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THE GLENN TAX IN NEW YORK

by

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Although the information described in this paper has been funded wholly or in part by the United States Environmental Protection Agency under assistance agreement No. 808514-03-0 to the University of Illinois and Subcontract No. 83-104 to Cornell University, it has not been subjected to the Agency's required peer and administrative review and therefore does not necessarily reflect the views of the Agency and no official endorsement should be inferred.

Part of the plant data used in the simulations is presently being revised from 1979 values to 1980 values and therefore this paper is subject to revision if the data changes cause a significant change in the results presented here.

Comments received will be helpful to the review process, and should be addressed to Mark Younger c/o Duane Chapman, 212 Warren Hall, Cornell University, Ithaca, New York, 14853.

The author was a research specialist in the Department of Agricultural Economics at Cornell University when this paper was completed.

The Glenn Tax in New York

Mark Younger[1]

Legislation presently being proposed in Washington by Senator John Glenn would place a tax on electricity production to help offset the cost of retrofit pollution control on electric power plants. The proposed tax (the Glenn Tax) would impose a 1 mill/kWh charge on electricity produced from all fossil fuels starting the year after the tax is passed. This fee would increase to 2 mills/kWh in the second year and to 3 mills/kWh in the third year. The tax would then remain at the level of 3 mills/kWh for the next 10 years. The revenue from the tax would be accumulated in a fund which would be used to pay the capital cost of the retrofit pollution control equipment which would become operational in 12 years, in 1996.

This memorandum presents an analysis of the Glenn Tax for New York using the Cornell-Carnegie Mellon[2] version of the Advanced Utility Simulation Model. Whereas an analysis of only one state will necessarily be deficient in many respects, an analysis of New York is appropriate for several reasons. New York utilities presently generate electricity from every conventional source with over 60 percent of the total electric energy being derived from the burning of coal, oil, and natural gas. As in many of the eastern states, New

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1. Assisted by Duane Chapman. Graphics by Tom Motyka. Work supported at Cornell University by U.S. EPA and the University of Illinois; see end note.

2. See Chapman et al for a description of this model. Appendices A and B to this memorandum show the detailed financial, plant, and demand data for Case 4 discussed below.

York utilities are finishing the construction of new electrical capacity, including two large nuclear power plants and a coal plant which is designed in compliance with the revised New Source Performance Standards. With the low growth expected in electricity demand, these new plants will predominantly have the effect of displacing more expensive oil plants, and thus reducing sulphur oxide emissions from the oil plants.

* * *

For the analysis, it is assumed that the bill is passed in 1983 and the tax begins accumulating in 1984. The tax rate increases in 1985 and again in 1986. The revenues from the tax are put into an independent fund which earns interest at a rate of 12 percent per year. The general inflation rate throughout the entire period is assumed to be 6 percent. Additional model parameters are given in Table 1.

Five scenarios examine the effects of the bill (see Table 2). The first scenario is a base case involving no tax and no required sulphur dioxide emission reductions. Scenarios 2 and 3 for coal emission reductions alone require either a 60 percent or a 90 percent reduction from coal plants. The two final scenarios, 4 and 5, incorporate both oil emission reductions and coal emission reductions. The first of these uses a 1.0 percent sulphur-oil standard with a 60 percent coal emission reduction. The second requires a 0.6 percent sulphur oil standard combined with a 90 percent reduction in emissions from coal plants. Plant and fuel data and a summary output listing from case 4 are given in the appendices.

Construction of pollution control equipment for the coal plants

Table 1. General Simulation Information

1. Exogenous Economic Parameters

General inflation 6%

Multiplicative escalation for individual utility fuels:

nuclear 1%
coal 1%
oil 3%
natural gas 3%

Change in population, employment, real earnings, and income: 0%

2. Financial Data

Number of utilities: 7 private, and New York Power Authority

Total electric plant: $13.9 billion in 1980

Rate base: $9.9 billion in 1980
$15.2 billion in 1987 with the new plants

Returns to common and preferred equity: 15% and 13.5%

Debt interest: 12%

Revenue 1980: $6.6 billion

Income tax expense, income statement, 1980: $538 million

Income tax payment, 1980: $168 million

Long term debt, 1980: $7.7 billion.

3. Dispatching: New York Plants, after 1982 (Base Case)

	Capacity with new plants, MW	Availability factor	Maximum capacity factor	Capacity factor in base case, max. used
coal	4,155	.900	77%	77%
residual oil	11,692	.900	77%	31%
natural gas	4,047	.900	77%	33%
hydro	4,021	.900	77%	77%
nuclear	5,483	.575	77%	57.5%
distillate oil	2,374	.900	77%	1%
all plants	31,772			42%

4. Sulfur Emission Standards

A. Coal Plants

1. Ten at 1.90 lb S/MBtu
2. One at 2.80 lb S/MBtu
3. One NYPP plant in Pennsylvania at 2 lb S/MBtu
4. Somerset, new plant, 0.6 lb SO_2/MBtu

B. Oil Plants, all % S by weight

1. Eight at 0.30%
2. Two between 0.37% and 0.60%
3. Seven at 1.00% or 1.50%
4. Five at 2.00% or more

5. New Plant Information

Name	Completion date	Size (MW)	Total cost[1] through 1979 ($ million)	Total cost through completion ($ million)
Shoreham - Nuclear	1/84	809	1262.0	3456.1
Somerset - Coal	11/84	625	51.1	1299.5
Nine Mile Pt. 2 - Nuclear	11/86	1080	755.0	4685.9

[1]Cost includes AFUDC

Table 2. Scenario Information

	CASE 1	CASE 2	CASE 3	CASE 4	CASE 5
New Coal Emission Requirement	No Additional Reduction Requirement	Emission Standards Reduced 60%	Emission Standards Reduced 90%	Emission Standards Reduced 60%	Emission Standards Reduced 90%
New Oil Emission Requirement	No Additional Reduction Requirement	No Additional Reduction Requirement	No Additional Reduction Requirement	Maximum Emission Standard 1.0% SO_2/MBtu	Maximum Emission Standard 0.6% SO_2/MBtu

Note: Case 1 is the base case with no tax and no emission requirements for existing plants beyond those now embodied in the State Implementation Plan. Cases 2-5 each apply the tax to all fossil fuel burned by utilities, and the new emission requirements become effective in 1996. In all cases, the new Somerset coal plant meets RNSPS sulfur oxide limits.

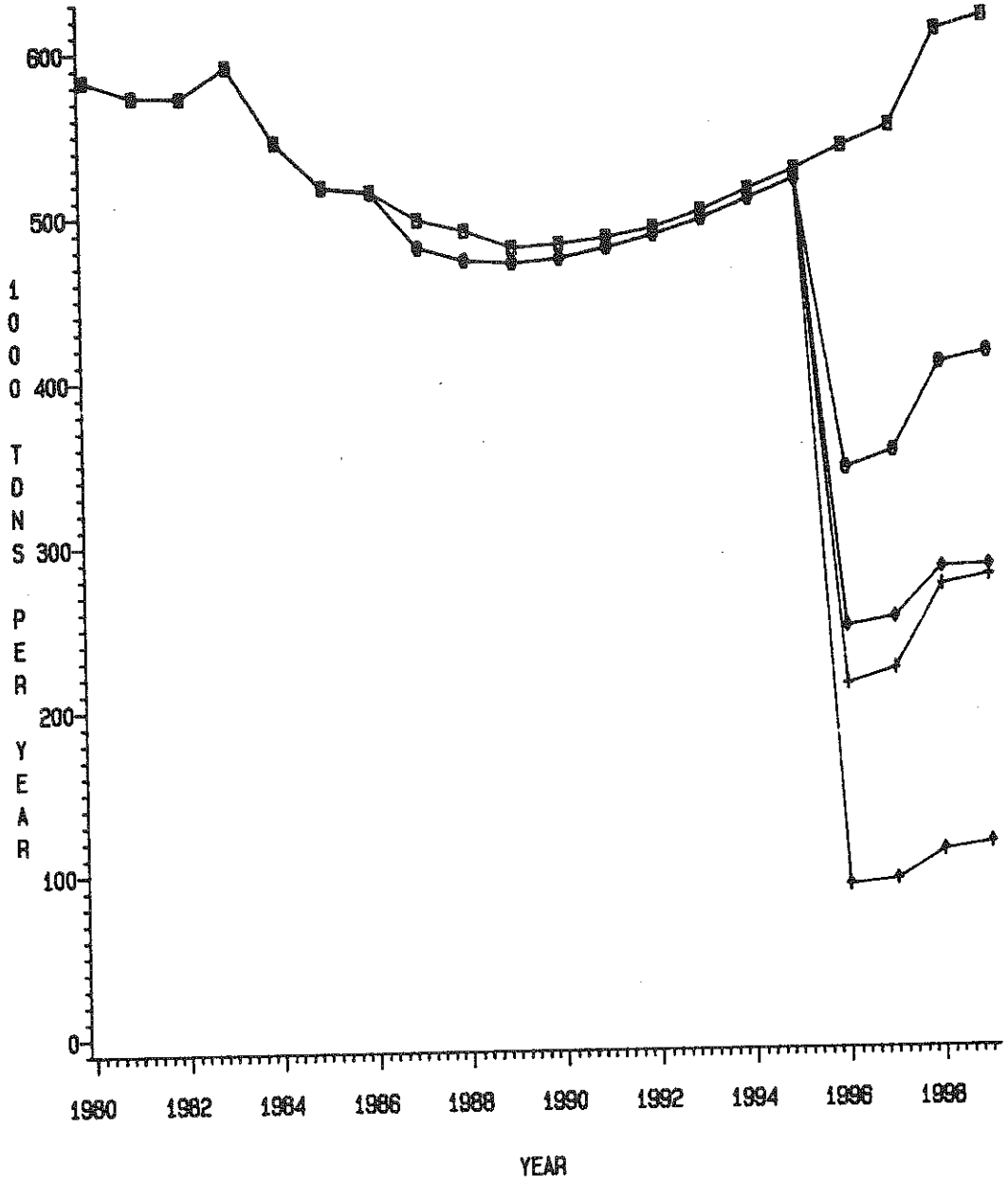
is begun in 1993 and is completed in 1995. After completion, it is assumed that pollution control equipment does not go into the rate base because utility customers have already paid for the investment with the tax. The average cost of the pollution control equipment in the 90 percent reduction scenario is $279/MW (1980 dollars). This cost is approximately one third higher than the actual cost paid by a New York utilty to put sulphur scrubbers on a new plant and reflects the higher cost which would correspond to retrofitting a plant which is already operational.

The reduction in oil emissions is achieved by the burning of lower sulphur oil. For the medium sulphur reduction, this is acomplished by requiring the utilities to burn oil with a maximum sulphur content of 1 percent. The cost of this oil is assumed to be $28.24/bbl (1980 dollars). This is the actual cost paid by a New York utility for 1 percent sulphur oil in 1980. For the stronger reduction, the sulphur content is required to be less than 0.6 percent. The price of this oil is assumed to be $30.50/bbl (1980 dollars). This also is the average price paid for 0.6 percent sulphur oil paid by New York utilities in 1980.

* * *

Without the tax and the addition of the pollution control equipment, sulphur dioxide emissions will increase by 1999 (see Figure 1). The immediate effect of the two new nuclear power plants beginning operation is to reduce emissions. However, this reduction will be offset by the end of the century by a slight increase in the demand for electricity and the substitution of fuel oil for natural gas as the price of natural gas increases.

FIGURE 1: TOTAL SO2 EMISSIONS (1000 TONS/YEAR)



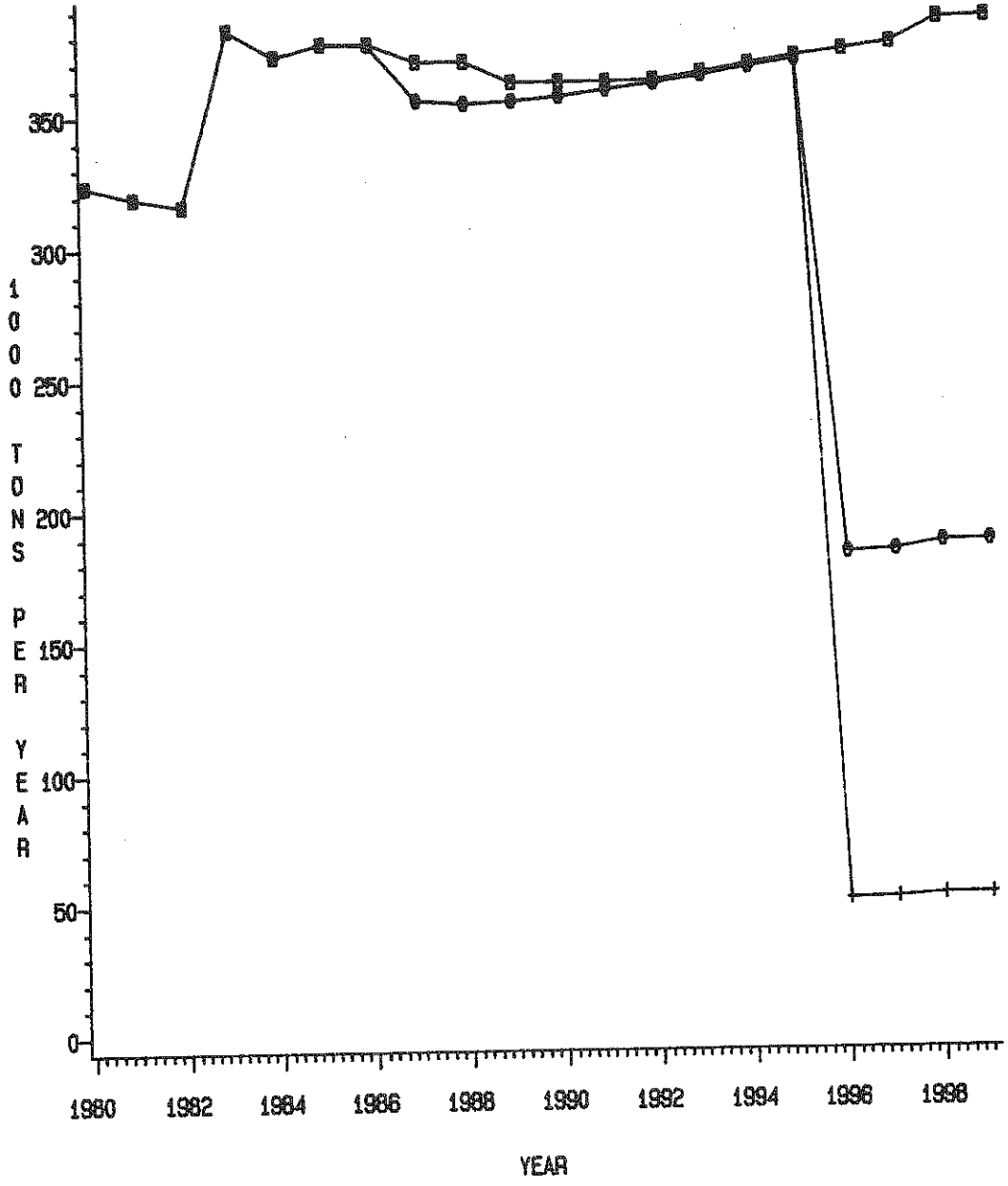
- □ Base Case
- o 60% Coal Standard Reduction
- ◊ 60% Coal Standard Reduction & 1.0% Oil Standard
- \+ 90% Coal Standard Reduction
- ✱ 90% Coal Standard Reduction & 0.6% Oil Standard

In both the 60 percent and the 90 percent coal reduction scenarios there is a significant decrease in sulphur dioxide emissions from coal plants (see Figure 2). However, due to the presence of emissions from oil fired power plants, the percentage reduction in total sulphur dioxide emissions is much lower than the percentage reduction in emissions from coal fired power plants alone. Even with 90 percent reduction of emissions from coal plants, the total emissions for 1999 are only slightly less than 50 percent of the 1980 level.

The inclusion of a requirement to burn low sulphur oil has a significant effect on sulphur dioxide emissions from oil plants (see Figure 3) and total sulphur dioxide emissions. With the burning of oil with at most a 1.0 percent sulphur content, a 50 percent reduction in total emissions can be achieved by employing only 60 percent scrubbing of coal emissions. The extreme reduction case of 90 percent coal emission scrubbing and the burning of 0.6 percent sulphur oil results in at least an 80 percent reduction from the 1980 level of total utility sulphur dioxide emissions. In both cases, part of the reduction in emissions is caused by the utilities switching some of their plants from the burning of oil to the burning of natural gas.

Maps for each case showing sulphur dioxide emissions by county in 1989 are shown on pages 11 through 15. (Note: in a national analysis, the county mappings could be replaced by state mappings.) In analyzing the emission levels, the counties are easily separated by source. Those counties surrounding New York City do not have any coal plants. All of the significant emissions for the counties upstate are from coal plants with the exception of the two northeastern counties

FIGURE 2: TOTAL SO2 EMISSIONS FROM COAL (1000 TONS/YEAR)

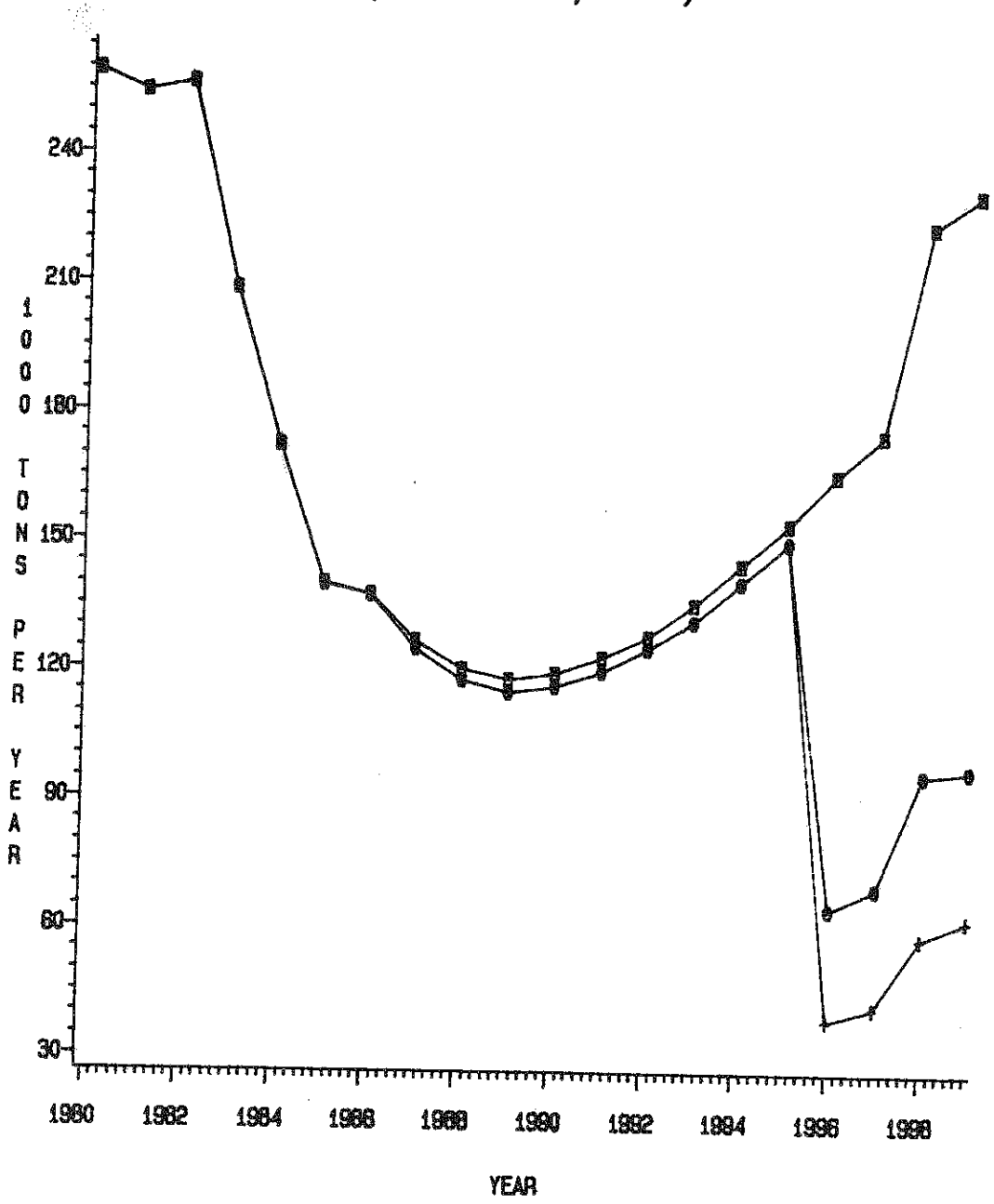


□ Base Case

◇ 60% Coal Standard Reduction

\+ 90% Coal Standard Reduction

FIGURE 3: TOTAL SO2 EMISSIONS FROM OIL (1000 TONS/YEAR)

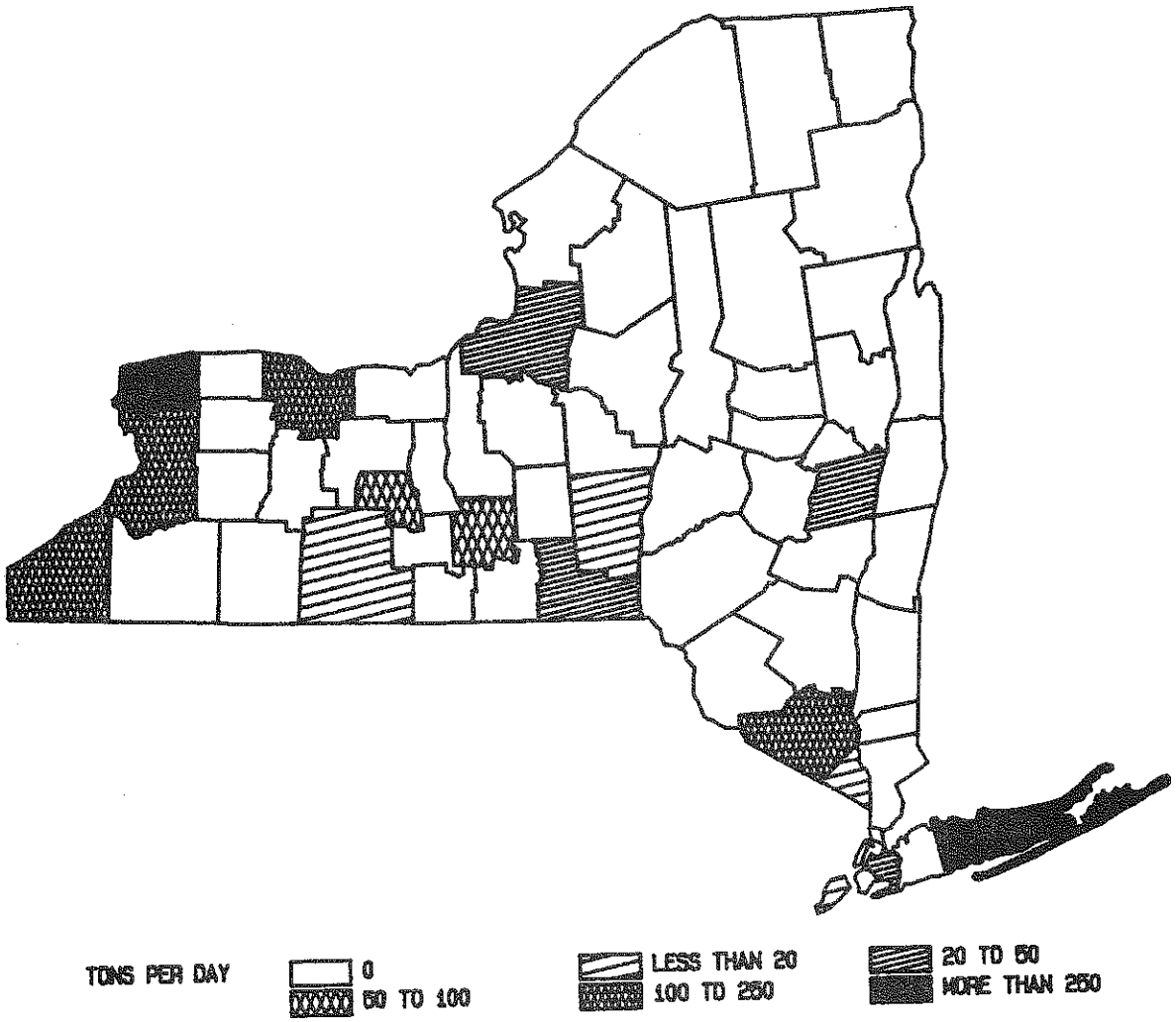


□ Base Case

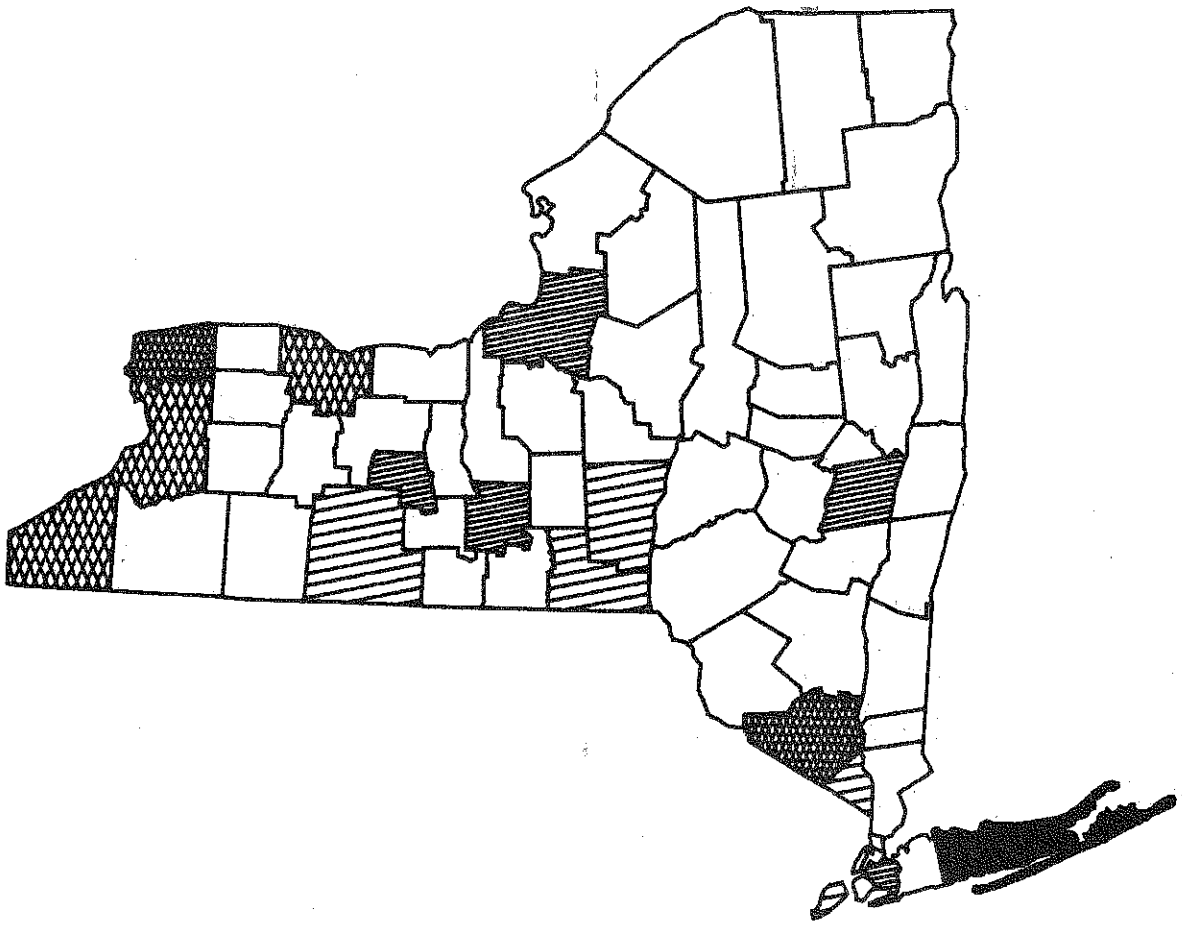
○ 1.0% Oil Standard

\+ 0.6% Oil Standard

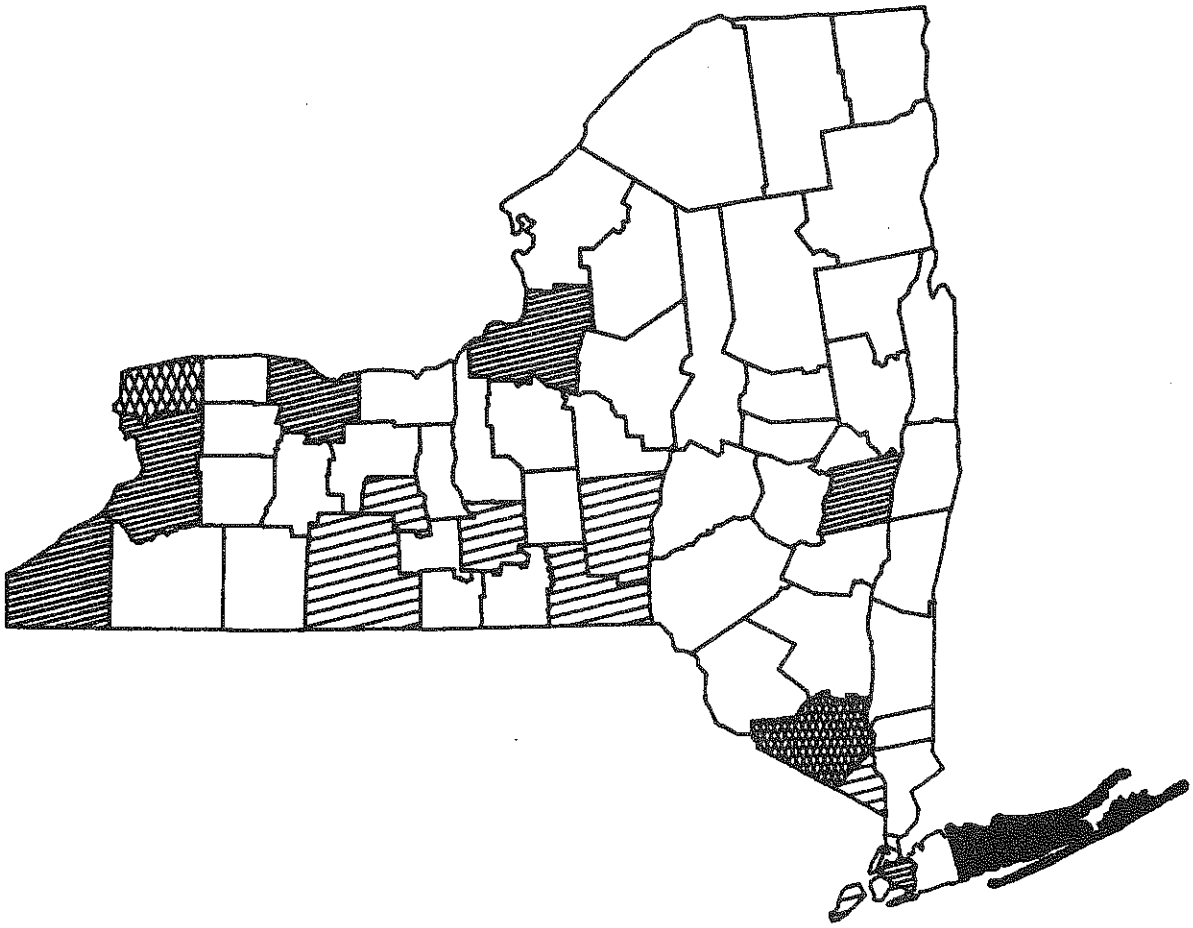
SO2 EMISSIONS BY COUNTY (TONS PER DAY)
BASE CASE



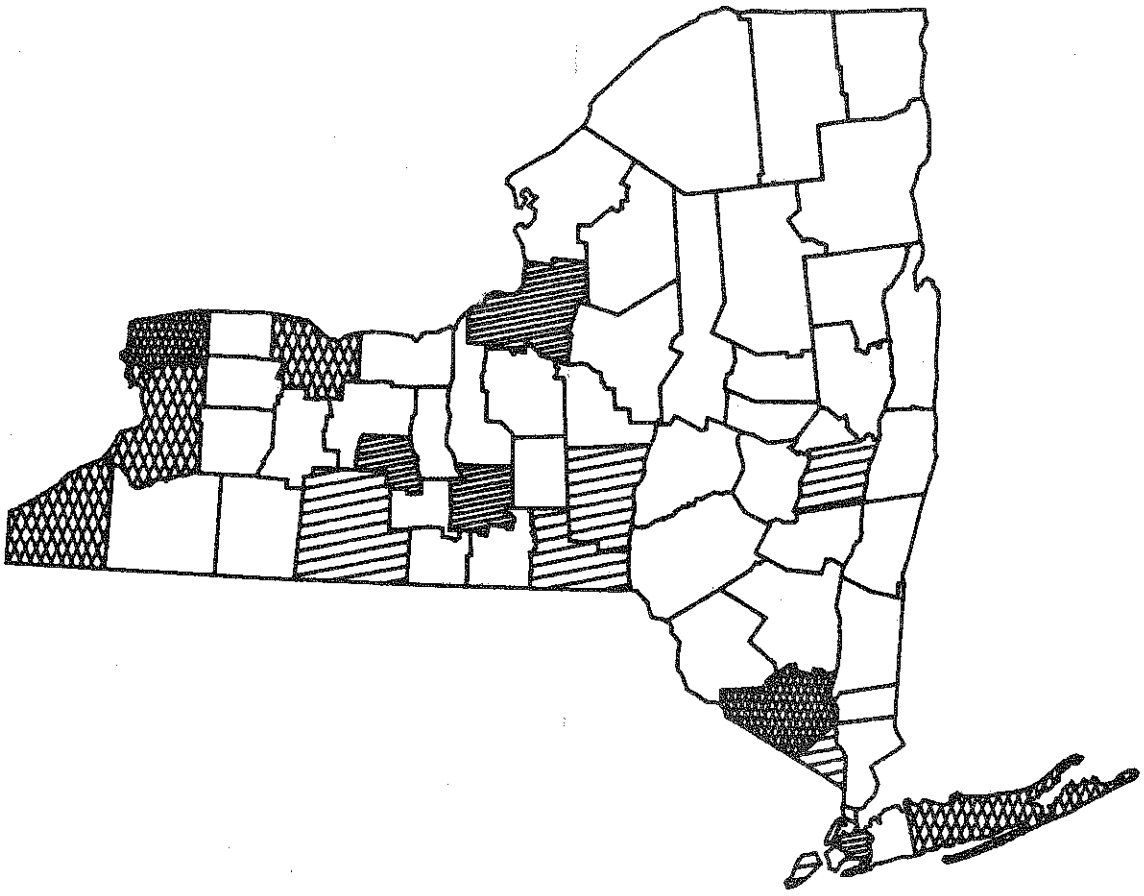
SO2 EMISSIONS BY COUNTY (TONS PER DAY)
60 PERCENT COAL STANDARD REDUCTION



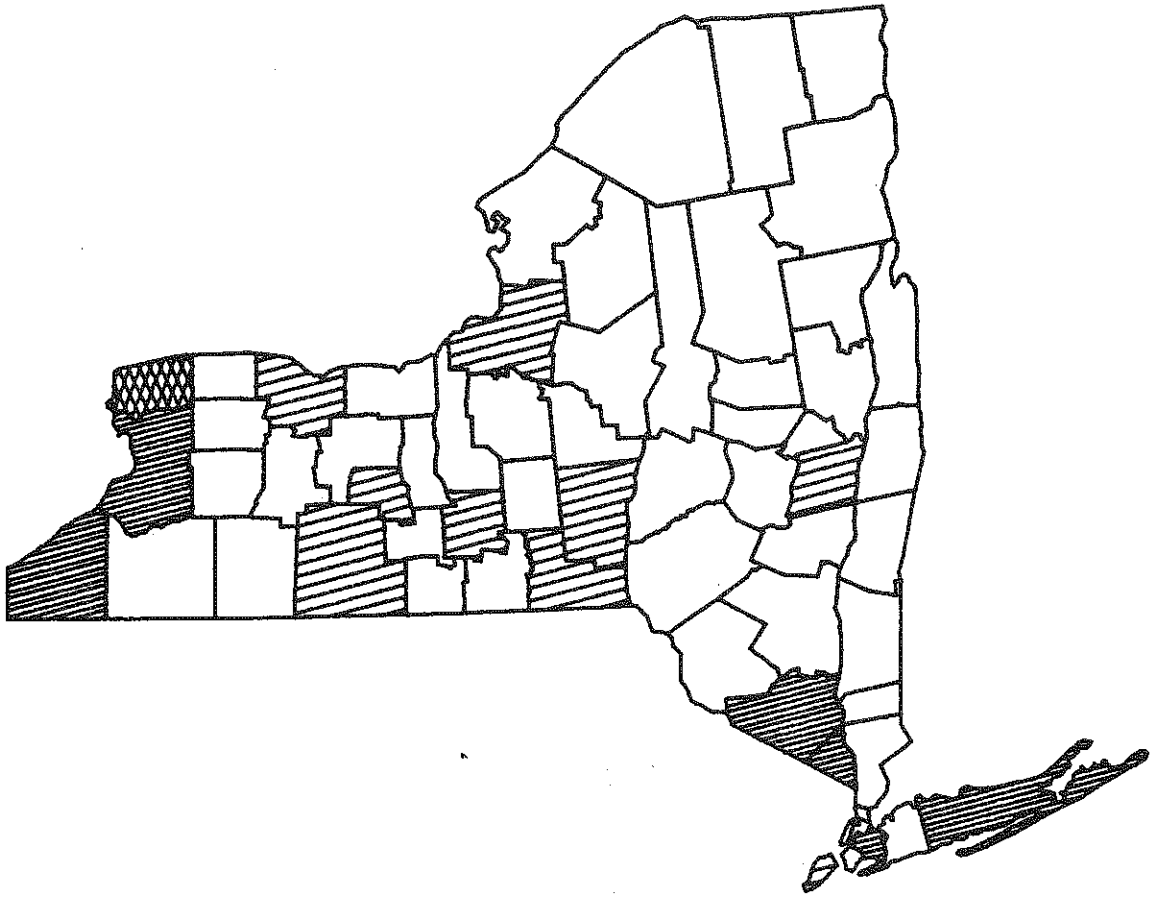
SO2 EMISSIONS BY COUNTY (TONS PER DAY)
90 PERCENT COAL STANDARD REDUCTION



SO2 EMISSIONS BY COUNTY (TONS PER DAY)
60 PERCENT COAL STANDARD REDUCTION
AND 1.0 PERCENT OIL STANDARD



SO2 EMISSIONS BY COUNTY (TONS PER DAY)
90 PERCENT COAL STANDARD REDUCTIONS
AND 0.6 PERCENT OIL STANDARD



in this group. For these two counties, all of the emissions come from oil plants. Consequently, changing the coal emissions alone will only effect those plants in the western half of the state. Any sulphur dioxide reduction scenario which tries to reduce emissions in some uniform manner will have to alter the oil plants operating in the New York City area.

The tax has almost no effect on the cost of electricity and the demand for electricity (see Figures 4 and 5). The difference in the annual average residential bill in the Base Case and the most costly Case 5 never exceeds $20 (1980 dollars). In all cases, the price of electricity declines in real terms over the period of the simulation. This is due to the shrinking of the rate base by both depreciation and general inflation in a period without the need for significant growth in electrical capacity. Inflation also has the effect of lessening the impact of the tax in real terms because the tax rate remains constant after 1986, whereas other prices increase.

The financial health of the utilities is not impaired by the tax. The utilities' interest coverage ratios and returns on equity are unaffected by the tax because it is flowed directly through to the utilities' customers.[3]

When the pollution control equipment begins operating in 1996, there is an increase in maintenance costs for the coal plants; however, this cost increase is offset by the removal of the tax. There is no increase in the return to the rate base because the cost of the pollution equipment has already been paid for with the taxes.

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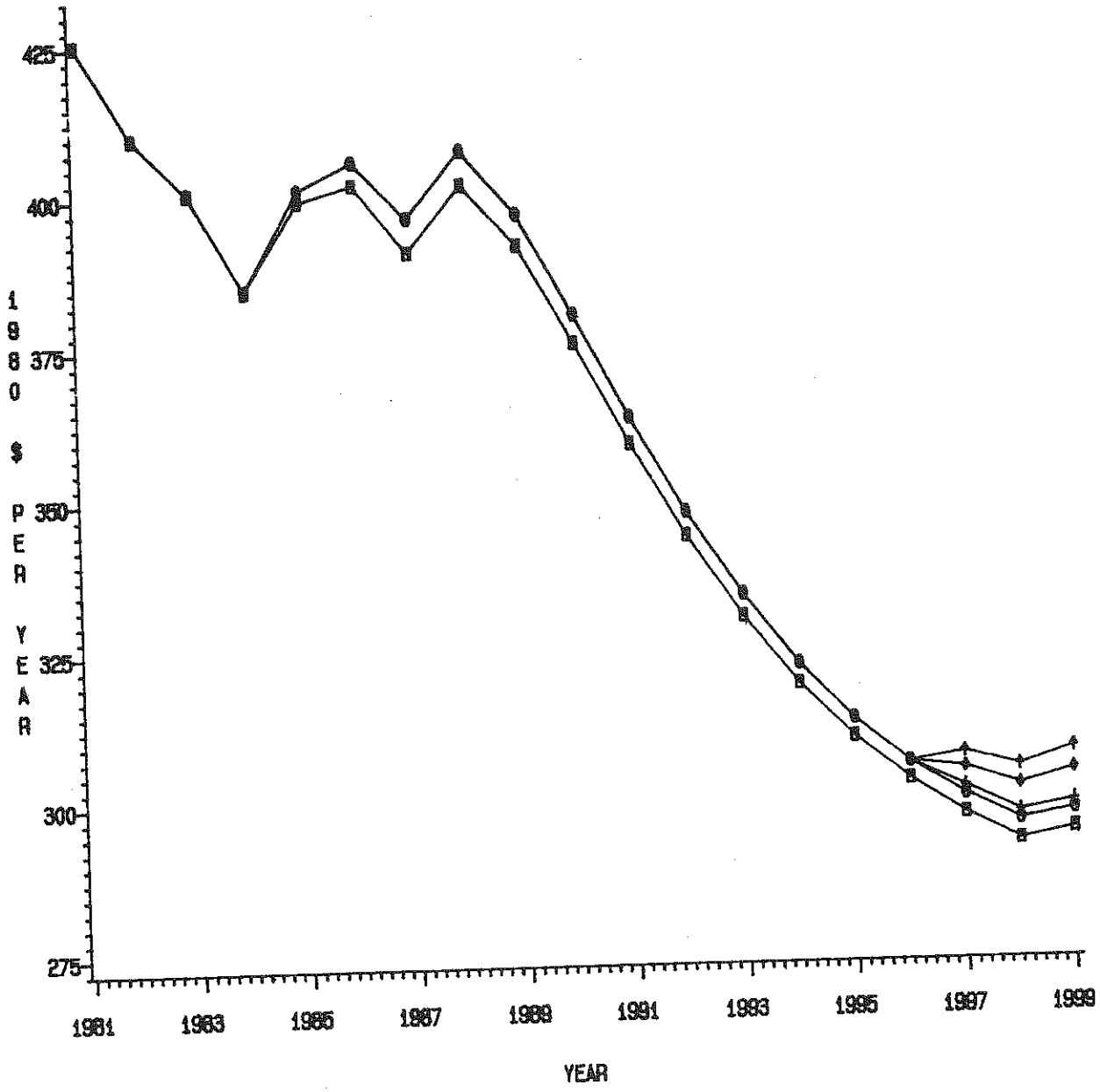
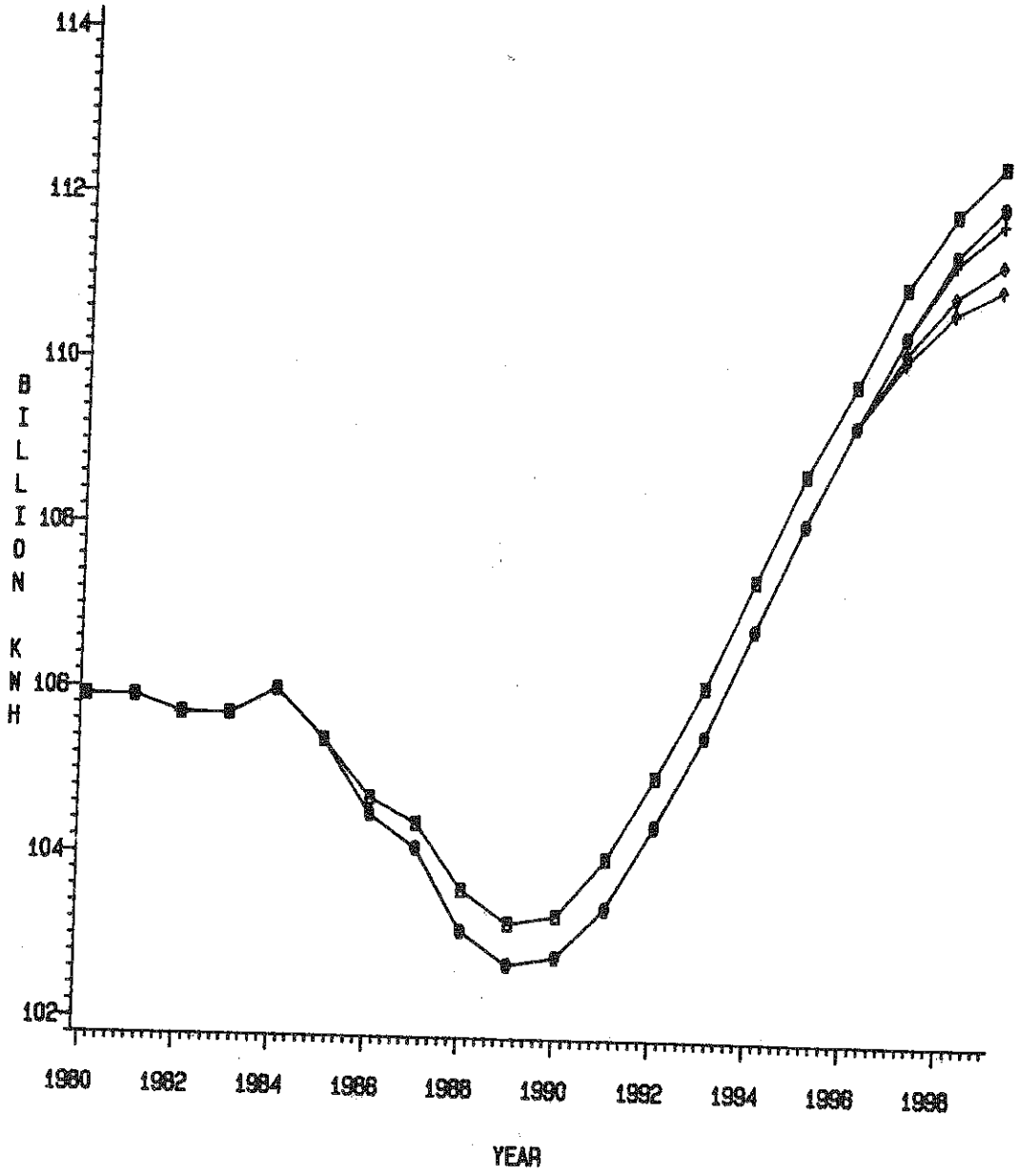
3. In Appendix B, see the Income Statement, Glenn Tax, and interest coverage ratios, pp. B-3, B-4, B-11, and B-12.

FIGURE 4: AVERAGE RESIDENTIAL ELECTRIC BILL (1980 $/YEAR)



- Base Case
- 60% Coal Standard Reduction
- 90% Coal Standard Reduction
- 60% Coal Standard Reduction & 1.0% Oil Standard
- 90% Coal Standard Reduction & 0.6% Oil Standard

FIGURE 5: TOTAL ELECTRICITY DEMAND (BILLION KWH)



- Base Case
- 60% Coal Standard Reduction
- \+ 90% Coal Standard Reduction
- ◇ 60% Coal Standard Reduction & 1.0% Oil Standard
- ◆ 90% Coal Standard Reduction & 0.6% Oil Standard

For the scenarios requiring reduction of oil emissions, there is an increase in fuel costs when the burning of higher priced, lower sulphur oil is required in 1996.

The tax was sufficient to pay for the cost of pollution control equipment in all cases. In Case 4, for example, the Fund has a $1.4 billion balance after completing construction of 60 percent sulphur removal equipment for New York's coal plants in 1995.[4] However, this does not guarantee that the tax would be sufficient in other states as well. A significant part of the tax revenue in New York came from taxes on electricity produced from oil and natural gas (see Figure 6). This revenue, however, was only used to pay for pollution control equipment on coal power plants. A state with a much higher percentage of coal fired power plants would not have this added revenue, and therefore might have more trouble meeting the cost of installing the pollution control equipment.

The source of the revenues poses a dilemma for operators of existing high-cost sulphur avoidance facilities. The stated purpose of the bill is to tax electricity produced from fossil fuel with the revenues going to pay the cost of the retrofit pollution control equipment. The tax is placed on electricity generated from fossil fuel sources alone because, unlike hydro or nuclear power, they create the air pollution. The result of this is to generate enough money to reduce emissions in 1996 and to provide a slight disincentive to the burning of fossil fuels with their resultant emissions in the mean time. However, the bill would tax electricity produced by burning

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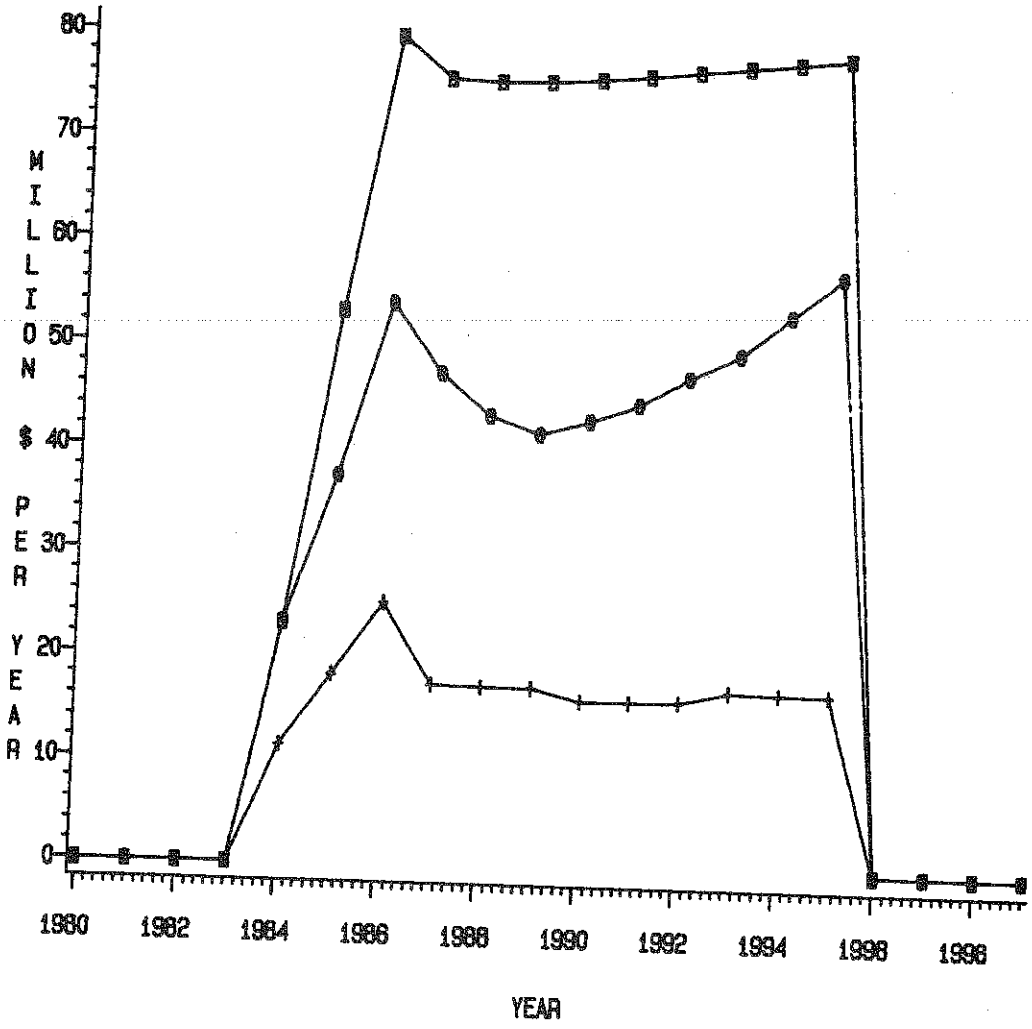
4. See Appendix page B-11.

FIGURE 6: TAX REVENUE BY FUEL TYPE ($ MILLION)



□ Revenue From Coal Power

◇ Revenue From Oil Power

\+ Revenue From Natural Gas Power

natural gas, a source which does not produce significant nitrogen or sulphur oxides. The bill would also tax electricity from coal and oil plants which are already paying a premium for reduced emissions. These sources include the new coal plant being built in New York which will be emitting sulphur dioxide at less than 0.6 pounds/MBtu and a large percentage of the oil capacity which is already paying a premium for low sulphur oil. Over 65 percent of New York's total oil capacity already burns oil with less than a 1.0 percent sulphur content, and more than 40 percent of the oil capacity burns oil with less than 0.6 percent sulphur content.

The presence of oil emissions also poses another problem. Most of the oil plants which have reduced their emissions to date have done so by burning lower sulphur oil rather than installing some form of emission reduction technology. If this is the trend that will continue into the future, any oil plant that reduces its emissions will first be taxed to pay for control technology on coal plants and then have its fuel price increase when it starts paying for lower sulphur oil. Furthermore, if the oil plant is going to have to reduce its emissions by burning low sulphur oil later, what is the benefit of waiting? It is not obvious that the electricity from natural gas and oil plants should be taxed differently than the electricity from nuclear or hydro power.

* * *

In summary, the main conclusion is that, if the New York coal plants had their emissions reduced by only 60 percent in the late 1990's and the tax was levied on all fossil fuel generated electricity, there would be a large portion of remaining tax revenue

to be used for pollution control equipment in other states. This, however, would only cause a 25 percent reduction from 1980 sulphur dioxide levels unless there is a reduction from oil plants also. If the required reduction by New York coal plants is closer to 90 percent there will be almost no money left over.

As presently defined, the tax would cause a only a small increase in the cost of electricity and have no noticeable impact on utility finance. The tax could be increased either for the purpose of ensuring that there would be enough funds to install the pollution control equipment wherever necessary, or for the purpose of installing the equipment at an earlier date.

Reference

Chapman, Duane, Timothy Mount, Martha Czerwinski, and Mark Younger, Air Pollution, Nuclear Power, and Electricity Demand: An Economic Perspective, presented at the Annual Meeting of the American Association for the Advancement of Science, May 1983.

End Note

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The author is a research specialist at Cornell University.

Appendix A. Plant and Fuel Data

Appendix B. Summary Output From Case 4: Coal Emission Standard Reduced 60 percent, Oil Standard reduced to 1 percent Sulphur Dioxide per Million Btu.

I. Financial Data

Balance Sheet

Income Statement

Retained Earnings

Federal Income Tax

Funds Provided and Applied

Regulatory Economics

Glenn Tax

Interest Coverage and Profitability Ratios

II. Operating Data

Current Demand

Revenue Received and Total Fuel Cost

Dispatch

Demand

Update Rates

Updating Rate Schedules

Average Fuel Prices

Generation, Capacity Summary

Fossil Fuel Consumption Summary

Total Residuals

	NAME	PLANT	PLANT CHARACTERISTICS FUEL	OWNER	SIZE MW	HT RATE MBTU/MWHR	O&M COST $/MWHR	SULPHUR STANDARDS S LB/ MBTU	S % BY WT	EST SO2 /MBTU	TSPSTD LB/MBTU
1	GOUDEY	ST. TURB	COAL	NYSEG	129.	10.999	4.39	1.90	0.0	3.80	0.10
2	GREENIDGE	ST. TURB	COAL	NYSEG	204.	11.715	4.69	1.90	0.0	3.80	0.10
3	HICKLING	ST. TURB	COAL	NYSEG	87.	14.049	3.78	1.90	0.0	3.80	0.10
4	JENNISON	ST. TURB	COAL	NYSEG	76.	13.926	5.66	1.90	0.0	3.80	0.10
5	MILLIKEN	ST. TURB	COAL	NYSEG	305.	9.435	1.88	1.90	0.0	3.80	0.10
6	HOMER CITY	ST. TURB	COAL	NYSEG	944.	10.346	2.75	2.00	0.0	4.00	0.10
7	HUNTLEY	ST. TURB	COAL	N.MOH	785.	10.657	2.61	1.40	0.0	2.80	0.10
8	DUNKIRK	ST. TURB	COAL	N.MOH	600.	10.305	3.04	1.90	0.0	3.80	0.10
9	RUSSELL	ST. TURB	COAL	RG&E	260.	10.617	3.95	1.90	0.0	3.80	0.10
10	BEEBEE 12	ST. TURB	COAL	RG&E	80.	9.740	-6.80	1.90	0.0	3.80	0.10
11	JAMESTOWN	ST. TURB	COAL	JAMES	60.	14.617	5.01	1.90	0.0	3.80	0.10
12	C. HUDSON MISC.	HYDRO	H20	C.HUD	46.	0.0	15.25	0.0	0.0	0.0	0.0
13	NYSEG MISC.	HYDRO	H20	NYSEG	38.	0.0	2.22	0.0	0.0	0.0	0.0
14	N.MOH 18 SITES	HYDRO	H20	N.MOH	436.	0.0	2.35	0.0	0.0	0.0	0.0
15	N.MOH MISC.	HYDRO	H20	N.MOH	220.	0.0	2.67	0.0	0.0	0.0	0.0
16	ORANGE & ROCKLAND	HYDRO	H20	ORANG	34.	0.0	11.16	0.0	0.0	0.0	0.0
17	MOSES NIAGARA	HYDRO	H20	PASNY	2400.	0.0	0.36	0.0	0.0	0.0	0.0
18	MASSENA	HYDRO	H20	PASNY	800.	0.0	0.35	0.0	0.0	0.0	0.0
19	RG&E MISC.	HYDRO	H20	RG&E	47.	0.0	3.12	0.0	0.0	0.0	0.0
20	INDIAN PT 2	NUCLEAR	NUCL	CONED	849.	11.986	7.77	0.0	0.0	0.0	0.0
21	NINE MILE PT 1	NUCLEAR	NUCL	N.MOH	610.	10.617	2.08	0.0	0.0	0.0	0.0
22	FITZPATRICK	NUCLEAR	NUCL	PASNY	810.	10.233	7.69	0.0	0.0	0.0	0.0
23	INDIAN PT 3	NUCLEAR	NUCL	PASNY	855.	11.182	16.37	0.0	0.0	0.0	0.0
24	GINNA	NUCLEAR	NUCL	RG&E	470.	10.950	6.15	0.0	0.0	0.0	0.0
25	ROSETON	ST. TURB	OIL6	MULT.	1193.	9.852	1.06	0.0	2.00	2.05	0.0
26	DANSK N.3-4	ST. TURB	OIL6	C.HUD	352.	10.535	2.76	0.0	1.00	1.03	0.0
27	DANSK N.1-2	ST. TURB	GAS	C.HUD	124.	10.535	2.76	0.0	0.0	0.0	0.0
28	ARTHUR KILL	ST. TURB	OIL6	CONED	826.	10.686	5.13	0.0	1.50	1.56	0.0
29	ASTORIA N.4-5	ST. TURB	OIL6	CONED	766.	11.249	6.74	0.0	0.30	0.31	0.0
30	ASTORIA N.1-3	ST. TURB	GAS	CONED	685.	12.025	6.74	0.0	0.0	0.0	0.0
31	BOWLINE (A)	ST. TURB	OIL6	MULT.	1063.	10.071	2.03	0.0	0.60	0.62	0.0
32	BOWLINE (B)	ST. TURB	GAS	MULT.	139.	10.071	2.03	0.0	0.0	0.0	0.0
33	EAST RIVER (A)	ST. TURB	OIL6	CONED	211.	13.377	12.12	0.0	0.30	0.31	0.0
34	EAST RIVER (B)	ST. TURB	GAS	CONED	215.	13.377	12.12	0.0	0.0	0.0	0.0
35	HUDSON AVE.	ST. TURB	OIL6	CONED	368.	16.893	40.00	0.0	0.30	0.31	0.0
36	RAVENS. N.3	ST. TURB	OIL6	CONED	928.	10.787	3.59	0.0	1.50	1.56	0.0
37	RAVENS. N.1&2	ST. TURB	GAS	CONED	770.	10.677	3.59	0.0	0.0	0.0	0.0
38	WATERSIDE (A)	ST. TURB	OIL6	CONED	145.	16.964	19.75	0.0	0.30	0.31	0.0
39	WATERSIDE (B)	ST. TURB	GAS	CONED	153.	16.964	19.75	0.0	0.0	0.0	0.0
40	59TH STREET	ST. TURB	OIL6	CONED	92.	14.006	29.37	0.0	0.30	0.31	0.0
41	74TH STREET	ST. TURB	OIL6	CONED	147.	20.166	40.00	0.0	0.30	0.31	0.0
42	NORTHPORT	ST. TURB	OIL6	LILCO	1480.	10.158	2.36	0.0	2.29	2.32	0.0
43	PORT JEFF	ST. TURB	OIL6	LILCO	476.	10.514	3.45	0.0	2.80	2.83	0.0
44	GLENWOOD (A)	ST. TURB	OIL6	LILCO	45.	11.928	6.68	0.0	1.00	1.04	0.0
45	GLENWOOD (B)	ST. TURB	GAS	LILCO	179.	11.928	6.68	0.0	0.0	0.0	0.0
46	BARRETT (A)	ST. TURB	OIL6	LILCO	51.	10.693	2.85	0.0	1.54	1.61	0.0
47	BARRETT (B)	ST. TURB	GAS	LILCO	329.	10.693	2.85	0.0	0.0	0.0	0.0
48	FAR ROCKAWAY	ST. TURB	OIL6	LILCO	112.	11.850	46.35	0.0	0.30	0.31	0.0
49	OSWEGO 1-5	ST. TURB	OIL6	N.MOH	1175.	11.323	6.39	0.0	2.28	2.37	0.0
50	OSWEGO 6	ST. TURB	OIL6	MULT.	850.	10.927	6.39	0.0	1.00	1.04	0.0
51	ALBANY	ST. TURB	OIL6	N.MOH	400.	10.352	1.73	0.0	1.00	1.03	0.0
52	LOVETT (A)	ST. TURB	OIL6	ORANG	95.	11.121	2.71	0.0	0.37	0.39	0.0
53	LOVETT (B)	ST. TURB	GAS	ORANG	406.	11.121	2.71	0.0	0.0	0.0	0.0
54	ASTORIA 6	ST. TURB	OIL6	PASNY	825.	10.155	2.41	0.0	0.30	0.31	0.0
55	BEEBEE 1	ST. TURB	OIL6	RG&E	93.	9.740	-6.80	0.0	2.00	2.04	0.0

	NAME	PLANT	PLANT CHARACTERISTICS FUEL	OWNER	SIZE MW	HT RATE MBTU/MWHR	O&M COST $/MWHR	SULPHUR STANDARDS S LB/ MBTU	S % BY WT	EST SO2 /MBTU	TSPSTD LB/MBTU
56	COXS. PEAK. (A)	COMBUST.	OIL2	C.HUD	12.	13.496	15.10	0.0	0.0	0.0	0.0
57	COXS. PEAK. (B)	COMBUST.	GAS	C.HUD	7.	13.496	15.10	0.0	0.0	0.0	0.0
58	S. CAIRO PEAK.	COMBUST.	OIL2	C.HUD	19.	14.339	31.55	0.0	0.0	0.0	0.0
59	ARTHUR KILL PEAK.	COMBUST.	OIL2	CONED	16.	18.312	164.30	0.0	0.0	0.0	0.0
60	ASTORIA PEAK. (A)	COMBUST.	OIL2	CONED	515.	16.166	23.37	0.0	0.0	0.0	0.0
61	ASTORIA PEAK. (B)	COMBUST.	GAS	CONED	100.	16.166	23.37	0.0	0.0	0.0	0.0
62	GOWANUS PEAK.	COMBUST.	OIL2	CONED	477.	16.893	81.50	0.0	0.0	0.0	0.0
63	HUDSON AVE. PEAK.	COMBUST.	OIL2	CONED	68.	17.910	400.00	0.0	0.0	0.0	0.0
64	BUCHANAN PEAK.	COMBUST.	OIL2	CONED	45.	19.124	400.00	0.0	0.0	0.0	0.0
65	KENT GT. PEAK.	COMBUST.	OIL2	CONED	9.	17.683	280.00	0.0	0.0	0.0	0.0
66	NARROWS PEAK. (A)	COMBUST.	OIL2	CONED	75.	18.325	55.50	0.0	0.0	0.0	0.0
67	NARROWS PEAK. (B)	COMBUST.	GAS	CONED	197.	18.325	55.50	0.0	0.0	0.0	0.0
68	RAVENS. PEAK. (A)	COMBUST.	OIL2	CONED	107.	16.003	38.12	0.0	0.0	0.0	0.0
69	RAVENS. PEAK. (B)	COMBUST.	GAS	CONED	300.	16.003	38.12	0.0	0.0	0.0	0.0
70	WATERSIDE PEAK.	COMBUST.	OIL2	CONED	11.	18.671	225.00	0.0	0.0	0.0	0.0
71	59TH STREET PEAK.	COMBUST.	OIL2	CONED	34.	18.076	80.65	0.0	0.0	0.0	0.0
72	74TH STREET PEAK.	COMBUST.	OIL2	CONED	34.	22.390	250.00	0.0	0.0	0.0	0.0
73	NORTHPORT 6T PEAK.	COMBUST.	OIL2	LILCO	16.	33.185	450.00	0.0	0.0	0.0	0.0
74	PORT JEFF PEAK.	COMBUST.	OIL2	LILCO	16.	26.071	120.00	0.0	0.0	0.0	0.0
75	GLENNWOOD PEAK.	COMBUST.	OIL2	LILCO	114.	14.844	24.10	0.0	0.0	0.0	0.0
76	BARRETT PEAK. (A)	COMBUST.	OIL2	LILCO	52.	17.746	31.21	0.0	0.0	0.0	0.0
77	BARRETT PEAK. (B)	COMBUST.	GAS	LILCO	220.	17.746	31.21	0.0	0.0	0.0	0.0
78	SHOREHAM PEAK.	COMBUST.	OIL2	LILCO	46.	16.368	8.10	0.0	0.0	0.0	0.0
79	W. BABYLON PEAK.	COMBUST.	OIL2	LILCO	63.	20.839	23.00	0.0	0.0	0.0	0.0
80	SOUTHOLD PEAK.	COMBUST.	OIL2	LILCO	14.	26.076	90.00	0.0	0.0	0.0	0.0
81	SOUTHAMPTON PEAK.	COMBUST.	OIL2	LILCO	11.	17.100	2000.00	0.0	0.0	0.0	0.0
82	E. HAMPTON PEAK.	COMBUST.	OIL2	LILCO	20.	16.792	42.00	0.0	0.0	0.0	0.0
83	HOLBROOK PEAK.	COMBUST.	OIL2	LILCO	465.	14.862	15.23	0.0	0.0	0.0	0.0
84	ALBANY PEAK. (A)	COMBUST.	OIL2	N.MOH	48.	16.440	21.00	0.0	0.0	0.0	0.0
85	ALBANY PEAK. (B)	COMBUST.	GAS	N.MOH	79.	16.440	21.00	0.0	0.0	0.0	0.0
86	ROTTERDAM PEAK. (A)	COMBUST.	OIL2	N.MOH	12.	18.822	11.56	0.0	0.0	0.0	0.0
87	ROTTERDAM PEAK. (B)	COMBUST.	GAS	N.MOH	98.	18.822	11.56	0.0	0.0	0.0	0.0
88	SHOEMAKER PEAK. (A)	COMBUST.	OIL2	ORANG	7.	21.113	110.00	0.0	0.0	0.0	0.0
89	SHOEMAKER PEAK. (B)	COMBUST.	GAS	ORANG	30.	21.113	110.00	0.0	0.0	0.0	0.0
90	HILLBURN PEAK.	COMBUST.	OIL2	ORANG	37.	23.013	110.00	0.0	0.0	0.0	0.0
91	BEEBEE PEAK.	COMBUST.	OIL2	RG&E	14.	16.570	38.00	0.0	0.0	0.0	0.0
92	STATION 9 PEAK.	COMBUST.	GAS	RG&E	15.	14.420	0.44	0.0	0.0	0.0	0.0
93	INDIAN POINT PEAK.	COMBUST.	OIL2	CONED	17.	33.200	1700.00	0.0	0.0	0.0	0.0
94	SHOREHAM	NUCLEAR	NUCL	LILCO	809.	11.032	8.01	0.0	0.0	0.0	0.0
95	SOMERSET	ST. TURB	COAL	NYSEG	625.	10.500	7.79	0.30	0.0	0.60	0.10
96	NINE MILE PT 2	NUCLEAR	NUCL	N.MOH	1080.	11.032	8.01	0.0	0.0	0.0	0.0

CAPACITY BY PLANT TYPE

PLANT	MW
ST. TURB	18848.
HYDRO	4021.
P. STOR.	0.
NUCLEAR	5483.
COMBUST.	3420.
DIESEL	0.
TOTAL	31772.

FUEL CHARACTERISTICS

	NAME	FUEL	PLANT	SULPH FRAC	EST SO2 /MBTU	ASH FRAC	HEAT VAL MBTU	PRICE DOL.	PRICE $/MBTU	FUEL COST $/MWHR	GEN COST $/MWHR
1	GOUDEY	COAL	D101	0.0196	3.3547	0.1850	23.37/TON	30.99/TON	1.33	14.59	18.98
2	GREENIDGE	COAL	D102	0.0209	3.4906	0.1540	23.95/TON	33.12/TON	1.38	16.20	20.89
3	HICKLING	COAL	D103	0.0084	1.5013	0.2280	22.38/TON	24.37/TON	1.09	15.30	19.08
4	JENNISON	COAL	D104	0.0090	1.6356	0.2370	22.01/TON	26.41/TON	1.20	16.71	22.37
5	MILLIKEN	COAL	D105	0.0185	3.1303	0.1550	23.64/TON	34.65/TON	1.47	13.83	15.71
6	HOMER CITY	COAL	D106	0.0214	3.7266	0.1700	22.97/TON	27.88/TON	1.21	12.56	15.31
7	HUNTLEY	COAL	D107	0.0153	2.3749	0.1120	25.77/TON	43.50/TON	1.69	17.99	20.60
8	DUNKIRK	COAL	D108	0.0214	3.3529	0.1080	25.53/TON	36.51/TON	1.43	14.74	17.78
9	RUSSELL	COAL	D109	0.0237	3.7574	0.1200	25.23/TON	37.94/TON	1.50	15.97	19.92
10	BEEBEE 12	COAL	D110	0.0275	4.4552	0.0900	24.69/TON	36.49/TON	1.48	14.40	7.60
11	JAMESTOWN	COAL	D111	0.0222	3.7468	0.1320	23.70/TON	29.74/TON	1.25	18.34	23.35
12	C. HUDSON MISC.	H20	D112	0.0	0.0	0.0	1.00	0.0	0.0	0.0	15.25
13	NYSEG MISC.	H20	D113	0.0	0.0	0.0	1.00	0.0	0.0	0.0	2.22
14	N.MOH 18 SITES	H20	D114	0.0	0.0	0.0	1.00	0.0	0.0	0.0	2.35
15	N.MOH MISC.	H20	D115	0.0	0.0	0.0	1.00	0.0	0.0	0.0	2.67
16	ORANGE & ROCKLAND	H20	D116	0.0	0.0	0.0	1.00	0.0	0.0	0.0	11.16
17	MOSES NIAGARA	H20	D117	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.36
18	MASSENA	H20	D118	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.35
19	RG&E MISC.	H20	D119	0.0	0.0	0.0	1.00	0.0	0.0	0.0	3.12
20	INDIAN PT 2	NUCL	D121	0.0	0.0	0.0	66.40/GM	29.21/GM	0.44	5.27	13.04
21	NINE MILE PT 1	NUCL	D122	0.0	0.0	0.0	135.80/GM	37.16/GM	0.27	2.91	4.99
22	FITZPATRICK	NUCL	D123	0.0	0.0	0.0	58.21/GM	13.36/GM	0.23	2.35	10.04
23	INDIAN PT 3	NUCL	D124	0.0	0.0	0.0	49.16/GM	17.61/GM	0.36	4.01	20.38
24	GINNA	NUCL	D125	0.0	0.0	0.0	68.00/GM	38.45/GM	0.57	6.19	12.34
25	ROSETON	OIL6	D126	0.0181	1.8518	0.0	6.24/BBL	22.17/BBL	3.55	35.00	36.06
26	DANSK N.3-4	OIL6	D127	0.0094	0.9684	0.0	6.20/BBL	26.55/BBL	4.28	45.14	47.90
27	DANSK N.1-2	GAS	D128	0.0	0.0	0.0	1.01/KCF	2.64/KCF	2.61	27.46	30.22
28	ARTHUR KILL	OIL6	D129	0.0064	0.6641	0.0	6.15/BBL	30.04/BBL	4.88	52.18	57.31
29	ASTORIA N.4-5	OIL6	D130	0.0029	0.3017	0.0	6.14/BBL	30.36/BBL	4.95	55.65	62.39
30	ASTORIA N.1-3	GAS	D131	0.0	0.0	0.0	1.04/KCF	2.79/KCF	2.67	32.14	38.88
31	BOWLINE (A)	OIL6	D132	0.0050	0.5163	0.0	6.18/BBL	28.14/BBL	4.55	45.84	47.87
32	BOWLINE (B)	GAS	D133	0.0	0.0	0.0	1.03/KCF	2.54/KCF	2.47	24.84	26.87
33	EAST RIVER (A)	OIL6	D134	0.0029	0.3018	0.0	6.14/BBL	30.01/BBL	4.89	65.43	77.55
34	EAST RIVER (B)	GAS	D135	0.0	0.0	0.0	1.04/KCF	2.62/KCF	2.53	33.83	45.95
35	HUDSON AVE.	OIL6	D136	0.0030	0.3128	0.0	6.12/BBL	30.36/BBL	4.96	83.78	123.78
36	RAVENS. N.3	OIL6	D137	0.0058	0.6022	0.0	6.15/BBL	30.24/BBL	4.92	53.05	56.64
37	RAVENS. N.1&2	GAS	D138	0.0	0.0	0.0	1.03/KCF	2.67/KCF	2.59	27.68	31.27
38	WATERSIDE (A)	OIL6	D139	0.0029	0.3018	0.0	6.13/BBL	30.13/BBL	4.91	83.33	103.08
39	WATERSIDE (B)	GAS	D140	0.0	0.0	0.0	1.04/KCF	2.78/KCF	2.66	45.17	64.92
40	59TH STREET	OIL6	D141	0.0029	0.3019	0.0	6.13/BBL	30.30/BBL	4.94	69.21	98.58
41	74TH STREET	OIL6	D142	0.0029	0.3020	0.0	6.13/BBL	30.14/BBL	4.92	99.14	139.14
42	NORTHPORT	OIL6	D143	0.0208	2.1097	0.0	6.29/BBL	22.50/BBL	3.57	36.31	38.67
43	PORT JEFF	OIL6	D144	0.0234	2.3633	0.0	6.32/BBL	22.32/BBL	3.53	37.13	40.58
44	GLENWOOD (A)	OIL6	D145	0.0062	0.6443	0.0	6.14/BBL	31.93/BBL	5.20	62.00	68.68
45	GLENWOOD (B)	GAS	D146	0.0	0.0	0.0	1.04/KCF	3.18/KCF	3.07	36.61	43.29
46	BARRETT (A)	OIL6	D147	0.0032	0.3346	0.0	6.11/BBL	31.10/BBL	5.09	54.46	57.31
47	BARRETT (B)	GAS	D148	0.0	0.0	0.0	1.03/KCF	3.14/KCF	3.03	32.44	35.29
48	FAR ROCKAWAY	OIL6	D149	0.0025	0.2623	0.0	6.08/BBL	31.35/BBL	5.15	61.06	107.41
49	OSWEGO 1-5	OIL6	D150	0.0098	1.0171	0.0	6.15/BBL	28.24/BBL	4.59	51.99	58.38
50	OSWEGO 6	OIL6	D151	0.0098	1.0171	0.0	6.15/BBL	28.24/BBL	4.59	50.17	56.56
51	ALBANY	OIL6	D152	0.0202	2.0719	0.0	6.22/BBL	26.98/BBL	4.33	44.87	46.60
52	LOVETT (A)	OIL6	D153	0.0029	0.3033	0.0	6.10/BBL	30.84/BBL	5.05	56.18	58.89
53	LOVETT (B)	GAS	D154	0.0	0.0	0.0	1.03/KCF	2.53/KCF	2.45	27.29	30.00
54	ASTORIA 6	OIL6	D155	0.0029	0.3017	0.0	6.14/BBL	30.36/BBL	4.95	50.24	52.65
55	BEEBEE 1	OIL6	D156	0.0197	2.0052	0.0	6.27/BBL	26.15/BBL	4.17	40.61	33.81

FUEL CHARACTERISTICS

	NAME	FUEL	PLANT	SULPH FRAC	EST SO2 /MBTU	ASH FRAC	HEAT VAL MBTU	PRICE DOL.	PRICE $/MBTU	FUEL COST $/MWHR	GEN COST $/MWHR
56	COXS. PEAK. (A)	OIL2	D157	0.0010	0.1130	0.0	5.65/BBL	25.71/BBL	4.55	61.42	76.52
57	COXS. PEAK. (B)	GAS	D158	0.0	0.0	0.0	1.01/KCF	2.75/KCF	2.71	36.64	51.74
58	S. CAIRO PEAK.	OIL2	D159	0.0050	0.5630	0.0	5.67/BBL	23.05/BBL	4.07	58.29	89.84
59	ARTHUR KILL PEAK.	OIL2	D160	0.0030	0.3322	0.0	5.77/BBL	23.73/BBL	4.12	74.55	238.85
60	ASTORIA PEAK. (A)	OIL2	D161	0.0020	0.2235	0.0	5.71/BBL	21.56/BBL	3.77	61.00	84.37
61	ASTORIA PEAK. (B)	GAS	D162	0.0	0.0	0.0	1.03/KCF	2.99/KCF	2.91	47.02	70.39
62	GOWANUS PEAK.	OIL2	D163	0.0020	0.2207	0.0	5.78/BBL	26.86/BBL	4.64	78.45	159.95
63	HUDSON AVE. PEAK.	OIL2	D164	0.0030	0.3354	0.0	5.71/BBL	23.90/BBL	4.18	74.95	474.95
64	BUCHANAN PEAK.	OIL2	D165	0.0020	0.2192	0.0	5.82/BBL	21.61/BBL	3.71	70.95	470.95
65	KENT GT. PEAK.	OIL2	D166	0.0003	0.0339	0.0	5.65/BBL	24.86/BBL	4.40	77.87	357.87
66	NARROWS PEAK. (A)	OIL2	D167	0.0020	0.2211	0.0	5.78/BBL	33.31/BBL	5.77	105.68	161.18
67	NARROWS PEAK. (B)	GAS	D168	0.0	0.0	0.0	1.03/KCF	2.73/KCF	2.64	48.38	103.88
68	RAVENS. PEAK. (A)	OIL2	D169	0.0020	0.2259	0.0	5.65/BBL	22.95/BBL	4.06	64.97	103.09
69	RAVENS. PEAK. (B)	GAS	D170	0.0	0.0	0.0	1.03/KCF	3.04/KCF	2.95	47.28	85.40
70	WATERSIDE PEAK.	OIL2	D171	0.0014	0.1581	0.0	5.65/BBL	19.54/BBL	3.46	64.54	289.54
71	59TH STREET PEAK.	OIL2	D172	0.0029	0.3286	0.0	5.63/BBL	24.26/BBL	4.31	77.84	158.49
72	74TH STREET PEAK.	OIL2	D173	0.0029	0.3301	0.0	5.61/BBL	24.83/BBL	4.43	99.13	349.13
73	NORTHPORT 6T PEAK.	OIL2	D174	0.0050	0.5478	0.0	5.83/BBL	22.35/BBL	3.84	127.28	577.28
74	PORT JEFF PEAK.	OIL2	D175	0.0050	0.5453	0.0	5.85/BBL	22.55/BBL	3.85	100.43	220.43
75	GLENNWOOD PEAK.	OIL2	D176	0.0013	0.1445	0.0	5.74/BBL	34.93/BBL	5.56	82.54	106.64
76	BARRETT PEAK. (A)	OIL2	D177	0.0032	0.3542	0.0	5.77/BBL	23.05/BBL	4.00	70.92	102.13
77	BARRETT PEAK. (B)	GAS	D178	0.0	0.0	0.0	1.03/KCF	3.66/KCF	3.55	63.06	94.27
78	SHOREHAM PEAK.	OIL2	D179	0.0015	0.1644	0.0	5.82/BBL	35.32/BBL	6.06	99.25	107.35
79	W. BABYLON PEAK.	OIL2	D180	0.0007	0.0768	0.0	5.82/BBL	32.12/BBL	5.52	115.01	138.01
80	SOUTHOLD PEAK.	OIL2	D181	0.0050	0.5466	0.0	5.84/BBL	24.94/BBL	4.27	111.36	201.36
81	SOUTHAMPTON PEAK.	OIL2	D182	0.0030	0.3282	0.0	5.84/BBL	20.75/BBL	3.56	60.81	2060.81
82	E. HAMPTON PEAK.	OIL2	D183	0.0015	0.1639	0.0	5.84/BBL	28.25/BBL	4.83	81.19	123.19
83	HOLBROOK PEAK.	OIL2	D184	0.0015	0.1645	0.0	5.82/BBL	34.12/BBL	5.86	87.10	102.33
84	ALBANY PEAK. (A)	OIL2	D185	0.0020	0.2226	0.0	5.74/BBL	19.70/BBL	3.43	56.46	77.46
85	ALBANY PEAK. (B)	GAS	D186	0.0	0.0	0.0	1.00/KCF	2.74/KCF	2.74	45.00	66.00
86	ROTTERDAM PEAK. (A)	OIL2	D187	0.0030	0.3316	0.0	5.77/BBL	33.26/BBL	5.76	108.40	119.96
87	ROTTERDAM PEAK. (B)	GAS	D188	0.0	0.0	0.0	1.03/KCF	2.67/KCF	2.59	48.79	60.35
88	SHOEMAKER PEAK. (A)	OIL2	D189	0.0002	0.0242	0.0	5.27/BBL	37.82/BBL	7.18	151.52	261.52
89	SHOEMAKER PEAK. (B)	GAS	D190	0.0	0.0	0.0	1.02/KCF	2.71/KCF	2.65	55.98	165.98
90	HILLBURN PEAK.	OIL2	D191	0.0002	0.0242	0.0	5.27/BBL	36.64/BBL	6.95	159.97	269.97
91	BEEBEE PEAK.	OIL2	D192	0.0050	0.4639	0.0	6.88/BBL	22.41/BBL	3.26	53.97	91.97
92	STATION 9 PEAK.	GAS	D193	0.0	0.0	0.0	1.02/KCF	2.68/KCF	2.62	37.74	38.18
93	INDIAN POINT PEAK.	OIL2	D194	0.0030	0.3126	0.0	6.13/BBL	30.00/BBL	4.90	162.59	1862.59
94	SHOREHAM	NUCL	D195	0.0	0.0	0.0	65.99/GM	32.16/GM	0.49	5.38	13.39
95	SOMERSET	COAL	D196	0.0024	0.3805	0.1200	25.23/TON	37.94/TON	1.50	15.79	23.58
96	NINE MILE PT 2	NUCL	D197	0.0	0.0	0.0	65.99/GM	32.16/GM	0.49	5.38	13.39

CAPACITY BY FUEL TYPE

FUEL	MW
COAL	4155.
OIL6	11692.
GAS	4047.
H20	4021.
NUCL	5483.
OIL2	2374.
TOTAL	31772.

BALANCE SHEET

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
ASSETS:										
ELEC UTIL PLT	14329.898	14518.027	14727.023	14959.199	18673.195	20259.238	20259.238	24945.199	24945.199	24945.199
(ACCUM DEPR)	4094.255	4509.055	4929.820	5357.223	5907.187	6502.477	7097.766	7849.254	8600.742	9352.227
NET ELEC PLT	10235.641	10008.973	9797.203	9601.977	12766.008	13756.762	13161.473	17095.945	16344.457	15592.973
CWIP	3680.600	4592.008	6177.324	7804.793	5146.387	4169.289	4685.961	0.0	0.0	0.0
TOT ELEC PL	13916.238	14600.980	15974.527	17406.770	17912.395	17926.051	17847.434	17095.945	16344.457	15592.973
OTHER ASSETS	3577.998	3577.998	3577.998	3577.998	3577.998	3577.998	3577.998	3577.998	3577.998	3577.998
CURR. ASSETS	2011.000	2131.661	2259.560	2395.134	2538.841	2691.171	2852.642	3023.799	3205.227	3397.540
TOTAL ASSETS	19505.234	20310.637	21812.082	23379.898	24029.230	24195.215	24278.070	23697.738	23127.680	22568.508
TOTAL CAPITALIZATION, LIABILITIES, CREDITS:										
PRIOR COM EQ	3849.500	4188.898	4737.289	5023.973	5206.156	5513.371	5458.008	5185.637	4925.141	4332.566
NEW COM EQ	339.400	548.391	286.684	182.184	307.215	-55.363	-272.371	-260.496	-592.574	-657.516
RETAINED EARN	2552.650	2630.516	2819.887	3152.288	2880.381	2809.907	3001.976	2691.995	2845.869	3086.352
TOT COM EQ	6741.547	7367.805	7843.859	8358.441	8393.750	8267.914	8187.609	7617.133	7178.434	6761.402
PRIOR PREF EQ	1898.600	2024.200	2137.901	2276.037	2425.352	2435.596	2399.083	2375.781	2210.248	2082.951
NEW PREF EQ	125.600	113.701	138.136	149.315	10.245	-36.513	-23.302	-165.534	-127.296	-121.010
TOT PREF EQ	2024.200	2137.901	2276.037	2425.352	2435.596	2399.083	2375.781	2210.248	2082.951	1961.942
LONG TERM DT	7740.398	8162.895	8690.320	9260.434	9299.551	9130.504	8941.172	8439.125	7953.086	7491.051
CURR LIABILS	1623.000	1720.381	1823.603	1933.019	2049.000	2171.940	2302.256	2440.391	2586.814	2742.022
ACCUM DEF ITC	301.200	306.292	310.939	315.141	525.616	613.566	591.395	811.076	780.565	750.054
AC DEF INC TX	328.731	615.364	867.322	1087.515	1325.721	1612.213	1879.859	2179.765	2545.832	2862.039
TOT LIABILS	19505.234	20310.629	21812.074	23379.895	24029.227	24195.211	24278.066	23697.730	23127.672	22568.504

FIRST YEAR ADJUSTMENT TO LIABILITIES 746.160

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BALANCE SHEET

ASSETS:	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
ELEC UTIL PLT	24945.199	24945.199	24945.199	24945.199	24945.199	24945.199	24945.199	24945.199	24945.199	24945.199
(ACCUM DEPR)	10103.711	10855.203	11606.691	12358.176	13109.660	13861.152	14612.641	15364.129	16115.617	16867.102
NET ELEC PLT	14841.488	14089.996	13338.508	12587.023	11835.539	11084.047	10332.559	9581.070	8829.582	8078.098
CWIP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT ELEC PL	14841.488	14089.996	13338.508	12587.023	11835.539	11084.047	10332.559	9581.070	8829.582	8078.098
OTHER ASSETS	3577.998	3577.998	3577.998	3577.998	3577.998	3577.998	3577.998	3577.998	3577.998	3577.998
CURR. ASSETS	3601.391	3817.476	4046.523	4289.312	4546.672	4819.473	5108.641	5415.160	5740.066	6084.473
TOTAL ASSETS	22020.875	21485.465	20963.023	20454.332	19960.207	19481.516	19019.195	18574.227	18147.645	17740.566
TOTAL CAPITALIZATION, LIABILITIES, CREDITS:										
PRIOR COM EQ	3675.051	3092.887	2620.828	2253.363	1980.836	1827.312	1734.395	1855.598	1855.598	2058.349
NEW COM EQ	-582.164	-472.059	-367.465	-272.527	-153.523	-92.918	121.203	0.0	202.751	0.0
RETAINED EARN	3276.655	3376.856	3385.536	3312.413	3171.437	2983.119	2593.636	2331.795	1889.957	1668.350
TOT COM EQ	6369.539	5997.684	5638.898	5293.246	4998.746	4717.512	4449.230	4187.391	3948.306	3726.698
PRIOR PREF EQ	1961.942	1848.236	1740.336	1636.228	1535.930	1450.476	1368.870	1291.024	1291.024	1145.671
NEW PREF EQ	-113.706	-107.900	-104.108	-100.297	-85.454	-81.606	-77.846	0.0	-145.353	0.0
TOT PREF EQ	1848.236	1740.336	1636.228	1535.930	1450.476	1368.870	1291.024	1291.024	1145.671	1145.671
LONG TERM DT	7056.898	6644.918	6247.414	5864.461	5538.184	5226.594	4929.363	4584.184	4374.379	4014.768
CURR LIABILS	2906.543	3080.937	3265.792	3461.739	3669.445	3889.610	4122.984	4370.367	4632.586	4910.543
ACCUM DEF ITC	719.542	689.031	658.520	628.008	597.497	566.986	536.474	505.963	475.452	444.940
AC DEF INC TX	3120.122	3332.566	3516.174	3670.946	3705.862	3711.941	3690.118	3635.304	3571.250	3497.956
TOT LIABILS	22020.871	21485.457	20963.020	20454.328	19960.199	19481.508	19019.191	18574.227	18147.641	17740.566

INCOME STATEMENT

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
ELEC OPER REV	6616.270	7292.105	7338.457	7603.391	7767.668	8611.992	9283.957	9680.965	10608.980	11037.918
OTHER OPER REV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL OPER REV	6616.270	7292.105	7338.457	7603.391	7767.668	8611.992	9283.957	9680.965	10608.980	11037.918
DIR ELEC OP EXP:										
PURCH POWER	295.625	420.988	623.606	755.451	879.216	1185.188	1332.356	1413.862	1594.743	1666.596
FUEL,COAL	296.238	323.088	341.601	453.828	469.898	582.229	622.769	635.002	679.017	728.040
FUEL,OIL	1524.878	1877.097	1715.352	1500.629	1378.894	1189.798	1238.552	1166.101	1161.457	1217.313
FUEL,NAT. GAS	434.652	512.509	469.648	514.857	559.418	503.236	515.302	395.258	436.162	482.753
FUEL,NUCLEAR	72.042	66.805	59.586	64.213	91.696	98.676	106.179	151.259	162.593	174.768
FUEL,OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAINT	450.046	459.332	436.248	435.280	479.861	509.314	531.767	597.912	629.697	665.996
GLN TAX,COAL	0.0	0.0	0.0	0.0	23.137	53.256	79.792	75.823	75.677	75.773
GLN TAX,OIL6	0.0	0.0	0.0	0.0	23.221	37.408	54.038	47.401	43.447	41.815
GLN TAX,N.GAS	0.0	0.0	0.0	0.0	11.325	18.232	25.182	17.362	17.316	17.316
GLN TAX,HYDRO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLN TAX,NUCL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLN TAX,OIL2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DEPRECIATION	409.426	414.801	420.772	427.405	549.977	595.292	595.292	751.491	751.491	751.491
OPER TAX EXP:										
INC TAX PAID	147.435	169.887	140.279	223.737	106.368	299.154	491.439	532.407	776.329	918.097
INC TAX DEF	328.731	286.633	251.958	220.193	238.206	286.491	267.646	299.906	366.067	316.207
INC TAX ADJ	41.224	66.354	121.882	111.827	48.762	17.344	4.397	0.0	0.0	0.0
INC TX REP	517.390	522.873	514.119	555.758	393.336	602.989	763.483	832.313	1142.396	1234.304
GROSS REC TAX	49.622	54.691	55.038	57.025	58.258	64.590	69.630	72.607	79.567	82.784
NON-INCOME TAX	564.188	551.694	538.904	525.818	658.868	704.079	673.100	804.053	777.145	740.238
ADMIN, OTH EXP	592.942	628.537	665.144	704.848	749.527	789.588	830.285	876.363	920.341	971.245
TOTAL OPER EXP	5207.047	5832.406	5840.008	5995.105	6326.621	6933.863	7437.703	7846.785	8471.035	8850.406
AFUDC-EQUITY	268.265	334.694	450.242	568.862	375.100	303.884	341.542	0.0	0.0	0.0
INCOME TX CRED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT OTHER INC	268.265	334.694	450.242	568.862	375.100	303.884	341.542	0.0	0.0	0.0
L TERM INT EXP	883.740	928.848	979.547	1042.837	1111.251	1115.944	1095.658	1072.938	1012.692	954.367
OTHER INTEREST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(AFUDC-DEBT)	99.188	123.749	166.471	210.330	138.689	112.357	126.281	0.0	0.0	0.0
TOTAL INT EXP	784.552	805.098	813.075	832.508	972.562	1003.587	969.377	1072.938	1012.692	954.367
NET INCOME	892.936	989.295	1135.616	1344.639	843.585	978.426	1218.419	761.242	1125.253	1233.145

INCOME STATEMENT

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
ELEC OPER REV	11311.406	11574.547	11889.500	12282.020	12767.914	13367.695	14073.730	15103.781	16102.375	17440.754
OTHER OPER REV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL OPER REV	11311.406	11574.547	11889.500	12282.020	12767.914	13367.695	14073.730	15103.781	16102.375	17440.754
DIR ELEC OP EXP:										
PURCH POWER	1705.560	1734.744	1765.592	1803.698	1852.759	1916.950	1995.723	2124.683	1378.908	1488.265
FUEL,COAL	782.168	841.706	906.854	977.756	1054.189	1135.947	1223.744	1315.615	1452.462	1555.618
FUEL,OIL	1379.066	1565.938	1811.984	2074.636	2453.782	2883.232	2866.534	3302.465	4941.711	5494.973
FUEL,NAT. GAS	492.394	544.990	608.091	723.550	795.032	879.312	1738.041	1922.802	2130.456	2352.532
FUEL,NUCLEAR	187.843	201.886	216.968	233.164	250.556	269.233	289.287	310.821	333.941	358.764
FUEL,OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAINT	703.908	748.450	797.258	853.167	913.355	978.131	1253.463	1342.140	1493.317	1591.094
GLN TAX,COAL	76.048	76.461	76.958	77.492	78.021	78.508	0.0	0.0	0.0	0.0
GLN TAX,OIL6	43.159	44.840	47.456	49.822	53.659	57.460	0.0	0.0	0.0	0.0
GLN TAX,N.GAS	16.169	16.169	16.282	17.316	17.227	17.227	0.0	0.0	0.0	0.0
GLN TAX,HYDRO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLN TAX,NUCL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLN TAX,OIL2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DEPRECIATION	751.491	751.491	751.491	751.491	751.491	751.491	751.491	751.491	751.491	751.491
OPER TAX EXP:										
INC TAX PAID	970.776	967.119	926.918	875.948	910.891	859.551	866.601	716.427	516.574	602.607
INC TAX DEF	258.083	212.444	183.609	154.773	34.916	6.080	-21.823	-54.813	-64.053	-73.294
INC TAX ADJ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INC TX REP	1228.858	1179.563	1110.526	1030.720	945.807	865.631	644.778	661.614	452.521	529.313
GROSS REC TAX	84.836	86.809	89.171	92.115	95.759	100.258	105.553	113.278	120.768	130.806
NON-INCOME TAX	703.330	666.423	629.515	592.608	555.700	518.793	481.885	444.978	408.071	371.163
ADMIN, OTH EXP	1030.926	1099.391	1176.150	1260.670	1352.392	1450.618	1554.969	1661.538	1773.255	1886.285
TOTAL OPER EXP	9185.730	9558.844	10004.273	10538.180	11169.707	11902.766	12905.453	13951.410	15236.883	16510.289
AFUDC-EQUITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCOME TX CRED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOT OTHER INC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
L TERM INT EXP	898.922	846.824	797.386	749.686	703.731	664.578	627.187	591.519	550.097	524.921
OTHER INTEREST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(AFUDC-DEBT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL INT EXP	898.922	846.824	797.386	749.686	703.731	664.578	627.187	591.519	550.097	524.921
NET INCOME	1226.753	1168.879	1087.841	994.154	894.476	800.352	541.091	560.852	315.395	405.544

RETAINED EARNINGS

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
JANUARY 1 BAL	2554.700	2552.650	2630.516	2819.887	3152.288	2880.381	2809.907	3001.976	2691.995	2845.869
NET INCOME	892.936	989.295	1135.616	1344.639	843.585	978.426	1218.419	761.242	1125.253	1233.145
(PREF DIVIDS)	256.311	273.266	288.616	307.264	327.421	328.804	323.874	320.728	298.384	281.195
(COM DIVIDS)	638.675	638.162	657.629	704.972	788.072	720.095	702.477	750.494	672.999	711.467
DECEMBR 31 BAL	2552.650	2630.516	2819.887	3152.288	2880.381	2809.907	3001.976	2691.995	2845.869	3086.352

RETAINED EARNINGS

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
JANUARY 1 BAL	3086.352	3276.655	3376.856	3385.536	3312.413	3171.437	2983.119	2593.636	2331.795	1889.957
NET INCOME	1226.753	1168.879	1087.841	994.154	894.476	800.352	541.091	560.852	315.395	405.544
(PREF DIVIDS)	264.859	249.508	234.942	220.887	207.347	195.810	184.794	174.284	174.284	154.662
(COM DIVIDS)	771.588	819.164	844.214	846.384	828.103	792.859	745.780	648.409	582.949	472.489
DECEMBR 31 BAL	3276.655	3376.856	3385.536	3312.413	3171.437	2983.119	2593.636	2331.795	1889.957	1668.350

FEDERAL INCOME TAX, CURRENT

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
TAXABLE INCOME										
TOT OPER REV	6616.270	7292.105	7338.457	7603.391	7767.668	8611.992	9283.957	9680.965	10608.980	11037.918
(DIR OP EXPS)	3073.480	3659.819	3646.040	3724.259	3916.666	4177.332	4505.926	4499.969	4800.102	5070.359
(ACCEL DEPR)	1042.174	954.956	883.876	819.122	935.867	1072.428	1031.461	1187.637	1331.465	1223.076
(GR REC TAX)	49.622	54.691	55.038	57.025	58.258	64.590	69.630	72.607	79.567	82.784
(PROP TAX)	564.188	551.694	538.904	525.818	658.868	704.079	673.100	814.053	777.145	740.238
(ST INC TAX)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(ADM,OTH EXP)	592.942	628.537	665.144	704.848	749.527	789.588	830.285	876.363	920.341	971.245
(INTERST EXP)	883.740	928.848	979.547	1042.837	1111.251	1115.944	1095.658	1072.938	1012.692	954.367
TOTAL	410.129	513.566	569.914	729.488	337.238	688.039	1077.906	1157.406	1687.672	1995.863
(INV TX CRED)	41.224	66.354	121.882	111.827	48.762	17.344	4.397	0.0	0.0	0.0
TOTAL TAX PD	147.435	169.887	140.279	223.737	106.368	299.154	491.439	532.407	776.329	918.097

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
TAXABLE INCOME										
TOT OPER REV	11311.406	11574.547	11889.500	12282.020	12767.914	13367.695	14073.730	15103.781	16102.375	17440.754
(DIR OP EXPS)	5386.305	5775.172	6247.434	6810.586	7468.566	8215.988	9366.785	10318.520	11730.785	12841.238
(ACCEL DEPR)	1096.718	997.504	934.817	872.131	811.572	548.885	488.227	416.510	396.422	376.333
(GR REC TAX)	84.836	86.809	89.171	92.115	95.759	100.258	105.553	113.278	120.768	130.806
(PROP TAX)	703.330	666.423	629.515	592.608	555.700	518.793	481.885	444.978	408.071	371.163
(ST INC TAX)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(ADM,OTH EXP)	1030.926	1099.391	1176.150	1260.670	1352.392	1450.618	1554.969	1661.538	1773.255	1886.285
(INTERST EXP)	898.922	846.824	797.386	749.686	703.731	664.578	627.187	591.519	550.097	524.921
TOTAL	2110.383	2102.434	2015.039	1904.234	1980.199	1868.590	1449.133	1557.449	1122.988	1310.016
(INV TX CRED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL TAX PD	970.776	967.119	926.918	875.948	910.891	859.551	666.601	716.427	516.574	602.607

FUNDS PROVIDED AND APPLIED

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
FUNDS PROVIDED										
NET INCOME	892.936	989.295	1135.616	1344.639	843.585	978.426	1218.419	761.242	1125.253	1233.145
DEPRECIATION	409.426	414.801	420.772	427.405	549.977	595.292	595.292	751.491	751.491	751.491
DEFERRED TAX	328.731	286.633	251.958	220.193	238.206	286.491	267.646	299.906	366.067	316.207
DEFERRED ITC	0.0	5.092	4.647	4.202	210.475	87.950	-22.171	219.681	-30.511	-30.511
LESS										
AFUDC-EQ	268.265	334.694	450.242	568.862	375.100	303.884	341.542	0.0	0.0	0.0
AFUDC-DEBT	99.188	123.749	166.471	210.330	138.689	112.357	126.281	0.0	0.0	0.0
NEW LT DEBT	375.900	529.926	647.750	704.879	190.055	0.0	0.0	0.0	0.0	0.0
NEW COM STOCK	339.400	548.391	286.684	182.184	307.215	-55.363	-272.371	-260.496	-592.574	-657.516
NEW PREF STCK	125.600	113.701	138.136	149.315	10.245	-36.513	-23.302	-165.534	-127.296	-121.010
OTHER,MISC	-811.254	-746.158	-0.004	-0.013	-0.014	-0.002	0.000	-0.001	-0.006	-0.004
TOT FDS PROV	1293.285	1683.236	2268.844	2253.613	1835.955	1440.039	1295.691	1606.288	1492.423	1491.802
FUNDS APPLIED:										
ADDNS,UTIL PL	765.752	1099.543	1794.313	1859.649	1055.588	608.947	516.681	0.0	0.0	0.0
ADDNS,POL CON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS										
AFUDC EQ	268.265	334.694	450.242	568.862	375.100	303.884	341.542	0.0	0.0	0.0
AFUDC DEBT	99.188	123.749	166.471	210.330	138.689	112.357	126.281	0.0	0.0	0.0
ADDNS,COAL FU										
ADDNS,NUC FU										
DEBT RETIREMT	0.0	107.429	120.324	134.762	150.936	169.044	189.329	502.043	486.039	462.035
PREF STK DIVS	256.311	273.266	288.616	307.264	327.421	328.804	323.874	320.728	298.381	281.195
COM STK DIVS	638.675	638.162	657.629	704.972	788.072	720.095	702.477	750.494	672.999	714.467
NOTES RETIRMT										
OTH EXPS,INV										
CHG,WORK CAP	0.0	23.280	24.677	26.157	27.727	29.390	31.154	33.023	35.005	37.105
TOT FDS APPL	1293.285	1683.236	2268.844	2253.613	1835.955	1440.039	1295.691	1606.288	1492.423	1491.802

FUNDS PROVIDED AND APPLIED

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FUNDS PROVIDED										
NET INCOME	1226.753	1168.879	1087.841	994.154	894.476	800.352	541.091	560.852	315.395	405.544
DEPRECIATION	751.491	751.491	751.491	751.491	751.491	751.491	751.491	751.491	751.491	751.491
DEFERRED TAX	258.083	212.444	183.609	154.773	34.916	6.080	-21.823	-54.813	-64.053	-73.294
DEFERRED ITC	-30.512	-30.511	-30.511	-30.511	-30.512	-30.511	-30.511	-30.511	-30.511	-30.511
LESS										
AFUDC-EQ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AFUDC-DEBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEW LT DEBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEW COM STOCK	-582.164	-472.059	-367.465	-272.527	-153.523	-92.918	121.203	0.0	202.754	0.0
NEW PREF STCK	-113.706	-107.900	-104.108	-100.297	-85.454	-81.606	-77.846	0.0	-145.353	0.0
OTHER,MISC	-0.015	-0.001	-0.004	-0.015	-0.013	0.007	-0.009	-0.012	0.006	-0.018
TOT FDS PROV	1509.929	1522.343	1520.852	1497.066	1411.381	1352.895	1283.594	1249.776	1557.537	1519.730
FUNDS APPLIED:										
ADDNS,UTIL PL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADDNS,POL CON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS										
AFUDC EQ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AFUDC DEBT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADDNS,COAL FU										
ADDNS,NUC FU										
DEBT RETIREMT	434.152	411.980	397.504	382.953	326.277	311.590	297.228	367.946	737.617	826.131
PREF STK DIVS	264.859	249.508	234.942	220.887	207.347	195.810	184.794	174.284	174.284	154.662
COM STK DIVS	771.588	819.164	844.214	846.384	828.103	792.859	745.780	648.409	582.949	472.489
NOTES RETIRMT										
OTH EXPS,INV										
CHG,WORK CAP	39.331	41.691	44.192	46.842	49.654	52.635	55.794	59.137	62.688	66.449
TOT FDS APPL	1509.929	1522.343	1520.852	1497.066	1411.381	1352.895	1283.594	1249.776	1557.537	1519.730

REGULATORY ECONOMICS

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
GRSS RATE BASE	14329.898	14518.027	14727.023	14959.199	18673.195	20259.238	20259.238	24945.199	24945.199	24945.199
RATE BASE ADJS										
CUM DEPREC	4094.255	4509.055	4929.820	5357.223	5907.187	6502.477	7097.766	7849.254	8600.742	9352.227
CUM DEF ITC	209.530	213.073	216.306	219.229	365.646	437.991	422.239	599.969	577.545	555.121
CUM DEF TAXES	178.063	329.268	461.271	576.168	706.115	893.773	1079.281	1273.243	1553.552	1803.017
TOTAL	4481.844	5051.391	5607.395	6152.613	6978.945	7834.234	8599.285	9722.465	10731.836	11710.363
NET RATE BASE	9848.043	9466.629	9119.621	8806.578	11694.242	12424.996	11659.945	15222.730	14213.355	13234.832
REVENUE ALLOWANCE										
FD INC TX ALL	470.001	476.496	484.050	492.793	757.017	844.309	815.299	1143.201	1094.702	1047.124
ST INC TX ALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER TAX	564.188	551.694	538.904	525.818	658.868	704.079	673.100	814.053	777.145	740.238
RETURN-DEBT	545.975	524.830	505.592	488.236	648.328	688.841	646.426	843.946	787.986	733.736
RETURN-COMMON	636.528	611.875	589.446	569.213	755.857	803.089	753.640	983.921	918.680	855.433
RETURN-PREF	160.868	154.637	148.969	143.855	191.025	202.961	190.464	248.661	232.173	216.189
DEPRECIATION	409.426	414.801	420.772	427.405	549.977	595.292	595.292	751.491	751.491	751.491
PURCH POWER	295.625	420.988	623.606	755.451	879.216	1185.188	1332.356	1413.862	1594.743	1666.596
FUEL-COAL	296.238	323.088	341.601	453.828	469.898	582.229	622.769	635.002	679.017	728.040
FUEL-OIL	1524.678	1877.097	1715.352	1500.629	1378.894	1189.798	1238.552	1166.101	1161.457	1217.313
FUEL-NAT. GAS	434.652	512.509	469.648	514.857	559.418	503.236	515.302	395.258	436.162	482.753
FUEL-NUCLEAR	72.042	66.805	59.586	64.213	91.696	98.676	106.179	151.259	162.593	174.768
FUEL-OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAINT EXPENSE	450.046	459.332	436.248	435.280	479.861	509.314	531.767	597.912	629.697	665.996
GLN TAX,COAL	0.0	0.0	0.0	0.0	23.137	53.256	79.792	75.823	75.677	75.773
GLN TAX,OIL6	0.0	0.0	0.0	0.0	23.221	37.408	54.038	47.401	43.447	41.815
GLN TAX,N.GAS	0.0	0.0	0.0	0.0	11.325	18.232	25.182	17.362	17.316	17.316
GLN TAX,HYDRO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLN TAX,NUCL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLN TAX,OIL2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADMIN,OTH EXP	592.942	628.537	665.144	704.848	749.527	789.588	830.285	876.363	920.341	971.245
TOTAL	6479.535	7051.117	7027.246	7105.074	8260.566	8841.137	9046.910	10202.742	10324.254	10427.863

REGULATORY ECONOMICS

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
GRSS RATE BASE	24945.199	24945.199	24945.199	24945.199	24945.199	24945.199	24945.199	24945.199	24945.199	24945.199
RATE BASE ADJS										
CUM DEPREC	10103.711	10855.203	11606.691	12358.176	13109.660	13861.152	14612.641	15364.129	16115.617	16867.102
CUM DEF ITC	532.698	510.274	487.850	465.427	443.003	420.579	398.155	375.732	353.308	330.885
CUM DEF TAXES	2012.270	2192.758	2360.308	2514.000	2561.920	2592.687	2606.468	2597.297	2584.879	2565.735
TOTAL	12648.676	13558.234	14454.844	15337.598	16114.578	16874.414	17617.258	18337.152	19053.801	19763.719
NET RATE BASE	12296.516	11386.957	10490.348	9607.594	8830.613	8070.777	7327.934	6608.039	5891.391	5184.473
REVENUE ALLOWANCE										
FD INC TX ALL	1001.181	956.149	910.999	865.850	827.098	788.680	750.635	713.418	670.024	621.058
ST INC TX ALL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER TAX	703.330	666.423	629.515	592.608	555.700	518.793	481.885	444.978	408.071	371.163
RETURN-DEBT	681.716	631.290	581.582	532.642	489.566	447.441	408.258	366.347	326.616	287.259
RETURN-COMMON	794.785	735.996	678.043	620.987	570.766	521.655	473.641	427.110	380.790	334.904
RETURN-PREF	200.861	186.003	171.357	156.937	144.245	131.834	119.699	107.940	96.234	84.637
DEPRECIATION	751.491	751.491	751.491	751.491	751.491	751.491	751.491	751.491	751.491	751.491
PURCH POWER	1705.560	1734.744	1765.592	1803.698	1852.759	1916.950	1995.723	2124.683	1378.908	1488.265
FUEL-COAL	782.168	841.706	906.854	977.756	1054.189	1135.947	1223.744	1315.615	1452.462	1555.618
FUEL-OIL	1379.066	1565.938	1811.984	2074.636	2453.782	2883.232	2866.534	3302.465	4941.711	5494.973
FUEL-NAT. GAS	492.394	544.990	608.091	723.550	795.032	879.312	1738.041	1922.802	2130.456	2352.532
FUEL-NUCLEAR	187.843	201.886	216.968	233.164	250.556	269.233	289.287	310.821	333.941	358.764
FUEL-OTHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAINT EXPENSE	703.908	748.450	797.258	853.167	913.355	978.131	1253.463	1342.140	1493.347	1591.094
GLN TAX,COAL	76.048	76.461	76.958	77.492	78.021	78.508	0.0	0.0	0.0	0.0
GLN TAX,OIL6	43.159	44.840	47.456	49.822	53.659	57.460	0.0	0.0	0.0	0.0
GLN TAX,N.GAS	16.169	16.169	16.282	17.316	17.227	17.227	0.0	0.0	0.0	0.0
GLN TAX,HYDRO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLN TAX,NUCL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLN TAX,OIL2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADMIN,OTH EXP	1030.926	1099.391	1176.150	1260.670	1352.392	1450.618	1554.969	1661.538	1773.255	1886.285
TOTAL	10593.305	10845.648	11191.695	11638.703	12209.059	12878.430	13961.664	14851.230	16202.605	17247.590

GLENN TAX

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
JANUARY 1 BAL	0.0	0.0	0.0	0.0	0.0	57.684	173.502	353.334	536.320	737.117
INTEREST	0.0	0.0	0.0	0.0	0.0	6.922	20.820	42.400	64.358	88.454
TAX - COAL	0.0	0.0	0.0	0.0	23.137	53.256	79.792	75.823	75.677	75.773
TAX - OIL6	0.0	0.0	0.0	0.0	23.221	37.408	54.038	47.401	43.447	41.815
TAX - N.GAS	0.0	0.0	0.0	0.0	11.325	18.232	25.182	17.362	17.316	17.316
TAX - HYDRO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TAX - NUCL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TAX - OIL2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(CONSTRUCT.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DECEMBR 31 BAL	0.0	0.0	0.0	0.0	57.684	173.502	353.334	536.320	737.117	960.474

GLENN TAX

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
JANUARY 1 BAL	960.474	1211.105	1493.906	1813.870	1709.298	1568.443	1385.281	1551.513	1737.693	1946.215
INTEREST	115.256	145.332	179.268	217.663	205.115	188.212	166.233	186.180	208.524	233.544
TAX - COAL	76.048	76.461	76.958	77.492	78.021	78.508	0.0	0.0	0.0	0.0
TAX - OIL6	43.159	44.840	47.456	49.822	53.659	57.460	0.0	0.0	0.0	0.0
TAX - N.GAS	16.169	16.169	16.282	17.316	17.227	17.227	0.0	0.0	0.0	0.0
TAX - HYDRO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TAX - NUCL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TAX - OIL2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(CONSTRUCT.)	0.0	0.0	0.0	466.864	494.876	524.569	0.0	0.0	0.0	0.0
DECEMBR 31 BAL	1211.105	1493.906	1813.870	1709.298	1568.443	1385.281	1551.513	1737.693	1946.215	2179.758

INTEREST COVERAGE AND PROFITABILITY RATIOS

INTEREST COVERAGE RATIOS

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
OPER INCOME	1.595	1.572	1.530	1.542	1.297	1.504	1.685	1.709	2.111	2.292
OP INC+INC TX	2.180	2.134	2.055	2.075	1.651	2.044	2.382	2.485	3.239	3.585
OPER INCOME + INC TX&DEPREC	2.643	2.581	2.484	2.485	2.146	2.578	2.925	3.186	3.981	4.373
INC BEFORE INT	1.898	1.932	1.989	2.088	1.634	1.776	1.997	1.709	2.111	2.292

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
OPER INCOME	2.365	2.380	2.364	2.326	2.271	2.204	1.863	1.948	1.573	1.773
OP INC+INC TX	3.732	3.773	3.757	3.701	3.615	3.507	2.891	3.067	2.396	2.784
OPER INCOME + INC TX&DEPREC	4.568	4.661	4.699	4.703	4.683	4.638	4.089	4.337	3.762	4.213
INC BEFORE INT	2.365	2.380	2.364	2.326	2.271	2.204	1.863	1.948	1.573	1.773

PROFITABILITY RATIOS

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
NET INCOME DIV BY EQUITY	0.102	0.104	0.112	0.125	0.078	0.092	0.115	0.077	0.121	0.141
ADJ NET INCOME DIV BY EQUITY	0.097	0.086	0.076	0.073	0.052	0.080	0.096	0.108	0.161	0.178
PRE INT NET INC DIV BY RBASE	0.164	0.179	0.199	0.227	0.142	0.144	0.166	0.107	0.131	0.140
ADJ PRE INT NET INC DIV BY RBASE	0.160	0.162	0.162	0.169	0.121	0.135	0.151	0.125	0.153	0.161

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
NET INCOME DIV BY EQUITY	0.149	0.151	0.150	0.146	0.139	0.134	0.094	0.102	0.062	0.083
ADJ NET INCOME DIV BY EQUITY	0.181	0.179	0.175	0.168	0.144	0.132	0.090	0.092	0.049	0.068
PRE INT NET INC DIV BY RBASE	0.143	0.143	0.141	0.139	0.135	0.132	0.113	0.120	0.098	0.115
ADJ PRE INT NET INC DIV BY RBASE	0.161	0.158	0.155	0.151	0.138	0.133	0.111	0.115	0.091	0.106

CURRENT DEMAND

YEAR	QUANTITY DEMANDED	PEAK LOAD	AV. PRICE CHARGED	CPI (=INFF)	REAL PRICE IN 1980 $
	BILLION KWH	MW	$/THOUS.KWH	1980 = 100	$/THOUS.KWH
1980	105.9	20873.4	62.5	100.0	62.5
1981	105.9	20562.1	68.9	106.0	65.0
1982	105.7	19940.9	69.4	112.4	61.8
1983	105.7	19595.8	71.9	119.1	60.4
1984	106.0	19330.2	73.3	126.2	58.0
1985	105.4	18686.6	81.7	133.8	61.1
1986	104.5	18371.1	88.8	141.9	62.6
1987	104.1	18194.5	93.0	150.4	61.9
1988	103.1	17901.4	102.9	159.4	64.6
1989	102.7	17769.9	107.5	168.9	63.6
1990	102.8	17764.0	110.0	179.1	61.4
1991	103.4	17860.4	111.9	189.8	59.0
1992	104.4	18030.1	113.9	201.2	56.6
1993	105.5	18248.1	116.4	213.3	54.6
1994	106.8	18493.0	119.5	226.1	52.9
1995	108.1	18744.9	123.7	239.7	51.6
1996	109.3	18992.3	128.8	254.0	50.7
1997	110.2	19178.5	137.1	269.3	50.9
1998	110.9	20409.1	145.1	285.4	50.9
1999	111.3	20508.9	156.7	302.6	51.8

REVENUE RECEIVED AND TOTAL FUEL COST

YEAR	FUEL COST	FUEL COST IN 1980 $	REVENUE RECEIVED	CPI (=INFF)	REV. REC. IN 1980 $
	MILLION $	MILLION $	MILLION $	1980 = 100	MILLION $
1980	2327.8	2327.8	6616.3	100.0	6616.3
1981	2779.5	2622.2	7292.1	106.0	6879.3
1982	2586.2	2301.7	7338.5	112.4	6531.2
1983	2533.5	2127.2	7603.4	119.1	6384.0
1984	2499.9	1980.2	7767.7	126.2	6152.7
1985	2373.9	1773.9	8612.0	133.8	6435.4
1986	2482.8	1750.3	9284.0	141.9	6544.8
1987	2347.6	1561.3	9681.0	150.4	6438.4
1988	2439.2	1530.4	10609.0	159.4	6656.2
1989	2602.9	1540.6	11037.9	168.9	6533.3
1990	2841.5	1586.7	11311.4	179.1	6316.2
1991	3154.5	1661.8	11574.5	189.8	6097.3
1992	3543.9	1761.2	11889.5	201.2	5908.7
1993	4009.1	1879.6	12282.0	213.3	5758.3
1994	4553.5	2014.0	12767.9	226.1	5647.3
1995	5167.7	2156.3	13367.7	239.7	5577.9
1996	6117.6	2408.2	14073.7	254.0	5540.1
1997	6851.7	2544.5	15103.8	269.3	5609.0
1998	8858.5	3103.5	16102.4	285.4	5641.4
1999	9761.9	3226.4	17440.7	302.6	5764.4

DISPATCH (BILLION KWH)

YEAR	PURCHASED POWER	STATE GENER. OF POWER	REQUIRED GENERATION	TOTAL SALES	LOSSES
1980	4.7	114.1	118.9	105.9	13.0
1981	6.1	112.8	118.9	105.9	13.0
1982	9.0	109.7	118.7	105.7	13.0
1983	10.5	108.1	118.6	105.7	13.0
1984	12.0	107.0	119.0	106.0	13.0
1985	14.5	103.8	118.3	105.4	12.9
1986	15.0	102.3	117.3	104.5	12.8
1987	15.2	101.6	116.8	104.1	12.8
1988	15.5	100.3	115.8	103.1	12.6
1989	15.5	99.7	115.2	102.7	12.6
1990	15.5	99.9	115.4	102.8	12.6
1991	15.5	100.6	116.1	103.4	12.7
1992	15.5	101.7	117.2	104.4	12.8
1993	15.5	103.0	118.5	105.5	12.9
1994	15.5	104.4	119.9	106.8	13.1
1995	15.5	105.8	121.3	108.1	13.3
1996	15.5	107.2	122.7	109.3	13.4
1997	15.5	108.2	123.7	110.2	13.5
1998	9.5	115.0	124.5	110.9	13.6
1999	9.5	115.5	125.0	111.3	13.7

DEMAND (BILLION KWH)

YEAR	RES.	COM.	IND.	TRANSP.	TOTAL SALES
1980	30.6	40.5	32.6	2.2	105.9
1981	31.1	39.5	33.2	2.1	105.9
1982	31.6	38.2	33.9	2.0	105.7
1983	31.6	37.5	34.6	2.0	105.7
1984	31.7	37.0	35.4	2.0	106.0
1985	31.2	36.4	35.8	1.9	105.4
1986	30.7	35.8	36.2	1.9	104.5
1987	30.3	35.3	36.6	1.9	104.1
1988	29.6	34.8	36.8	1.9	103.1
1989	29.2	34.4	37.2	1.8	102.7
1990	29.0	34.2	37.7	1.8	102.8
1991	28.9	34.2	38.5	1.8	103.4
1992	28.8	34.4	39.4	1.8	104.4
1993	28.7	34.6	40.3	1.9	105.5
1994	28.7	35.0	41.3	1.9	106.8
1995	28.6	35.3	42.3	1.9	108.1
1996	28.4	35.7	43.3	1.9	109.3
1997	28.2	36.0	44.0	1.9	110.2
1998	27.9	36.3	44.8	1.9	110.9
1999	27.6	36.4	45.3	2.0	111.3

UPDATE RATES - 1980 $

YEAR	NEW PRICE	FUEL COMPONENT	PURCHASED POWER COMPONENT	LABOR AND OP.&MAINT. COMPONENT	RETURN TO CAPITAL COMPONENT
	$/THOUS.KWH	$/THOUS.KWH	$/THOUS.KWH	$/THOUS.KWH	$/THOUS.KWH
1980	62.5	22.4	2.9	4.3	32.8
1981	65.0	25.6	3.9	4.2	31.2
1982	61.8	22.7	5.5	3.8	29.7
1983	60.4	21.5	6.4	3.7	28.7
1984	58.0	17.6	6.2	3.4	30.9
1985	61.1	16.4	8.2	3.5	33.0
1986	62.6	17.2	9.2	3.7	32.5
1987	61.9	14.2	8.6	3.6	35.4
1988	64.6	15.3	10.0	3.9	35.4
1989	63.6	15.9	10.2	4.1	33.5
1990	61.4	16.5	9.9	4.1	31.0
1991	59.0	17.1	9.4	4.1	28.3
1992	56.6	17.9	8.9	4.0	25.7
1993	54.6	18.8	8.5	4.0	23.3
1994	52.9	19.7	8.0	4.0	21.2
1995	51.6	20.7	7.7	3.9	19.3
1996	50.7	22.2	7.2	4.6	16.7
1997	50.9	23.5	7.3	4.6	15.5
1998	50.9	27.8	4.3	4.7	14.0
1999	51.8	29.3	4.5	4.8	13.2

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UPDATING RATE SCHEDULES

YEAR	AVERAGE PRICES				COST/CUSTOMER
	RES.	COM.	IND.	ALL	RES.
	(CENTS PER KWH)				($/YEAR)
1981	7.80	7.76	4.19	6.50	425.48
1982	7.43	7.44	3.96	6.18	409.98
1983	7.25	7.28	3.94	6.04	400.82
1984	6.95	6.98	3.87	5.80	384.70
1985	7.35	7.39	4.05	6.11	401.11
1986	7.57	7.60	4.16	6.26	405.70
1987	7.49	7.51	4.15	6.19	396.26
1988	7.86	7.87	4.32	6.46	407.11
1989	7.76	7.76	4.29	6.36	396.51
1990	7.50	7.49	4.18	6.14	379.88
1991	7.19	7.18	4.07	5.90	362.76
1992	6.90	6.88	3.96	5.66	347.07
1993	6.64	6.61	3.87	5.46	333.34
1994	6.43	6.39	3.80	5.29	321.76
1995	6.26	6.22	3.76	5.16	312.54
1996	6.15	6.09	3.74	5.07	305.17
1997	6.18	6.11	3.79	5.09	304.13
1998	6.17	6.08	3.82	5.09	301.05
1999	6.29	6.19	3.91	5.18	303.46

AVERAGE FUEL PRICES - 1980 $ ($/MBTU) (DISPATCHED PLANTS)

YEAR	NUCLEAR	COAL	DIST OIL	RES OIL	NAT GAS
1980	0.361294	1.402433	3.761261	4.080380	2.673910
1981	0.311252	1.461145	4.569224	4.944964	3.031211
1982	0.261252	1.470735	0.0	4.350374	3.288933
1983	0.265674	1.501884	0.0	4.455503	3.389629
1984	0.293310	1.514032	0.0	4.593376	3.546011
1985	0.297821	1.540425	0.0	4.682140	3.709743
1986	0.302377	1.556173	0.0	4.789267	3.878741
1987	0.327254	1.573750	0.0	4.875896	4.101087
1988	0.331902	1.590532	0.0	4.996190	4.283360
1989	0.336598	1.606806	0.0	5.132154	4.472725
1990	0.341340	1.622751	0.0	5.313590	4.642779
1991	0.346131	1.638976	0.0	5.480659	4.847917
1992	0.350969	1.656299	0.0	5.655760	5.064498
1993	0.355856	1.673614	0.0	5.819689	5.310682
1994	0.360793	1.691049	0.0	6.013276	5.542159
1995	0.365779	1.708653	0.0	6.209332	5.782888
1996	0.370814	1.725945	0.0	7.093687	5.969197
1997	0.375901	1.744724	0.0	7.282963	6.229978
1998	0.381039	1.768502	0.0	7.488792	6.502066
1999	0.386228	1.786786	0.0	7.695187	6.783895

GENERATION, CAPACITY SUMMARY

AVAILABLE (MW)

YEAR	COAL	OIL6	GAS	HYDRO	NUC	OIL2	TOTAL
1980	3530.	11692.	4047.	4021.	3594.	2374.	29258.
1981	3530.	11692.	4047.	4021.	3594.	2374.	29258.
1982	3530.	11692.	4047.	4021.	3594.	2374.	29258.
1983	3530.	11692.	4047.	4021.	3594.	2374.	29258.
1984	3530.	11692.	4047.	4021.	4403.	2374.	30067.
1985	4155.	11692.	4047.	4021.	4403.	2374.	30692.
1986	4155.	11692.	4047.	4021.	4403.	2374.	30692.
1987	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1988	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1989	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1990	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1991	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1992	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1993	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1994	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1995	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1996	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1997	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1998	4155.	11692.	4047.	4021.	5483.	2374.	31772.
1999	4155.	11692.	4047.	4021.	5483.	2374.	31772.

DISPATCHED (CAPACITY FACTOR)

COAL	OIL6	GAS	HYDRO	NUC	OIL2	TOTAL
0.64	0.33	0.39	0.77	0.57	0.05	0.45
0.64	0.33	0.38	0.77	0.58	0.01	0.44
0.63	0.33	0.32	0.77	0.58	0.0	0.43
0.77	0.27	0.33	0.77	0.58	0.0	0.42
0.75	0.23	0.32	0.77	0.58	0.0	0.41
0.73	0.18	0.26	0.77	0.58	0.0	0.39
0.73	0.18	0.24	0.77	0.58	0.0	0.38
0.69	0.15	0.16	0.77	0.58	0.0	0.37
0.69	0.14	0.16	0.77	0.58	0.0	0.36
0.69	0.14	0.16	0.77	0.58	0.0	0.36
0.70	0.14	0.15	0.77	0.58	0.0	0.36
0.70	0.15	0.15	0.77	0.58	0.0	0.36
0.70	0.15	0.15	0.77	0.58	0.0	0.37
0.71	0.16	0.16	0.77	0.58	0.0	0.37
0.71	0.17	0.16	0.77	0.58	0.0	0.38
0.72	0.19	0.16	0.77	0.58	0.0	0.38
0.72	0.15	0.30	0.77	0.58	0.0	0.39
0.73	0.16	0.30	0.77	0.58	0.0	0.39
0.75	0.22	0.30	0.77	0.58	0.0	0.41
0.75	0.23	0.30	0.77	0.58	0.0	0.41

GENERATION, ENERGY SUMMARY

PRODUCED (GWHR)

YEAR	COAL	OIL6	GAS	HYDRO	NUC	OIL2	TOTAL
1980	19935.	34146.	13906.	27141.	17872.	1136.	114135.
1981	19685.	33863.	13645.	27141.	18115.	308.	112756.
1982	19513.	33730.	11191.	27141.	18115.	0.	109689.
1983	23827.	27486.	11569.	27141.	18115.	0.	108138.
1984	23137.	23221.	11325.	27141.	22193.	0.	107017.
1985	26628.	18704.	9116.	27141.	22193.	0.	103782.
1986	26597.	18013.	8394.	27141.	22193.	0.	102338.
1987	25274.	15800.	5787.	27141.	27637.	0.	101639.
1988	25226.	14482.	5772.	27141.	27637.	0.	100257.
1989	25258.	13938.	5772.	27141.	27637.	0.	99745.
1990	25349.	14386.	5390.	27141.	27637.	0.	99903.
1991	25487.	14947.	5390.	27141.	27637.	0.	100601.
1992	25653.	15819.	5427.	27141.	27637.	0.	101676.
1993	25831.	16607.	5772.	27141.	27637.	0.	102987.
1994	26007.	17886.	5742.	27141.	27637.	0.	104413.
1995	26169.	19153.	5742.	27141.	27637.	0.	105842.
1996	26311.	15602.	10519.	27141.	27637.	0.	107208.
1997	26396.	16504.	10519.	27141.	27637.	0.	108196.
1998	27122.	22608.	10534.	27141.	27637.	0.	115041.
1999	27123.	23062.	10519.	27141.	27637.	0.	115480.

GENERATION, FUEL PRICE SUMMARY

PRODUCED ($/MWHR)

COAL	OIL6	GAS	HYDRO	NUC	OIL2	TOTAL
14.86	42.64	31.26	0.0	4.03	60.63	20.40
15.48	51.63	35.44	0.0	3.48	73.10	23.26
15.58	45.26	37.35	0.0	2.93	0.0	20.98
15.99	45.84	37.36	0.0	2.98	0.0	19.67
16.09	47.04	39.13	0.0	3.27	0.0	18.50
16.34	47.53	41.25	0.0	3.32	0.0	17.09
16.51	48.47	43.28	0.0	3.37	0.0	17.10
16.71	49.08	45.42	0.0	3.64	0.0	15.36
16.89	50.32	47.41	0.0	3.69	0.0	15.26
17.06	51.69	49.51	0.0	3.74	0.0	15.45
17.23	53.53	51.01	0.0	3.80	0.0	15.88
17.40	55.19	53.27	0.0	3.85	0.0	16.52
17.57	56.93	55.68	0.0	3.90	0.0	17.32
17.75	58.57	58.77	0.0	3.96	0.0	18.25
17.93	60.68	61.24	0.0	4.01	0.0	19.29
18.11	62.81	63.90	0.0	4.06	0.0	20.37
18.31	72.33	65.04	0.0	4.12	0.0	22.46
18.51	74.31	67.88	0.0	4.18	0.0	23.52
18.76	76.58	70.86	0.0	4.23	0.0	26.98
18.96	78.75	73.92	0.0	4.29	0.0	27.94

FOSSIL FUEL CONSUMPTION SUMMARY

(TRILLION BTU/YEAR)

YEAR	COAL	OIL	GAS	TOTAL
1980	211.86	355.07	162.33	729.26
1981	209.21	352.10	159.22	720.52
1982	207.30	349.51	127.08	683.89
1983	254.46	281.89	127.48	663.83
1984	246.53	237.11	124.91	608.55
1985	283.15	189.47	101.33	573.95
1986	282.82	181.99	93.62	558.43
1987	268.98	158.94	64.04	491.96
1988	268.48	145.77	63.83	478.08
1989	268.81	140.32	63.83	472.96
1990	269.76	144.84	59.20	473.80
1991	271.14	150.43	59.20	480.77
1992	272.71	159.12	59.65	491.47
1993	274.51	167.01	63.83	505.35
1994	276.32	180.30	63.40	520.03
1995	278.00	193.52	63.40	534.92
1996	279.74	159.03	114.61	553.38
1997	280.65	168.36	114.61	563.62
1998	288.35	231.12	114.78	634.25
1999	288.36	235.94	114.61	638.91
TOTAL	5281.12	4181.83	1914.94	11377.87

TOTAL RESIDUALS

1000 TONS/YR

	AIR					LAND	
YEAR	TSP	COAL SO2	OIL SO2	TOTAL SO2	NOX	ASH	SLUDGE
1980	10.59	323.94	259.19	583.13	0.0	307.95	0.0
1981	10.46	319.20	254.18	573.39	0.0	304.91	0.0
1982	10.36	316.14	256.32	572.47	0.0	302.29	0.0
1983	12.72	382.96	208.46	591.43	0.0	366.44	0.0
1984	12.33	372.79	172.13	544.92	0.0	355.53	0.0
1985	14.16	377.32	139.71	517.02	0.0	397.77	0.0
1986	14.14	376.95	137.00	513.95	0.0	397.43	0.0
1987	13.45	355.36	124.69	480.05	0.0	377.85	0.0
1988	13.42	354.47	117.42	471.89	0.0	376.95	0.0
1989	13.44	355.06	114.65	469.70	0.0	377.54	0.0
1990	13.49	356.74	115.93	472.67	0.0	379.24	0.0
1991	13.56	359.05	119.44	478.49	0.0	381.61	0.0
1992	13.64	361.37	124.85	486.23	0.0	384.08	0.0
1993	13.73	364.20	131.27	495.47	0.0	386.13	0.0
1994	13.82	367.09	140.43	507.52	0.0	387.98	0.0
1995	13.90	369.76	149.88	519.64	0.0	389.69	0.0
1996	13.99	182.36	64.55	246.91	0.0	392.95	26.96
1997	14.03	182.87	69.26	252.13	0.0	393.90	27.03
1998	14.42	186.37	95.78	282.15	0.0	402.19	27.48
1999	14.42	186.37	96.94	283.31	0.0	402.20	27.48
TOTAL	264.05	6450.17	2892.07	9342.23	0.0	7464.46	108.94