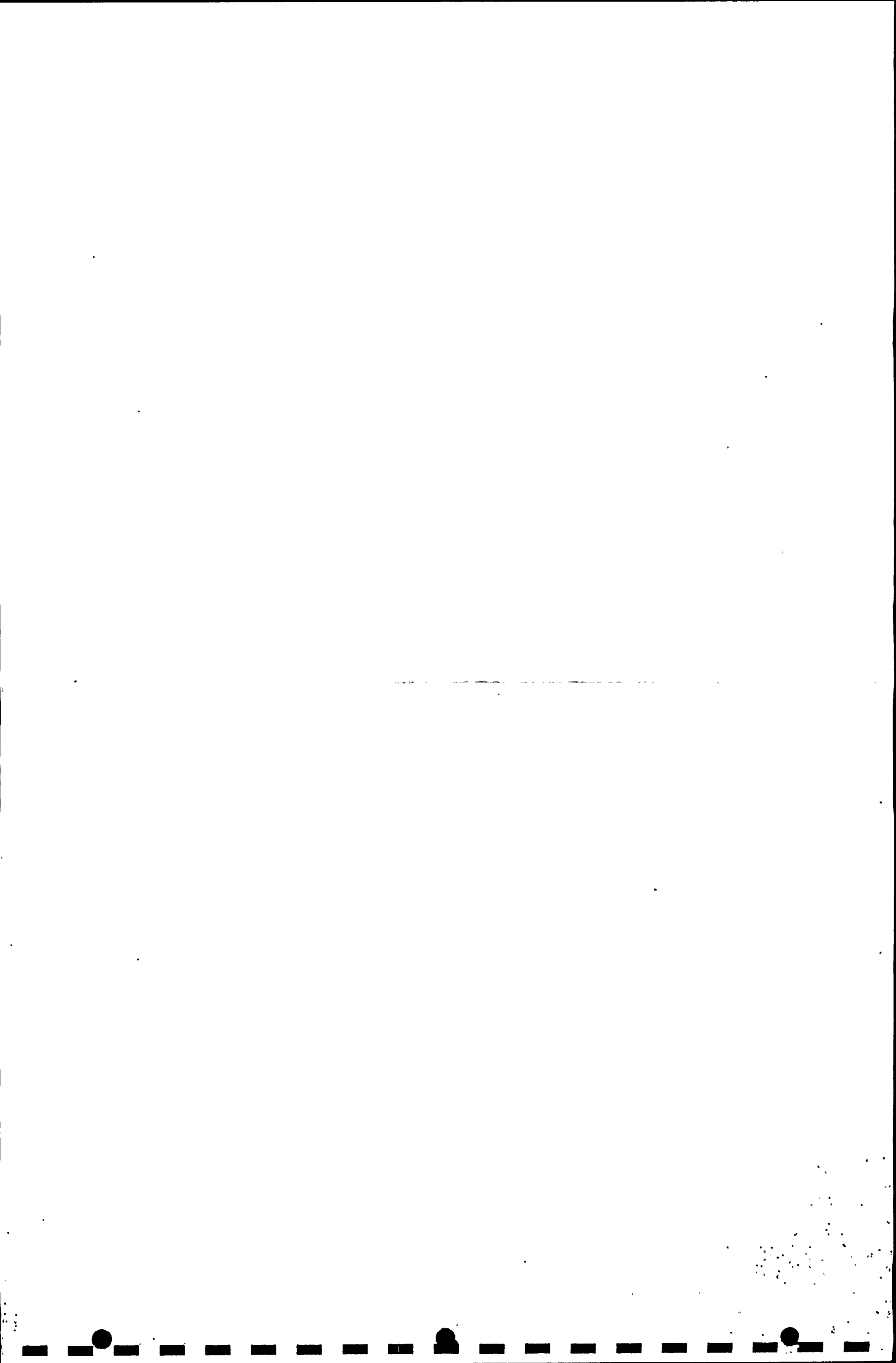


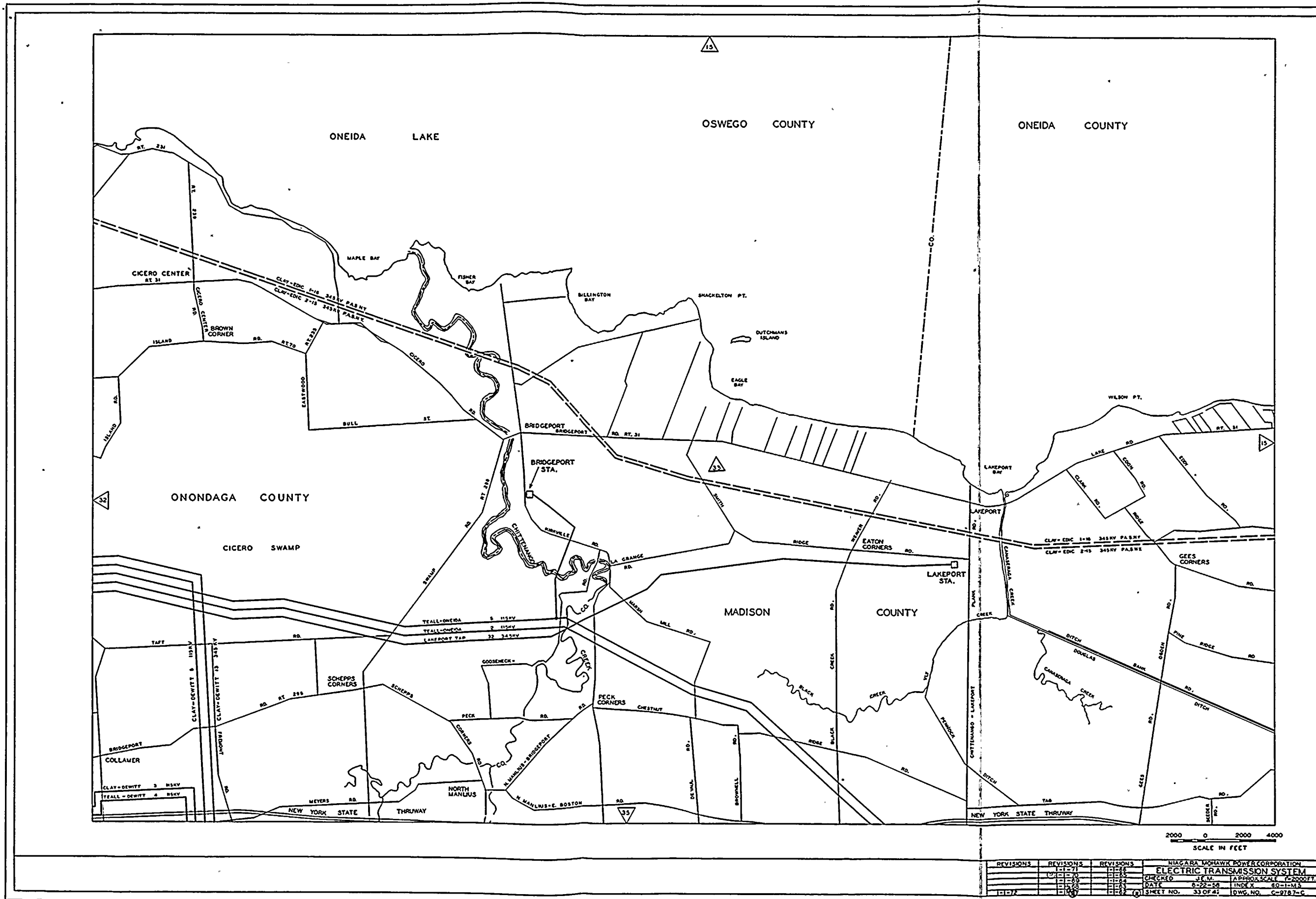


2000 0 2000 4000
SCALE IN FEET

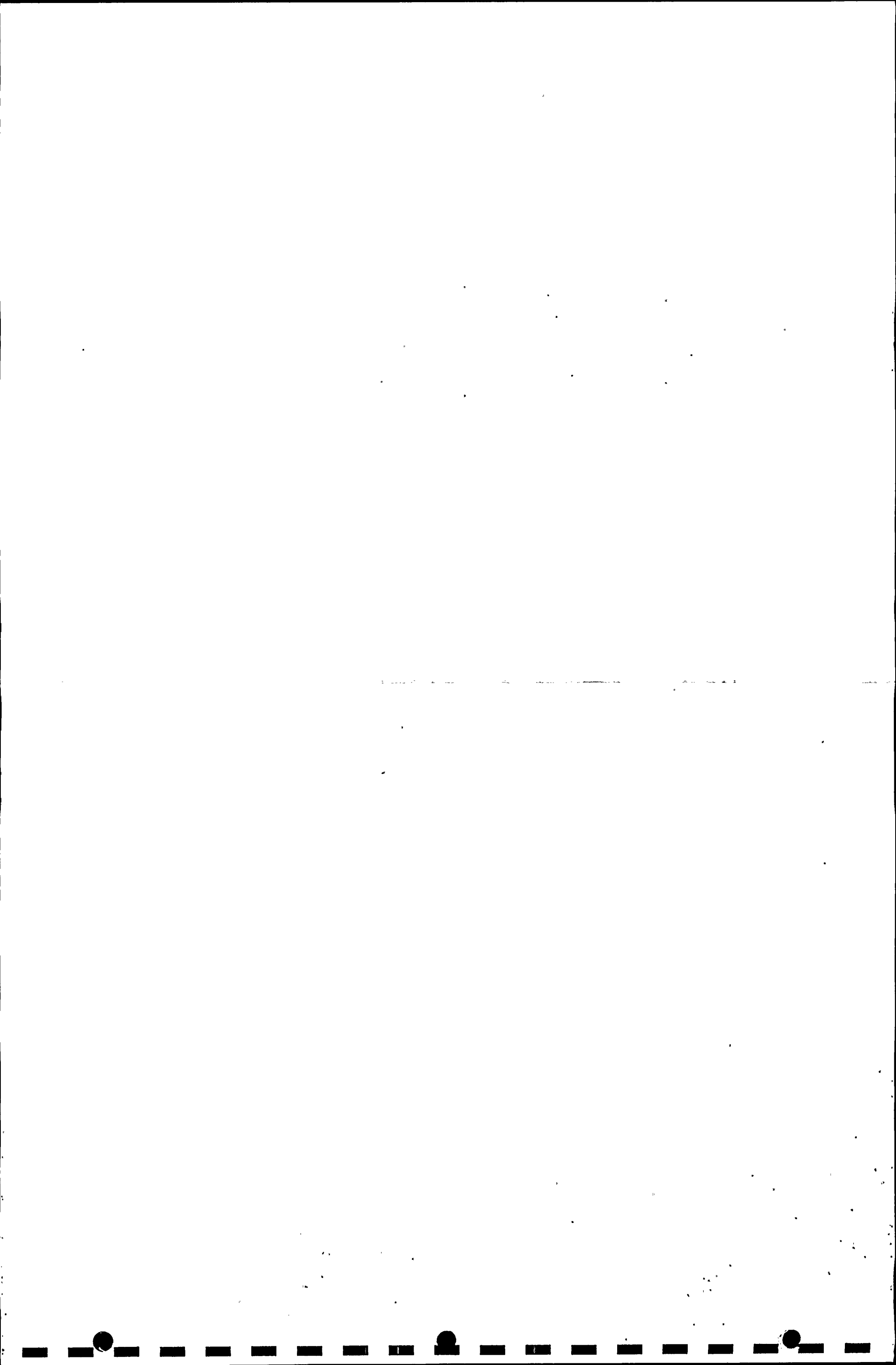
| REVISIONS | | REVISIONS | | REVISIONS | |
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| 2 | 1-1-58 | 2 | 1-1-58 | 2 | 1-1-58 |
| 3 | 1-1-58 | 3 | 1-1-58 | 3 | 1-1-58 |
| 4 | 1-1-58 | 4 | 1-1-58 | 4 | 1-1-58 |
| 5 | 1-1-58 | 5 | 1-1-58 | 5 | 1-1-58 |
| 6 | 1-1-58 | 6 | 1-1-58 | 6 | 1-1-58 |
| 7 | 1-1-58 | 7 | 1-1-58 | 7 | 1-1-58 |
| 8 | 1-1-58 | 8 | 1-1-58 | 8 | 1-1-58 |
| 9 | 1-1-58 | 9 | 1-1-58 | 9 | 1-1-58 |
| 10 | 1-1-58 | 10 | 1-1-58 | 10 | 1-1-58 |

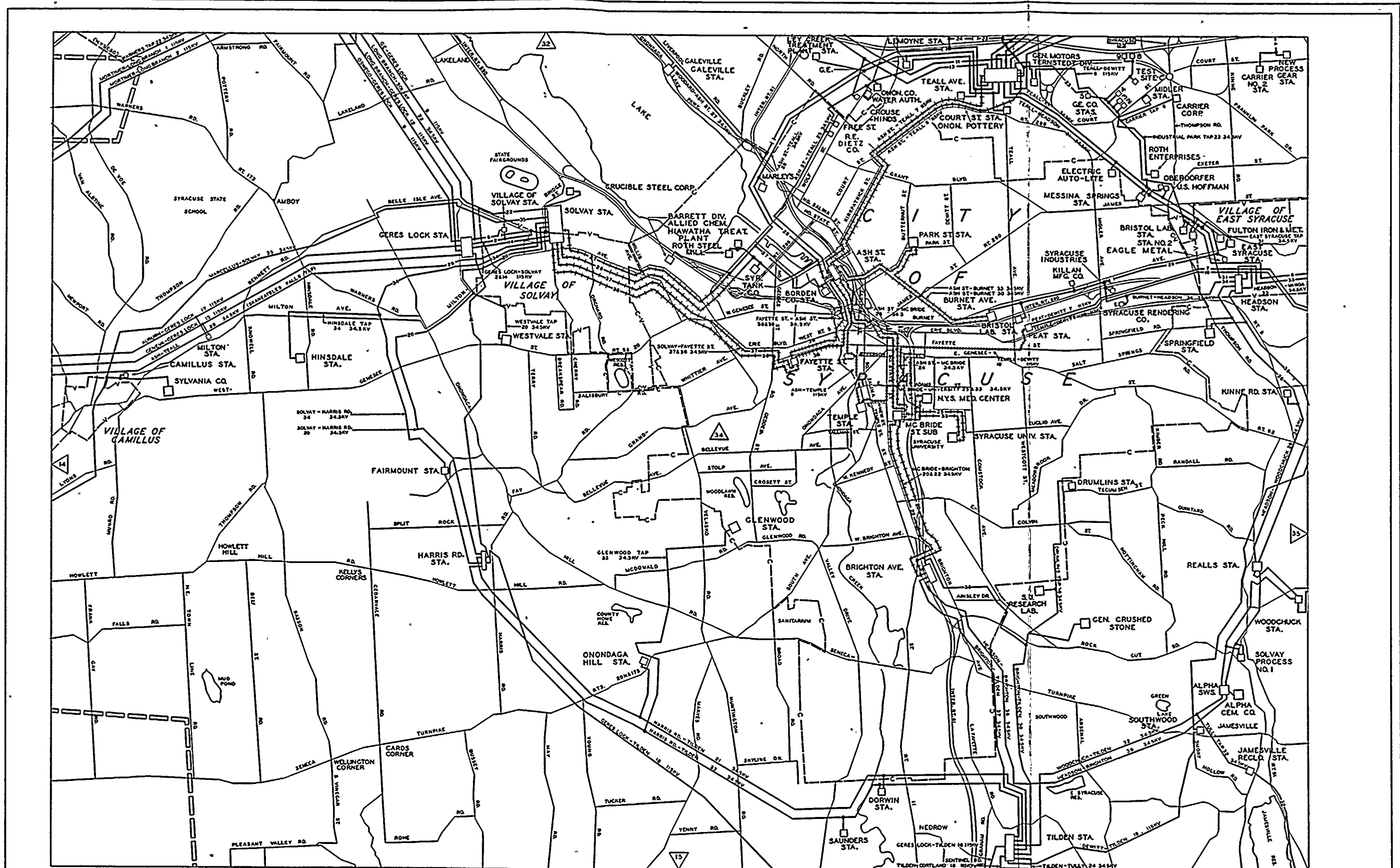
NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED BY: [Signature]
 DATE: 8-22-58 INDEX: 60-1-MS
 SHEET NO. 32 OF 42 DWG. NO. C-9787-C





| REVISIONS | | | | REVISIONS | | | | REVISIONS | | | |
|--|--------|--------|--------|-----------|--------|--------|--------|-----------|--------|--------|--------|
| 1-1-72 | 1-1-71 | 1-1-70 | 1-1-69 | 1-1-68 | 1-1-67 | 1-1-66 | 1-1-65 | 1-1-64 | 1-1-63 | 1-1-62 | 1-1-61 |
| | | | | | | | | | | | |
| NIAGARA MOHAWK POWER CORPORATION ELECTRIC TRANSMISSION SYSTEM CHECKED J.E.M. APPROX. SCALE 1"=2000 FT. DATE 8-22-58 INDEX 80-1-M3 SHEET NO. 33 OF 47 DWG. NO. C-9787-G | | | | | | | | | | | |

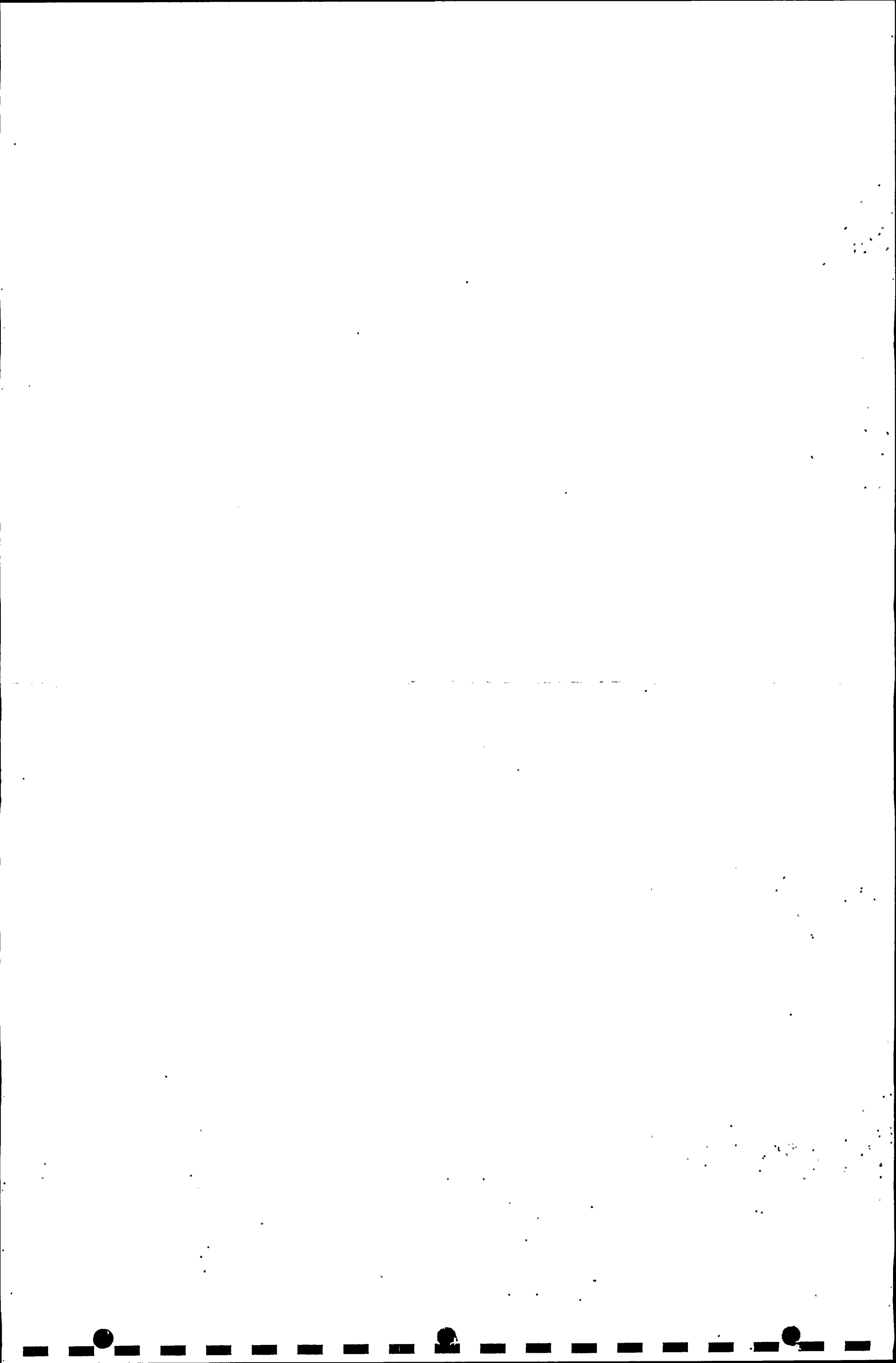


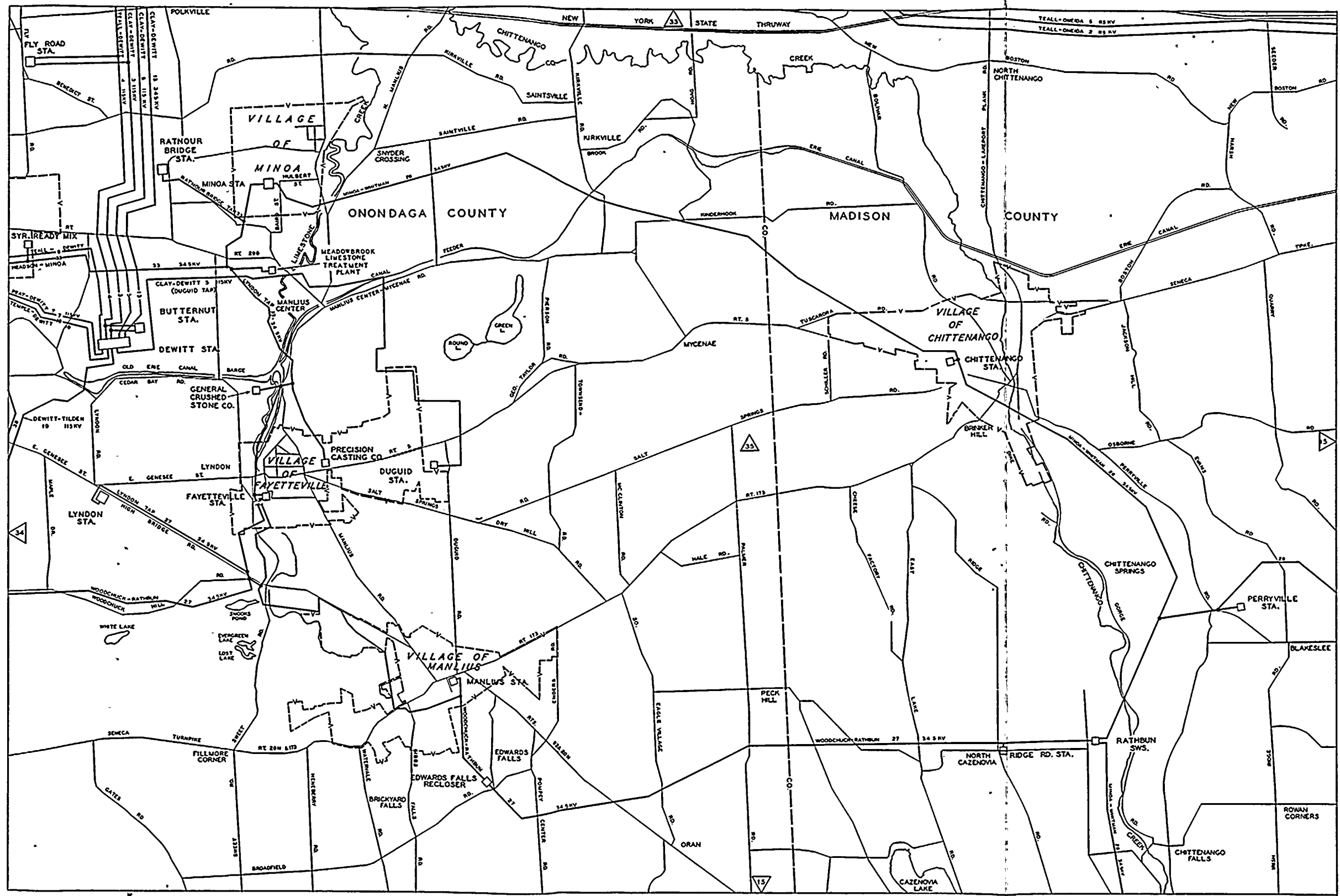


2000 0 2000 4000
SCALE IN FEET

| REVISIONS | | | | REVISIONS | | | | REVISIONS | | | | REVISIONS | | | |
|-----------|------|------|------|-----------|------|------|------|-----------|------|------|------|-----------|------|------|------|
| 1 | 1-71 | 1-71 | 1-71 | 1 | 1-71 | 1-71 | 1-71 | 1 | 1-71 | 1-71 | 1-71 | 1 | 1-71 | 1-71 | 1-71 |
| 2 | 1-71 | 1-71 | 1-71 | 2 | 1-71 | 1-71 | 1-71 | 2 | 1-71 | 1-71 | 1-71 | 2 | 1-71 | 1-71 | 1-71 |
| 3 | 1-71 | 1-71 | 1-71 | 3 | 1-71 | 1-71 | 1-71 | 3 | 1-71 | 1-71 | 1-71 | 3 | 1-71 | 1-71 | 1-71 |
| 4 | 1-71 | 1-71 | 1-71 | 4 | 1-71 | 1-71 | 1-71 | 4 | 1-71 | 1-71 | 1-71 | 4 | 1-71 | 1-71 | 1-71 |

NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED J.E.L. APPROX. SCALE 1:2000
 DATE 4-22-55 INCHES 60-11-55
 SHEET NO. 34 OF 42 DWG. NO. C-9181-C

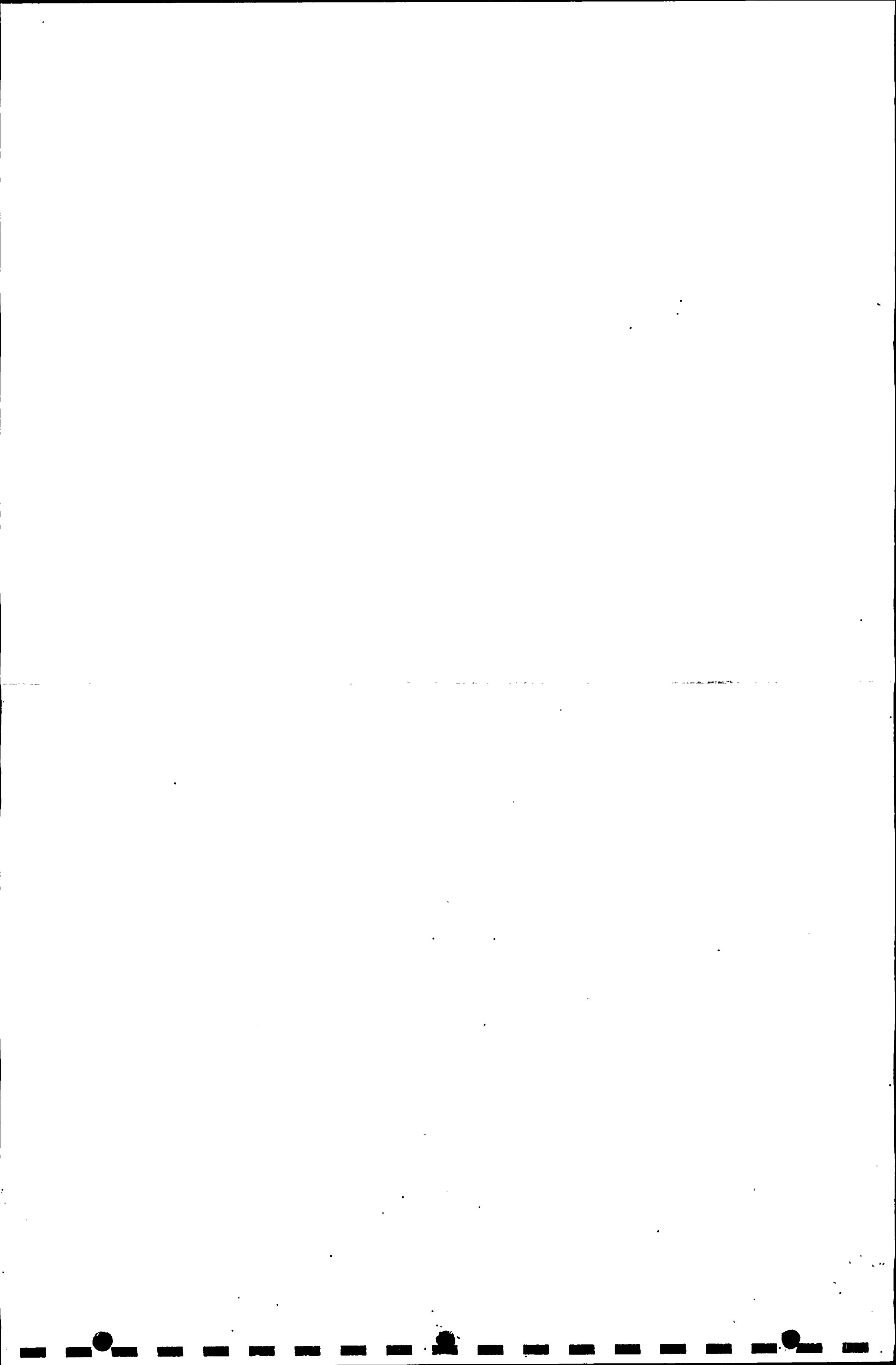


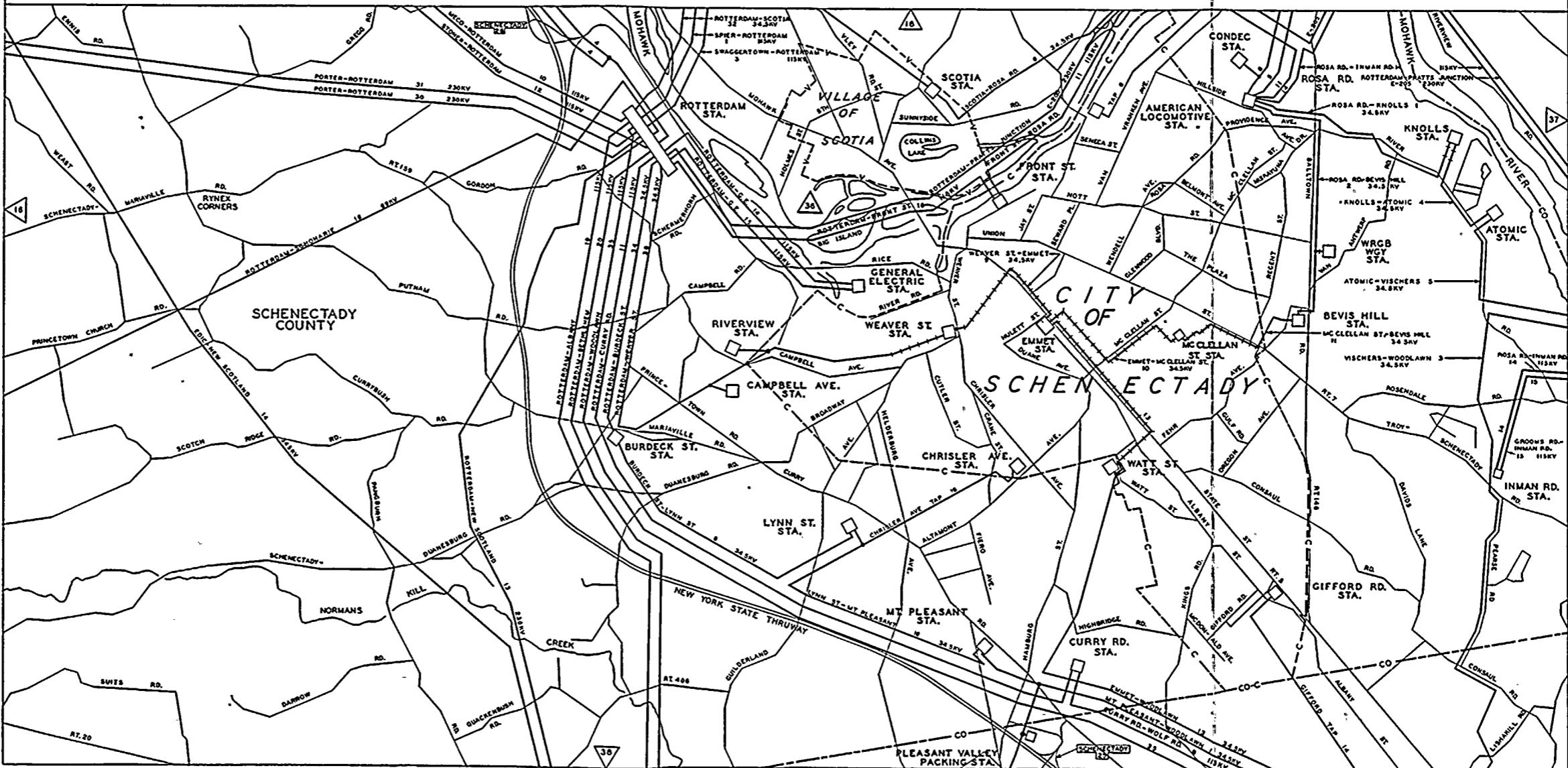


2000 0 2000 4000
SCALE IN FEET

| REVISIONS | REVISIONS | REVISIONS | REVISIONS |
|-----------|-----------|-----------|-----------|
| 1-1-78 | 2-1-78 | 3-1-78 | 4-1-78 |
| 5-1-78 | 6-1-78 | 7-1-78 | 8-1-78 |
| 9-1-78 | 10-1-78 | 11-1-78 | 12-1-78 |

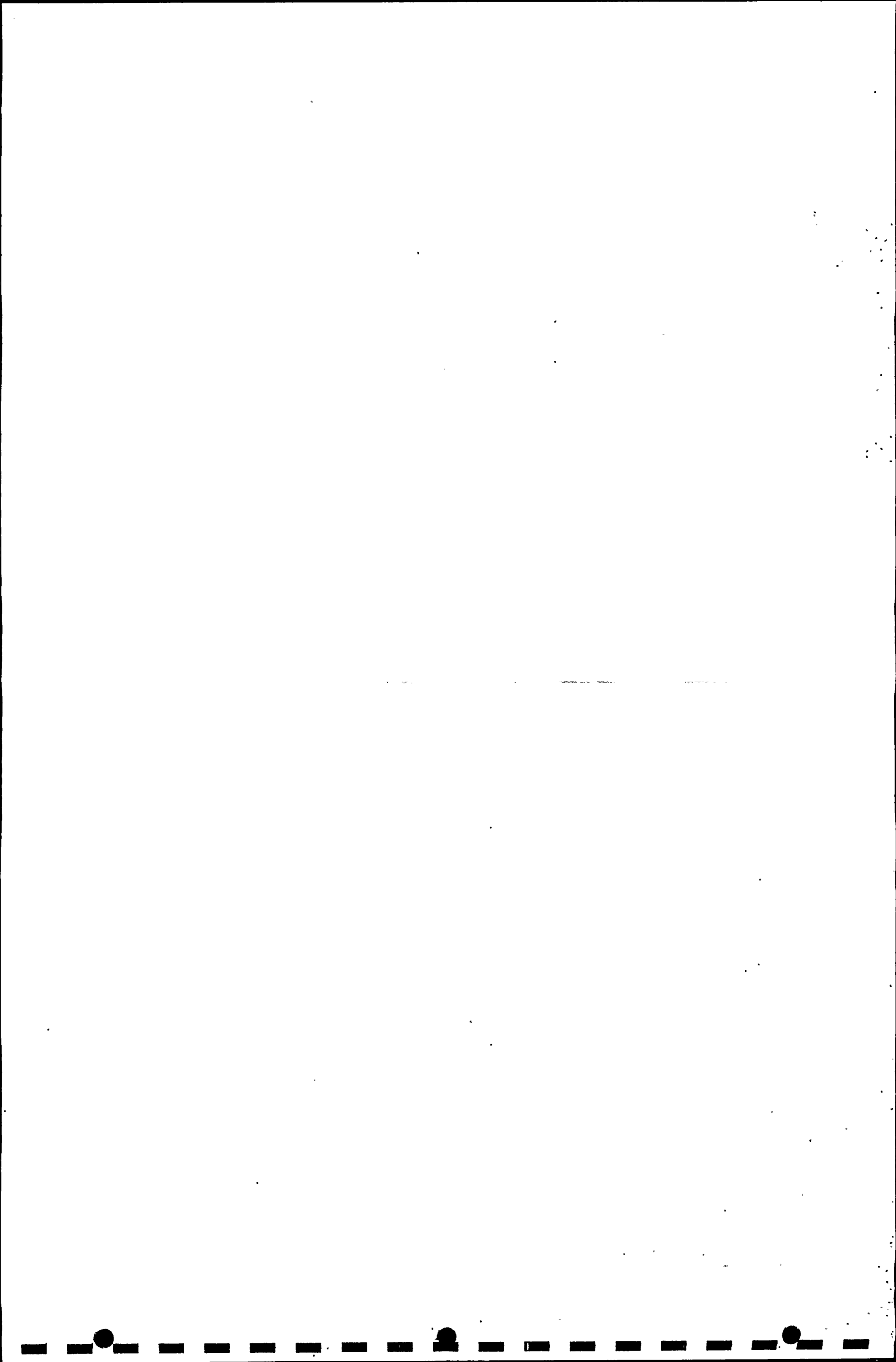
NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED J.E.M. APPROXIMATE 1:5000 FT
 DATE 8-22-58 INDEX 40-1-M-5
 SHEET NO. 35 OF 42 D.W.C. NO. C-9787-C

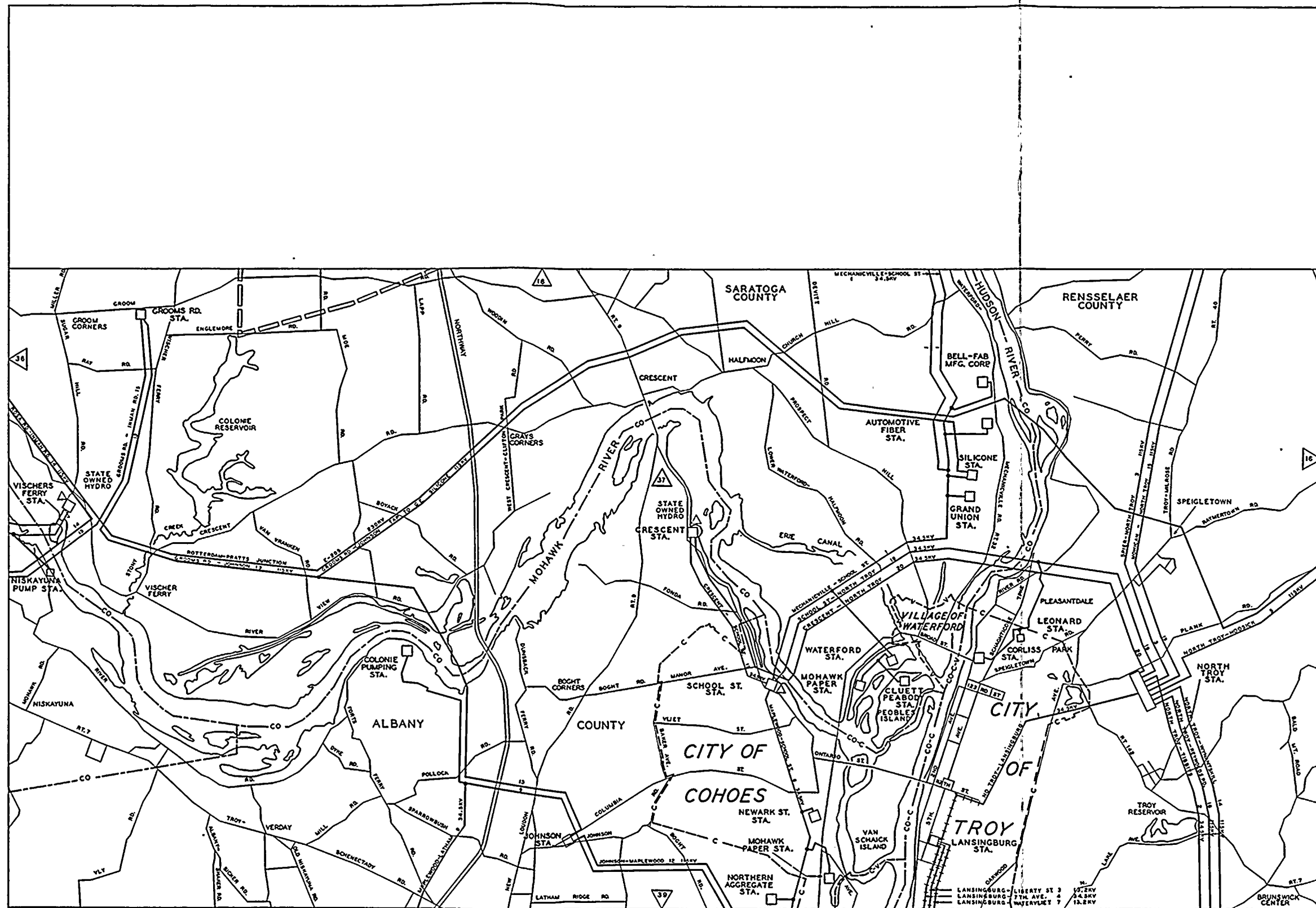




2000 0 2000 4000
SCALE IN FEET

| REVISIONS | REVISIONS | REVISIONS | NIAGARA MOHAWK POWER CORPORATION |
|-----------|-----------|-----------|-------------------------------------|
| | | | ELECTRIC TRANSMISSION SYSTEM |
| | | | CHECKED T W APPROX SCALE 1"=2000 FT |
| | | | DATE 1-26-59 INDIA 80-1-M-5 |
| | | | SHEET NO 38 OF 42 DWG. NO C-9787-C |

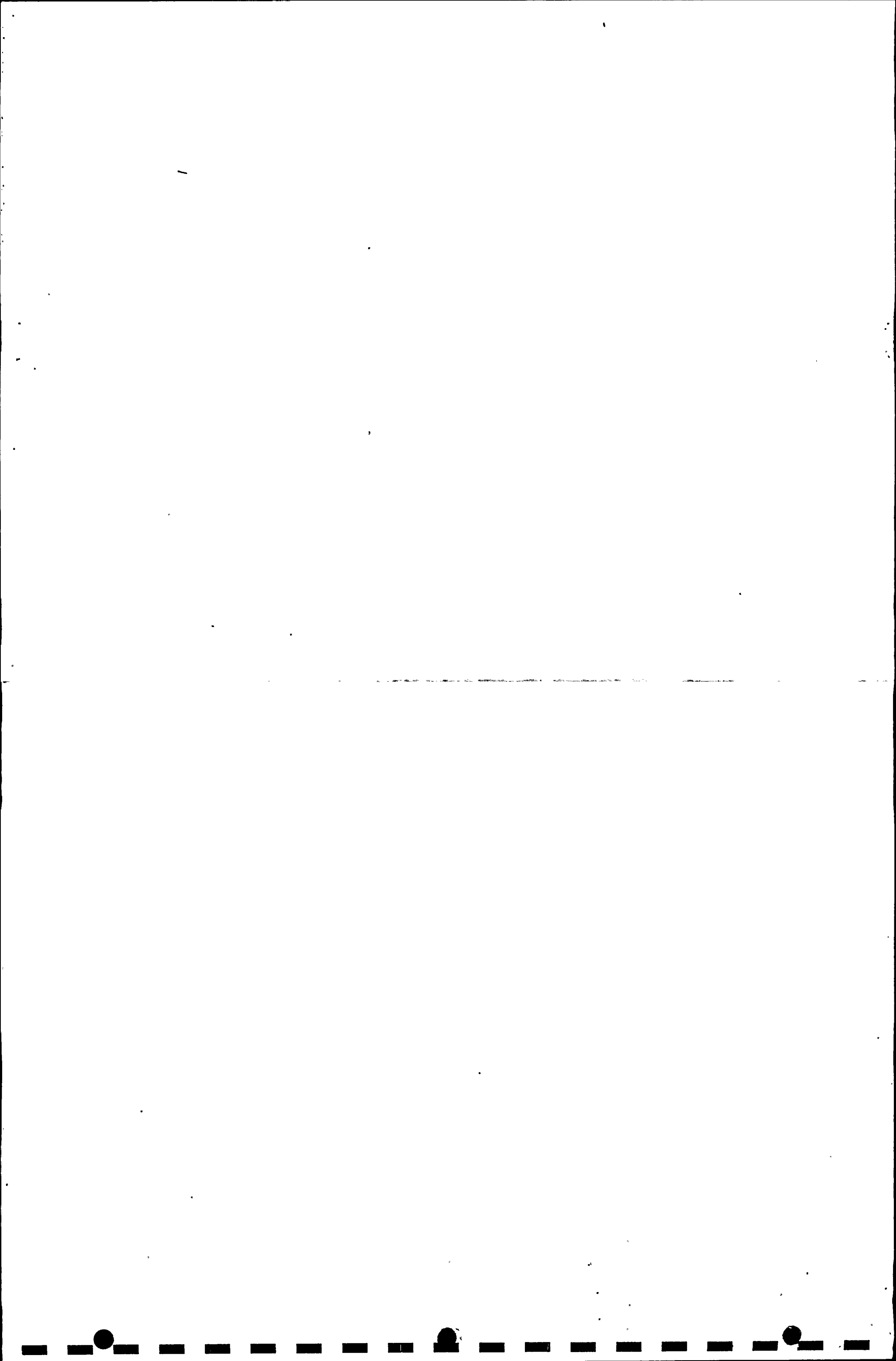


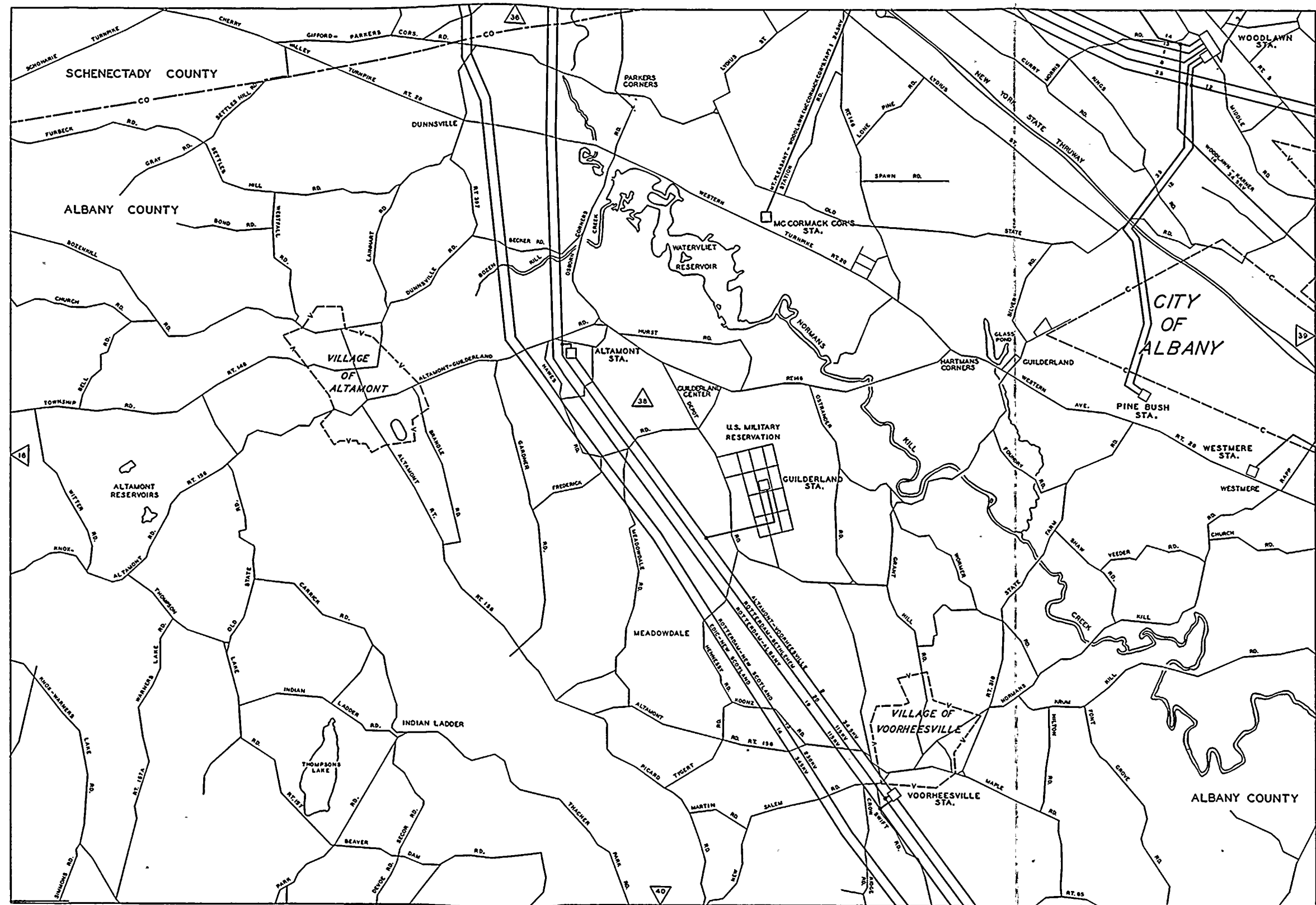


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SCALE IN FEET

| REVISIONS | | REVISIONS | | REVISIONS | | REVISIONS | |
|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| NO. | DATE | NO. | DATE | NO. | DATE | NO. | DATE |
| 1 | 1-1-77 | 1 | 1-1-77 | 1 | 1-1-77 | 1 | 1-1-77 |
| 2 | 1-1-77 | 2 | 1-1-77 | 2 | 1-1-77 | 2 | 1-1-77 |
| 3 | 1-1-77 | 3 | 1-1-77 | 3 | 1-1-77 | 3 | 1-1-77 |
| 4 | 1-1-77 | 4 | 1-1-77 | 4 | 1-1-77 | 4 | 1-1-77 |
| 5 | 1-1-77 | 5 | 1-1-77 | 5 | 1-1-77 | 5 | 1-1-77 |
| 6 | 1-1-77 | 6 | 1-1-77 | 6 | 1-1-77 | 6 | 1-1-77 |
| 7 | 1-1-77 | 7 | 1-1-77 | 7 | 1-1-77 | 7 | 1-1-77 |
| 8 | 1-1-77 | 8 | 1-1-77 | 8 | 1-1-77 | 8 | 1-1-77 |
| 9 | 1-1-77 | 9 | 1-1-77 | 9 | 1-1-77 | 9 | 1-1-77 |
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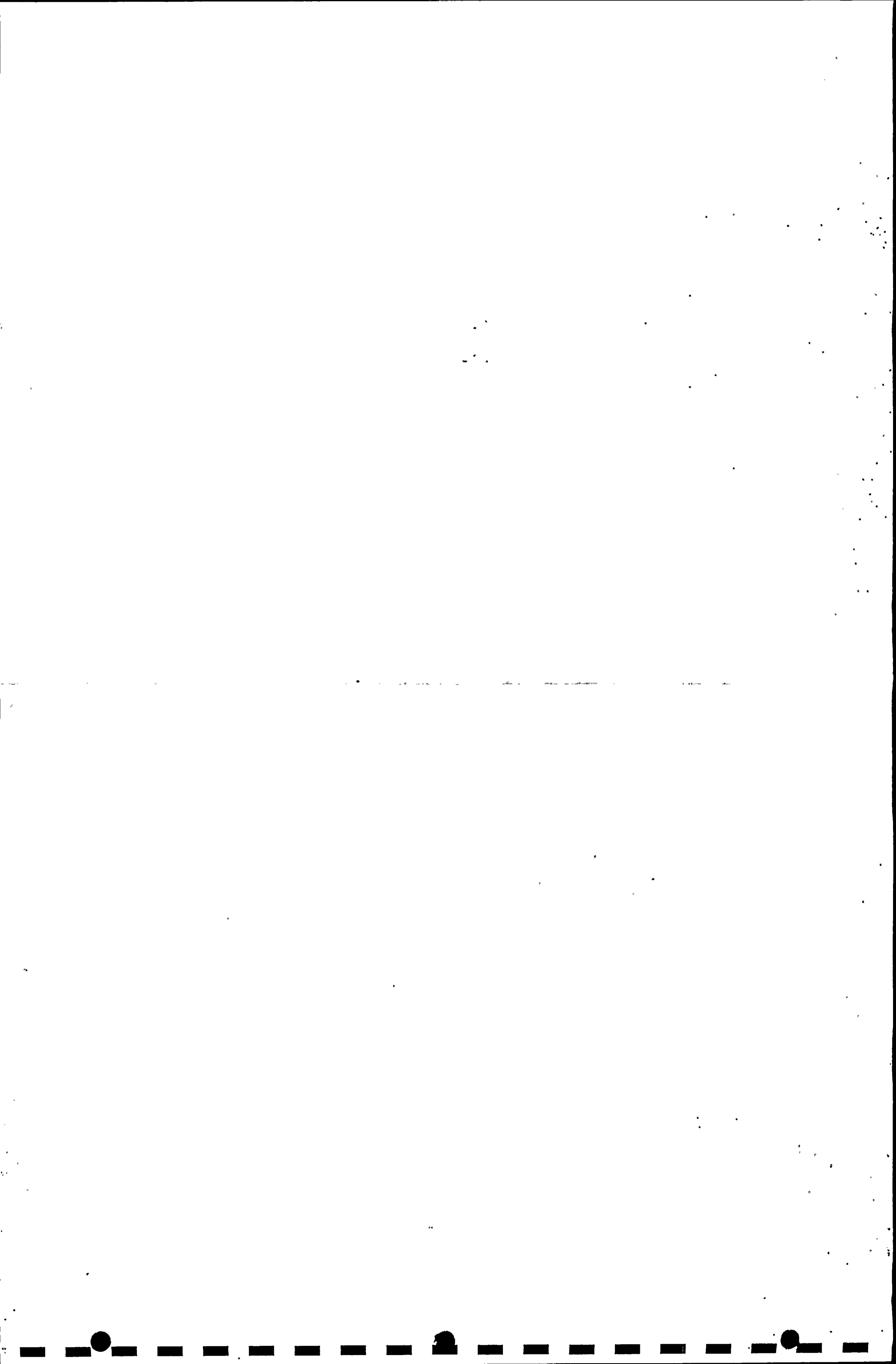
NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED TW APPROX SCALE 1"=2000 FT
 DATE 1-26-79 INDEX 60-EMUS
 SHEET NO. 37 OF 46 DWG. NO. C-9787-C

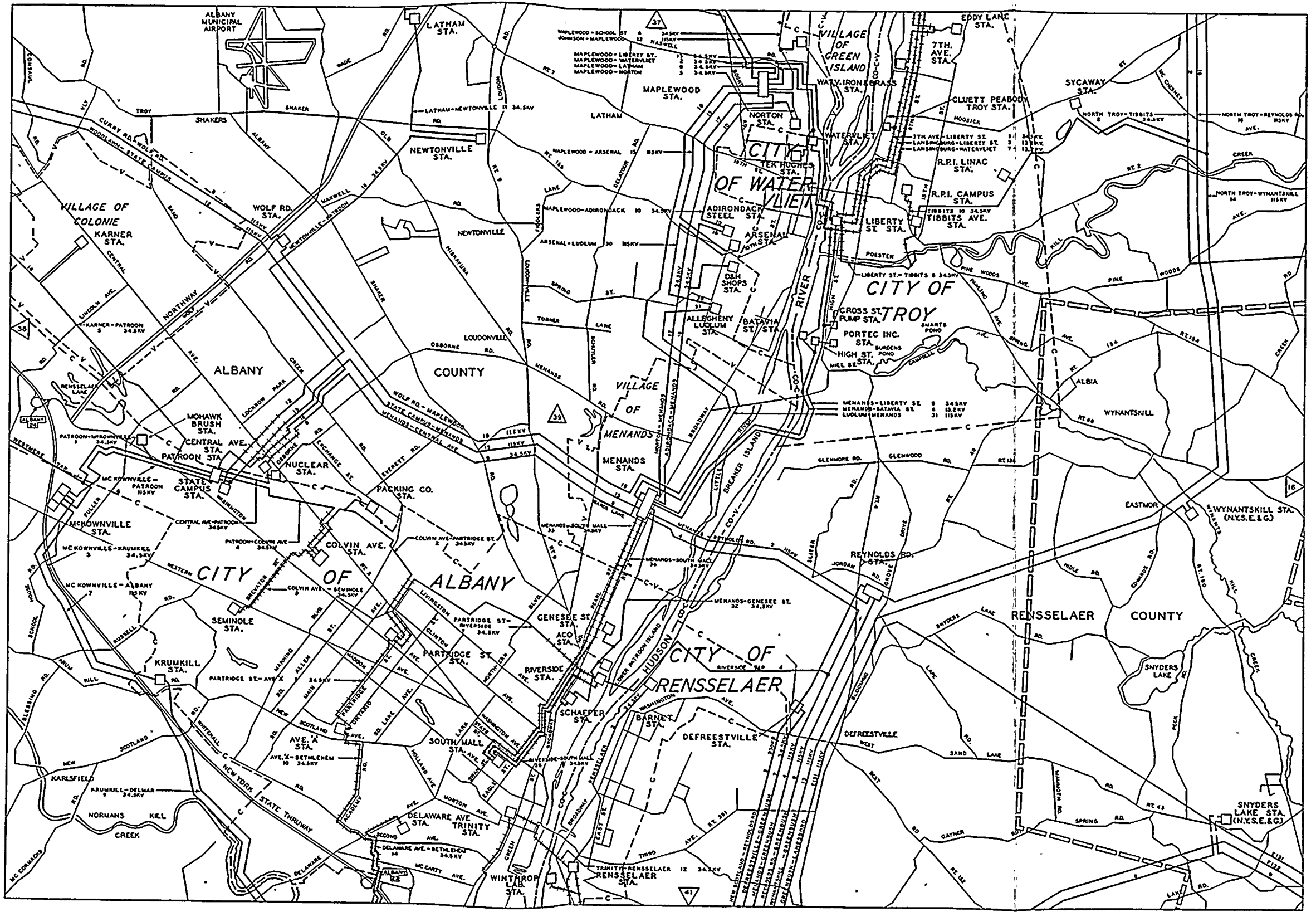




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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | | | | | | | | |

NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED BY: [Signature] APPROX SCALE: 1"=2000'
 DATE: 12-25-59 INDEX: 60-1-13
 SHEET NO. 32 OF 43 DWG. NO. C-9787-C

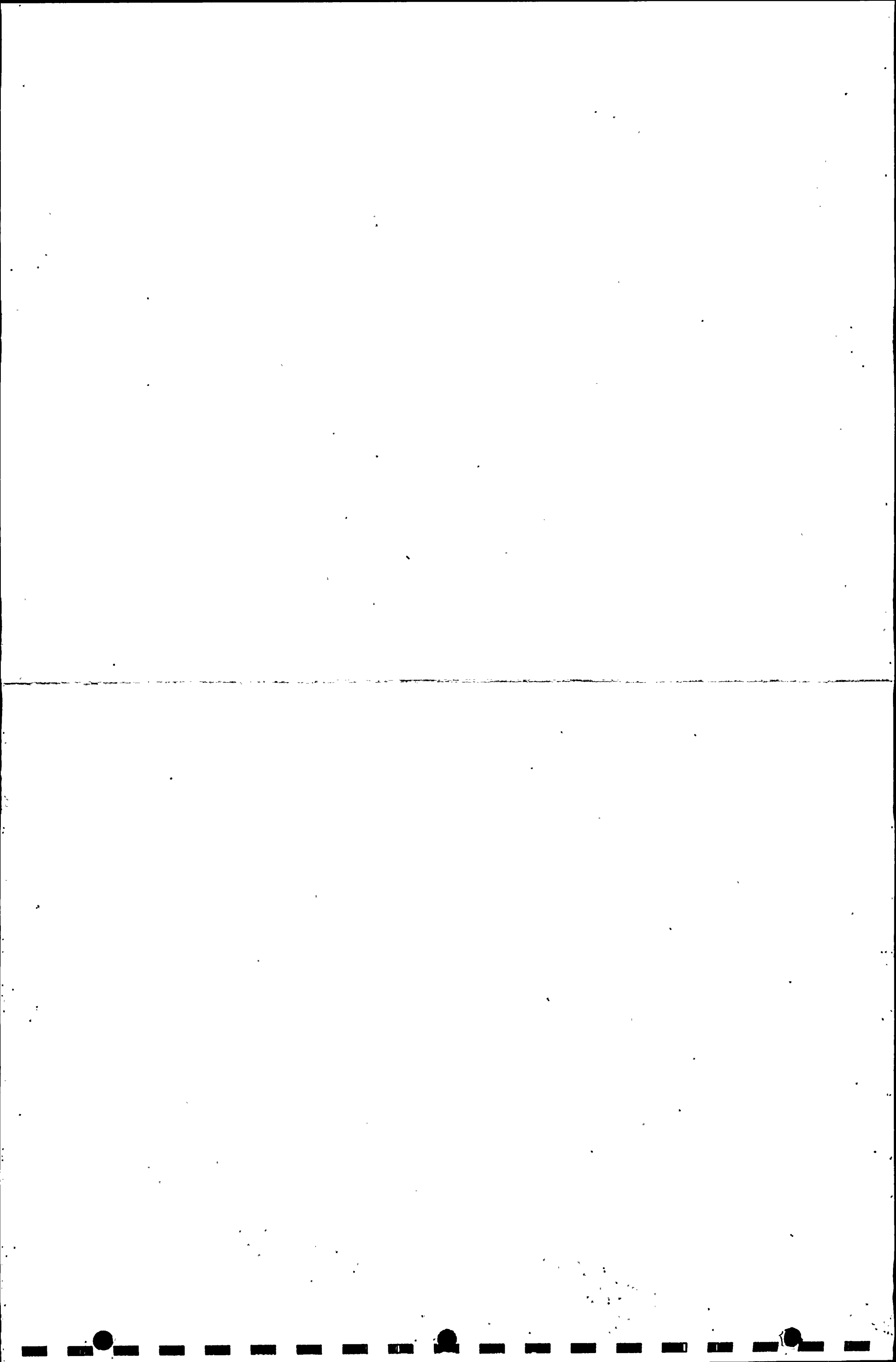


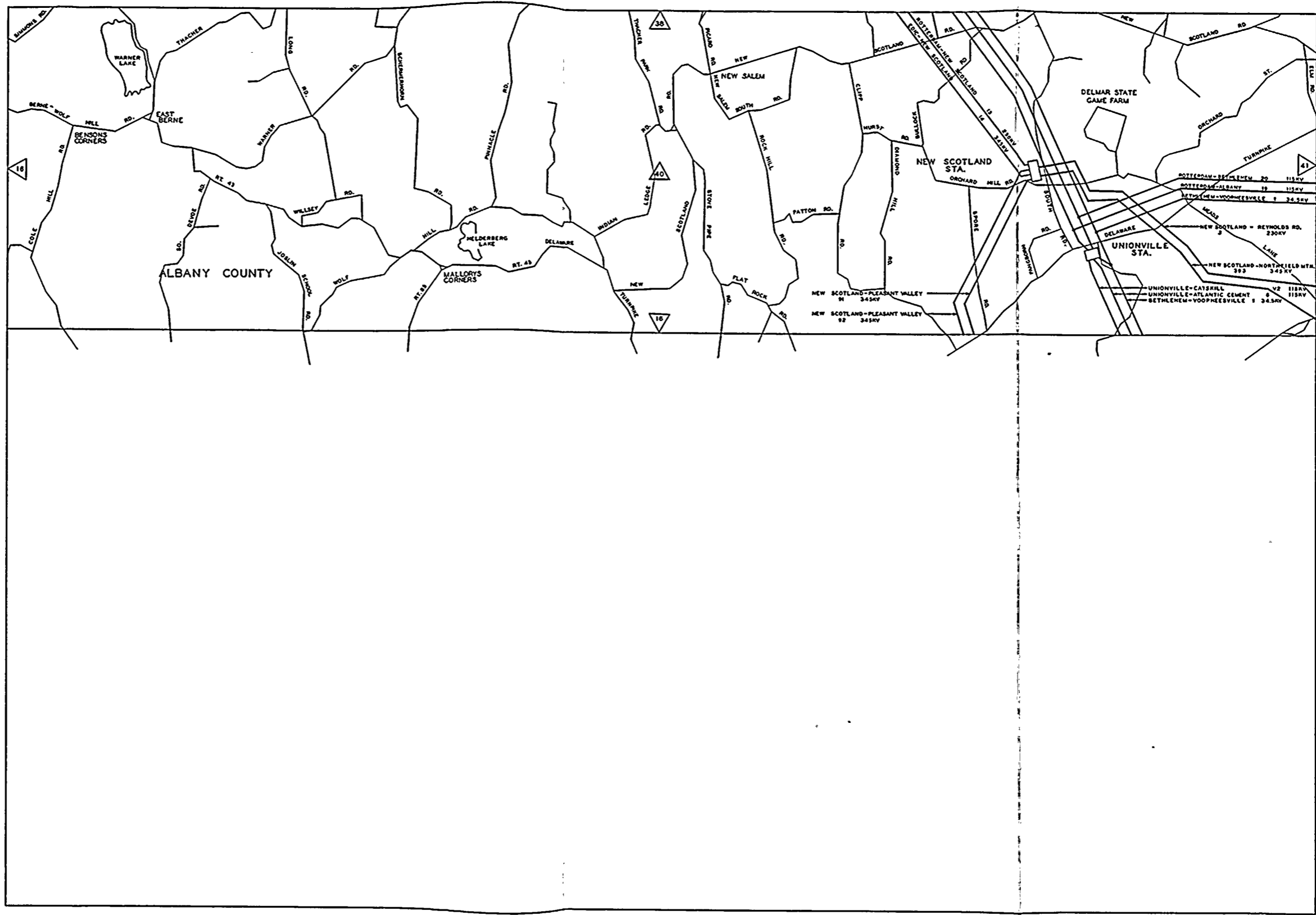


2000 0 2000 4000
SCALE IN FEET

| REVISIONS | REVISIONS | REVISIONS | REVISIONS | REVISIONS |
|-----------|-----------|-----------|-----------|-----------|
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| 11-16 | 11-16 | 11-16 | 11-16 | 11-16 |
| 11-16 | 11-16 | 11-16 | 11-16 | 11-16 |
| 11-16 | 11-16 | 11-16 | 11-16 | 11-16 |
| 11-16 | 11-16 | 11-16 | 11-16 | 11-16 |
| 11-16 | 11-16 | 11-16 | 11-16 | 11-16 |

NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED TW APPROX SCALE 1:2000 FT
 DATE 12-28 INDEX 60-112
 SHEET NO 39 OF 42 DWG NO C-9787-C

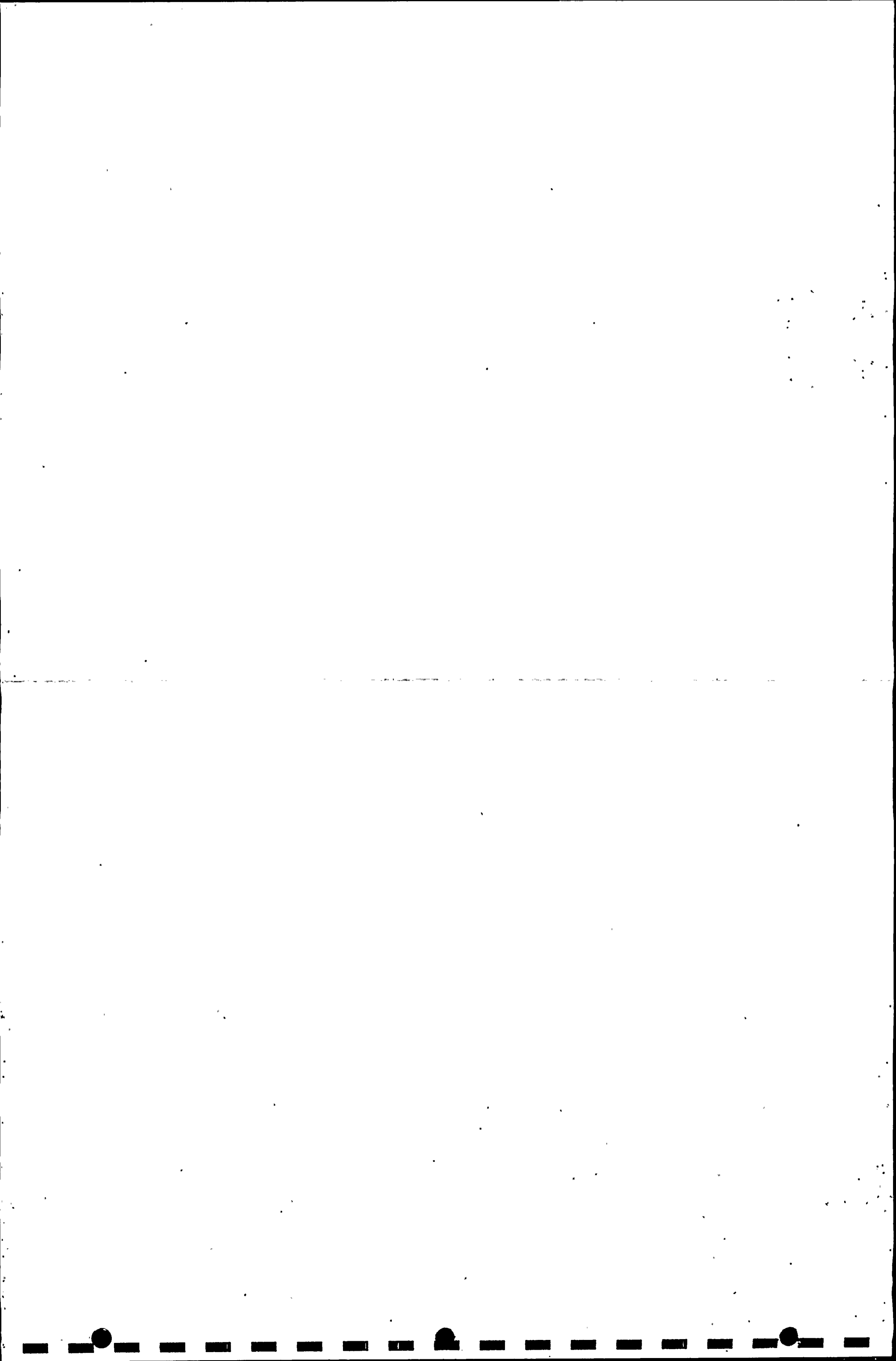


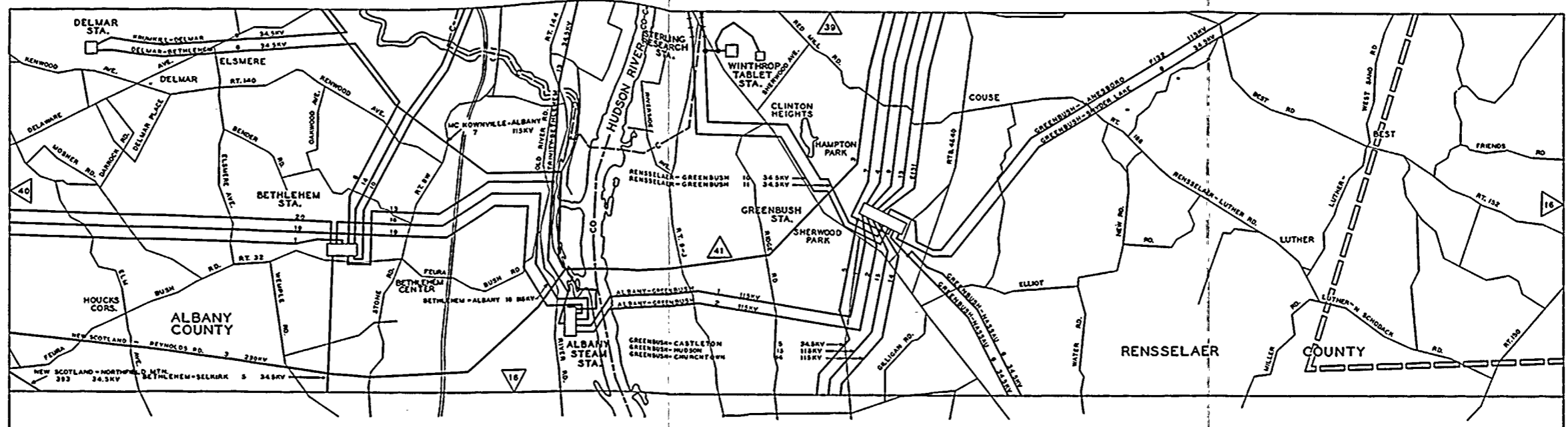


2000 0 2000 4000
SCALE IN FEET

| REVISIONS | | | REVISIONS | | | REVISIONS | | | REVISIONS | | |
|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|-----------|--------|--------|
| 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 |
| | | | | | | | | | | | |
| CHECKED | | | DATE | | | BY | | | INDEX | | |
| T.W. | | | 1-28-72 | | | T.W. | | | 80-FMS | | |
| DATE | | | INDEX | | | SHEET NO | | | DWG. NO. | | |
| 1-28-72 | | | 80-FMS | | | 40 OF 42 | | | C-9787-C | | |

NIAGARA MOHAWK POWER CORPORATION
ELECTRIC TRANSMISSION SYSTEM
APPROX SCALE 1"=2000 FT

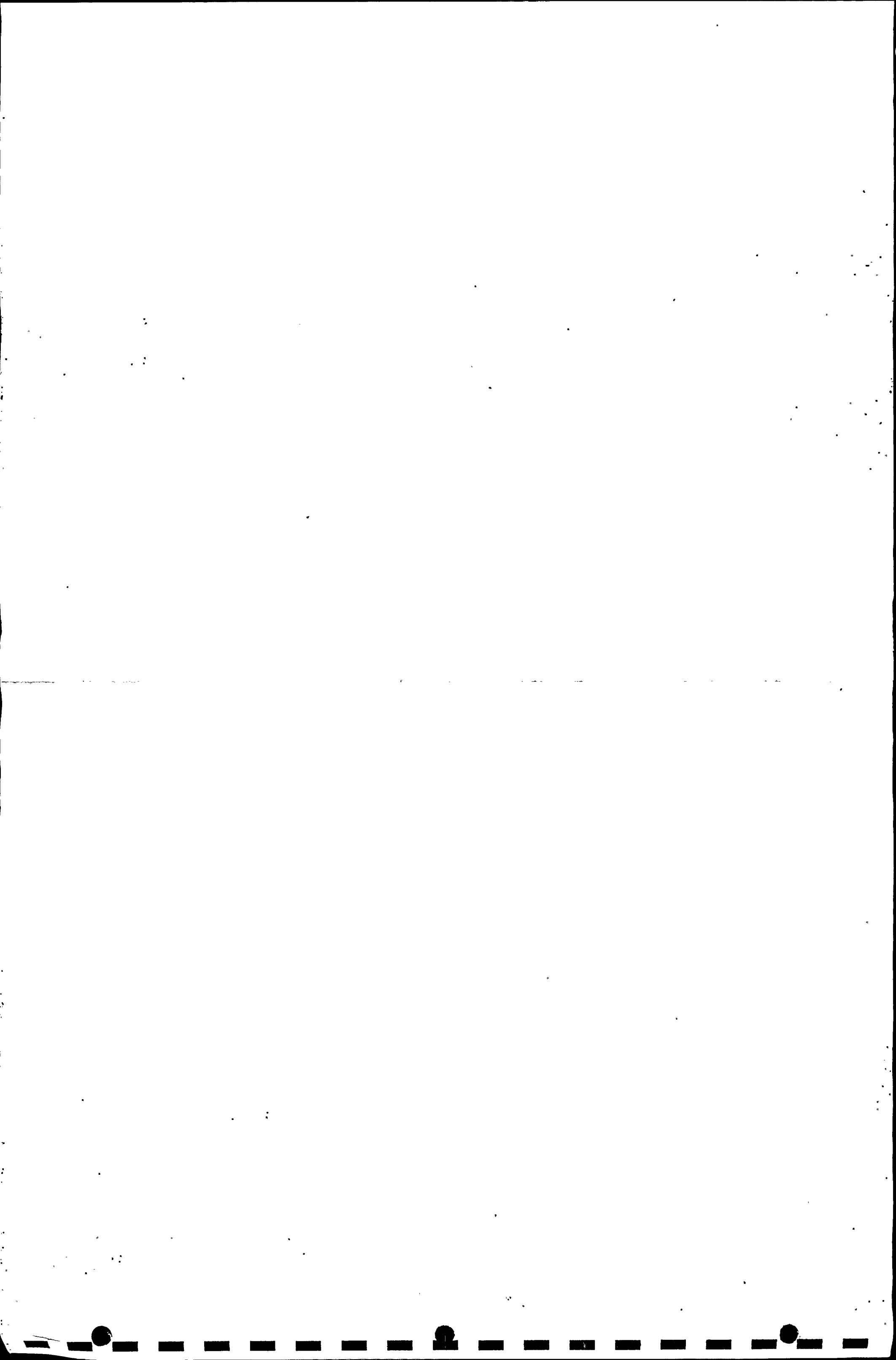


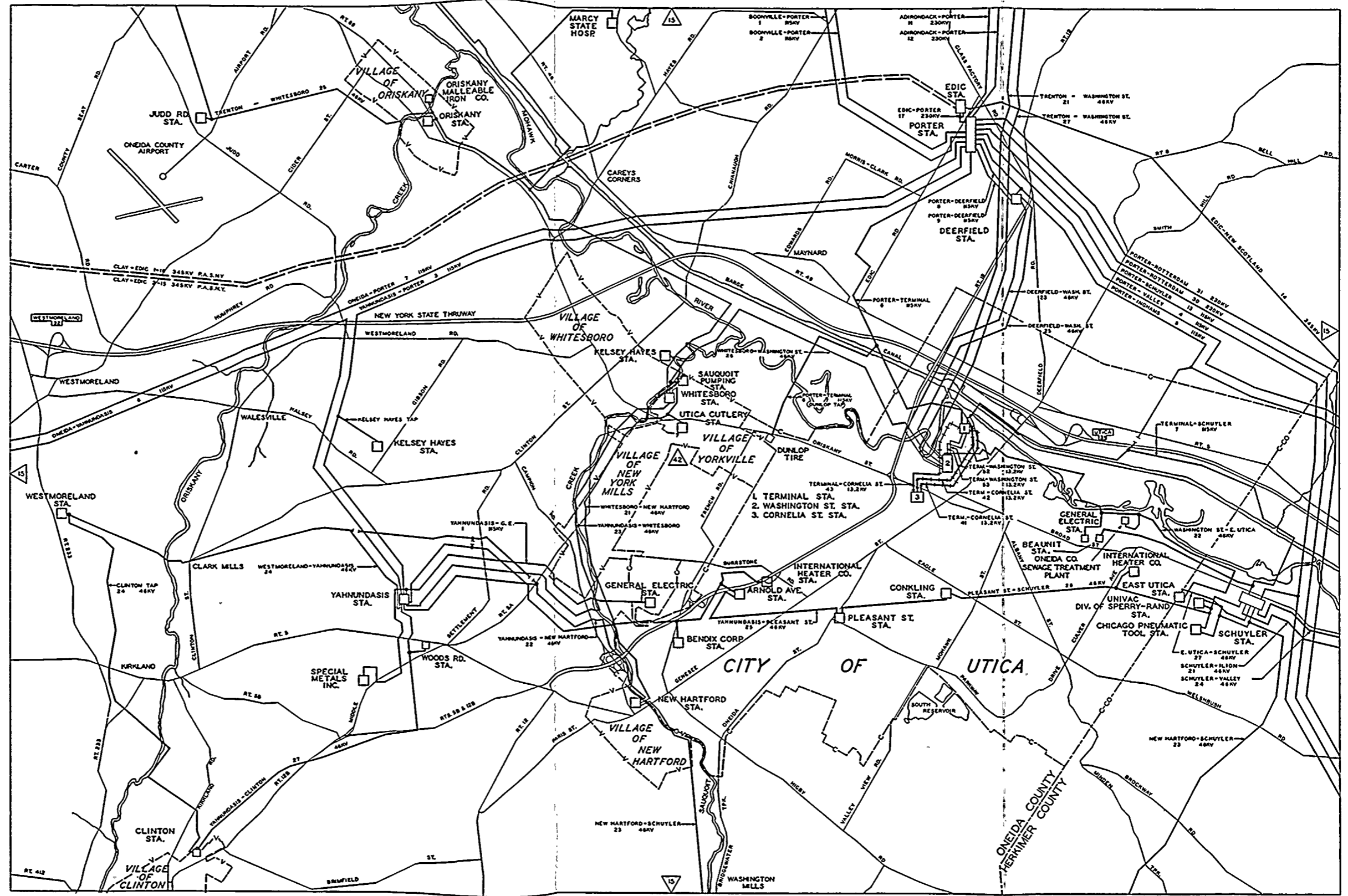


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SCALE IN FEET

| REVISIONS | | | | REVISIONS | | | | REVISIONS | | | | | |
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NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 CHECKED TW APPROX SCALE 1"=2000 FT
 DATE 12-28-59 INDEX 80-1-MS
 SHEET NO. 41 OF 42 DWG NO. C-9781-C

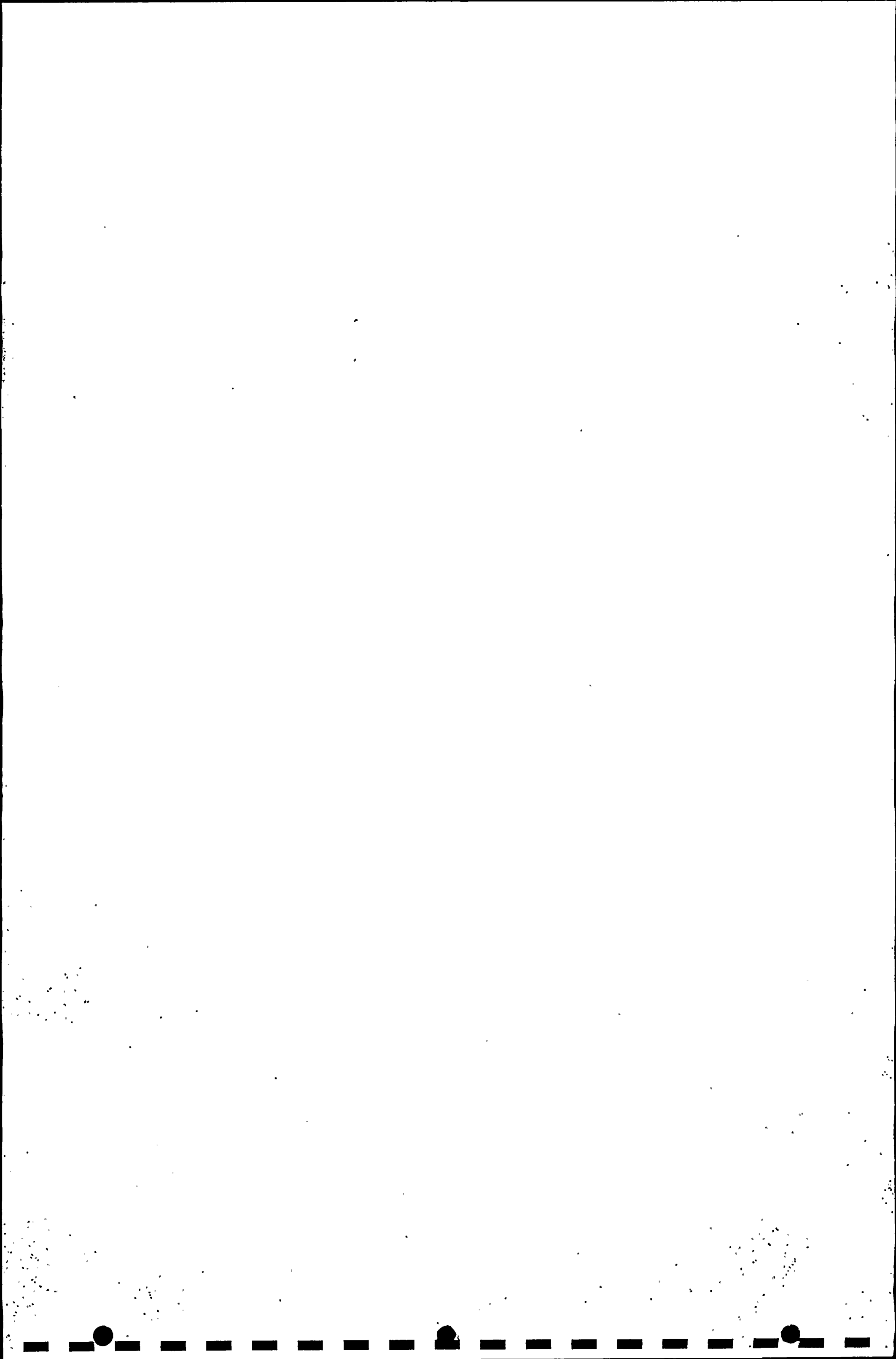




| REVISIONS | REVISIONS | REVISIONS | REVISIONS |
|-----------|-----------|-----------|-----------|
| 1-1-72 | 1-1-72 | 1-1-72 | 1-1-72 |
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2000 0 2000 4000
 SCALE IN FEET

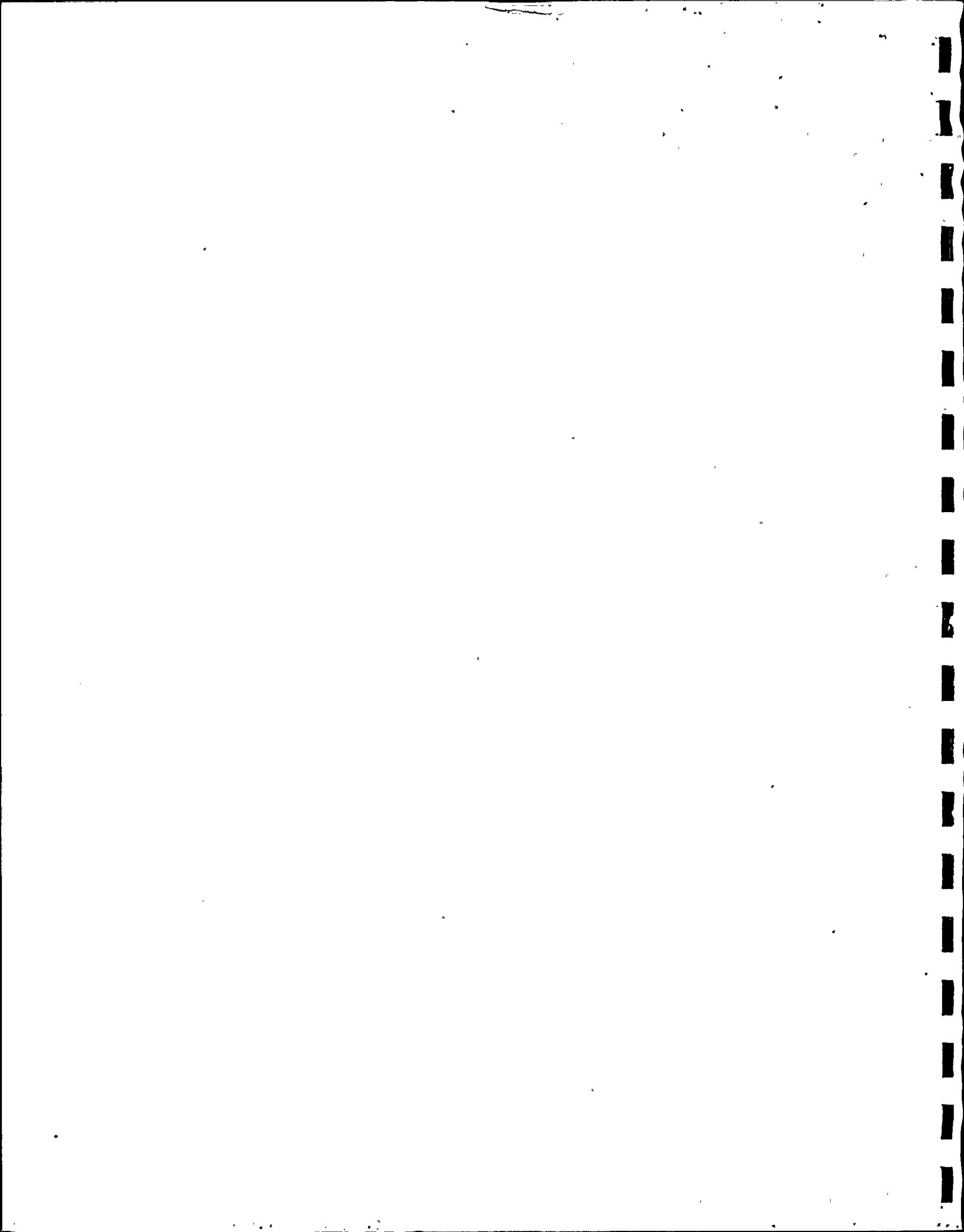
NIAGARA MOHAWK POWER CORPORATION
 ELECTRIC TRANSMISSION SYSTEM
 DATE 2-9-59 APPROX. SCALE 1"=2000 FT
 1-1-72 1-1-72 1-1-72 1-1-72
 SHEET NO. 42 OF 42 DWG. NO. C-9787-C



ATTACHMENT III

SERVICE CLASSIFICATIONS NO. 2, 3, 4 & 5

P.S.C. NO. 207 ELECTRICITY



Superseding Fourth Revised Leaf No. 80
 Third " Leaf No. 80

SERVICE CLASSIFICATION NO. 2

SMALL GENERAL SERVICE

APPLICABLE TO USE OF SERVICE FOR:

All purposes required by customer on the premises for which no other service classification is specifically provided and where such entire requirements are delivered at one point and singly metered at the delivery voltage (except as provided in Special Provision C). Available throughout the Company's service area from existing circuits of adequate capacity and appropriate character. Written application may be required upon Company's prescribed forms.

CHARACTER OF SERVICE:

Continuous. Single or three phase alternating current, approximately 60 cycles, at one standard secondary voltage ranging from 120 to 480 volts or at a higher standard voltage, if available and requested by customer. Company will indicate the voltage and type of service available and appropriate for the customer's requirements.

THIRTY DAY RATE:

| Gross | Net | |
|--------|--------|---|
| \$1.85 | \$1.70 | for the first 15 kilowatthours or less |
| 4.7¢ | 4.3¢ | per kwh for the next 160 kilowatthours |
| 3.27¢ | 3.18¢ | per kwh for the next 1375 kilowatthours and |
| | | for an additional 150 hours use of Demand |
| | | above the first seven kilowatts |
| 1.92¢ | 1.87¢ | per kwh for all additional energy |

Plus Reactive Demand Charge

\$0.28 gross and net for each kilovolt-ampere of lagging Reactive Demand

Minimum Thirty Day Charge

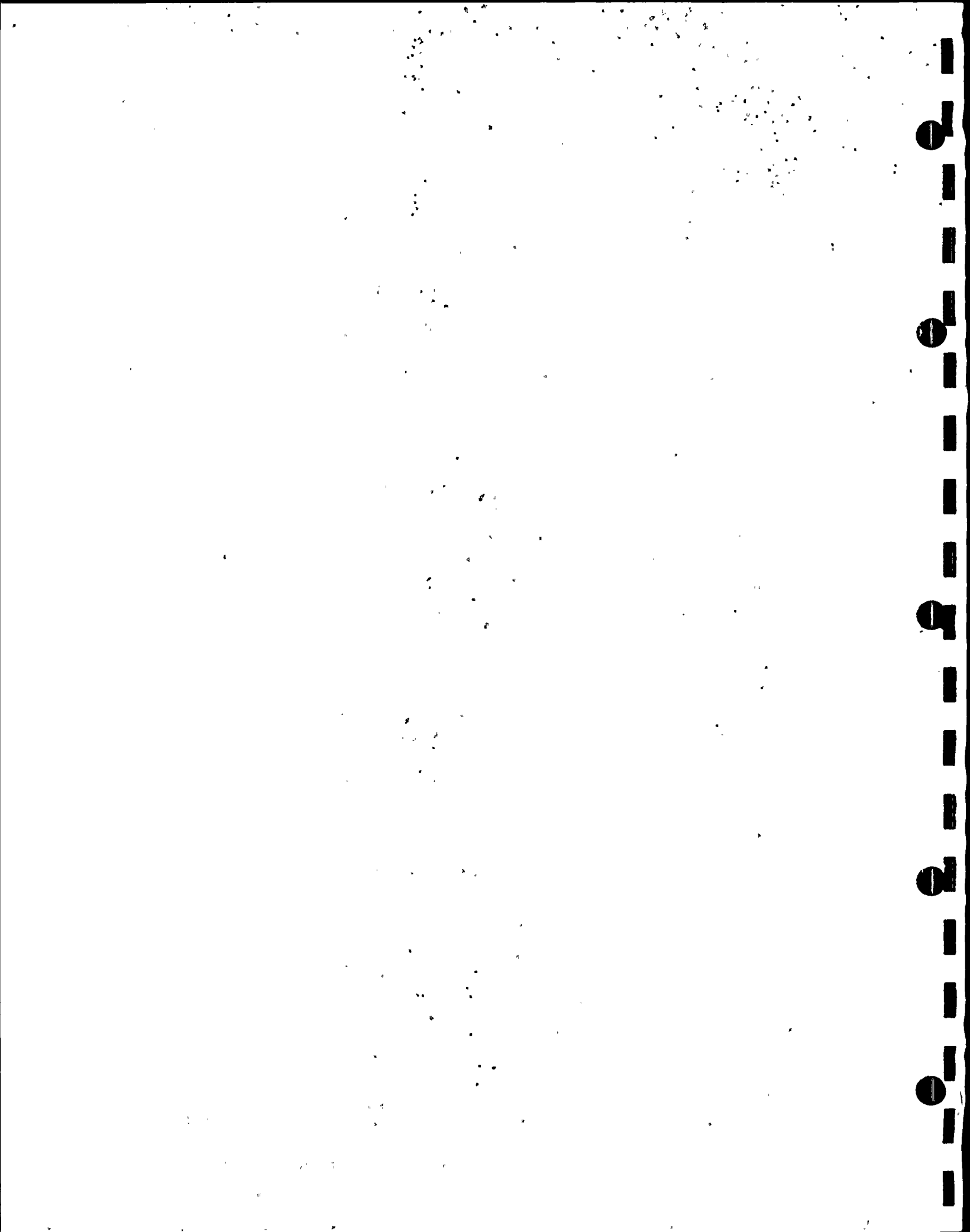
\$1.85 gross, \$1.70 net, and in addition, \$1.64 gross, \$1.60 net per kilowatt of Demand, when metered, and the Reactive Demand Charge, when metered, and is exclusive of Cost of Fuel Adjustment.

Effective January 10, 1972 under authority of Public Service Commission, State of New York, Special Permission Order No. EL-1455, dated January 6, 1972.

Date of issue December 29, 1971

Date effective January 28, 1972

Issued by J. A. O'Neill, President, Syracuse, N. Y.



SERVICE CLASSIFICATION NO. 2 (Continued)

COST OF FUEL ADJUSTMENT:

The energy charges set forth herein shall be increased or decreased whenever the average cost of fuel in Company's operating fossil fuel electric generating stations increases or decreases from a base cost of 29.75 cents per million btu, as described on Leaves Nos. 55, 56 and 57.

DETERMINATION OF DEMAND:

A. A demand meter shall be installed whenever the energy consumption of Customer has exceeded 2000 kilowatthours per month for three consecutive months, or in case of bi-monthly billing 4000 kwh for each of two consecutive bi-monthly periods, or whenever the connected load of Customer indicates that the energy consumption will exceed 2000 kilowatt-hours per month. A demand meter, once installed, shall not be removed until after the energy consumption has been less than 2000 kwh per month for twelve consecutive months, which requirement may not be avoided by temporarily terminating service.

B. The Demand shall be the highest average kilowatts measured in a fifteen minute interval during the billing period, but not less than one kilowatt nor less than the Demand contracted for.

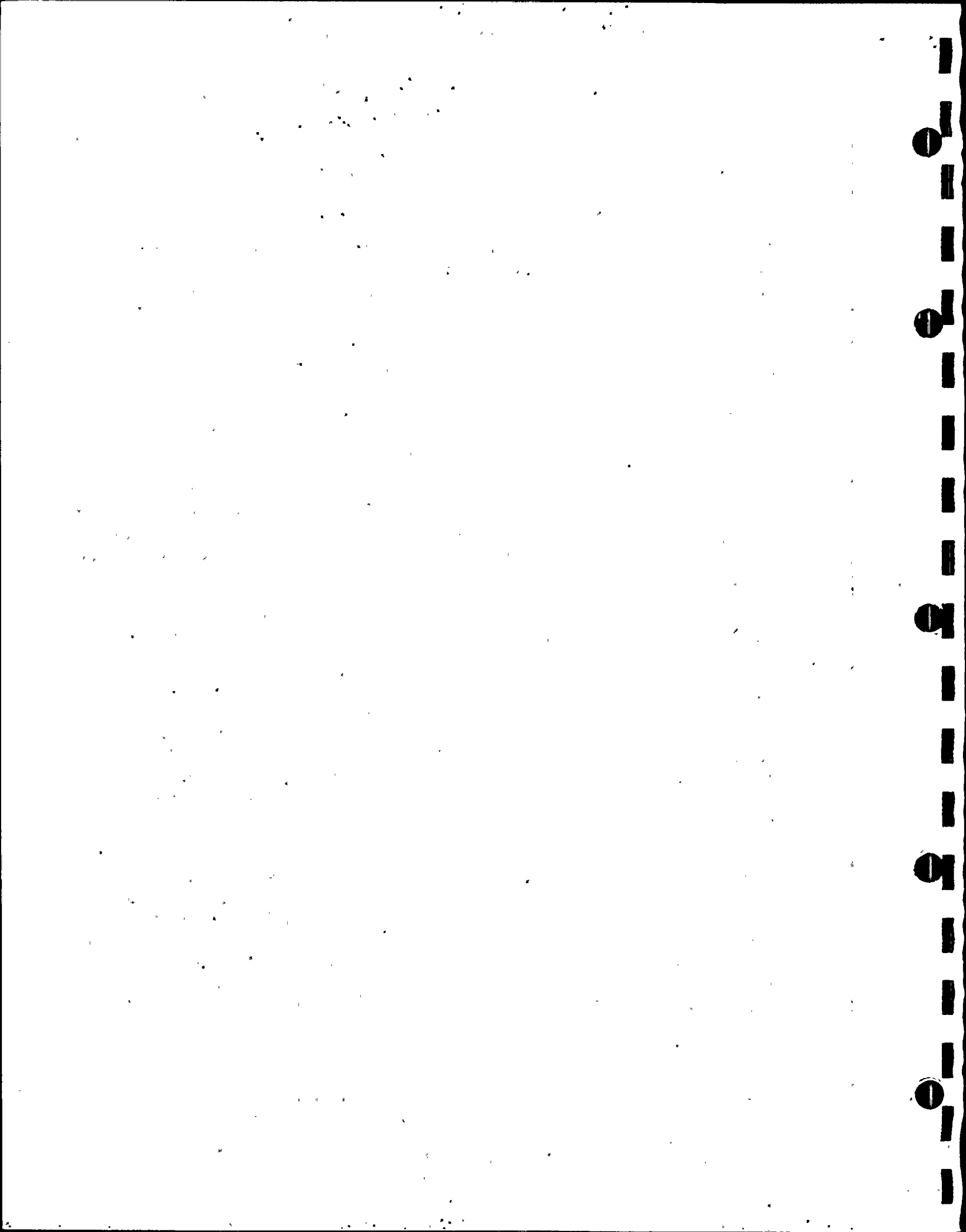
C. On bi-monthly meter reading routes where a Demand Meter is installed and use of service is not seasonal in character, Company may elect to read such demand meter bi-monthly. If the demand meter is read bi-monthly, the bi-monthly billing demand shall be 0.95 of the highest kilowatt demand so measured during the bi-monthly period for which charge is made, but not less than one kilowatt nor less than the Demand contracted for.

D. The Reactive Demand shall be the highest average kilovolt-amperes of lagging reactive demand measured in a fifteen minute interval during the month less one-third of the highest kilowatt demand measured during the month. The reactive demand shall be determined when Customer's kilowatt demand has exceeded 150 kilowatts for three consecutive months or when the connected load of Customer indicates that the kilowatt demand may normally exceed 150 kilowatts. Reactive Demand determination shall continue until the kilowatt demand has been less than 150 kilowatts for twelve consecutive months.

Date of issue January 15, 1971

Date effective March 1, 1971

Issued by J. A. O'Neill, President, Syracuse, N. Y.



Superseding

First Revised Leaf No. 82

Original

Leaf No. 82

SERVICE CLASSIFICATION NO. 2 (Continued)

TERMS OF PAYMENT:

The difference between gross amount and net amount represents a discount for prompt payment. Net amount will be accepted on or before the date specified on the bill; otherwise gross amount becomes due and payable.

TERM:

One month and continuously from month to month thereafter until permanently terminated on three days' notice to Company, or one year and thereafter until terminated as provided in the written application for service.

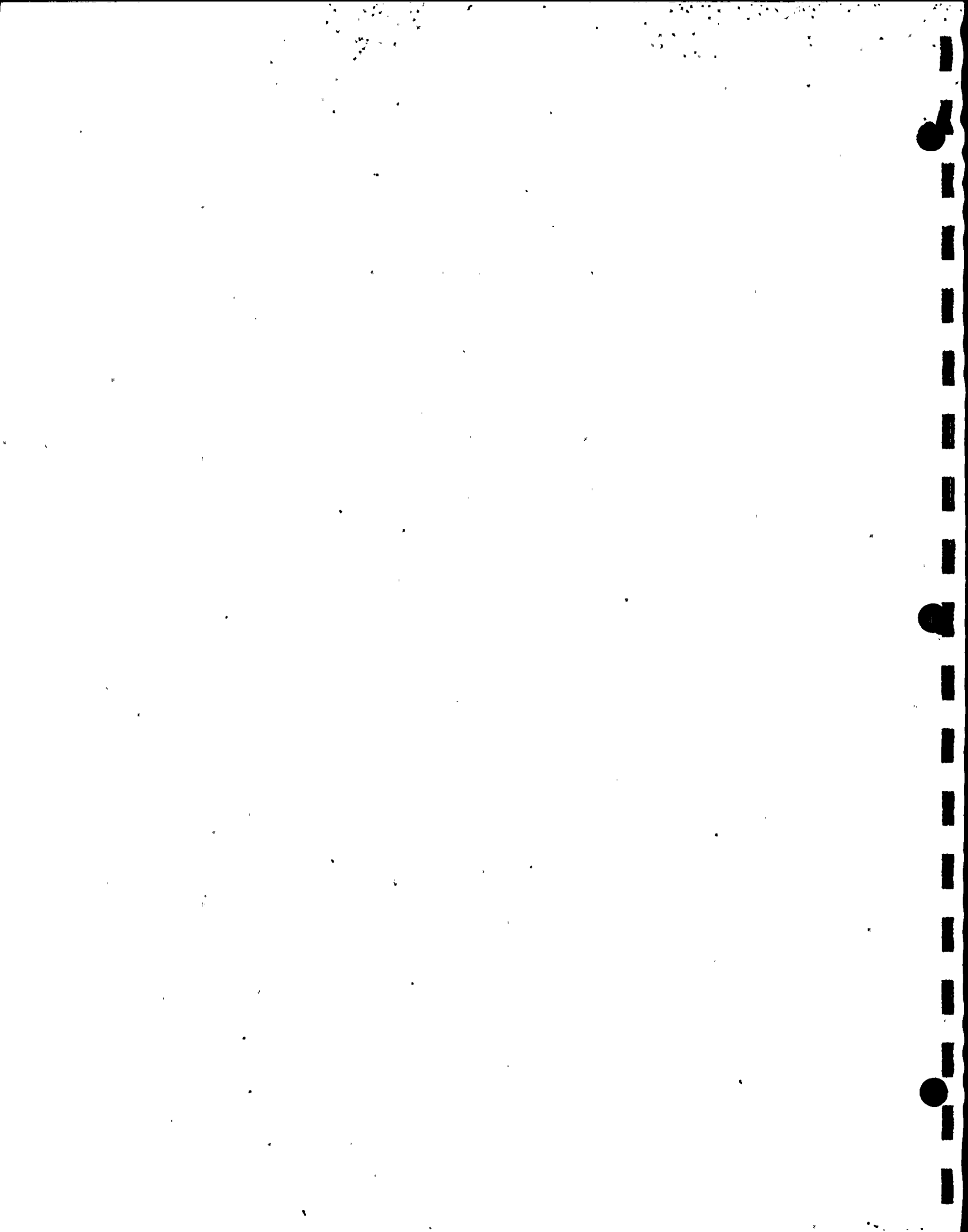
SPECIAL PROVISIONS:

- A. Where total load and operating schedule is pre-determined as for signs and billboards, the kilowatthour use may be computed and not measured.
- B. Standby service at 60 cycles may be obtained under this Service Classification upon written application and agreement as to minimum monthly charge based upon Contract Demand as provided in Rule 12 of General Information.
- C. The meter readings of one single phase and one three phase three wire supply for service to a single Customer at a single location may be combined.
- D. Whenever taking of service is measured at secondary voltage metered energy will be billed without adjustment, and whenever taking of service is measured at primary voltage, metered energy will be decreased by three percent. Whenever Company does not have to supply and maintain a transformer or transformers for such service, there shall be a discount of ten cents per kilowatt per month for each kilowatt of measured demand, applicable to the energy charge or the minimum charge, whichever applies.
- E. This Service Classification shall be applicable to 25 cycle service, taken separately from 60 cycle service, for Customers taking 25 cycle service under Schedule P.S.C. No. 309 as of the effective date hereof. Such service shall continue in accordance with the provisions of General Information as shown as Leaves Nos. 57 through 71.

Date of issue December 22, 1969

Date effective January 23, 1970

Issued by J. A. O'Neill, President, Syracuse, N. Y.



Superseding

Fourth Revised Leaf No. 83
Third " Leaf No. 83

SERVICE CLASSIFICATION NO. 2 (continued)

SPECIAL PROVISIONS: (continued)

F. Service existing as of the effective date hereof and heretofore taken pursuant to Special Provision I of Service Classification No. 2, P.S.C. No. 308 or Special Provision D of Service Classification No. 1, P.S.C. No. 309 may continue under this Service Classification No. 2 without a demand meter notwithstanding contrary provisions set forth under "Determination of Demand". The minimum monthly charge for this service shall be \$7.00 net and gross.

G. Whenever any customer's taking of 25 cycle service hereunder exceeds the limitations set forth on Leaves Nos. 59 through 71 inclusive of General Information by a tolerance of more than 50 Kw or 5% of the stated limitation amount, whichever is the lesser amount, there shall be an additional charge for such excess taking, in addition to the charges set forth in this service classification under RATE, as follows:

- (1) When the stated limitation for taking of 25 cycle service is expressed in kilowatts, the additional charge for excess taking shall be \$2.50 per kilowatt per month.
- (2) When the stated limitation for taking of 25 cycle service is expressed in kilowatthours, the additional charge for excess taking shall be 1.2¢ per kilowatthour.

Effective January 10, 1972 under authority of Public Service Commission, State of New York, Special Permission Order No. EL-1455, dated January 6, 1972.

Date of issue December 29, 1971

Date effective January 28, 1972

Issued by J. A. O'Neill, President, Syracuse, N. Y.



Superseding

Third Revised Leaf No. 84

Second " Leaf No. 84

SERVICE CLASSIFICATION NO. 3

LARGE GENERAL SERVICE

APPLICABLE TO USE OF SERVICE FOR:

All purposes required by customer on the premises for which no other service classification is specifically provided and where such entire requirements are delivered at one point and singly metered with respect to the delivery voltage. Available throughout the Company's service area from existing circuits of adequate capacity and appropriate character. Written application upon Company's prescribed forms is required and riders, whenever applicable, shall be attached.

CHARACTER OF SERVICE:

Continuous. Single or three phase alternating current, approximately 60 cycles, at one standard secondary voltage, or a primary distribution voltage or a transmission voltage. Company will indicate the voltage and type of service available and appropriate for the customer's requirements.

THIRTY DAY NET RATE:

Demand Charge:

\$59.00 for the first 25 or less kilowatts of Demand
2.05 for each of the next 175 kilowatts of Demand
1.69 for each additional kilowatt of Demand

Plus Reactive Demand Charge:

\$0.28 for each kilovolt-ampere of lagging Reactive Demand

Plus Energy Charge:

1.87¢ per kilowatthour for the first 14,000 kilowatthours
0.69¢ per kilowatthour for the remainder, if any, of the first 350
kilowatthours per kilowatt of Demand
0.46¢ per kilowatthour for all additional energy

Effective January 10, 1972 under authority of Public
Service Commission, State of New York, Special
Permission Order No. EL-1455, dated January 6, 1972.

Date of issue December 29, 1971

Date effective January 28, 1972

Issued by J. A. O'Neill, President, Syracuse, N. Y.



SERVICE CLASSIFICATION NO. 3 (Continued)

THIRTY DAY NET MINIMUM CHARGE:

The minimum monthly charge is the charge computed under RATE, the Demand being determined in accordance with the provisions included under Determination of Demand.

COST OF FUEL ADJUSTMENT:

The energy charges set forth herein shall be increased or decreased whenever the average cost of fuel in Company's operating fossil fuel electric generating stations increases or decreases from a base cost of 29.75 cents per million btu, as described on Leaves Nos. 55, 56 and 57.

DETERMINATION OF DEMAND:

A. The Demand shall be the highest average kilowatts measured in a fifteen minute interval during the month, but not less than three-quarters of the highest such Demand occurring during any of the preceding eleven months, nor less than the Demand contracted for.

B. The Reactive Demand shall be the highest average kilovolt-amperes of lagging reactive demand measured in a fifteen minute interval during the month less one-third of the highest kilowatt demand measured during the month. The Reactive Demand shall be determined when Customer's kilowatt demand has exceeded 150 kilowatts for three consecutive months or when the connected load of Customer indicates that the kilowatt demand may normally exceed 150 kilowatts. Reactive Demand determination shall continue until the kilowatt demand has been less than 150 kilowatts for twelve consecutive months.

HIGH VOLTAGE SERVICE:

When Customer provides all equipment required to take service at a primary distribution voltage or transmission voltage designated by Company, the demand charge stated under RATE shall be modified as follows:

- (a) between 2200 and 15,000 volts, the stated demand charge less 20¢ per KW of demand billed
- (b) between 22,000 and 50,000 volts, the stated demand charge less 33¢ per KW of demand billed
- (c) above 60,000 volts, the stated demand charge less 40¢ per KW of demand billed

Date of issue January 15, 1971

Date effective March 1, 1971

Issued by J. A. O'Neill, President, Syracuse, N. Y.



SERVICE CLASSIFICATION NO. 3 (Continued)

TERMS OF PAYMENT:

Bills are due when rendered and Customer is in default unless payment is made within ten days thereafter.

TERM:

One year from commencement of service under this Service Classification or under a Service Classification superseded hereby, and continuously thereafter until permanently cancelled by Customer upon ninety days' prior written notice to Company. Cancellation by Customer followed by resumption of service at the same location within one year shall not modify in any way the Determination of Demand as above provided.

When the amount of investment by Company or other conditions of the service are such as to warrant, Company may, with the permission of Public Service Commission, require that the initial term be longer than one year and for successive one year terms thereafter until cancelled effective at the expiration of the initial term, or of any succeeding one year term, by Customer giving ninety days' prior written notice to Company.

SPECIAL PROVISIONS:

A. Standby service at 60 cycles may be obtained under this Service Classification upon written application and agreement as to minimum monthly charge based on Contract Demand as provided in Rule 12 of General Information.

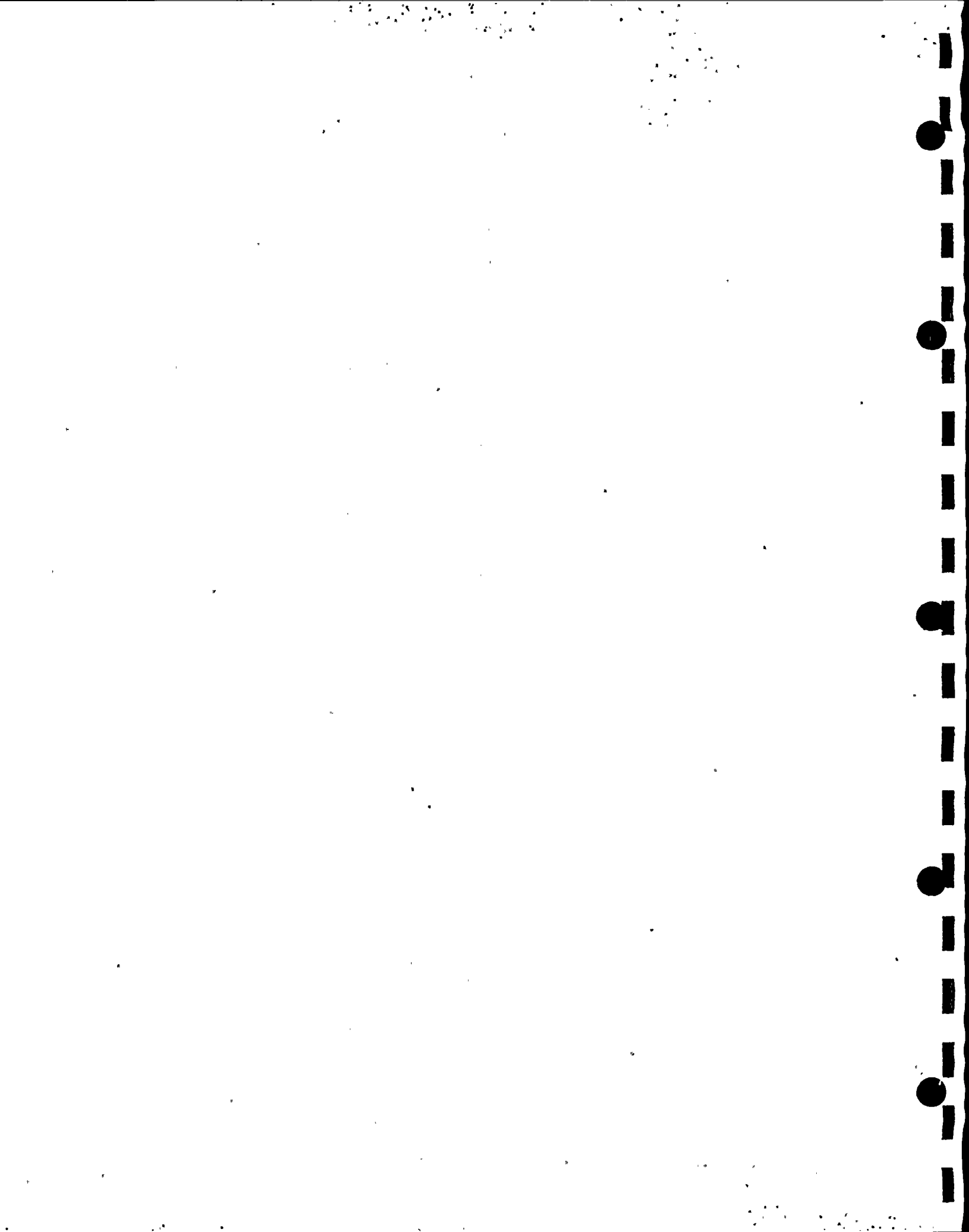
B. When Company, pursuant to Rule 25.7.3, has provided total service at Customer's single location through more than one feeder, the quantities derived from all necessary meters will be combined for billing purposes in accordance with the provisions of such Rule upon the execution of the Rider for Combined Metering and Billing, attached to Form C.

C. When service is metered at a voltage either higher or lower than the voltage of delivery, metered quantities will be adjusted for billing as provided in Rule 25.8 of General Information.

Date of issue September 26, 1969

Date effective October 27, 1969

Issued by J. A. O'Neill, President, Syracuse, N. Y.



Superseding First Revised Leaf No. 87
Original Leaf No. 87

SERVICE CLASSIFICATION NO. 3 (Continued)

SPECIAL PROVISIONS: (Continued)

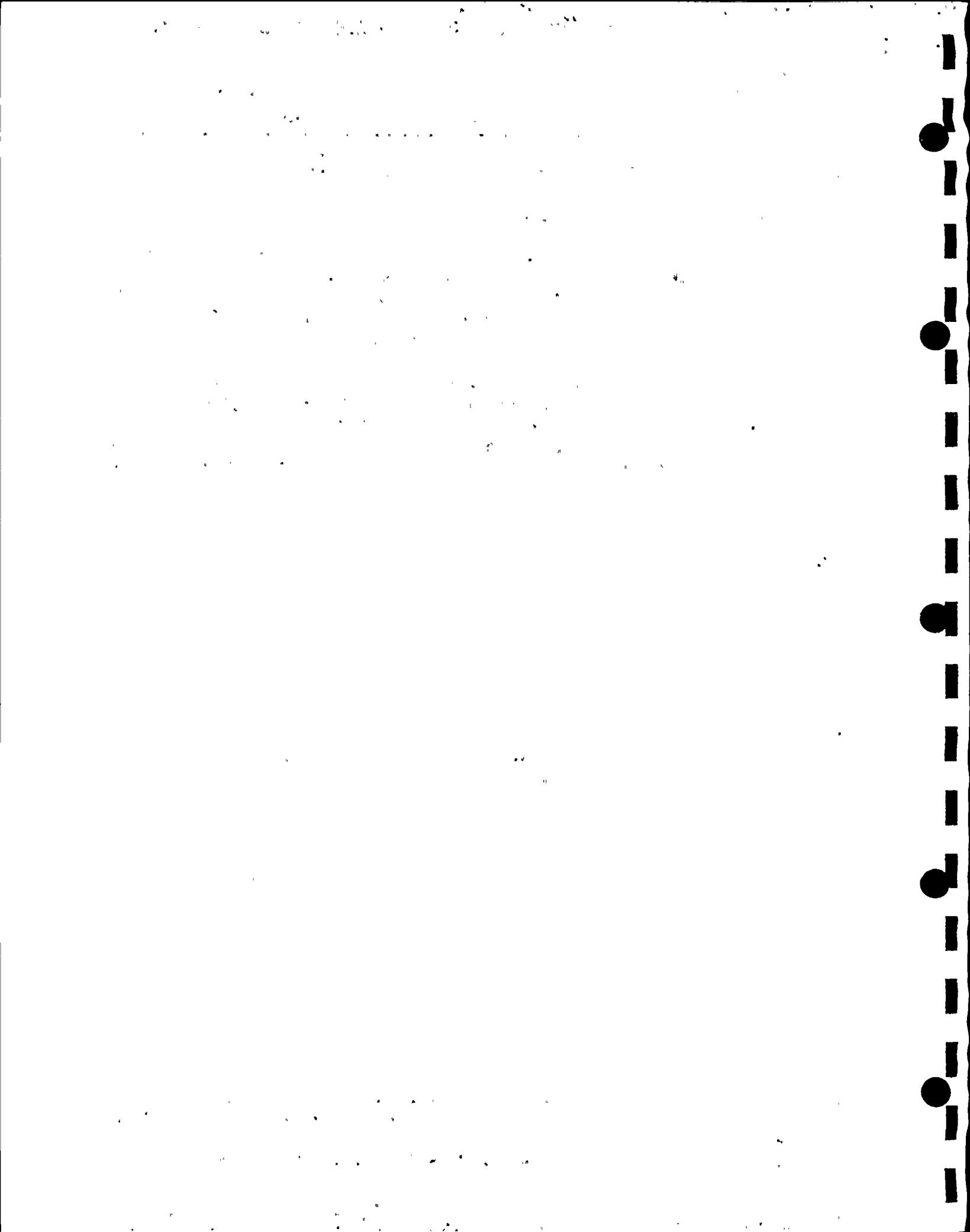
D. This Service Classification shall be applicable to 25 cycle service, taken separately from 60 cycle service, for Customers taking 25 cycle service under Schedule P. S. C. No. 309, as of the effective date hereof. Such service shall continue in accordance with the provisions of General Information as shown on Leaves Nos. 57 through 71.

E. Whenever any customer's taking of 25 cycle service hereunder, exceeds the limitations set forth on Leaves Nos. 59 through 71 inclusive of General Information by a tolerance of more than 50 KW or 5% of the stated limitation amount, whichever is the lesser amount, there shall be an additional charge for such excess taking, in addition to the charges set forth in this service classification under RATE, of \$2.50 per kilowatt per month.

Date of issue July 6, 1970

Date effective August 7, 1970

Issued by J. A. O'Neill, President, Syracuse, N. Y.



Superseding

Third Revised Leaf No. 88

Second " Leaf No. 88

SERVICE CLASSIFICATION NO. 4

UNTRANSFORMED SERVICE TO CUSTOMERS TAKING REPLACEMENT AND/OR EXPANSION POWER FROM THE NIAGARA PROJECT OF THE POWER AUTHORITY OF THE STATE OF NEW YORK

APPLICABLE TO USE OF SERVICE FOR:

The supply of the additional 60 cycle power requirements of an individual customer who has contracted with Company for the taking at the same location of REPLACEMENT AND/OR EXPANSION POWER obtained by Company from the Niagara Project of the Power Authority of the State of New York, where the combined service is delivered at one point and singly metered with respect to the delivery voltage. Available within that portion of the Company's service area located not more than thirty miles from Power Authority's Niagara Switchyard when applicable to customer and supplied from existing circuits of adequate capacity and appropriate character. Written application for service upon Form "C" is required to which a rider, when applicable, shall be attached. When accepted by Company, such application shall constitute a contract for the supply of service hereunder.

CHARACTER OF SERVICE:

Continuous. Three phase alternating current, approximately 60 cycles, at an existing distribution voltage or at an existing transmission voltage of 115 Kv or higher. Company will indicate the voltage available and appropriate for the customer's combined requirements.

CALENDAR MONTH NET RATE:

Demand Charge:

\$59.00 for the first 25 or less kilowatts of Demand
 2.05 for each of the next 175 kilowatts of Demand
 1.69 for each additional kilowatt of Demand

Plus Reactive Demand Charge:

\$0.28 for each kilovolt-ampere of lagging Reactive Demand

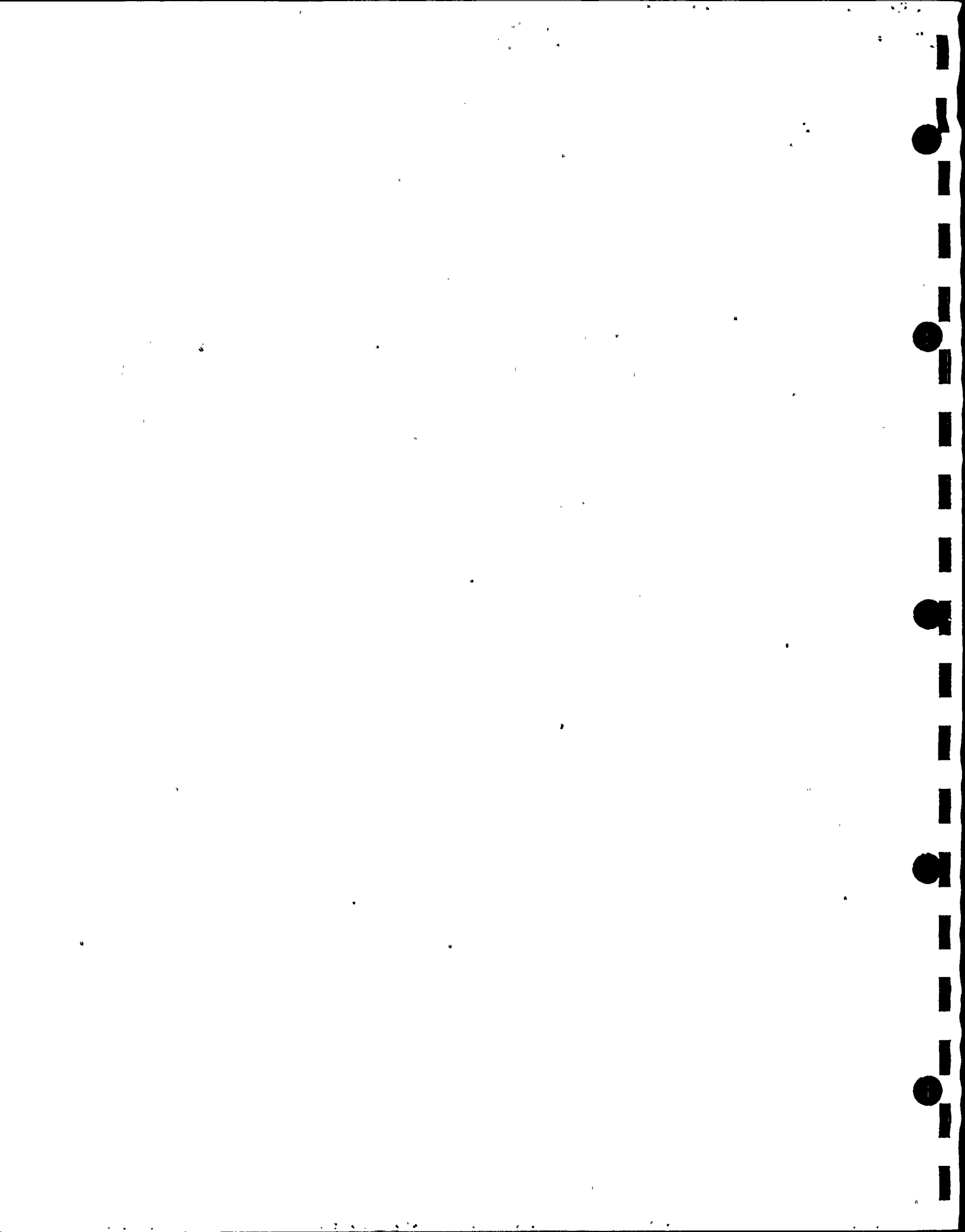
Calendar Month Net Rate Continued on Leaf No. 89.

Effective January 10, 1972 under authority of Public Service Commission, State of New York, Special Permission Order No. EL-1455, dated January 6, 1972.

Date of issue December 29, 1971

Date effective January 28, 1972

Issued by J. A. O'Neill, President, Syracuse, N. Y.



SERVICE CLASSIFICATION NO. 4 (continued)

CALENDAR MONTH NET RATE: (continued)

Effective January 10, 1972 under authority of Public Service Commission, State of New York, Special Permission Order No. EL-1455, dated January 6, 1972.

Energy Charge:

- 1.87¢ per kilowatthour for the first 14,000 kilowatthours
- 0.69¢ per kilowatthour for the remainder, if any, of the first 350 kilowatthours per kilowatt of Demand
- 0.46¢ per kilowatthour for all additional energy

CALENDAR MONTH NET MINIMUM CHARGE:

The minimum monthly charge is the charge computed under RATE, the Demand being determined in accordance with the provisions included under Determination of Billing Quantities.

COST OF FUEL ADJUSTMENT:

The energy charges set forth herein shall be increased or decreased whenever the average cost of fuel in Company's operating fossil fuel electric generating stations increases or decreases from a base cost of 29.75 cents per million btu, as described on Leaves Nos. 55, 56 and 57.

DETERMINATION OF BILLING QUANTITIES:

1. Company will furnish and install meters to measure the total 60 cycle power and energy taken by customer, including both power and energy taken hereunder and also power and energy taken under separate contracts as Replacement and/or Expansion Power. When the metering voltage is either higher or lower than the delivery voltage, such metering shall be conformed to the delivery voltage in the determination of billing amounts as provided in Rule 25.8 of General Information. In case of 115 Kv or higher transmission delivery, adjustment of metering shall be compensated to the delivery voltage.
2. The kilowatt Demand billed for power taken hereunder shall be the greater of (1) the amount, if any, by which the overall maximum 30 minute integrated 60 cycle kilowatt demand at delivery voltage as established by metering within the billing period exceeds the sum of the billing demands for Replacement and/or Expansion Power adjusted for losses as hereinafter provided, or (2) three-quarters of the highest kilowatt Demand so determined during the twelve month period ending with the billing period, or (3) the number of kilowatts computed from an

Date of issue December 29, 1971

Date effective January 28, 1972

Issued by J. A. O'Neill, President, Syracuse, N. Y.



SERVICE CLASSIFICATION NO. 4 (Continued)

DETERMINATION OF BILLING QUANTITIES: (Continued)

assumed 100% load factor use of the billing kilowatthours of energy taken hereunder within the billing period; provided, however, that in case Customer receives and takes initial or additional allocations of Replacement and/or Expansion Power (or installments of Expansion Power) or reduces or surrenders an allocation of Replacement Power or Expansion Power previously under contract during the twelve months ending with the period, that portion of the twelve month period occurring prior to such changes shall be excluded.

3. The Reactive Demand billed shall be the amount by which the overall maximum metered 30 minute integrated kilovolt-amperes of lagging reactive 60 cycle demand which shall have occurred during the billing period exceeds one-third of the overall maximum 60 cycle kilowatt demand metered during the billing period.

4. For determination of kilowatt and reactive demands to be billed hereunder the billing demand for Expansion Power shall not exceed the amount of Expansion Power made available for Customer within the billing period.

5. Billing kilowatthours of energy taken hereunder shall be the amount, if any, by which the total 60 cycle kilowatthours at delivery voltage for the billing period exceeds the sum of the kilowatthours for Replacement and/or Expansion Power adjusted for losses as hereinafter provided and taking into account that regardless of the number of billing kilowatthours for Replacement Power no customer shall be deemed to have received more replacement kilowatthours during any 30 minute period than its actual total metered kilowatthour receipts during such period.

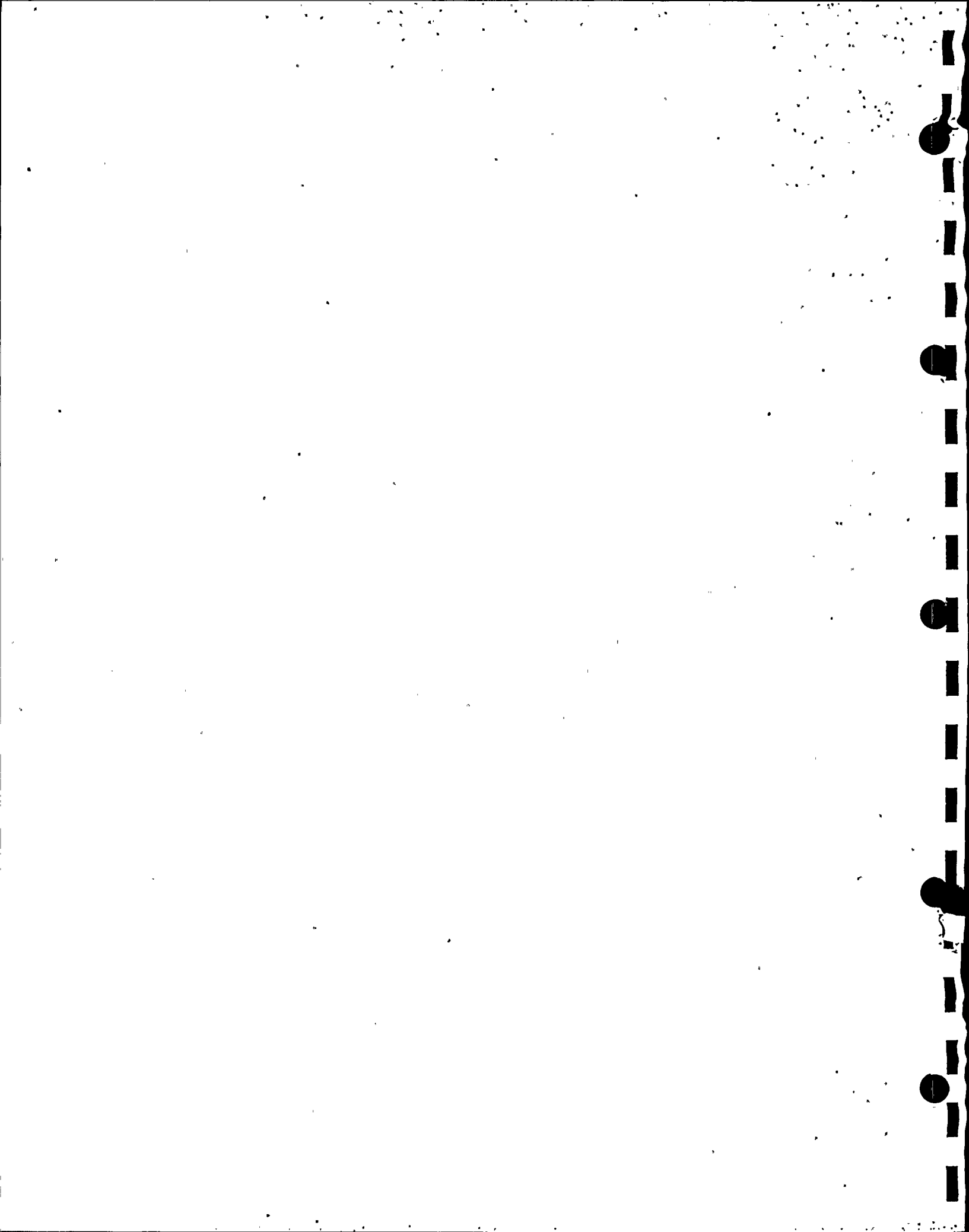
LOSS ALLOWANCE FOR REPLACEMENT AND/OR EXPANSION POWER:

Charges for power and energy taken under separate contract as Replacement and/or Expansion Power are applicable to quantities delivered or made available to Company at the Niagara Switchyard of the Power Authority of the State of New York for resale to Customers. Charges for power and energy taken hereunder are applicable to quantities delivered or made available to Customer at Customer's premises. For the determination of billing quantities of power and energy taken hereunder, the kilowatt demands and the kilowatthours of Replacement and/or Expansion Power taken shall be multiplied by 0.995 as allowance for

Date of issue September 26, 1969

Date effective October 27, 1969

Issued by J. A. O'Neill, President, Syracuse, N. Y.



SERVICE CLASSIFICATION NO. 4 (Continued)

LOSS ALLOWANCE FOR REPLACEMENT AND/OR EXPANSION POWER:
(Continued)

losses incurred in the process of delivery from the Niagara Switchyard of Power Authority (one minus a loss allowance of 0.5%).

HIGH VOLTAGE DISCOUNT:

When Customer provides all equipment required to take service at the primary distribution voltage or transmission voltage designated by Company, the demand charge stated under RATE shall be modified as follows:

(a) between 2200 and 15,000 volts, the stated demand charge less 20¢ per KW of demand billed

(b) between 22,000 and 50,000 volts, the stated demand charge less 33¢ per KW of demand billed

(c) above 60,000 volts, the stated demand charge less 40¢ per KW of demand billed

TERMS OF PAYMENT:

Bills are due when rendered. Customer is in default unless payment is made at or is mailed to a designated office or bill-paying agency of Company on or before the twentieth day of the month following the period for which bill is rendered or ten days after the bill is rendered, whichever is the later.

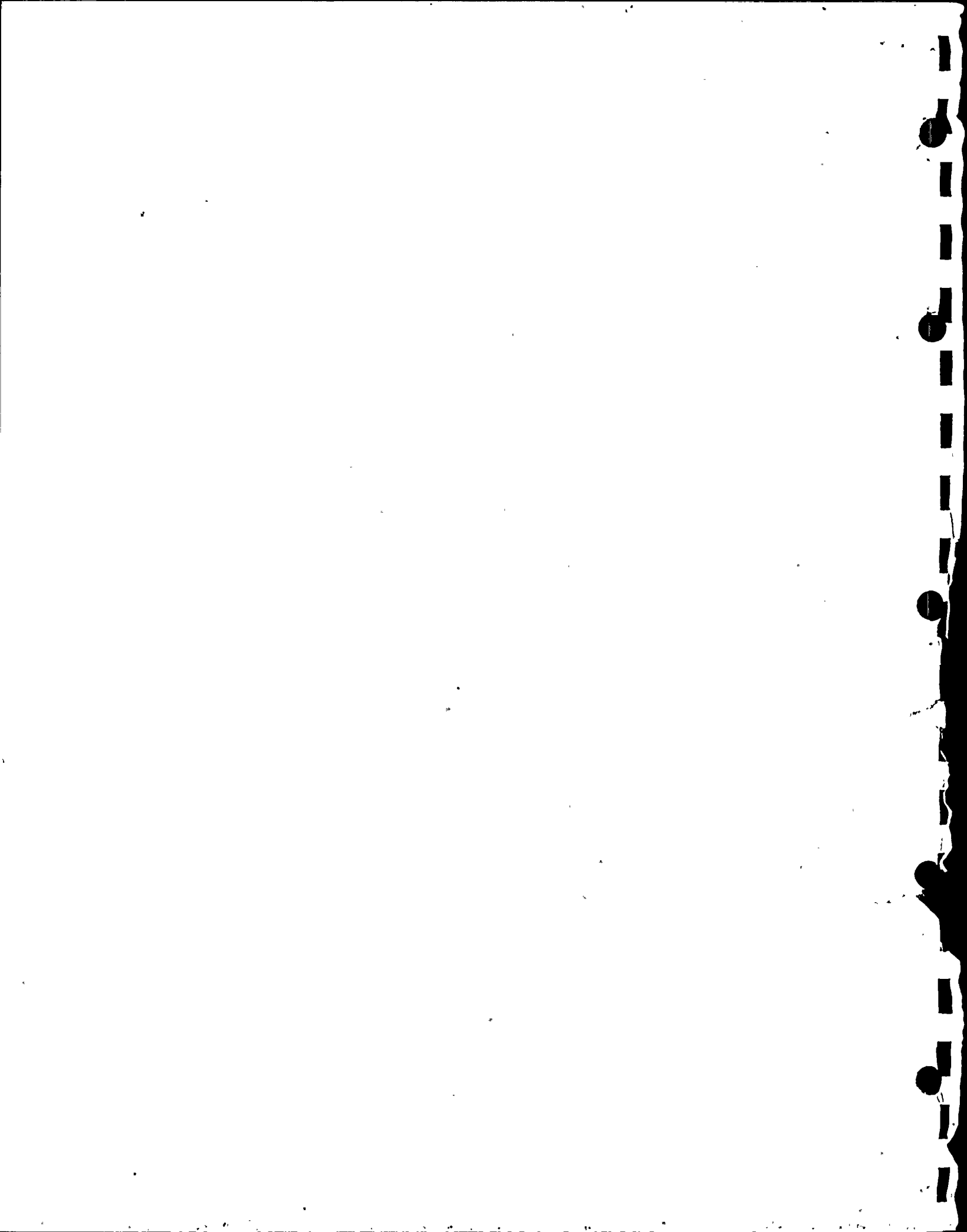
TERM:

Initial term of one (1) year and to continue thereafter for successive one (1) year terms until cancelled effective at the expiration of the initial or of any succeeding one (1) year term by Customer by a notice in writing served on Company not less than ninety (90) days prior to the termination of the initial or of any succeeding term, provided however that service hereunder will be supplied only when taken in conjunction with Replacement and/or Expansion Power and regardless of term provisions will terminate upon cessation of the supply to Customer of said Replacement and/or Expansion Power. Cancellation by Customer followed by resumption of service at the same location within one (1) year shall not modify in any way the Determination of Demand as above provided.

Date of issue September 26, 1969

Date effective October 27, 1969

Issued by J. A. O'Neill, President, Syracuse, N. Y.



SERVICE CLASSIFICATION NO. 4 (Continued)

SPECIAL PROVISIONS:

A. Company shall not be required to provide facilities for service in excess of the amount of the total demand specified in the Application for Service.

B. (1) Company will install at its own cost and expense such three phase overhead extension to a point on Customer's premises designated by Company, as Company in its sole judgment deems necessary. Company will install at Customer's cost and expense a three phase overhead extension from said designated point on Customer's premises to the point of delivery. Should the delivery point be so located that it is impracticable to supply service to it by means of an overhead extension or when Customer by reason of preference specifies either an underground extension or overhead facilities in excess of the three phase overhead extension which Company in its sole judgment has determined to be necessary and adequate for the service requested, then Customer shall pay Company all additional cost and expense thereby incurred.

(2) All facilities provided to supply service to the point of delivery shall be the sole property of Company regardless of whether or not contributions to the cost thereof have been made by Customer.

(3) Company reserves the right to defer construction of an extension for Customer until Customer's premises shall have been properly wired for the service intended.

C. When Company, pursuant to Rule 25.7.3, has provided total service at Customer's single location through more than one feeder, the quantities derived from all necessary meters will be combined for billing purposes in accordance with the provisions of such Rule upon the execution of the Rider for Combined Metering and Billing, attached to Form C.

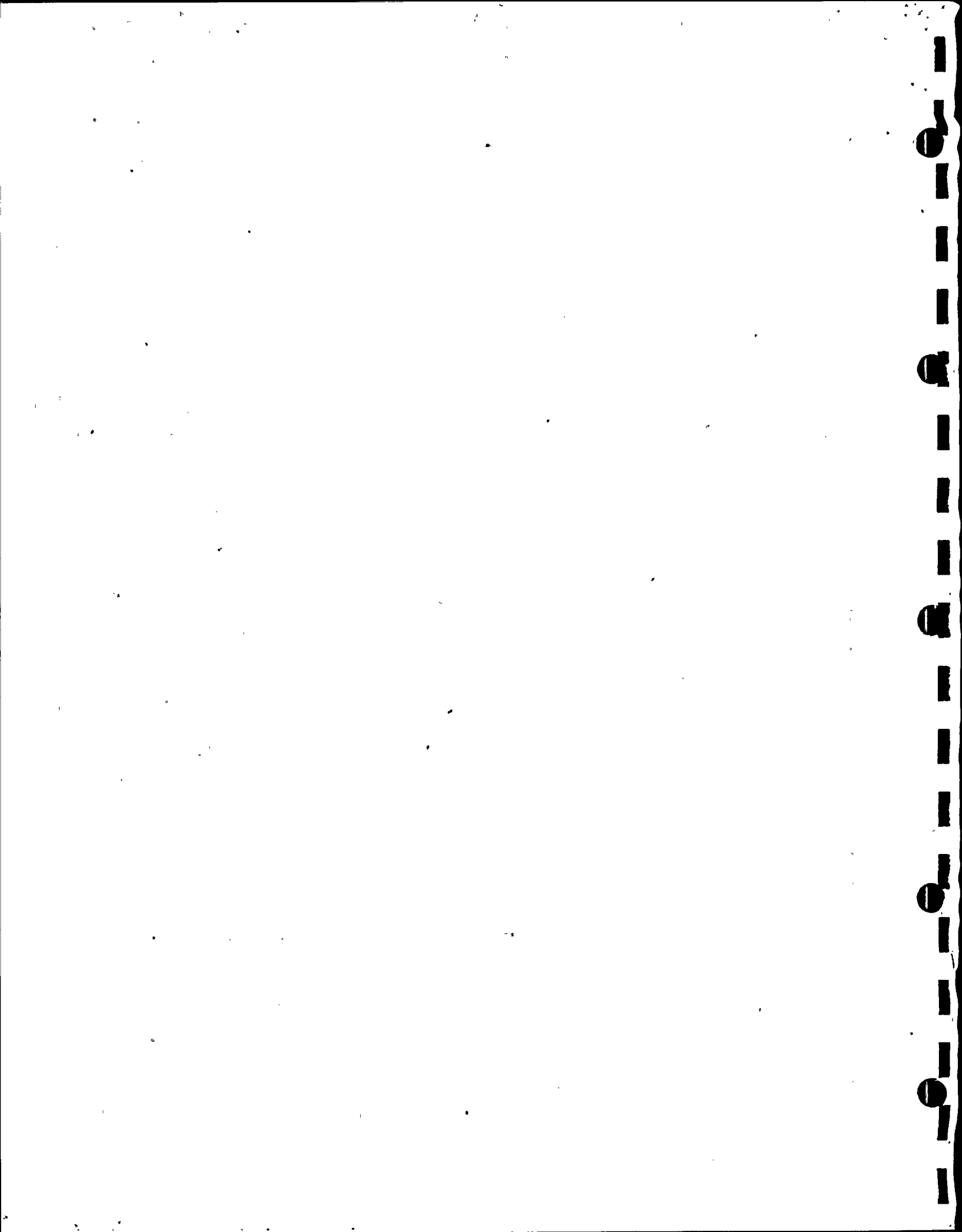
D. The billing period is a calendar month.

E. For a fractional part of a billing period at the beginning or end of service the kilowatt Demand and Reactive Demand charges and the minimum charge shall each be proportionately adjusted in the ratio that the number of hours that electric service is furnished to Customer in such fractional billing period bears to the total number of hours in the billing period involved.

Date of issue September 26, 1969

Date effective October 27, 1969

Issued by J. A. O'Neill, President, Syracuse, N. Y.



SERVICE CLASSIFICATION NO. 4 (Continued)

SPECIAL PROVISIONS: (Continued)

F. Standby service will not be supplied under this Service Classification.

G. When service is metered at a voltage either higher or lower than the voltage of delivery, metered quantities will be adjusted for billing as provided in Rule 25.8 of General Information.

Date of issue September 26, 1969

Date effective October 27, 1969

Issued by J. A. O'Neill, President, Syracuse, N. Y.



THE UNIVERSITY OF MICHIGAN
JAN 27 1956

Superseding

Third Revised Leaf No. 94

Second " Leaf No. 94

SERVICE CLASSIFICATION NO. 5
 COMBINED 25 and 60 CYCLE SERVICE

APPLICABLE TO USE OF SERVICE FOR:

25 cycle service when taken in conjunction with 60 cycle service, for all purposes, when demand is 125 kilowatts or more.

Available only to customers taking 25 cycle service in conjunction with 60 cycle service under either S.C. No. 3 or S.C. No. 5 of Schedule P.S.C. No. 300 Electricity as of August 31, 1957.

CHARACTER OF SERVICE:

Continuous. Three phase, 25 and 60 cycle alternating current, at a primary distribution voltage or a transmission voltage. Company will indicate the voltage and type of service available and appropriate for the customer's requirements.

THIRTY DAY NET RATE:

Demand Charge:

\$264.00 for the first 125 or less kilowatts of Demand
 2.05 for each of the next 75 kilowatts of Demand
 1.69 for each additional kilowatt of Demand

Plus Reactive Demand Charge:

\$0.28 for each kilovolt-ampere of lagging Reactive Demand

Plus Energy Charge:

1.87¢ per kilowatthour for the first 14,000 kilowatthours
 0.69¢ per kilowatthour for the remainder, if any, of the first 350 kilowatthours per kilowatt of Demand
 0.46¢ per kilowatthour for all additional energy

THIRTY DAY NET MINIMUM CHARGE:

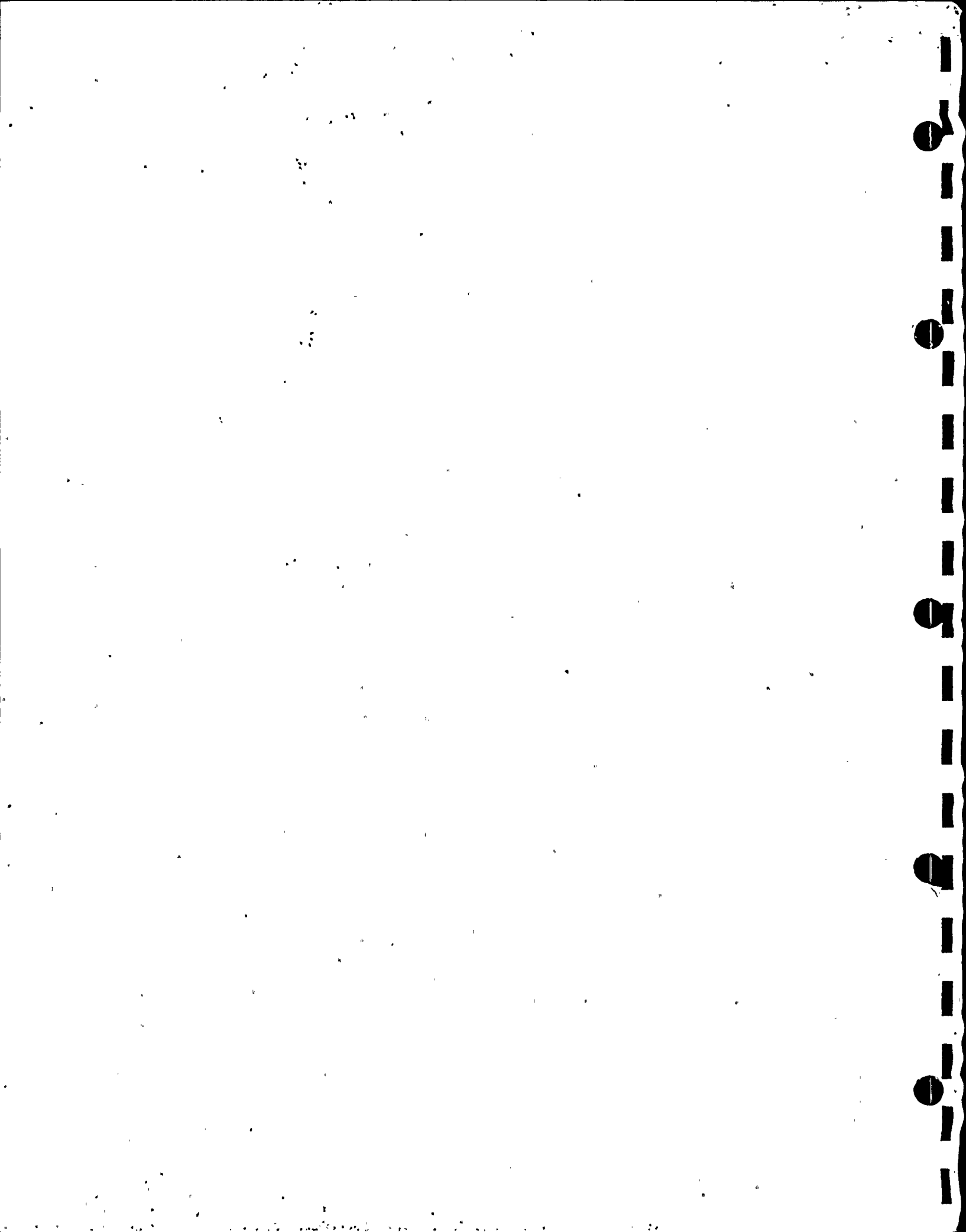
The minimum monthly charge is the charge computed under RATE, the Demands being determined in accordance with the provisions included herein under Determination of Demand.

Effective January 10, 1972 under authority of Public Service Commission, State of New York, Special Permission Order No. EL-1455, dated January 6, 1972.

Date of issue December 29, 1971

Date effective January 28, 1972

Issued by J. A. O'Neill, President, Syracuse, N. Y.



SERVICE CLASSIFICATION NO. 5 (Continued)

COST OF FUEL ADJUSTMENT:

The energy charges set forth herein shall be increased or decreased whenever the average cost of fuel in Company's operating fossil fuel electric generating stations increases or decreases from a base cost of 29.75¢ per million btu, as described on Leaves Nos. 55, 56 and 57.

DETERMINATION OF DEMAND:

A. The Demand shall be the sum of the highest average kilowatts of 25 cycle demand measured in a fifteen minute interval during the month and the highest average kilowatts of 60 cycle demand measured in a fifteen minute interval during the month, whether coincident or not, each determined by a separate meter, and subject to the provision that the 25 cycle demand shall never be less than 75 kilowatts and the 60 cycle demand shall never be less than 50 kilowatts. The Billing Demand during each billing period shall be the Demand so determined, but not less than three-quarters of the highest such Demand occurring during any of the preceding eleven months, nor less than the Demand contracted for.

B. The Reactive Demand shall be determined separately for each frequency and shall be the highest average kilovolt-amperes of lagging reactive demand measured in a fifteen minute interval during the month less one-third of the highest kilowatt demand at that frequency measured during the month. The Reactive Demand shall be determined when Customer's total kilowatt demand has exceeded 150 kilowatts for 3 consecutive months or when the connected load of customer indicates that the total kilowatt demand may normally exceed 150 kilowatts. Reactive Demand determination shall continue until the total kilowatt demand has been less than 150 kilowatts for twelve consecutive months.

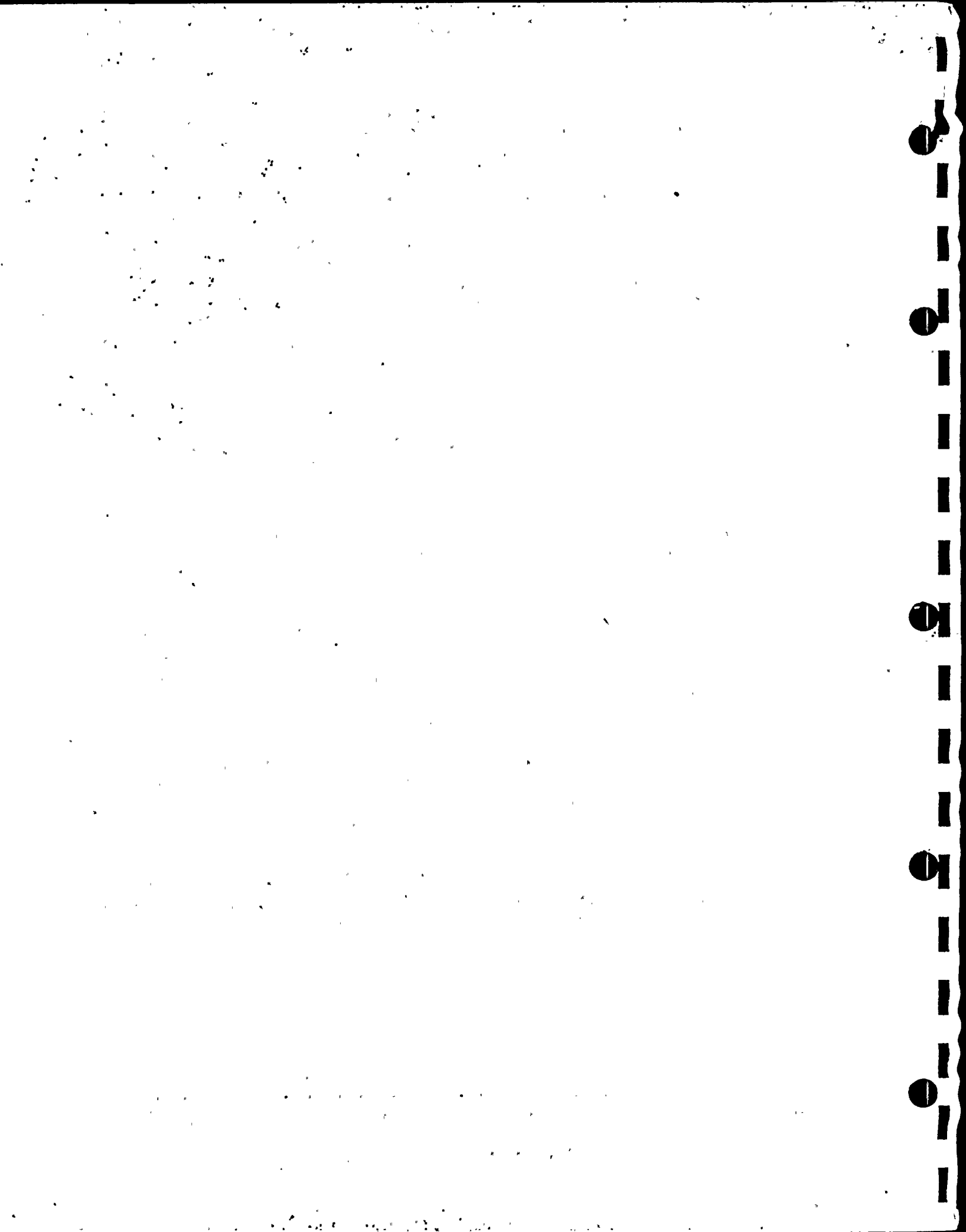
DETERMINATION OF ENERGY CHARGES:

The energy charges set forth under RATE shall be applied to the sum of the kilowatthours taken at both frequencies. The size of the kilowatthour blocks shall be calculated by multiplying the number of hours by the total monthly billing demand.

Date of issue January 15, 1971

Date effective March 1, 1971

Issued by J. A. O'Neill, President, Syracuse, N. Y.



SERVICE CLASSIFICATION NO. 5 (Continued)

HIGH VOLTAGE SERVICE:

The demand charge stated under RATE shall be modified when Customer provides all equipment required to take service at supply voltage designated by Company.

(a) between 2200 and 15,000 volts, the stated demand charge less 20¢ per KW of demand billed

(b) between 22,000 and 50,000 volts, the stated demand charge less 33¢ per KW of demand billed

(c) above 60,000 volts, the stated demand charge less 40¢ per KW of demand billed

TERMS OF PAYMENT:

Bills are due when rendered and customer is in default unless payment is made within ten days thereafter.

TERM:

One year from commencement of service under this Service Classification or under a Service Classification superseded hereby, and continuously thereafter until permanently cancelled by Customer upon 90 days prior written notice to Company. Cancellation by Customer followed by resumption of service at the same location within one year shall not modify in any way Determination of Demand as above provided.

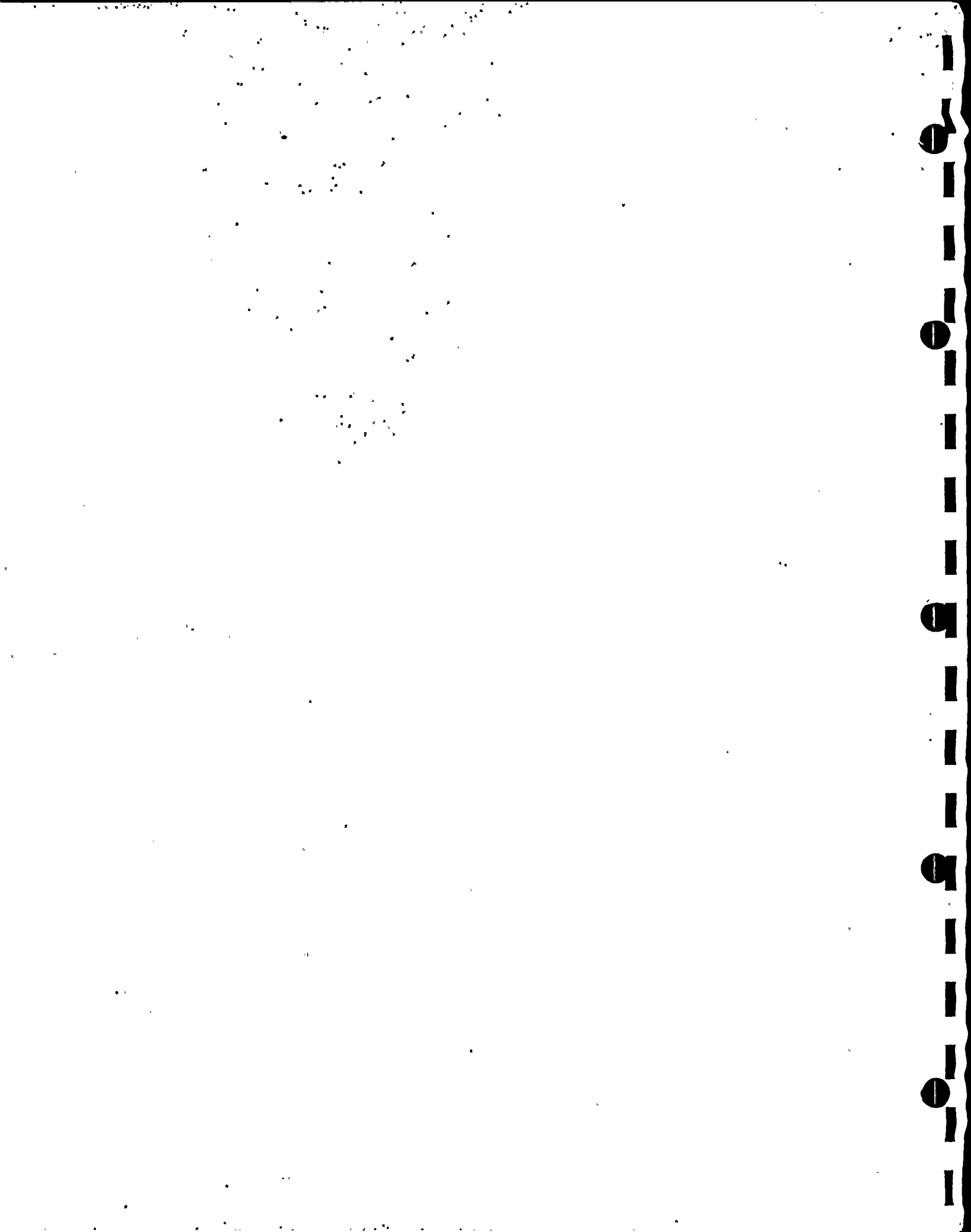
SPECIAL PROVISIONS:

A. All service to a Customer at a single location shall be rendered through a single meter for each frequency except that when a Customer's load requirements are such that service at either frequency has to be taken through more than one feeder and it is impracticable to measure the service at that frequency through a single meter, the quantities derived from all necessary meters for that frequency may be combined to determine the maximum demand at that frequency. Such maximum demand for either frequency shall be the maximum sum of the coincident demands on all feeders of the same frequency, determined on each such feeder by a single meter and totalized by an approved method. The reactive kilovolt-ampere demands shall be similarly determined and totalized and the kilowatthours shall be the sum of the kilowatthours recorded by the separate watthour meters.

Date of issue September 26, 1969

Date effective October 27, 1969

Issued by J. A. O'Neill, President, Syracuse, N. Y.



SERVICE CLASSIFICATION NO. 5 (Continued)

SPECIAL PROVISIONS: (Continued)

B. Whenever any customer's taking of 25 cycle service hereunder, exceeds the limitations set forth on Leaves Nos. 59 through 71 inclusive of General Information by a tolerance of more than 50 KW or 5% of the stated limitation amount, whichever is the lesser amount, there shall be an additional charge for such excess taking, in addition to the charges set forth in this service classification under RATE, of \$2.50 per KW per month.

Date of issue July 6, 1970

Date effective August 7, 1970

Issued by J. A. O'Neill, President, Syracuse, N. Y.

