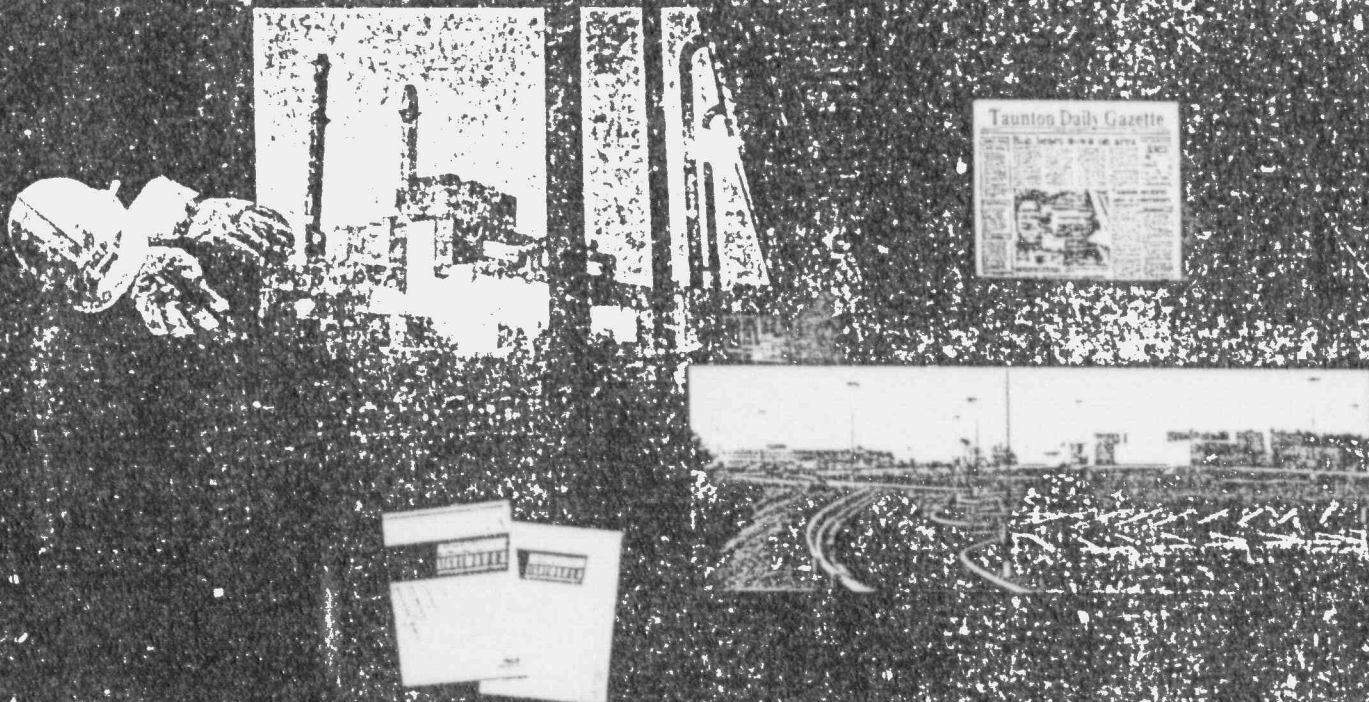


TAUNTON MUNICIPAL LIGHTING PLANT

*Annual Report 1991*



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*Projects and events that shaped our year*

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THIS ANNUAL REPORT IS DEDICATED TO MEMORY OF  
ROBERT J. LYCH III, 1949-1991



*Creative thinking, coupled with responsible risk-taking are re-*

IN THE PRACTICAL, FRUGAL NINETIES, IT ISN'T GENERALITIES THAT

*quired for the 1990's. Management must be willing to consider*

DEMONSTRATE A PUBLICLY OWNED UTILITY'S COMMITMENT TO ITS

*innovative solutions to power issues, while drawing on tested tech-*

MISSION. IT'S HOW WE CHOOSE TO SPEND OUR TIME EACH DAY.

*nology and proven policies . . . to meet the challenges of the future.*



# E

ACH YEAR PRESENTS NEW OPPORTUNITIES TO FULFILL OUR MISSION AS A PUBLICLY OWNED UTILITY. NINETEEN HUNDRED AND NINETY-ONE WAS NO EXCEPTION.

THERE CERTAINLY WAS "BUSINESS AS USUAL" AT TMLP IN 1991. OUR POWER PRODUCTION DEPARTMENT PRODUCED 184,131 MWH OF ELECTRICITY AND ACHIEVED A 89.3 PER CENT AVAILABILITY RATE. TRANSMISSION AND DISTRIBUTION INSTALLED 9 MILES OF LINES, 408 POLES, AND 188 TRANSFORMERS. ENERGY SERVICES AND PLANNING KEPT OUR RATES AMONG THE LOWEST IN NEW ENGLAND FOR YET ANOTHER YEAR. CUSTOMER SERVICE REPRESENTATIVES INSTALLED 394 NEW METERS AND FIELDIED AN AVERAGE OF 2,750 TELEPHONE INQUIRIES PER MONTH. IN ADDITION, THE UTILITY MADE ANOTHER RECORD-HIGH, IN-LIEU-OF-TAX CONTRIBUTION OF \$2.36 MILLION TO THE CITY OF TAUNTON, AND NEGOTIATED TWO NEW THREE-YEAR CONTRACTS WITH OUR EMPLOYEES' UNIONS.

BUT THE "REAL STORIES" OF 1991 WERE HARDLY BUSINESS AS USUAL. THEY WERE AS DIVERSE AS THEY WERE EXCITING. THEY WERE THE PROJECTS AND EVENTS THAT MADE 1991 UNIQUE.

SILVER CITY GALLERIA, A NEW 1.2 MILLION SQUARE FOOT SHOPPING CENTER THAT BROKE GROUND IN EARLY TAUNTON, IS ONE SUCH STORY. FOR TMLP, IT WAS MORE THAN A WELCOMED OPPORTUNITY TO SERVE NEW CUSTOMERS. WE SAW THE MONTHS WE SPENT WORKING WITH THE DEVELOPERS, LEARNING NEW TECHNOLOGIES, CONDUCTING RELIABILITY STUDIES, AND PREPARING THE AREA FOR NEW CUSTOMERS — REPRESENTING AN ADDITIONAL 10 MW DEMAND FOR POWER — AS A WAY TO SUPPORT A MUCH-NEEDED BOOST TO THE ECONOMY OF OUR SERVICE TERRITORY. NOT UNEXPECTEDLY, WE ALSO SAW PLANS FOR STRIP MALLS START TO ROLL IN.



*John Martyniak, Commissioner*

A HURRICANE NAMED BOB SERVED AS ANOTHER OPPORTUNITY, ALBEIT UNWELCOME, TO DEMONSTRATE OUR COMMITMENT TO CUSTOMER SERVICE AND A LONG TRADITION OF TEAM WORK AMONG ALL TMLP EMPLOYEES. THOUGH HURRICANE BOB COMMANDED OUR ATTENTION FOR LESS THAN A WEEK, IT TOO MADE 1991 A YEAR THAT TMLP — AND ALL OF SOUTHEASTERN MASSACHUSETTS — WON'T SOON FORGET.

LIGHTWAVES, OUR AWARD-WINNING COMMERCIAL AND INDUSTRIAL ENERGY CONSERVATION PROGRAM, EARNED SPECIAL MENTION AGAIN IN THIS ANNUAL REPORT. FOR THE FIRST TIME SINCE ITS INCEPTION IN 1989, WE ARE ABLE TO REPORT STATISTICALLY ITS EFFECTIVENESS



IN REDUCING ENERGY CONSUMPTION — AND THE MONTHLY ELECTRIC BILLS OF LIGHTWAVES PARTICIPANTS. WE ARE ESPECIALLY GRATIFIED THAT LIGHTWAVES REDUCES FIXED COSTS FOR THE SCHOOLS IN OUR SERVICE TERRITORY, AS THEY TRY TO COPE WITH SEVERE CUTBACKS IN FUNDING.

*Arthur G. Pincala, Secretary*

THE TAUNTON ENERGY CENTER, OUR PROPOSED COAL-FIRED GENERATING FACILITY, MADE MAJOR LEAPS FORWARD IN 1991. THE TEC PROJECT TEAM SECURED ALL LOCAL PERMITS NECESSARY FOR THE GROUNDBREAKING, SCHEDULED FOR LATE 1992. IMPORTANTLY, THEIR FORTHRIGHT AND TIRELESS COMMITMENT TO PUBLIC EDUCATION EARNED THE APPROVAL OF TAUNTON VOTERS, THE MAJORITY OF WHOM EXPRESSED THEIR SUPPORT FOR THE PROJECT THROUGH A NON-BINDING QUESTION ON THE NOVEMBER BALLOT.

WHILE THE TEC PROJECT STANDS AS A CLEAR EXAMPLE OF OUR COMMITMENT TO PROVIDE SAFE, LOW-COST ENERGY FOR THE FUTURE, WE ALSO FOCUSED ON RELIABLE, COST-EFFECTIVE ENERGY FOR THE NEAR TERM.



OUR POWER PRODUCTION DEPARTMENT COMPLETED A MAJOR OVERHAUL OF UNIT 9'S BOILER, STEAM AND GAS TURBINES. A MULTIMILLION-DOLLAR PROJECT IN PLANNING FOR MORE THAN A YEAR, THE UNIT WAS DISASSEMBLED, FULLY UPGRADED AND BACK ON LINE IN JUST UNDER NINE WEEKS — A TRIBUTE TO THE EFFICIENCY OF TMLP'S EMPLOYEES, AND A PROJECT THAT WILL IMPROVE THE EFFICIENCY AND RELIABILITY OF THIS VALUABLE SOURCE OF LOCAL POWER FOR MANY YEARS.

*Joseph Medeiros, Chairman*

SERVING OUR CUSTOMERS' DAILY NEEDS, SUPPORTING ECONOMIC DEVELOPMENT AND GUARANTEEING AN ABUNDANT SUPPLY OF SAFE, RELIABLE, LOW-COST ENERGY IS THE HEART OF TMLP'S MISSION. I AM PLEASED TO OFFER THESE FIVE STORIES AS TESTIMONY THAT TMLP HAS BEEN FAITHFUL TO THIS MISSION IN 1991. MORE THAN A SUMMARY OF KEY EVENTS, THEY REMIND US NOW AND IN THE FUTURE THAT HOW WE CHOOSE TO USE OUR TIME EACH DAY IS THE BEST MEASURE OF OUR COMMITMENT TO THE CUSTOMERS WE SERVE.

*Joseph M. Blain*

JOSEPH M. BLAIN, GENERAL MANAGER



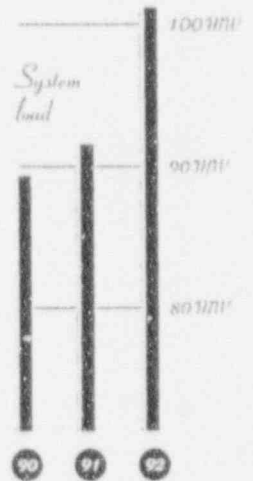
# The Mail Comes to Taunton

NEWS OF SILVER CITY GALLERIA'S GROUNDBREAKING TRAVELED FAST IN SOUTHEASTERN MASSACHUSETTS IN 1991. FOR THE 550,000 RESIDENTS WHO LIVE WITHIN 15 MINUTES OF THE SITE, A NEW TWO-LEVEL, STATE-OF-THE-ART SHOPPING MALL MEANT MORE THAN CONVENIENT ACCESS TO 1.2 MILLION SQUARE FEET OF FASHION, FOOD AND ENTERTAINMENT. IN THE MIDST OF A RECESSION, IT REPRESENTED A \$93 MILLION CONSTRUCTION PROJECT, 2000 CONSTRUCTION JOBS, AN ESTIMATED 2,400 PERMANENT, FULL-TIME JOBS AND \$1.3 MILLION ANNUALLY IN NEW LOCAL TAX REVENUES.

IN ADDITION TO NEW JOBS AND TAX REVENUES, THE DEVELOPERS ESTIMATED THAT THE MALL WILL BOOST THE LOCAL ECONOMY BY GENERATING \$200 MILLION IN DIRECT RETAIL SALES AND \$188 MILLION IN INDIRECT SALES ANNUALLY. IN SHORT, ON MARCH 1, 1992 THE JUNCTURE OF ROUTES 140 AND 24 IN EAST TAUNTON WILL BECOME THE SITE OF THE LARGEST — AND PERHAPS THE MOST LUCRATIVE — SHOPPING MALL IN SOUTHEASTERN MASSACHUSETTS.

FOR TMLP, SILVER CITY GALLERIA WASN'T JUST A NEW CUSTOMER. IT WAS A GOLDEN OPPORTUNITY FOR THIS PUBLIC UTILITY TO PLAY A ROLE IN BRINGING A MUCH-NEEDED ECONOMIC BOOST TO OUR CORNER OF THE COMMONWEALTH. IN LIGHT OF THIS IMPORTANT PART OF OUR MISSION, THE MANY HOURS OUR TRANSMISSION AND DISTRIBUTION DEPARTMENT INVESTED IN PREPARING THE SITE FOR ELECTRIC SERVICE WAS TIME WELL SPENT — AND A "JOB WELL DONE," ACCORDING TO THE DEVELOPER'S REPRESENTATIVE HENRY C. SUOMINEN, JR.

"I WANTED TO TAKE THIS OPPORTUNITY TO PERSONALLY THANK THE TMLP STAFF WHO SO TIRELESSLY WORKED ON OUR PROJECT. AS ONE MIGHT EXPECT, NEW TECHNOLOGY INTRODUCTION REQUIRES PEOPLE TO CLIMB A LEARNING CURVE AND GIVEN THE FAST-TRACK NATURE OF OUR CONSTRUCTION, IT WAS A STEEP CURVE AT THAT," MR. SUOMINEN WROTE IN A LETTER TO TMLP'S ENGINEERING DEPARTMENT. "EVERYONE AT TMLP WORKED HARD TO COMMUNICATE WITH OUR CONTRACTORS TO ENSURE WE RECEIVED ON-TIME DELIVERY OF A FIRST CLASS POWER



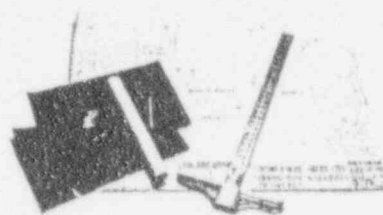
THE NEW MALL WILL INCREASE PEAK DEMAND BY AN ESTIMATED 10.8% IN 1992.

TMLP engineers meet with mall developers and contractors - reliability is stressed

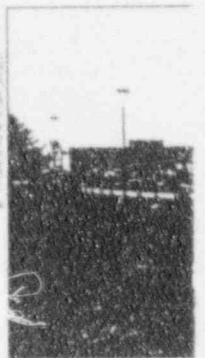
A complete loop-fed URD electrical distribution system is designed.

Relocation of existing lines is undertaken for new overpass construction.

Craig Tully, electrical engineer. ▶



Months were spent with developers and engineers designing a distribution system for the site.

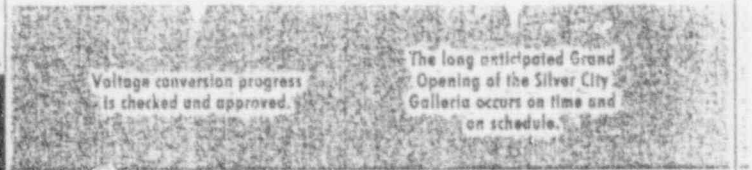
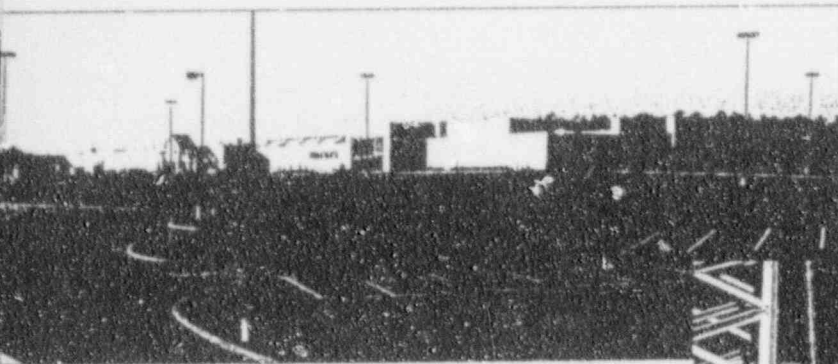


DISTRIBUTION INSTALLATION AT OUR PROJECT."

TMLP'S ROLE BEGAN AS A TECHNICAL ONE. BEFORE GROUNDBREAKING, TRANSMISSION AND DISTRIBUTION ENGINEERS WORKED DIRECTLY WITH THE DEVELOPERS AND THEIR CONTRACTORS TO DESIGN A DISTRIBUTION SYSTEM FOR THE 10 MW OF POWER THE MALL WILL NEED WHEN IT COMES ON LINE IN 1992. IT REQUIRED COMPLETE LOOP-FED URD DESIGN INCLUDING AUTOMATED LOAD TRANSFER, THREE NEW CIRCUITS, SUBSTATION EXPANSION, 33,000 FEET OF UNDERGROUND CABLE, AND UPGRADING EXISTING CIRCUITS. DESIGNED FOR MAXIMUM RELIABILITY, ANY LINE FAILURE WOULD ONLY RESULT IN A MOMENTARY OUTAGE AT THE FACILITY, AND DOUBLE CONTINGENCIES WOULD HAVE TO OCCUR TO LOSE POWER TO THE MALL.

IN ADDITION TO INSTALLING TRIPLE-CIRCUIT SERVICE FOR THE SITE, SUBSTANTIAL CHANGES WERE NEEDED TO FACILITATE THE CONSTRUCTION OF A NEW BRIDGE AND MALL ACCESS ROAD. TO ASSURE ELECTRIC SERVICE WAS AVAILABLE IN A TIMELY MANNER, OUR LINE CREWS WENT TO WORK IMMEDIATELY AFTER GROUNDBREAKING. THEIR WORK INCLUDED LINE RELOCATION, UNDERGROUND CONSTRUCTION, AND VOLTAGE CONVERSION.

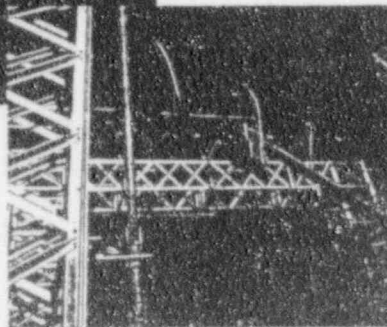
AT TMLP WE LOOK FORWARD TO WELCOMING SILVER CITY GALLERIA'S 160 TENANTS TO OUR SERVICE AREA. FOR US, THE CONSTRUCTION PHASE OF THIS PROJECT WAS ONE OPPORTUNITY TO DEMONSTRATE OUR COMMITMENT TO LOCAL ECONOMIC DEVELOPMENT. THE GRAND OPENING WILL PRESENT AT LEAST 160 OPPORTUNITIES TO PROMOTE EFFICIENT USE OF OUR ENERGY RESOURCES AND DEMONSTRATE OUR COMMITMENT TO CUSTOMER SERVICE.



Voltage conversion progress is checked and approved.

The long anticipated Grand Opening of the Silver City Galleria occurs on time and on schedule.

▲ At over 1 million square feet, Silver City Galleria is one of the largest malls in southern New England.



◀ Line crews were instrumental in completing the mall project.

## *Hurricane Bob, an Unwelcome Opportunity*

ON SUNDAY, AUGUST 19, 1991, TMLP PREPARED FOR THE WORST. HURRICANE BOB, SEVERAL HUNDRED MILES DOWN THE COAST, WAS HEADED TOWARD SOUTHEASTERN MASSACHUSETTS.

ON MONDAY MORNING PLANS AND SCHEMATICS WERE LAID OUT. LINE TRUCKS WERE STOCKED, INVENTORY WAS REPLENISHED, SAWS WERE SHARPENED. ALTERNATE FUEL SOURCES WERE IDENTIFIED FOR TMLP TRUCKS. AN EMERGENCY PHONE CENTER WAS SET UP TO HANDLE THE EXPECTED INFLUX OF CUSTOMER CALLS. HOTEL RESERVATIONS WERE MADE FOR OUTSIDE CREWS, COTS WERE SET UP FOR TMLP EMPLOYEES. A COMMUNICATIONS LINK WAS ESTABLISHED WITH THE LOCAL MEDIA AND THE TAUNTON CIVIL DEFENSE.

BY 11:45 A.M. ON AUGUST 20, BOB WAS ONLY 85 MILES SOUTH OF PROVIDENCE AND APPROACHING FAST. THE HURRICANE HIT THE SERVICE TERRITORY AROUND 1:30 P.M. BY 4:00 P.M., 23,000 OUT OF 28,500 TMLP CUSTOMERS HAD LOST POWER.

A ROUND-THE-CLOCK RESTORATION EFFORT CONTINUED THROUGH FRIDAY AT MIDNIGHT. THE LINE CREWS, SUBSTATION CREWS, METFR DEPARTMENT, METER READERS AND CUSTOMER SERVICE REPRESENTATIVES JOINED THE EFFORT. MUTUAL AIDE ARRIVED TO ASSIST TMLP'S CREWS. THEY INCLUDED PUBLIC POWER CREWS FROM BURLINGTON, VERMONT, BRAINTREE, GROTON AND HOLDEN, MASS., AND HALPIN LINE CONSTRUCTION OF HINGHAM, MASS.

ALL THE EMPLOYEES DID A "TREMENDOUS JOB UNDER TOUGH CONDITIONS AND STILL MANAGED TO KEEP SMILING," SAID JAMES MITORILIS, OWNER OF JIMMY'S RESTAURANT IN TAUNTON. MR. MITORILIS WAS ONE OF THREE TMLP CUSTOMERS WHO VOLUNTEERED TO OPEN THEIR DINERS TO TMLP AND MUTUAL AIDE EMPLOYEES DURING THE RESTORATION EFFORT. HE, HIS WIFE EVANGELA, AND THEIR DAUGHTER GOT A CLOSE UP VIEW OF COMMITMENT OVER THE NEXT THREE DAYS.

"THEY CAME IN SOAKING WET, NOT WAITING TO GO HOME TO CHANGE, JUST TALKING ABOUT HOW TO GET THE JOB DONE QUICKER," MR. MITORILIS SAID. "ONE THING THAT IMPRESSED ME WAS THAT THEY'D BE OUT THERE FOR 20 HOURS STRAIGHT, COME IN FOR FIVE MINUTES

TMLP keeps a close eye on weather reports as preliminary preparations are made.



*Enhanced satellite imagery of Hurricane Bob, one day before it struck the New England coast.*

Hurricane Bob strikes TMLP service area early in the afternoon, August 20th.



*The hurricane made headlines throughout the region as clean up efforts continued.*

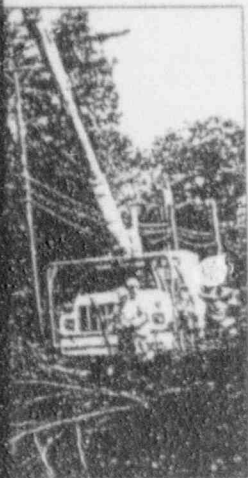
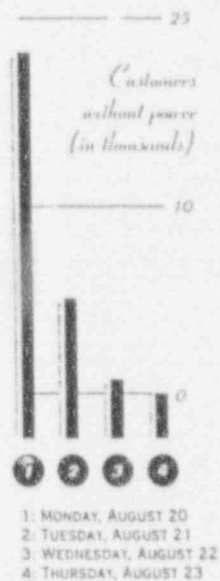


TO PICK UP SANDWICHES, AND BOOM: BACK OUT THE DOOR TO WORK. THEY'RE NUMBER ONE. WE WOULD HAVE STAYED OPEN ROUND THE CLOCK FOR THEM IF WE HAD TO."

SIMILAR SENTIMENTS WE'VE ALSO EXPRESSED BY TMLP CUSTOMERS LIKE BEATRICE SOARES. "I DON'T THINK ENOUGH PEOPLE TAKE TIME TO THANK THE TMLP FOR ALL THEY DO," SAID MRS. SOARES, A WIDOW. "I LIVE ALONE, AND I JUST DON'T FEEL SAFE WITHOUT ELECTRIC POWER. AND READING HOW LONG NEIGHBORING COMMUNITIES WERE WITHOUT IT AFTER THE STORM, WELL, I JUST FEEL LUCKY I'M A TMLP CUSTOMER."

DURING THE RESTORATION EFFORT THE CUSTOMER SERVICE REPRESENTATIVES FIELDING MORE THAN 6000 TELEPHONE CALLS. OUR LINE CREWS LOGGED 3,300 HOURS TO REPAIR THE DAMAGE TO OUR TRANSMISSION AND DISTRIBUTION NETWORK, INCLUDING 38 POLES, NUMEROUS MILES OF DOWNED LINES, AND 10 TRANSFORMERS. INCREDIBLY, NO INJURIES WERE REPORTED.

THOUGH IT OCCUPIED OUR ENERGIES FOR LESS THAN A WEEK, HURRICANE BOB WAS A KEY EVENT IN 1991. NO SINGLE EVENT IN RECENT MEMORY IS A BETTER TESTIMONY TO THE DEDICATION OF THE TMLP TEAM. THE INSURANCE INDUSTRY RANKED BOB AS ONE OF THE MOST EXPENSIVE HURRICANES IN HISTORY. IT CAUSED MORE THAN \$1 BILLION IN DAMAGE THROUGHOUT THE COMMONWEALTH. FOR TMLP EMPLOYEES, HURRICANE BOB WAS ONE OF THOSE UNWELCOME OPPORTUNITIES TO DEMONSTRATE THEIR COMMITMENT TO CUSTOMER SERVICE.



*James Mitchell, proprietor of Jimmy's Restaurant. ▶*

Within 4 hours, over 80% of TMLP customers lose power.

With mutual aid, restoration efforts begin immediately.

By Friday August 24th, all power is restored throughout the service area.



*Beatrice Soares of N. Dighton, MA. ▶*



## The Numbers are In

IN 1989, THE NUMBERS MADE SENSE. IF MODERN LIGHTING TECHNOLOGY WAS INSTALLED BY ONLY A FRACTION OF TMLP'S COMMERCIAL AND INDUSTRIAL (C&I) CUSTOMERS, WE COULD SUBSTANTIALLY CUT DEMAND AND OUR CUSTOMERS COULD SAVE MORE THAN \$5 MILLION OVER THE NEXT TEN YEARS. IN 1989, HOWEVER, THOSE NUMBERS WERE ONLY ON PAPER. IN 1991, TWO YEARS AFTER THE IMPLEMENTATION OF LIGHTWAVES, THOSE NUMBERS WERE ACTUALLY SEEN ON OUR CUSTOMERS' MONTHLY ELECTRIC BILLS.

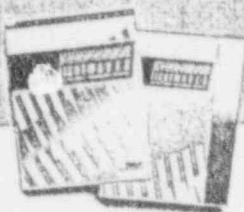
THE SUCCESS OF LIGHTWAVES, A PROGRAM THROUGH WHICH TMLP CONDUCTS ENERGY AUDITS AND INSTALLS ENERGY-SAVING LAMPS AND FIXTURES FOR C&I CUSTOMERS, CAN BE MEASURED IN MANY WAYS. IT HAS EARNED NATIONAL AND INTERNATIONAL RECOGNITION AS AN INNOVATIVE APPROACH TO ENERGY CONSERVATION. MORE THAN 95% OF OUR CUSTOMERS WHO REQUEST INFORMATION ABOUT LIGHTWAVES BECOME PROGRAM PARTICIPANTS. MORE THAN FOUR MILLION SQUARE FEET AT 92 C&I SITES THROUGHOUT OUR SERVICE TERRITORY HAVE ALREADY BEEN RETROFITTED WITH ENERGY-EFFICIENT LIGHTING. REDUCTION IN USAGE DIRECTLY ATTRIBUTABLE TO LIGHTWAVES' INSTALLATIONS HAS REACHED 6,739,892 KWH PER YEAR, WHICH REPRESENTS AN ESTIMATED YEARLY SAVINGS OF \$505,492 FOR LIGHTWAVES' PARTICIPANTS. FURTHER, SAVINGS TO DATE INDICATE THAT TMLP HAS ALREADY ACHIEVED ITS GOAL SET IN 1989 - TO SAVE MORE THAN \$5 MILLION OVER THE NEXT 10 YEARS.

THE SUCCESS OF LIGHTWAVES CAN ALSO BE MEASURED BY TALKING TO CUSTOMERS LIKE DR. EILEEN WILLIAMS, SUPERINTENDENT OF RAYNHAM SCHOOLS. ADMITTEDLY, SHE WAS SKEPTICAL AT FIRST, "CAUTIOUS TO ACCEPT A PROGRAM THAT PROMISED TO SAVE YOU MONEY."

"BEFORE I SIGNED ON, I CALLED OTHER LOCAL SCHOOL SYSTEMS WHO WERE ALREADY LIGHTWAVES' PARTICIPANTS TO ASK ABOUT THE QUALITY OF WORK AND WHETHER IT DID IN FACT SAVE ANY MONEY. ESSENTIALLY, I GOT VERY FAVORABLE REPORTS," DR. WILLIAMS SAID.



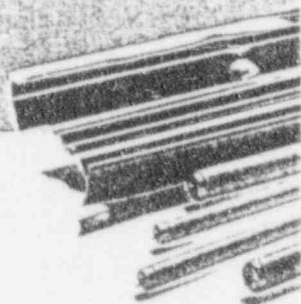
Lightwaves is introduced to Raynham Public Schools.



Lightwaves informational literature has been vital in promoting the program.

After research is completed, the Lightwaves program is accepted by the Raynham school committee.

Energy audits are scheduled and underway for all Raynham school buildings.



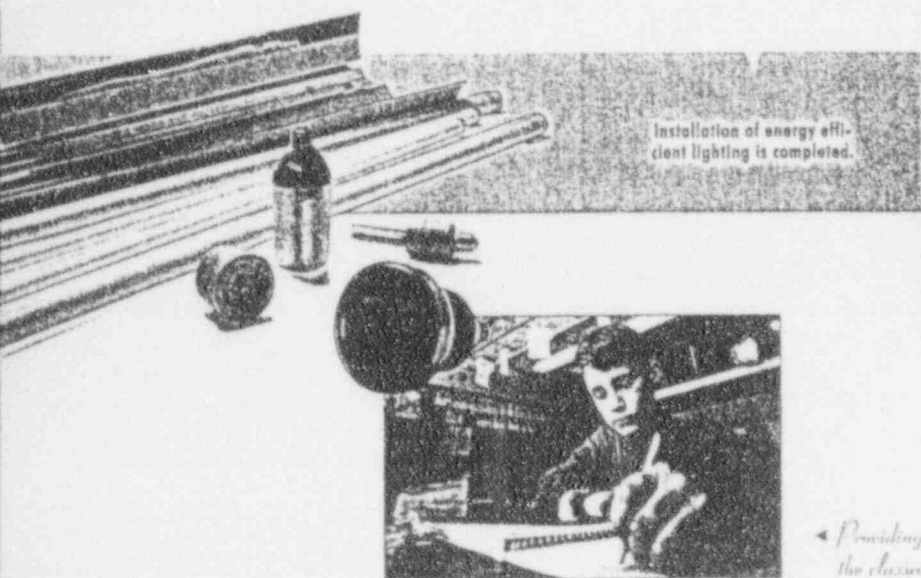
Dr. Eileen Williams, superintendent of Raynham public schools.

"SAVINGS WERE IMPORTANT, BUT QUALITY OF LIGHTING WAS EQUALLY IMPORTANT FOR ME. SOME OF OUR BUILDINGS DATE BACK TO THE 1920'S AND I WAS VERY INTERESTED IN WHETHER WE WERE GOING TO BE ABLE TO IMPROVE THE LIGHTING IN THOSE SCHOOLS. IN THE END, ALL OF US — TEACHERS AND STAFF — WERE VERY PLEASED. LIGHTWAVES ELIMINATED DARK, SHADOWY AREAS IN CLASSROOMS AND REPLACED THEM WITH A BRIGHT, WELL-LIT ENVIRONMENT WHICH IS VERY CONDUCTIVE TO LEARNING.

"AND IT HAS SAVED US MONEY AS PROMISED — MONEY THAT IS ABSOLUTELY CRITICAL TO EDUCATION IN THIS COMMUNITY. THE MORE WE CAN SAVE, THE MORE WE HAVE TO BUY THE MATERIALS THE CHILDREN NEED. IT'S A GOOD PROGRAM — PUBLIC ENTITIES WORKING TOGETHER TO MAKE THE MOST OF THE RESOURCES WE HAVE, TO MAKE THE MOST OF OUR ENVIRONMENT. AND THE MORE WE DO THIS, THE BETTER OFF WE'RE ALL GOING TO BE."

TMLP'S ENERGY SERVICES AND PLANNING DEPARTMENT ESTIMATES THAT RAYNHAM SCHOOLS WILL REDUCE THEIR ELECTRIC BILLS BY \$63,983 OVER THE NEXT FIVE YEARS. FOR THE SAME PERIOD, THE COMBINED SAVINGS FOR ALL LOCAL SCHOOL SYSTEMS WHO HAVE PARTICIPATED TO DATE IN LIGHTWAVES IS ESTIMATED AT \$426,533.

THE NUMBERS ARE IN — FOR OUR SCHOOLS AND OTHER C&I CUSTOMERS. THE \$1.27 MILLION AND EXTENSIVE MAN-HOURS WE INVESTED IN LIGHTWAVES IN 1991 IS A TESTIMONY TO THE EFFECTIVENESS OF ENERGY CONSERVATION AND TO THIS UTILITY'S COMMITMENT TO ENERGY EFFICIENCY AND LOW-COST POWER.



Installation of energy efficient lighting is completed.



Improved lighting and reduced electric bills are realized.

← Outside professional vendors insure efficient and accurate installation.

← Providing sufficient light levels in the classroom was essential.

## Ensuring Low-Cost Power for 2021

TMLP'S CUSTOMERS HAVE COME TO EXPECT LOW ELECTRIC RATES. MAKING SURE WE CONTINUE MEETING THOSE EXPECTATIONS WAS THE ULTIMATE GOAL OF TWO MAJOR PROJECTS IN 1991.

THE TAUNTON ENERGY CENTER, A STATE-OF-THE-ART, COAL-FIRED GENERATING STATION, IS ONE OF THOSE PROJECTS, AND MAJOR MILESTONES MARKED THE ROUTE TO ITS GROUNDBREAKING, SCHEDULED FOR LATE 1992. IN EARLY JANUARY, TAUNTON'S CITIZENS OVERSIGHT COMMITTEE, AN INDEPENDENT CROSS-SECTION OF THE COMMUNITY FORMED IN 1990 TO STUDY THE NEED FOR NEW ENERGY SOURCES IN OUR AREA, OFFICIALLY RECOGNIZED THROUGH A FORMAL VOTE OF ITS MEMBERS THAT TMLP NEEDED THE EXTRA POWER SOURCE. ADDITIONALLY, IN NOVEMBER A MAJORITY OF TAUNTON VOTERS ENDORSED THE PROJECT THROUGH NON-BINDING BALLOT QUESTIONS.

HOME RULE LEGISLATION, PREPARED BY TMLP COMMISSIONERS AND THE TAUNTON CITY COUNCIL, WAS PASSED BY THE STATE LEGISLATURE. IT ALLOWS TMLP TO ENTER A 20-YEAR LEASE AGREEMENT WITH THE PROJECT DEVELOPERS AND RECEIVE LEASE PAYMENTS OF \$1.1 MILLION A YEAR, INCREASING BY THREE PERCENT ANNUALLY — INCOME THAT WILL BE USED TO OFFSET THE COST OF POWER WE PURCHASE FROM TEC. THE LEGISLATION ALSO ALLOWS THE CITY OF TAUNTON TO ENTER INTO A NEGOTIATED TAX AGREEMENT WITH THE DEVELOPERS, WHICH WILL NET THE CITY \$26.7 MILLION OVER A 20 YEAR PERIOD.

THE TEC TEAM ALSO SECURED ALL LOCAL APPROVALS, PERMITS AND VARIANCES NEEDED FOR CONSTRUCTION: HEIGHT VARIANCE; UNANIMOUS APPROVAL BY TAUNTON'S DEVELOPMENT IMPACT REVIEW BOARD, PLANNING BOARD, AND CONSERVATION COMMISSION; AND SITE PLAN APPROVAL FROM THE TAUNTON CITY COUNCIL. IN ADDITION, THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION CERTIFIED THE PROJECT MET OR EXCEEDED ITS ENVIRONMENTAL REQUIREMENTS.

FINALLY, A CONTRACT WAS SIGNED BETWEEN TMLP AND THE DEVELOPER THIS YEAR. THE CONTRACT'S STRINGENT ENVIRONMENTAL AND FINANCIAL REQUIREMENTS — INCLUDING A MANDATE TO EMPLOY LOCAL UNION EMPLOYEES DURING CONSTRUCTION — WILL SERVE OUR

Taunton voters endorse the Taunton Energy Center through non-binding ballot questions.

TEC secures all local approvals, permits and variances needed for construction.

Over 250 engineers and craftspersons begin major generator overhaul at Cleary Flood generating station.

◀ *Rick Velez, Project Manager for the Taunton Energy Center.*



*Work performed on the steam and gas turbine generator was just part of the mechanical project. ▶*

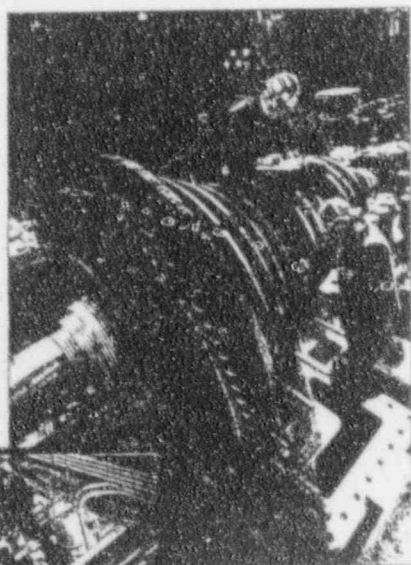
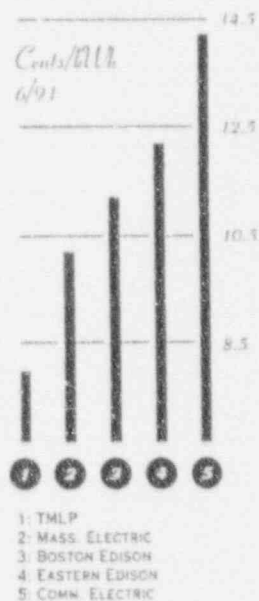
OUR CUSTOMERS' FUTURE NEEDS FOR SAFE, LOW-COST ENERGY AND PROVIDE A STREAM OF NEW REVENUES AND JOBS TO OUR SERVICE TERRITORY.

ALTHOUGH LONG-TERM ENERGY PLANNING WAS THE DRIVING FORCE BEHIND IEC ACTIVITIES IN 1991, WE ALSO FOCUSED ON IMPROVING THE EFFICIENCY AND THE COST-EFFECTIVE RELIABILITY OF OUR CURRENT ENERGY SOURCES.

IN THE FALL OF 1991, MORE THAN 200 TECHNICAL ENGINEERS AND CRAFTSPERSONS JOINED OUR 64-PERSON, CLEARY FLOOD GENERATING STATION TEAM FOR A MAJOR OVERHAUL OF OUR 110-MEGAWATT, COMBINED-CYCLE, STEAM AND GAS TURBINE GENERATOR. ALL GENERATOR PARTS WERE TESTED AND UPGRADED. MODERN SUPER-HEATER AND ECONOMIZER TUBES WERE INSTALLED IN THE BOILER. THE OVERHAUL ALSO INCLUDED THE INSTALLATION OF A NEW STATE-OF-THE-ART STATIC EXCITATION SYSTEM, STACK AND COOLING TOWER REFURBISHING AND EXTENSIVE WORK ON THE MANY AUXILIARY SYSTEMS. IN ADDITION, BECAUSE THERE WAS NO EXISTING DOCUMENTATION FOR CONFIGURATION CONTROL, POWER PRODUCTION PERSONNEL USED THE OVERHAUL AS AN OPPORTUNITY TO CREATE AND COMPUTERIZE SYSTEM DIAGRAMS TO FACILITATE FUTURE TROUBLESHOOTING AND REPAIR.

THE OVERHAUL WILL IMPROVE THE EFFICIENCY AND RELIABILITY OF UNIT 9, TWO FACTORS THAT DETERMINE THE COST OF POWER WE PURCHASE AND THE RATES WE CHARGE OUR CUSTOMERS. IT ALSO SERVES AS A FITTING INTRODUCTION TO 1992, A YEAR ALREADY DUBBED "THE EFFICIENCY IMPROVEMENT YEAR" BY TMLP'S POWER PRODUCTION DEPARTMENT.

IF THESE AND THE OTHER KEY PROJECTS THAT OCCUPIED OUR TIME THIS YEAR ARE ANY INDICATION OF THE FUTURE, ONE FACT IS CLEAR: AT TMLP WE ARE PREPARED TO PROVIDE OUR CUSTOMERS WITH SAFE, RELIABLE, LOW-COST ENERGY AGAIN IN 1992 — AND FOR AT LEAST THE NEXT THIRTY YEARS.

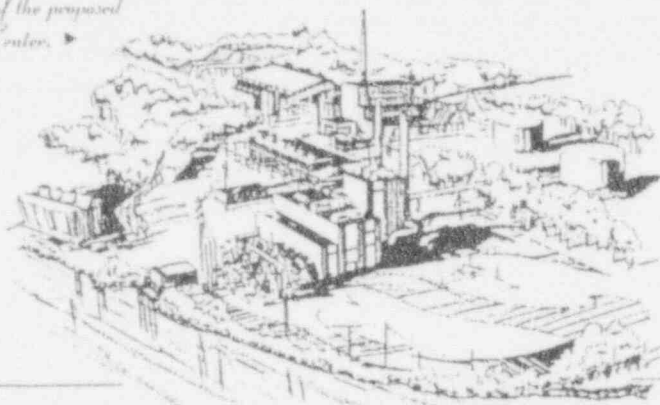


A computerized system is created to facilitate future troubleshooting and repair.

The overhaul is completed on schedule, plans are underway for more upgrades in 1992.

Artist's rendering of the proposed Tuntun Energy Center.

Technicians carefully measure and record the tolerances of all generator parts.



# 1991 Employee Listing

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MICHAEL ABBOTT	ROBERT DRAKE	JENNIFER LOVE	THOMAS POWERS
WILLIAM ADAMS	JOHN DUBENA	KELLY LOZINSKI	JOHN PUNDA
ANTONE ALMEIDA, JR.	ARMAND EMOND	RONALD LUND	PETER REILLY
LAWRENCE ARIETA	MICHAEL EMOND	ROBERT LYNCH	DORIS M. RENAUD
RICHARD ARRUDA	JOAN FARIA	WILLIAM LYONS	LEONARD ROCHA
ROBERT BACH	CHARLES FARRELL	FRANK MACEDO	STEVEN ROGERS
BRETT BAKER	JOSEPH FERNANDES	DANIEL MAHONEY	BRENDA ROOSE
BRIAN BELANGER	MARIA FERNANDEZ	LINDA M. MASON	MANUEL ROSE
JOHN BISIO	GLENN FERREIRA	GEORGE MASTIN, SR.	STEPHEN ROSE
MARK BISSONNETTE	RONALD FERREIRA	CHARLES MCCAFFREY	RONALD ROY
MARK BLACKWELL, JR.	DAVID FINK	JAMES MCDERMOTT	ALBERT SANTOS
MARK BLACKWELL, SR.	CRAIG FOLEY	FRANCIS MCDERMOTT	MARK SEEKELL
JOSEPH M. BLAIN	CHARLOTTE FOURNIER	J. JHN McDONOUGH	JOHN F. SEMAS
RICHARD BOLDUC	FERNANDO FRATES	DIANE MCGRATH	JOHN M. SEMAS
LEO BOUSQUET	ERNEST FRESTA	LAUREL J. MCGRATH	ROBERT SILVA
TOMMIE BRUCE	DOUGLAS FURTADO	JOSEPH MCKENNA	EDMUNO SILVEIRA
VICTOR BUOTE	PAULA GAL IGHIER	JOHN MCRAE	KATRINA SILVEIRA
BING CHAN	FRANK GILL	LAWRENCE MEDEIROS	CYNTHIA SII
FRED CHANDLER	THOMAS GOGGIN	ROBERT MEDEIROS	DEBRA SILVIA
ROBERTA CHESTERFIELD	EDWARD GOULART	RONALD MEDEIROS	GREGORY SIMMONS
CYNTHIA CLARK	KENNETH GOULART	ERNEST MELLO	RITA SMITH
WALTER CLARKE	ROLAND GRANDMONT	PAUL MENARD	ROBERT SMITH
CAROL COLLA -AN	JOHN HAGGERTY	PAUL MERCIER	KATHLEEN SMYTH
MARGARET COOKE	MICHAEL HAGOPIAN	JOAN MULCAHY	FRANCIS SOARES
DAVID CORDEIRO	MANUEL HATHAWAY	WILLIAM NICKERSON	NANCY STANKIEWICZ
DAVID COSTA	MICHAEL HERRIGAN	JOSEPH NOBERINI	KEVIN STEADMAN
STEVEN P. COTE	JAMES IRVING	DAVID H. OWEN	WILLIAM STROJNY
MICHAEL P. COTE	WALLACE JONES	ALICE PACHECO	RALPH STROLLO, JR.
RUSSELL DEMAR	KEVIN J. KIERNAN	DIANE PAIVA	JOHN THOMAS
JOSEPH DESMOND	PAULETTE KINGSBURY	RICHARD PARKER	JUDITH TORRES
LAWRENCE DETHOMAS	STANLEY KOSS, JR.	DAVID PEREIRA	JOHN VALCOVIC
WAYNE DIXON	ROBERT KRANTZ	FRANCIS PEREIRA	JOSEPH VASCONCELLOS
DAYLE DOANE	MICHAEL LARKIN, JR.	MANUEL PEREIRA	RICHARD VELEZ
LORRAINE DONAHUE	ROBERT LARKIN	WILLIAM PHIPPS	ANNA MAY VIEIRA
ROBERT DONNELLY	RAYMOND LEANUES	ANTHONY PIETRZYK	SHIRLEY VINCENT
STEPHEN J. DONOVAN	RONALD LEGERE, JR.	FRANK PIROZZI	JAMES WARREN
KEVIN DOOLEY	THERESA LEVESQUE	JAMES PIROZZI	R. SCOTT WHITTEMORE
MARY DOWER	ROBERT LINHARES	LOUIS PONTE	THOMAS ZAGORSKI
PAUL DOWNING	MAUREEN LOUNSBURY		

# Report of Independent Certified Public Accountants

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MUNICIPAL LIGHT COMMISSION OF THE CITY OF TAUNTON  
TAUNTON, MASSACHUSETTS

WE HAVE AUDITED THE ACCOMPANYING BALANCE SHEETS OF THE TAUNTON MUNICIPAL LIGHTING PLANT (A DEPARTMENT OF THE CITY OF TAUNTON) AS OF DECEMBER 31, 1991 AND 1990, AND THE RELATED STATEMENTS OF EARNINGS, RETAINED EARNINGS, AND CASH FLOWS FOR THE YEARS THEN ENDED. THESE FINANCIAL STATEMENTS ARE THE RESPONSIBILITY OF THE PLANT'S MANAGEMENT. OUR RESPONSIBILITY IS TO EXPRESS AN OPINION ON THESE FINANCIAL STATEMENTS BASED ON OUR AUDITS.

EXCEPT AS DISCUSSED IN THE FOLLOWING PARAGRAPH, WE CONDUCTED OUR AUDITS IN ACCORDANCE WITH GENERALLY ACCEPTED AUDITING STANDARDS. THOSE STANDARDS REQUIRE THAT WE PLAN AND PERFORM THE AUDIT TO OBTAIN REASONABLE ASSURANCE ABOUT WHETHER THE FINANCIAL STATEMENTS ARE FREE OF MATERIAL MISSTATEMENT. AN AUDIT INCLUDES EXAMINING, ON A TEST BASIS, EVIDENCE SUPPORTING THE AMOUNTS AND DISCLOSURES IN THE FINANCIAL STATEMENTS. AN AUDIT ALSO INCLUDES ASSESSING THE ACCOUNTING PRINCIPLES USED AND SIGNIFICANT ESTIMATES MADE BY MANAGEMENT, AS WELL AS EVALUATING THE OVERALL FINANCIAL STATEMENT PRESENTATION. WE BELIEVE OUR AUDITS PROVIDE A REASONABLE BASIS FOR OUR OPINION.

AS DISCUSSED IN NOTE H, THE PLANT RECORDS PENSION EXPENSE BASED ON A FORMULA DETERMINED BY THE CITY, WHEREAS GENERALLY ACCEPTED ACCOUNTING PRINCIPLES REQUIRE THE USE OF ACTUARIAL METHODS IN DETERMINING ANNUAL PENSION EXPENSE. THE EFFECT ON THE FINANCIAL STATEMENTS OF NOT USING ACTUARIAL METHODS HAS NOT BEEN DETERMINED. IN ADDITION, CERTAIN DISCLOSURES REQUIRED BY THE GOVERNMENTAL ACCOUNTING STANDARDS BOARD RELATING TO PENSIONS HAVE BEEN OMITTED.

IN OUR OPINION, EXCEPT FOR THE EFFECTS ON THE FINANCIAL STATEMENTS OF SUCH ADJUSTMENTS, IF ANY, AS MIGHT HAVE BEEN DETERMINED TO BE NECESSARY HAD WE BEEN ABLE TO DETERMINE THE EFFECTS OF NOT USING ACTUARIAL METHODS IN DETERMINING PENSION EXPENSE AND, EXCEPT OF THE OMISSION OF CERTAIN PENSION PLAN DISCLOSURES REQUIRED BY THE GOVERNMENTAL ACCOUNTING STANDARDS BOARD, THE FINANCIAL STATEMENTS REFERRED TO ABOVE PRESENT FAIRLY, IN ALL MATERIAL RESPECTS, THE FINANCIAL POSITION OF THE TAUNTON MUNICIPAL LIGHTING PLANT AS OF DECEMBER 31, 1991 AND 1990, AND THE RESULTS OF ITS OPERATIONS AND ITS CASH FLOWS FOR THE YEARS THEN ENDED IN CONFORMITY WITH GENERALLY ACCEPTED ACCOUNTING PRINCIPLES.

*Giant Thornton*

BOSTON, MASSACHUSETTS  
FEBRUARY 19, 1992

# Balance Sheets

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ASSETS	DECEMBER 31,	1991	1990
<b>UTILITY PLANT - AT COST</b>			
PLANT IN SERVICE		\$75,272,001	\$75,538,225
LESS ACCUMULATED DEPRECIATION (NOTE A2)		45,710,343	42,791,414
NET UTILITY PLANT IN SERVICE		32,561,658	32,746,811
INVESTMENT IN SEABROOK (NOTE C)		3,638,482	3,786,423
CONSTRUCTION WORK IN PROGRESS (NOTE I)		5,168,440	1,852,720
TOTAL UTILITY PLANT		42,368,580	38,385,952
DEPRECIATION FUND (NOTES A2 AND B)		10,461,267	12,347,028
SICK LEAVE TRUST FUND (NOTE A5)		2,189,739	2,044,726
<b>OTHER ASSETS</b>			
ADVANCE TO QUEBEC HYDRO PROJECT (NOTE G)		311,472	3,334
LIGHTWAYS (NOTE D)		220,524	143,287
OTHER DEFERRED DEBITS (NOTE J)		1,643,361	
<b>CURRENT ASSETS</b>			
CASH (NOTE B)		1,919,789	1,835,032
CUSTOMER DEPOSITS (NOTE B)			
PRINCIPAL FUND		278,629	276,863
INTEREST FUND		14,191	31,010
ACCOUNTS RECEIVABLE, LESS ALLOWANCE FOR DOUBTFUL			
ACCOUNTS OF \$340,599 AND \$427,571, RESPECTIVELY		3,913,902	4,407,606
MATERIALS AND SUPPLIES INVENTORY (NOTE A4)		1,725,824	2,113,675
PREPAID EXPENSES		113,074	109,258
TOTAL CURRENT ASSETS		7,965,409	8,773,444
		\$65,160,360	\$62,025,081
<b>RETAINED EARNINGS AND LIABILITIES</b>			
<b>RETAINED EARNINGS</b>			
<b>APPROPRIATED RETAINED EARNINGS</b>			
LOANS REPAYMENT		\$14,687,000	\$14,077,000
CONSTRUCTION REPAYMENT		32,434	32,434
		14,719,434	14,109,434
UNAPPROPRIATED RETAINED EARNINGS		24,090,345	23,506,147
TOTAL RETAINED EARNINGS		38,809,779	37,615,581
LONG TERM DEBT (NOTE E)		17,817,233	18,480,587
OTHER DEFERRED CREDITS (NOTE J)		401,359	
<b>CURRENT LIABILITIES</b>			
ACCOUNTS PAYABLE		2,278,641	2,211,877
CUSTOMER CREDITS (NOTE A6)		1,964,173	
CUSTOMER DEPOSITS		278,629	276,863
CURRENT MATURITIES OF LONG-TERM DEBT (NOTE E)		660,000	610,000
<b>ACCUMULATED LIABILITIES</b>			
COMPENSATED ABSENCES (NOTE A5)		2,197,930	2,059,871
INTEREST		623,038	641,846
PAYROLL		127,475	117,106
OTHER		1,903	11,250
TOTAL CURRENT LIABILITIES		6,131,969	5,928,913
COMMITMENTS AND CONTINGENCIES (NOTES C, G, H AND I)		365,140,360	\$62,025,081

The accompanying notes are an integral part of these statements.



# Statements of Earnings

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YEARS ENDED DECEMBER 31,	1991	1990
<b>OPERATING REVENUES</b>		
<b>SALES OF ELECTRICITY</b>		
COMMERCIAL AND INDUSTRIAL	\$17,619,999	\$19,110,353
RESIDENTIAL	12,658,326	13,278,212
SALES FOR RESALE (NOTE G)	4,649,131	6,208,181
MUNICIPAL	1,443,325	1,419,365
	<u>36,370,781</u>	<u>40,016,111</u>
OTHER OPERATING REVENUES	151,131	152,495
TOTAL OPERATING REVENUES	<u>36,521,912</u>	<u>40,168,606</u>
<b>OPERATING EXPENSES</b>		
POWER PRODUCTION	19,858,897	24,172,260
TRANSMISSION AND DISTRIBUTION	2,136,180	2,121,852
CUSTOMER ACCOUNTING	1,194,349	1,075,530
ADMINISTRATIVE AND GENERAL (NOTES A3, A5 AND H)	8,356,788	4,966,310
DEPRECIATION (NOTE A2)	3,191,265	2,809,321
NUCLEAR EXPENSE	258,522	186,955
	<u>31,996,101</u>	<u>35,332,228</u>
EARNINGS FROM OPERATIONS	4,525,811	4,836,378
<b>OTHER EXPENSE (INCOME)</b>		
INTEREST EXPENSE	1,462,403	1,507,218
OTHER EXPENSE	10,999	11,566
INTEREST INCOME (NOTE B)	(451,789)	(659,213)
OTHER INCOME (NOTE I)	(50,000)	
	<u>971,613</u>	<u>859,971</u>
TOTAL OTHER EXPENSE	971,613	859,971
NET EARNINGS BEFORE PROVISION FOR PAYMENT IN LIEU OF TAXES	3,554,198	3,976,407
PROVISION FOR PAYMENT IN LIEU OF TAXES (NOTE F)	2,360,000	2,360,000
NET EARNINGS	<u>\$ 1,194,198</u>	<u>\$ 1,616,407</u>

# Statements of Retained Earnings

YEARS ENDED DECEMBER 31, 1991 AND 1990	APPROPRIATED RETAINED EARNINGS		UNAPPROPRIATED RETAINED EARNINGS
	LOAN REPAYMENT	CONSTRUCTION REPAYMENT	
BALANCE AT DECEMBER 31, 1989	\$13,512,000	\$32,434	\$22,454,740
TRANSFER FOR BOND REPAYMENT	565,000		(565,000)
NET EARNINGS			1,616,407
BALANCE AT DECEMBER 31, 1990	14,077,000	32,434	23,506,147
TRANSFER FOR BOND REPAYMENT	610,000		(610,000)
NET EARNINGS			1,194,198
BALANCE AT DECEMBER 31, 1991	<u>\$14,687,000</u>	<u>\$32,434</u>	<u>\$24,090,345</u>

The accompanying notes are an integral part of these statements

# Statement of Cash Flows

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YEARS ENDED DECEMBER 31,	1991	1990
INCREASE (DECREASE) IN CASH		
CASH FLOWS FROM OPERATING ACTIVITIES:		
NET EARNINGS	\$ 1,194,198	\$ 1,616,407
ADJUSTMENTS TO RECONCILE NET EARNINGS TO NET CASH PROVIDED BY OPERATING ACTIVITIES:		
DEPRECIATION	3,191,265	2,809,321
AMORTIZATION OF BOND PREMIUM	(3,354)	(3,354)
EQUITY IN LOSSES OF SEABROOK INVESTMENT	3,443	63,577
CHANGE IN ASSETS AND LIABILITIES:		
DECREASE IN CUSTOMER DEPOSIT FUNDS	18,053	23,228
DECREASE (INCREASE) IN ACCOUNTS RECEIVABLE	493,704	1,091
DECREASE (INCREASE) IN INVENTORY	387,851	(207,370)
(INCREASE) DECREASE IN PREPAID EXPENSES	(3,616)	166,259
INCREASE IN LIGHTWAVES	(71,237)	(149,267)
INCREASE (DECREASE) IN ACCOUNTS PAYABLE	66,964	(8,203)
INCREASE IN CUSTOMER CREDITS	1,964,173	
INCREASE (DECREASE) IN CUSTOMER DEPOSITS	1,796	(27,200)
INCREASE IN ACCRUED COMPENSATED ABSENCES	138,059	189,119
DECREASE IN ACCRUED INTEREST	(18,808)	(17,186)
INCREASE (DECREASE) IN ACCRUED PAYROLL	10,369	(24,221)
(DECREASE) INCREASE IN OTHER ACCRUED LIABILITIES	(8,447)	11,350
NET CASH PROVIDED BY OPERATING ACTIVITIES	7,360,183	4,443,529
CASH FLOWS FROM INVESTING ACTIVITIES:		
NET ADDITIONS TO UTILITY PLANT	(7,177,334)	(3,964,302)
INCREASE IN SICK LEAVE TRUST FUND	(145,013)	(216,458)
REPAYMENT OF ADVANCE TO QUEBEC HYDRO PROJECT	13,162	44,912
INCREASE IN DEFERRED DEBITS	(1,643,361)	
INCREASE IN DEFERRED CREDITS	401,359	
NET CASH USED IN INVESTING ACTIVITIES	(8,551,187)	(4,135,848)
CASH FLOWS FROM FINANCING ACTIVITIES:		
PAYMENT OF LONG-TERM DEBT	(610,000)	(565,000)
NET (DECREASE) IN CASH	(1,801,004)	(257,319)
CASH AT BEGINNING OF YEAR	14,182,060	14,439,379
CASH AT END OF YEAR	\$12,381,056	\$14,182,060
CASH AT END OF YEAR IS REFLECTED ON THE BALANCE SHEETS AS FOLLOWS:		
DEPRECIATION FUND	10,461,267	12,347,028
CASH	1,919,789	1,835,032
	\$12,381,056	\$14,182,060
SUPPLEMENTAL DISCLOSURE OF CASH FLOW INFORMATION:		
CASH PAID DURING THE YEAR FOR INTEREST	\$ 1,484,565	\$ 1,527,758

*The accompanying notes are an integral part of these statements.*

## NOTE A - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

A SUMMARY OF TAUNTON MUNICIPAL LIGHTING PLANT'S (THE "PLANT") SIGNIFICANT ACCOUNTING POLICIES CONSISTENTLY APPLIED IN THE PREPARATION OF THE ACCOMPANYING FINANCIAL STATEMENTS FOLLOWS.

## 1. RATES

RATES CHARGED BY THE PLANT ARE NOT SUBJECT TO THE APPROVAL OF REGULATORY AGENCIES. PURSUANT TO STATE LAWS, RATES MUST BE SUCH THAT THE RESULTING NET EARNINGS BEFORE PAYMENT TO THE CITY, LESS BOND PAYMENTS AND INTEREST INCOME, DO NOT EXCEED 8% OF THE COST OF UTILITY PLANT. THE PLANT'S RESULTING NET EARNINGS AMOUNTED TO 3.2% AND 3.7% OF UTILITY PLANT IN 1991 AND 1990, RESPECTIVELY.

## 2. DEPRECIATION

PURSUANT TO THE DEPARTMENT OF PUBLIC UTILITIES REGULATIONS, DEPRECIATION IS CALCULATED AS A PERCENTAGE OF DEPRECIABLE PROPERTY AT JANUARY 1. DEPRECIATION IS COMPUTED AT 4% OF THE COST OF DEPRECIABLE PROPERTY.

DEPRECIATION FUND CASH IS USED IN ACCORDANCE WITH STATE LAWS FOR REPLACEMENTS AND ADDITIONS TO THE ELECTRIC PLANT IN SERVICE.

## 3. PENSION PLAN

SUBSTANTIALLY ALL EMPLOYEES OF THE PLANT ARE COVERED BY A CONTRIBUTORY PENSION PLAN ADMINISTERED BY THE CITY OF TAUNTON IN CONFORMITY WITH STATE RETIREMENT BOARD REQUIREMENTS (SEE NOTE H).

## 4. INVENTORY

MATERIALS AND SUPPLIES INVENTORY IS CARRIED AT COST, PRINCIPALLY ON THE AVERAGE COST METHOD.

## 5. SICK LEAVE TRUST FUND

THE PLANT ESTABLISHED A SICK LEAVE TRUST FUND ("TRUST") IN 1982 FOR THE FINANCING OF FUTURE SICK LEAVE PAYMENTS. IT IS THE PLANT'S INTENTION THAT THE TRUST BE FUNDED TO THE EXTENT OF THE PLANT'S SICK LEAVE LIABILITY, AT WHICH TIME THE TRUST WILL MAKE ALL SICK LEAVE LIABILITY PAYMENTS REQUIRED UNDER CURRENT PLANT POLICIES. THE ASSETS OF THE TRUST ARE SHOWN IN THE FINANCIAL STATEMENTS TO PROVIDE A MORE MEANINGFUL PRESENTATION, AS THE ASSETS OF THE TRUST ARE FOR THE SOLE BENEFIT OF THE PLANT. THE ASSETS OF THE TRUST ARE SHOWN AT COST. THE MARKET VALUE OF THE TRUST ASSETS AT DECEMBER 31, 1991 AND 1990, WERE \$2,329,807 AND \$2,041,073, RESPECTIVELY. THE FUNDS ARE INVESTED IN MONEY MARKET FUNDS, TREASURY NOTES, MUTUAL FUNDS WHICH INVEST IN GOVERNMENT SECURITIES, COMMON STOCKS, AND A CORPORATE BOND. NET INVESTMENT INCOME FOR THE TRUST OF APPROXIMATELY \$155,000 AND \$120,000 IN 1991 AND 1990, RESPECTIVELY, IS REFLECTED IN THE STATEMENTS OF EARNINGS AS AN OFFSET TO COMPENSATED ABSENCE EXPENSE, AS THESE FUNDS ARE RESTRICTED AND CAN ONLY BE USED FOR THE PAYMENT OF SICK LEAVE BENEFITS.

## 6. CUSTOMER CREDITS

THE PLANT'S RATES INCLUDE A PURCHASED POWER COST ADJUSTMENT (PPCA) WHICH ALLOWS AN ADJUSTMENT OF RATES CHARGED TO CUSTOMERS IN ORDER TO RECOVER ALL CHANGES IN POWER COSTS FROM STIPULATED BASE COSTS. THE PPCA PROVIDES FOR A QUARTERLY RECONCILIATION OF TOTAL POWER COSTS BILLED WITH THE ACTUAL COST OF POWER INCURRED. ANY EXCESS OR DEFICIENCY IN AMOUNTS COLLECTED AS COMPARED TO COSTS INCURRED IS DEFERRED AND EITHER CREDITED OR BILLED TO CUSTOMERS OVER SUBSEQUENT PERIODS.

## NOTE B - CASH

THE PLANT'S CASH IS DEPOSITED WITH THE CITY OF TAUNTON TREASURER WHO COMMINGLES IT WITH OTHER CITY FUNDS. THE CITY INVESTS THE CASH AND CREDITS THE PLANT EACH YEAR WITH INTEREST EARNED ON CERTAIN OF THE CASH DEPOSITS.

CASH DEPOSITED WITH THE CITY OF TAUNTON CONSISTS OF THE FOLLOWING AT DECEMBER 31.

	1991	1990
NON-INTEREST BEARING POOLED FUNDS INCLUDING RESTRICTED CUSTOMER DEPOSITS OF \$139,486 AND \$162,874, RESPECTIVELY	\$ 4,244,345	\$ 5,196,778
CERTIFICATES OF DEPOSIT WITH RATES OF 6% FOR 1991 AND OF 7.30% TO 8.85% FOR 1990	2,000,000	9,293,155
SAVINGS ACCOUNTS	6,429,531	
	<u>\$12,673,876</u>	<u>\$14,489,933</u>

CASH AT DECEMBER 31, IS REFLECTED AS FOLLOWS:

	1991	1990
DEPRECIATION FUND	\$10,461,267	\$12,347,028
CASH	1,919,789	1,835,032
CUSTOMER DEPOSIT PRINCIPAL FUND	278,629	276,863
CUSTOMER DEPOSIT INTEREST FUND	14,191	31,010
	<u>\$12,673,876</u>	<u>\$14,489,933</u>

Continued on next page.

NOTE C - INVESTMENT IN SEABROOK

THE PLANT IS A 0.10034% JOINT OWNER OF THE SEABROOK NEW HAMPSHIRE UNITS 1 AND 2, STEAM GENERATING STATION. SEABROOK UNIT 2 HAS BEEN CANCELLED BY THE JOINT OWNERS, AND THE PLANT WROTE-OFF ITS INVESTMENT IN THE UNIT DURING 1987.

ON MARCH 1, 1990, THE U.S. NUCLEAR REGULATORY COMMISSION (NRC) AUTHORIZED A FULL-POWER OPERATING LICENSE FOR SEABROOK UNIT 1. THE UNIT BEGAN ITS POWER ASCENSION TESTING PROGRAM IN MARCH 1990, AND ON JUNE 30, 1990, THE UNIT WAS TURNED OVER TO THE NEW ENGLAND POWER POOL (NEPOOL) FOR DISPATCH. THE PLANT'S PORTION OF OPERATING INCOME AND LOSSES FROM SEABROOK UNIT 1 IS ACCOUNTED FOR UNDER THE EQUITY METHOD OF ACCOUNTING.

IN ADDITION, PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE, THE LEAD PARTICIPANT IN THE SEABROOK PROJECT, IS OPERATING UNDER CHAPTER 51 BANKRUPTCY. THE PLANT IS UNABLE TO PREDICT WHETHER THIS WILL HAVE ANY EFFECT ON THE ULTIMATE COMMERCIAL OPERATION OF THE UNIT.

NOTE D - OTHER ASSETS

THE PLANT HAS INITIATED AN ENERGY SAVING PROGRAM FOR COMMERCIAL AND INDUSTRIAL CUSTOMERS KNOWN AS LIGHTWAVES. THE PROGRAM ENTITLES THE CUSTOMER TO A FREE ENERGY AUDIT AND INSTALLATION OF ENERGY EFFICIENT EQUIPMENT. CUSTOMERS ARE REQUIRED TO PAY A MONTHLY FEE FOR A 60 MONTH PERIOD. THE FEE IS BASED UPON THE ADMINISTRATIVE COSTS RELATED TO THE PROGRAM. AS OF DECEMBER 31, 1991 AND 1990, THE PLANT HAS DEFERRED COSTS OF \$220,524 AND \$149,287, RESPECTIVELY, TO BE BILLED TO CUSTOMERS.

NOTE E - LONG-TERM DEBT

LONG-TERM DEBT IS COMPRISED OF THE FOLLOWING BONDS:

	1991	1990
ELECTRIC LOAN, ACT OF 1969		
INTEREST RATE - VARIOUS RATES FROM 7.3% TO 3%		
INTEREST PAYABLE FEBRUARY 1 AND AUGUST 1,		
DUE SERIALLY TO FEBRUARY 1, 2006	\$18,430,000	\$19,040,000
UNAMORTIZED PREMIUM	47,233	50,587
	18,477,233	19,090,587
LESS CURRENT MATURITIES	660,000	610,000
TOTAL LONG-TERM DEBT	\$17,817,233	\$18,480,587

AGGREGATE MATURITIES OF LONG-TERM DEBT AT DECEMBER 31, 1991, ARE AS FOLLOWS:

1992	\$ 660,000
1993	715,000
1994	775,000
1995	840,000
1996	910,000
1997 AND THEREAFTER	14,530,000
	\$18,430,000

NOTE F - CONTRIBUTION IN LIEU OF TAXES

THE PLANT CONTRIBUTED \$2,360,000 IN 1991 AND 1990 TO THE CITY OF TAUNTON IN LIEU OF TAXES. ALL CONTRIBUTIONS TO THE CITY ARE VOTED BY THE MUNICIPAL LIGHT COMMISSION.

NOTE G - COMMITMENTS AND CONTINGENCIES

INTERCONNECTION AGREEMENT

THE CITY OF TAUNTON, ACTING BY VOTE OF ITS MUNICIPAL LIGHTING PLANT COMMISSION, ENTERED INTO AN AGREEMENT WITH MONTAUP ELECTRIC COMPANY ("MONTAUP"), DATED JULY 31, 1970, AS AMENDED, CONCERNING INTERCONNECTION OF ELECTRICAL OPERATIONS, PURCHASE AND SALE OF KILOWATT CAPACITY, AND CONSTRUCTION BY TAUNTON OF A GENERATING UNIT OF APPROXIMATELY 110 MEGAWATT CAPABILITY. THE AGREEMENT, ORIGINALLY FOR THE TWELVE (12) YEARS FOLLOWING THE COMMENCEMENT OF OPERATIONS OF UNIT NO. 9 ON DECEMBER 1, 1975, WAS AMENDED AND THE TERM EXTENDED TO OCTOBER 31, 1988. UNDER THE CURRENT INFORMAL INTERCONNECTION AGREEMENT, THE CITY AGREES TO EXCHANGE WITH MONTAUP ELECTRIC COMPANY FIFTEEN (15) MEGAWATTS OF UNIT NO. 9 CAPACITY FOR TEN (10) MEGAWATTS OF CAPACITY FROM THE CANAL NO. 2 GENERATING UNIT, 50% OF WHICH IS OWNED BY MONTAUP. SINCE THE EXPIRATION OF THIS AGREEMENT, THE PLANT AND MONTAUP HAVE CONTINUED THIS ARRANGEMENT WITHOUT A FORMAL AGREEMENT IN PLACE. THE PLANT CREDITED TO SALES FOR RESALE \$642,751 AND \$1,115,832 OF CAPACITY AND ENERGY CHARGES BILLED TO MONTAUP ELECTRIC COMPANY IN 1991 AND 1990, RESPECTIVELY, FOR ITS SHARE OF POWER UNDER THE INTERCONNECTION AGREEMENT.

NOTE G - COMMITMENTS AND CONTINGENCIES (CONT.)

HYDRO-QUEBEC AGREEMENT

IN 1988, THE PLANT ENTERED INTO AN AGREEMENT WITH THE MASSACHUSETTS MUNICIPAL WHOLESAL ELEC TRIC COMPANY AND OTHER NEW ENGLAND UTILITIES TO SUPPORT THE OPERATION OF A TRANSMISSION LINE TO PERMIT THE INTERCHANGE OF ELECTRICITY BETWEEN SUCH UTILITIES AND HYDRO-QUEBEC ELECTRIC CORPORATION (HYDRO-QUEBEC). IN CONNECTION WITH THE AGREEMENT, THE PLANT ADVANCED APPROXIMATELY \$800,000 TOWARD DEVELOPMENT OF THE PROJECT OF WHICH APPROXIMATELY \$450,000 WAS RETURNED AFTER THE PROJECT HAD OBTAINED FINANCING.

NOTE H - PENSION PLANS

THE PLANT CONTRIBUTES TO THE CITY OF TAUNTON EMPLOYEES' RETIREMENT SYSTEM ("SYSTEM"), A PUBLIC EMPLOYEE RETIREMENT SYSTEM THAT ACTS AS THE INVESTMENT AND ADMINISTRATIVE AGENT FOR THE CITY. ALL FULL-TIME EMPLOYEES PARTICIPATE IN THE SYSTEM.

INSTITUTED IN 1937, THE SYSTEM IS A MEMBER OF THE MASSACHUSETTS CONTRIBUTORY SYSTEM AND IS GOVERNED BY MASSACHUSETTS GENERAL LAWS CHAPTER 32. MEMBERSHIP IN THE SYSTEM IS MANDATORY UPON THE COMMENCEMENT OF EMPLOYMENT FOR ALL PERMANENT, FULL-TIME EMPLOYEES.

THE SYSTEM PROVIDES FOR RETIREMENT ALLOWANCE BENEFITS UP TO A MAXIMUM OF 80% OF A MEMBER'S HIGHEST THREE-YEAR AVERAGE ANNUAL RATE OF REGULAR COMPENSATION. BENEFIT PAYMENTS ARE BASED UPON A MEMBER'S AGE, LENGTH OF CREDITABLE SERVICE, LEVEL OF COMPENSATION AND GROUP CLASSIFICATION. MEMBERS JOINING THE SYSTEM AFTER JANUARY 1, 1978 ARE SUBJECT TO A CAP OF \$30,000 ON THE LEVEL OF COMPENSATION UPON WHICH THEIR BENEFITS ARE CALCULATED.

MEMBERS OF THE SYSTEM BECOME VESTED AFTER 10 YEARS OF CREDITABLE SERVICE. A RETIREMENT ALLOWANCE MAY BE RECEIVED UPON REACHING AGE 65 OR UPON ATTAINING TWENTY YEARS OF SERVICE. THE SYSTEM ALSO PROVIDES FOR EARLY RETIREMENT AT AGE 55 IF THE PARTICIPANT (1) HAS A RECORD OF 10 YEARS OF CREDITABLE SERVICE, (2) WAS ON THE CITY'S PAYROLL ON JANUARY 1, 1978, (3) VOLUNTARILY LEFT CITY EMPLOYMENT ON OR AFTER THAT DATE, AND (4) LEFT ACCUMULATED ANNUITY DEDUCTIONS IN THE FUND. ACTIVE MEMBERS CONTRIBUTE EITHER 5%, 7% OR 8% OF THEIR REGULAR COMPENSATION DEPENDING ON THE DATE UPON WHICH THEIR MEMBERSHIP BEGAN. THE SYSTEM ALSO PROVIDES DEATH AND DISABILITY BENEFITS.

THE SYSTEM DOES NOT MAKE A SEPARATE MEASUREMENT OF ASSETS AND THE PENSION BENEFIT OBLIGATION FOR THE PLANT. THE PENSION BENEFIT OBLIGATION IS A STANDARDIZED DISCLOSURE MEASURE OF THE PRESENT VALUE OF PENSION BENEFITS, ADJUSTED FOR THE EFFECTS OF PROJECTED SALARY INCREASES AND STEP-RATE BENEFITS, ESTIMATED TO BE PAYABLE IN THE FUTURE AS A RESULT OF EMPLOYEE SERVICE TO DATE. THE MEASURE IS INTENDED TO HELP USERS ASSESS THE FUNDING STATUS OF THE SYSTEM ON A GOING-CONCERN BASIS, ASSESS PROGRESS MADE IN ACCUMULATING SUFFICIENT ASSETS TO PAY BENEFITS WHEN DUE, AND MAKE COMPARISONS AMONG EMPLOYERS. THE MEASURE IS THE ACTUARIAL PRESENT VALUE OF CREDITED PROJECTED BENEFITS AND IS INDEPENDENT OF THE FUNDING METHOD USED TO DETERMINE CONTRIBUTIONS TO THE SYSTEM.

THE PENSION BENEFIT OBLIGATION AT JANUARY 1, 1991, FOR THE SYSTEM AS A WHOLE, DETERMINED THROUGH AN ACTUARIAL VALUATION PERFORMED AS OF THAT DATE, WAS \$70,661,000. THE SYSTEM'S NET ASSETS AVAILABLE FOR BENEFITS ON THAT DATE (VALUED AT BOOK) WERE \$32,332,000, LEAVING AN UNFUNDED PENSION BENEFIT OBLIGATION OF \$38,329,000.

THE PLANT'S SHARE OF THE UNFUNDED PENSION BENEFIT OBLIGATION HAS NOT BEEN DETERMINED.

THE SYSTEM'S FUNDING POLICY FOR THE PARTICIPATING ENTITIES IS NOT ACTUARIAL LY DETERMINED. THE PARTICIPATING ENTITIES ARE REQUIRED TO CONTRIBUTE EACH FISCAL YEAR AN AMOUNT APPROXIMATING THE PENSION BENEFITS (LESS CERTAIN INTEREST CREDITS) EXPECTED TO BE PAID DURING THE YEAR ("PAY-AS-YOU-GO" METHOD). THIS AMOUNT IS DETERMINED IN ADVANCE BY THE PUBLIC EMPLOYEES RETIREMENT ADMINISTRATION (PERA) AND IS BASED IN PART ON THE PREVIOUS YEAR'S BENEFIT PAYOUT. NO ACTUARIAL INFORMATION IS USED IN DETERMINING THIS AMOUNT. THE COMMONWEALTH OF MASSACHUSETTS CURRENTLY REIMBURSES THE SYSTEM ON A QUARTERLY BASIS FOR THE PORTION OF BENEFIT PAYMENTS OWING TO COST-OF-LIVING INCREASES GRANTED AS SPECIFIED.

THE EFFECT ON THE ACCOMPANYING FINANCIAL STATEMENTS OF THE DEPARTURE FROM GENERALLY ACCEPTED ACCOUNTING PRINCIPLES REFERRED TO IN THE PREVIOUS PARAGRAPH HAS NOT BEEN DETERMINED.

TEN-YEAR HISTORICAL TREND INFORMATION SHOWING THE SYSTEM'S PROGRESS IN ACCUMULATING SUFFICIENT ASSETS TO PAY BENEFITS WHEN DUE IS PRESENTED IN THE CITY OF TAUNTON'S GENERAL PURPOSE FINANCIAL STATEMENTS.

IN ADDITION, THE PLANT HAS ESTABLISHED A SEPARATE EMPLOYEES RETIREMENT TRUST FOR THE FINANCING OF FUTURE PENSION PAYMENTS. THE RETIREMENT TRUST HAD NET ASSETS OF \$10,398,459 AND \$9,197,911 AT DECEMBER 31, 1991 AND 1990, RESPECTIVELY.

THE PLANT RECORDED PENSION EXPENSE OF \$1,689,745 AND \$1,559,798 IN 1991 AND 1990, WHICH INCLUDES CONTRIBUTIONS TO THE RETIREMENT TRUST OF \$350,000 FOR BOTH YEARS.

*Continued on next page.*

NOTE I - COAL PROJECT

ON JANUARY 31, 1991, THE PLANT ENTERED INTO CONTRACTS WITH SILVER CITY ENERGY LIMITED PARTNERSHIP (THE "DEVELOPER"), A DELAWARE LIMITED PARTNERSHIP. THE CONTRACTS PERTAIN TO THE LEASING OF A 25 ACRE PARCEL, OWNED BY THE PLANT, ADJACENT TO THE PLANT'S CLEARFLOOD STATION AND THE SUBSEQUENT BUILDING OF A COAL FIRED ELECTRIC GENERATING FACILITY (COAL PLANT) BY THE DEVELOPER.

THE GROUND LEASE EXTENDS FOR A PERIOD OF FORTY YEARS. RENTAL PAYMENTS TO THE PLANT WILL BE \$50,000 PER YEAR UNTIL SEPTEMBER 15, 1994, \$500,000 PER YEAR UNTIL OPERATIONS COMMENCE, AND \$1,100,000 PER YEAR FOR THE REMAINING LEASE TERM.

THE PLANT HAS AGREED TO PURCHASE 20% OF THE POWER GENERATED ONCE THE COAL PLANT IS IN OPERATION, WHICH IS APPROXIMATELY 30 MEGAWATTS. THE AGREEMENT IS FOR TWENTY YEARS.

THE PLANT HAS SECURED A MORTGAGE ON THE BUILDINGS AND FACILITIES TO BE CONSTRUCTED TO SECURE PAYMENT OF THE AGGREGATE DIFFERENTIAL. THE AGGREGATE DIFFERENTIAL REPRESENTS FUNDS TO BE PAID TO THE PLANT IN THE EVENT THAT THE PROJECT IS NOT COMPLETED. PAYMENT IS BASED ON A DOLLAR VALUE PER KILOWATT WHICH INCREASES OVER THE DURATION OF THE CONSTRUCTION PERIOD.


COMMENCEMENT OF OPERATIONS OF THE COAL PLANT IS SCHEDULED FOR SEPTEMBER 15, 1994. IF OPERATIONS DO NOT COMMENCE BY SEPTEMBER 15, 1996, THE PLANT MAY TERMINATE ALL CONTRACTS WITH THE DEVELOPER.

AS OF DECEMBER 31, 1991, THE PLANT HAS CAPITALIZED APPROXIMATELY \$1,350,375 OF LEGAL AND ADMINISTRATIVE COSTS WHICH ARE INCLUDED IN CONSTRUCTION WORK IN PROGRESS. THESE COSTS WILL BE AMORTIZED OVER THE CONTRACT PERIOD ONCE OPERATIONS HAVE COMMENCED.

WITH RESPECT TO THE PROPOSED PLANT CONSTRUCTION, THE PLANT IS INVOLVED IN CERTAIN LEGAL MATTERS RELATING TO ZONING. IN THE OPINION OF MANAGEMENT, THE ULTIMATE RESOLUTION OF THESE MATTERS WILL NOT HAVE A MATERIAL EFFECT ON THE FINANCIAL STATEMENTS.

NOTE J - SHUTDOWN UNIT #9

THE PLANT SHUTDOWN UNIT #9 FROM SEPTEMBER 28, 1991, THROUGH NOVEMBER 28, 1991, FOR A FIVE YEAR MAINTENANCE OVERHAUL. THE TOTAL COST RELATED TO THIS SHUTDOWN WAS \$1,843,361 AT DECEMBER 31, 1991. THESE COSTS ARE EXPECTED TO BE RECOVERED THROUGH RATE ADJUSTMENTS AND WILL BE AMORTIZED FOR WHOLESALE AND RETAIL CUSTOMERS OVER ONE YEAR AND FIVE YEARS, RESPECTIVELY, BEGINNING IN 1992. OTHER UTILITIES THAT RECEIVE POWER FROM UNIT #9 ARE BEING BILLED FOR THEIR PERCENTAGE OF THESE COSTS. THE PLANT BEGAN BILLING THESE UTILITIES IN MAY 1991. THE TOTAL BILLED AT DECEMBER 31, 1991, WAS \$401,359 AND WILL BE AMORTIZED OVER FIVE YEARS BEGINNING IN 1992.

*These financial statements were printed on recycled paper.* 

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Massachusetts Municipal Wholesale Electric Company

1991

Financial Statements

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## *Independent Auditors' Report*

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The Board of Directors

Massachusetts Municipal Wholesale Electric Company:

We have audited the accompanying statements of financial position of Massachusetts Municipal Wholesale Electric Company (a Massachusetts public corporation) as of December 31, 1991, 1990 and 1989 and the related statements of operations and cash flows for the years then ended. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audits in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Massachusetts Municipal Wholesale Electric Company as of December 31, 1991, 1990 and 1989, and the results of its operations and its cash flows for the years then ended in conformity with generally accepted accounting principles.

*KPMG Peat Marwick*

February 12, 1992

**MMWEC**  
**Statements of Financial Position**

Years Ended December 31, 1991, 1990 and 1989  
(In Thousands)

	1991	1990	1989
<b>Assets</b>			
Electric Plant			
In Service (Note 4)	\$ 1,231,621	\$ 1,230,094	\$ 390,938
Accumulated Depreciation	<u>(157,897)</u>	<u>(115,238)</u>	<u>(86,456)</u>
	1,073,724	1,114,856	304,482
Under Construction (Note 4)	-	-	799,463
Nuclear Fuel - net of amortization	<u>32,226</u>	<u>40,860</u>	<u>44,560</u>
Total Electric Plant	<u>1,105,950</u>	<u>1,155,716</u>	<u>1,148,505</u>
Special Funds (Notes 2, 3 and 8)	<u>256,187</u>	<u>256,253</u>	<u>269,585</u>
<b>Current Assets</b>			
Cash and Temporary Investments (Note 8)	1,828	1,809	1,826
Accounts Receivable	5,723	5,736	7,610
Unbilled Revenues	8,718	9,065	7,373
Inventories at Cost	19,663	17,182	8,816
Prepaid Expenses	<u>5,643</u>	<u>5,810</u>	<u>2,152</u>
	<u>41,575</u>	<u>39,608</u>	<u>27,777</u>
Total Special Funds and Current Assets	<u>297,762</u>	<u>295,861</u>	<u>297,362</u>
<b>Deferred Charges</b>			
Amounts Recoverable (Payable) Under Terms of the Power Sales Agreements (Note 5)	35,005	(4,862)	329
Unamortized Debt Discount and Expenses	35,322	36,835	38,348
Other	<u>6,242</u>	<u>4,617</u>	<u>3,128</u>
	<u>76,569</u>	<u>36,590</u>	<u>41,805</u>
	<u>\$ 1,480,281</u>	<u>\$ 1,488,167</u>	<u>\$ 1,487,672</u>
<b>Liabilities</b>			
Long-Term Debt			
Bonds Payable (Note 3)	<u>\$ 1,380,955</u>	<u>\$ 1,409,775</u>	<u>\$ 1,427,185</u>
<b>Current Liabilities</b>			
Current Maturities of Long-Term Debt (Note 3)	19,765	17,280	16,270
Notes Payable (Note 3)	-	1	25
Accounts Payable	16,409	9,710	13,708
Accrued Expenses	9,376	8,416	4,634
Member and Participant Advances and Reserves	<u>53,776</u>	<u>42,985</u>	<u>25,850</u>
	<u>99,326</u>	<u>78,392</u>	<u>60,487</u>
Commitments and Contingencies (Notes 4 and 7)	<u>\$ 1,107,326</u>	<u>\$ 1,488,167</u>	<u>\$ 1,487,672</u>

*The accompanying notes are an integral part of these financial statements.*

**MMWEC**  
**Statements of Operations**

Years Ended December 31, 1991, 1990 and 1989  
(In Thousands)

	1991	1990	1989
Revenues	\$ 276,487	\$ 257,679	\$ 258,035
Interest Income	18,925	23,725	26,294
Total Revenues and Interest Income	<u>\$ 295,412</u>	<u>\$ 281,404</u>	<u>\$ 284,329</u>
Operating and Service Expenses:			
Fuel Used in Electric Generation	\$ 28,917	\$ 27,658	\$ 34,955
Purchased Power	78,789	87,121	82,355
Other Operating	32,147	23,792	12,854
Maintenance	11,393	4,517	4,664
Depreciation	44,016	29,033	13,995
Taxes Other Than Income	7,312	3,837	2,919
	<u>202,574</u>	<u>175,958</u>	<u>151,742</u>
Interest Expense:			
Interest Charges	135,445	137,077	138,311
Interest Charged to Projects During Construction (Note 4)	(967)	(36,822)	(72,231)
	<u>134,478</u>	<u>100,255</u>	<u>66,080</u>
Total Operating Costs and Interest Expense	<u>337,052</u>	<u>276,213</u>	<u>217,822</u>
Reserve for Project Billings - Net (Note 7)	-	-	(2,722)
Gain on Cancelled Units - Net (Note 5)	(1,069)	-	-
Gain on Retirement of Debt	(704)	-	-
	<u>(1,773)</u>	<u>-</u>	<u>(2,722)</u>
Decrease (Increase) in Amounts Recoverable Under Terms of the Power Sales Agreements (Note 4)	(39,867)	5,191	69,229
	<u>\$ 295,412</u>	<u>\$ 281,404</u>	<u>\$ 284,329</u>

*The accompanying notes are an integral part of these financial statements.*

## MMWEC

*Statements of Cash Flows*

Years Ended December 31, 1991, 1990 and 1989  
(In Thousands)

	1991	1990	1989
Cash flows from operating activities:			
Total Revenues and Interest Income	\$ 295,412	\$ 281,404	\$ 284,329
Total Expenses	(335,279)	(276,213)	(215,100)
Adjustments to arrive at net cash provided by operating activities:			
Depreciation and decommissioning	44,656	29,408	14,131
Amortization	13,602	10,178	3,203
Reserve for Project Billings	-	-	(2,722)
Gain on land taken by eminent domain	(292)	(713)	-
Change in current assets & liabilities:			
Accounts Receivable	13	1,908	2,588
Unbilled Revenues	347	(1,692)	(312)
Inventories	(2,481)	(4,432)	1,279
Prepaid Expenses	173	(3,219)	79
Accounts Payable	5,703	(3,629)	(1,975)
Accrued Expenses and Other	(508)	1,934	604
Member and Participant Advances and Reserves	10,791	17,135	1,682
Net cash provided by operating activities	<u>32,136</u>	<u>52,069</u>	<u>87,786</u>
Cash flows from investing activities:			
Construction expenditures and purchases of nuclear fuel	(4,612)	(12,510)	(2,683)
Interest Charged to Projects During Construction	(967)	(36,822)	(72,231)
Net reduction in Special Funds	66	13,332	5,541
Decommissioning Trust payments	(997)	(747)	(2,423)
Proceeds from property disposal and other	729	1,085	199
Net cash used for investing activities	<u>(5,781)</u>	<u>(35,662)</u>	<u>(71,597)</u>
Cash flows from financing activities:			
Payments for principal of Long-Term Debt	(26,335)	(16,400)	(16,495)
Change in Notes Payable	(1)	(24)	(6)
Net cash used for financing activities	<u>(26,336)</u>	<u>(16,424)</u>	<u>(16,501)</u>
Net decrease in cash and temporary investments	19	(17)	(312)
Cash and temporary investments at beginning of year	<u>1,809</u>	<u>1,826</u>	<u>2,138</u>
Cash and temporary investments at end of year	<u>\$ 1,828</u>	<u>\$ 1,809</u>	<u>\$ 1,826</u>
Cash paid during the year for interest (Net of amount capitalized as shown above)	<u>\$ 132,966</u>	<u>\$ 95,315</u>	<u>\$ 56,874</u>

*The accompanying notes are an integral part of these financial statements.*

## MMWEC Notes to Financial Statements

### (1) Massachusetts Municipal Wholesale Electric Company (MMWEC)

MMWEC is a political subdivision of the Commonwealth of Massachusetts, authorized to issue revenue bonds secured by revenues derived from Power Sales Agreements (see Note 7) with its members and other electric systems to finance the construction and ownership of electric power facilities.

A Massachusetts city or town having a municipal electric department, authorized by majority vote of the city or town, may become a member by applying for admission to MMWEC and agreeing to comply with the terms and conditions of membership as the MMWEC By-Laws may require. As of December 31, 1991, twenty-nine Massachusetts municipalities were members.

MMWEC obtains power supply capacity by acquiring interests in various generating units and the operation of its own electric generating facilities (Projects). See Note 4 for a discussion of MMWEC's electric generation facilities and commitments relating thereto. In addition, MMWEC contracts for power for resale to its members.

### (2) Significant Accounting Policies

MMWEC presents its financial statements in accordance with generally accepted accounting principles as promulgated by the Financial Accounting Standards Board and the Governmental Accounting Standards Board.

#### *Interest Charged to Projects During Construction*

MMWEC capitalizes interest as an element of the cost of electric plant and other property while under construction, including an appropriate testing period. A corresponding amount is reflected as a reduction of interest expense. The amount of interest capitalized is based on the cost of debt including amortization of debt discount and expenses, related to each Project, net of investment gains and losses and interest income derived from unexpended Project funds.

#### *Nuclear Fuel*

Nuclear fuel includes MMWEC's ownership interest of fuel in use, in stock and in process for Millstone Unit 3 and Seabrook Station. Fuel in use is reflected net of accumulated amortization of \$27.7, \$15.6 and \$7.0 million through December 31, 1991, 1990 and 1989, respectively. The cost of nuclear fuel is amortized to Fuel Used in Electric Generation based on the relationship of energy produced in the current period to total expected energy production for nuclear fuel in the reactor. A provision for fuel disposal costs is also included in Fuel Used in Electric Generation based upon fuel disposal contracts with the Department of Energy.

#### *Special Funds*

Proceeds from the sales of revenue bonds for Projects are deposited with Trustees to be invested until they are required for costs of acquisition and construction or debt service payments. The Special Funds, other than certain working funds, are restricted as to their use by the General Bond Resolution, which also prescribes investment thereof. Investments are limited to direct obligations of, or obligations the principal of and interest on which are unconditionally guaranteed by the United States, Federal government agency securities, new housing authority bonds issued by public agencies or municipalities, direct and general obligations of certain states or certain political subdivisions, bank time deposits evidenced by certificates of deposit issued by certain banks, and repurchase agreements with primary dealers secured by certain securities. Certain Special Funds are more restricted as to which of the aforementioned investments can be purchased. Special Funds include amounts held in trust under Power Purchase Agreements, working capital arrangements and agency contracts. These trustee funds are invested in securities as outlined within the General Bond Resolution and in repurchase agreements secured by certain securities at banks where MMWEC has established accounts. (See Note 8.)

Fund	1991	1990	1989
	(In Thousands)		
Construction Fund for deposit of bond proceeds to be used for costs of acquisition and construction	\$ 5,893	\$ 27,422	\$ 42,645
Bond Fund Interest Principal and Retirement Account to pay principal and interest on bonds	14,844	9,003	8,150
Bond Fund Reserve Account set at the maximum annual interest obligation to make up any deficiencies in other funds	146,664	148,008	144,127
Reserve and Contingency Fund to make up deficiencies in the Bond Fund and pay for renewals and extraordinary costs	20,078	20,817	20,461
Revenue Fund to receive revenues and disburse them to other funds	58,191	42,059	45,417
Working Capital Funds to maintain funds to cover operating expenses	<u>10,517</u>	<u>8,944</u>	<u>8,785</u>
Total Special Funds	<u>\$256,187</u>	<u>\$256,253</u>	<u>\$269,585</u>

# MMWEC Notes to Financial Statements

## (2) Significant Accounting Policies (continued)

### Cash and Temporary Investments

Certain cash and temporary investment amounts are used for power purchases and working capital requirements of MMWEC. These funds are not governed by the General Bond Resolution. In addition to the investment securities delineated in the General Bond Resolution, MMWEC purchases Canadian currency for cash and forward settlement and invests in repurchase agreements with banks where MMWEC has established accounts. (See Note 8.)

### Inventories

Fuel oil and spare parts inventory are recorded and accounted for by the average cost method. At December 31, 1991, 1990 and 1989, fuel oil inventory was valued at \$4.3, \$7.5 and \$3.5 million, and spare parts inventory amounted to \$15.4, \$9.7 and \$4.0 million, respectively.

### Revenues and Unbilled Revenues

Revenues include electric sales for resale provided from MMWEC's operating units and power purchases; billings for administrative and general services provided to MMWEC's Service Participants; and billings of debt service on certain Projects prior to commercial operation of the units within those Projects. These and additional details of revenues are as follows:

Revenues	1991	1990	1989
	(In Thousands)		
Electric sales for resale	\$271,578	\$207,000	\$168,415
Pre-operation debt service	-	46,432	87,446
Service	2,617	2,367	2,174
PSNH Settlement	2,000	1,167	-
Gain on land taken by eminent domain	292	713	-
Revenues	<u>\$276,487</u>	<u>\$257,679</u>	<u>\$258,035</u>

MMWEC bills its members for costs incurred in providing services and purchased power obtained on their behalf under terms of the Service Agreement and Power Purchase Agreements. Service revenues are recorded as the expenses are incurred. Amounts which are not yet billed are included in Unbilled Revenues on the Statements of Financial Position.

As of July 1990, the commercial operation date of Seabrook Station, electric sales for resale include the Seabrook Station debt service billings previously classified as pre-operation debt service. The difference between amounts billed currently under the terms of the Power Sales Agreements and total expenses recorded in the Statement of Operations is charged or credited to Amounts Recoverable (Payable) Under Terms of the Power Sales Agreements.

### Amounts Recoverable (Payable) Under Terms of the Power Sales Agreements

Billings to Project Participants are designed to recover costs in accordance with the Power Sales Agreements. The billings are therefore structured on a Project-by-Project basis to provide for debt service, operating funds and reserve requirements. Expenses are reflected in the Statements of Operations in accordance with generally accepted accounting principles. The timing difference between amounts billed and expensed is charged or credited to Amounts Recoverable (Payable) Under Terms of the Power Sales Agreements. Amounts will be recovered through future billings or an expense will be recognized to offset credit balances. The principal differences include depreciation, fuel amortization, costs associated with cancelled or abandoned projects, certain interest, reserves and other costs. The reduction of Amounts Recoverable (Payable) Under Terms of the Power Sales Agreements for Projects with billings in excess of cost is primarily due to the billing of interest costs for Projects under construction through June 30, 1990. An increase in Amounts Recoverable (Payable) Under Terms of the Power Sales Agreements is primarily caused by recognition of depreciation expense in excess of bond payments related to a Project. Individual Projects with a cumulative deferral of costs total \$155.4, \$146.1 and \$132.5 million and Projects with cumulative billings in excess of costs total \$120.4, \$151.0 and \$132.2 million at December 31, 1991, 1990 and 1989, respectively. These amounts have been netted in the Statements of Financial Position.

### Depreciation

Electric plant in service is depreciated using the straight-line method. The aggregate annual provisions for depreciation for 1991, 1990 and 1989 averaged 4% of the original cost of depreciable property.

## (3) Debt

### Power Supply System Revenue Bonds

To finance construction of ownership interests in electric generating projects under its General Bond Resolution, MMWEC issues Power Supply System Revenue Bonds (Bonds). The Bonds are secured under the General Bond Resolution by a pledge of the revenues derived by MMWEC under terms of the Power Sales Agreements and from the ownership and operation of the Projects in

## MMWEC Notes to Financial Statements

### (3) Debt (continued)

#### Power Supply Revenue Bonds (continued)

its power supply system. Pursuant to the Power Sales Agreements with the Project Participants, each Project Participant is obligated to pay its share of the actual costs relating to the generating units planned, under construction or in operation. The Project Participants' obligations are not contingent upon the completion or operational status of the units.

MMWEC financings, other than obligations maturing within one year, require Massachusetts Department of Public Utilities' (DPU) authorization. MMWEC has received DPU authority to issue \$691 million of bonds to refund currently outstanding high interest bonds. A filing seeking an additional \$261 million of bond refunding authority is pending before the DPU. The refunding authorizations are to be utilized in 1992 to retire high interest bonds.

Bonds Payable consist of Serial and Term Bonds and are comprised of the following issues, which, except for the 1987 Series B Bonds, are subject to optional redemption approximately ten years after the issue date, at 103% of the principal amount, descending periodically thereafter to 100%. The 1987 Series B Bonds are subject to redemption beginning in 1992 at 109% of the principal amount, descending periodically thereafter to 100%.

Issue	Net Interest Cost	December 31,		
		1991	1990	1989
(In Thousands)				
1976 Series A	7.2%	\$ 57,140	\$ 61,640	\$ 62,545
1977 Series A	6.4%	154,430	160,250	163,185
1977 Series B	6.1%	77,525	80,060	81,265
1978 Series A	6.8%	61,010	63,075	62,930
1979 Series A	7.0%	122,400	126,420	130,200
1980 Series A	10.2%	77,835	80,060	82,105
1981 Series A	12.3%	98,365	98,965	99,505
1981 Series B	13.4%	81,415	81,930	82,395
1982 Series A	13.4%	61,150	63,155	65,155
1982 Series B	10.2%	126,045	127,030	127,870
1984 Series A	11.0%	93,380	93,975	94,510
1985 Series B	13.5%	52,620	52,835	53,030
1987 Series A	8.9%	198,005	198,260	198,260
1987 Series B	11.8%	139,400	139,400	139,400
Bonds Payable		1,400,720	1,427,055	1,445,455
Less: Current Maturities		(19,765)	(17,280)	(16,273)
Total Long-Term Debt		<u>\$1,380,955</u>	<u>\$1,409,775</u>	<u>\$1,427,185</u>

The aggregate annual principal payments due on the Bonds in the next five years are as follows:

1992 - \$19,765,000; 1993 - \$21,140,000; 1994 - \$22,665,000; 1995 - \$23,210,000; and 1996 - \$25,115,000.

#### Net Revenue Available for Debt Service

In accordance with the provisions of MMWEC's General Bond Resolution, MMWEC covenants that it shall fix, revise and collect rates, tolls, rents and other fees and charges, sufficient to produce revenues to pay all operating and maintenance expenses and principal of, premium, if any, and the interest on Bonds and to pay all other obligations against its revenue. Revenues, which include applicable interest earnings from investments, are required to equal 1.10 times the annual debt service for each contract year ending June 30, after deduction of certain operating and maintenance expenses and exclusive of depreciation. For the contract years ended June 30, 1991, 1990, 1989 and prior years, MMWEC met the General Bond Resolution debt service coverage requirements for the applicable MMWEC Projects.

	Contract Year Ended June 30,		
	1991	1990	1989
(In Thousands)			
Debt Service Coverage:			
Revenues	\$181,887	\$172,299	\$171,651
Other Billings	713	714	719
Reserve and Contingency Fund Billings	13,757	13,854	13,121
Total	196,357	186,867	185,491
Less: Operating & Maintenance Expenses	(45,024)	(34,467)	(41,159)
Available Revenues Net of Expenses	<u>\$151,333</u>	<u>\$152,400</u>	<u>\$144,332</u>
Debt Service Requirement	<u>\$137,575</u>	<u>\$138,545</u>	<u>\$131,211</u>
Coverage (110% Required)	<u>110%</u>	<u>110%</u>	<u>110%</u>

## MMWEC Notes to Financial Statements

### (3) Debt (continued) Notes Payable

MMWEC maintains a \$10 million revolving line of credit to finance temporarily certain power purchases made by MMWEC for resale under power purchase contracts. There were no borrowings under the line of credit in 1991. The balances outstanding were \$0 and \$24,000 as of December 31, 1990 and 1989, respectively, with a maximum outstanding balance of \$1.1 and \$0.5 million during 1990 and 1989, respectively. Interest charged on borrowings under the line of credit is at the bank's prime rate. In addition, a commitment fee of one half of 1% per annum is charged on the unused portion of the line based on the average daily principal amount of the loan outstanding.

### (4) Electric Generation Facilities and Financing

MMWEC's power supply capacity includes interests in the generating units it operates or is a nonoperating joint owner in, as noted in the following table.

The July 1990 commercial operation of Seabrook Station resulted in the reclassification of the joint ownership interest from Electric Plant Under Construction to Electric Plant In Service. Electric Plant In Service also includes MMWEC's Service Operations which totalled \$2.2, \$2.6 and \$2.3 million in 1991, 1990 and 1989, respectively.

Projects	Facility and MMWEC Share of Capability (MW)	Amounts as of December 31,		
		1991	1990	1989
		(In Thousands)		
Peaking Project	Stony Brook 170.0	\$ 56,247	\$ 56,219	\$ 56,194
Intermediate Project	Stony Brook 311.3	146,529	146,429	146,305
Wyman Project	W.F. Wyman No. 4 22.7	7,354	7,349	7,344
Nuclear Project No. 3	Millstone Unit 3 36.8	128,371	128,257	128,186
Nuclear Unit No. 1	Millstone Unit 3 18.4	50,676	50,618	50,584
Nuclear Mixed Unit 1	Seabrook Station 1.9	8,604	8,583	8,287
Nuclear Project No. 4	Seabrook Station 49.8	259,446	258,759	249,506
Nuclear Project No. 5	Seabrook Station 12.6	70,966	70,817	67,873
Project No. 6	Seabrook Station 69.0	501,295	500,481	473,797
		<u>\$1,229,388</u>	<u>\$1,227,512</u>	<u>\$1,188,076</u>

MMWEC's 11.6% joint ownership interest in the Seabrook Station represents a substantial portion of its plant investment and financing program. Seabrook Station originally consisted of two 1,150 megawatt nuclear reactors. Unit 2 was cancelled as discussed in Note 5, Unit Cancellations. Construction of Seabrook Station Unit 1 was completed by New Hampshire Yankee (NH Yankee), which currently is a division of Public Service of New Hampshire (PSNH), the Unit's lead owner holding 35.6% of the Unit. Seabrook Station experienced persistent and substantial cost increases and schedule delays during the construction and licensing periods due in part to public controversy and opposition from government officials, regulators and intervenors. Schedule delays created financial problems for many of its joint owners, including MMWEC.

In December 1988, the Nuclear Regulatory Commission (NRC) decided on all pending financial qualification questions which were brought to its attention relating to Seabrook. The NRC ruled that, among other things, the Seabrook Station joint owners provide for the financial ability to decommission the plant prior to allowing the start of low-power testing. The joint owners purchased a surety bond and NH Yankee established pre-operational and supplementary trusts to meet the above condition. MMWEC's December 31, 1991 trust balances of \$2.5 million are to be refunded upon resolution of all relevant pending operating license appeals. For additional information regarding decommissioning expenses, see Note 7, Commitments and Contingencies - Other Issues.

PSNH, as a result of the continued delay in the commercial operation of Seabrook Station and its inability to recover costs of Seabrook Station through rates prior to commercial operation, filed for protection from its creditors under Chapter 11 of the Federal Bankruptcy Code in January 1988. The Bankruptcy Court administering the reorganization of PSNH allowed reorganization plans to be filed and after hearings on the disclosure statements associated with the plans, PSNH, the State of New Hampshire, various Bankruptcy Creditors and Equity Committees and others agreed to and joined in sponsoring the reorganization plan submitted by Northeast Utilities (NU) to acquire PSNH, including Seabrook Station. PSNH emerged from Chapter 11 in May 1991, with NU operating PSNH as a stand alone company under an agreement. The NU acquisition of PSNH cannot occur until certain conditions are fulfilled, including NU's receipt of necessary approvals from the Federal Energy Regulatory Commission (FERC) and the Securities and Exchange Commission (SEC).

The FERC issued a decision approving the NU acquisition of PSNH with transmission related conditions. Certain parties to the case filed for reconsideration of the FERC decision. In January 1992, the FERC amended its decision with respect to transmission access. NU has indicated that the FERC amended decision should allow NU to complete the acquisition of PSNH.

The SEC held no hearings on NU's request and in December 1990, granted unconditional approval of the acquisition. Several parties have appealed that decision and the oral argument was heard in November 1991.



## MMWEC Notes to Financial Statements

### (4) Electric Generation Facilities and Financing *(continued)*

In May 1991, New Hampshire Electric Cooperative (NHEC), a 2% Seabrook Station joint owner, filed for protection from its creditors under Chapter 11 of the U.S. Bankruptcy Code. NHEC continues to make all of its Seabrook payments and its second amended plan of reorganization sponsored by NHEC and the State of New Hampshire does not anticipate rejection of the Seabrook Joint Ownership Agreement. The court has approved the disclosure statement and hearings on the reorganization plan have been scheduled.

EUA Power Corporation, a 12% joint owner of Seabrook Station, announced in February 1991 that it filed for protection from its creditors under Chapter 11 of the Federal Bankruptcy Code. Two Seabrook Station joint owners agreed to fund up to \$15 million of EUA Power's obligation. EUA Power intends to extricate itself from Chapter 11 through the consummation of a long-term power sale.

On June 1, 1988, MMWEC's Board of Directors adopted a strategic plan of action relating to its Seabrook Station joint ownership interests. The plan of action evidenced, among other things, an intention to drawdown funds previously paid and not to pay any future direct obligations to Seabrook Station. MMWEC's prepayments were exhausted in July 1988. The Connecticut Light and Power Company, in exchange for a power sales arrangement with other joint owners, and through additional payments, furnished funds to Seabrook Station in lieu of MMWEC's payments, for the July to November 1988 period.

In November 1988, MMWEC and PSNH entered into a Memorandum of Understanding whereby MMWEC continued its full ownership in Seabrook Station and further agreed to execute a Settlement Agreement. The Memorandum, the Settlement Agreement and amendments to the Seabrook Joint Ownership Agreement (Comprehensive Settlement Agreement) provided, among other things, that all notices of default were rescinded and covenants not to sue among the major joint owners of Seabrook Station were effective. The Settlement Agreement required PSNH to be responsible for \$30 million of MMWEC's Seabrook Station pre-operational costs. The Settlement Agreement called for MMWEC to make up within seven days of the commercial operation of Seabrook Station, any shortfalls in construction payments after the \$30 million was exhausted, which MMWEC did. The Settlement Agreement also provided that PSNH pay MMWEC \$3.5 million on the Effective Date of the Agreement and make a \$2 million annual payment to MMWEC, for eight years, upon the New England Power Pool dispatch of Seabrook Station. As part of the Settlement Agreement, MMWEC and PSNH agreed to terminate the Sellback Agreement which provided that PSNH purchase a portion of MMWEC's Seabrook Station capacity. The PSNH bankruptcy court approved the Comprehensive Seabrook Settlement.

### (5) Unit Cancellations

MMWEC's investment in Seabrook Station includes an equivalent interest in Units 1 and 2. Seabrook's joint owners have authorized the sale or transfer of all salvageable components and equipment from the cancelled Seabrook Unit 2. MMWEC recorded a gain on Seabrook Unit 2 of \$1.1 million in 1991. The joint owners have also agreed to allow the current Seabrook Unit 2 construction permits to lapse and to take no action for renewal. MMWEC's net costs, including interest expenses, in Seabrook Unit 2 of \$127.6, \$128.7 and \$123.3 million as of December 31, 1991, 1990 and 1989, respectively, have been deferred and are being recovered under the terms of the Power Sales Agreements.

In October 1981, the Boston Edison Company cancelled Pilgrim Unit 2, which is included in MMWEC's Nuclear Mix No. 1. MMWEC's net costs, including interest expense associated with the Unit, which aggregated \$61.2, \$61.2 and \$59.5 million as of December 31, 1991, 1990 and 1989, respectively, were deferred and are being recovered under the terms of the Power Sales Agreements.

### (6) Benefit Plans

MMWEC has two non-contributory defined benefit pension plans covering substantially all full-time active employees. One plan covers union employees (union plan) and the other plan covers non-union employees (non-union plan).

The amount shown below as the Pension Benefit Obligation for MMWEC is a standardized disclosure measure of the present value of pension benefits, adjusted for the effect of projected salary increases, estimated to be payable in the future as a result of employee service to date. The measure is the actuarial present value of credited projected benefits and is independent of the funding method used to determine contributions to the plans.

The Pension Benefit Obligation was computed as part of an actuarial valuation performed as of January 1, 1991. Significant actuarial assumptions used in the valuation include a rate of return on the investment of present and future assets of 8% a year compounded annually, and projected salary increases of 5.5% a year compounded annually. The Pension Benefit Obligation for both plans at January 1, 1991 is as follows:

Retirees currently receiving benefits and terminated employees not yet receiving benefits	<i>(In Thousands)</i> \$ 105
Current Employees:	
Employer financed vested	900
Employer financed non-vested	<u>1,010</u>
Total Pension Benefit Obligation	2,015
Net asset available for benefits, at market	<u>1,260</u>
Unfunded Pension Benefit Obligation	<u>\$ 755</u>

## MMWEC

### Notes to Financial Statements

#### (6) Benefit Plans (continued)

Net assets available for benefits, at market as a percentage of the Pension Benefit Obligation were 62.5%, 70.0% and 77.6% for the years ended December 31, 1991, 1990 and 1989, respectively. The unfunded Pension Benefit Obligation as a percentage of covered payroll was 14.5%, 9.4% and 6.5% for the years ended December 31, 1991, 1990 and 1989, respectively. In 1991, MMWEC increased the benefits within the non-union pension plan to be consistent with the union plan. This action resulted in an increase in the total Pension Benefit Obligation of \$306,000.

MMWEC makes annual contributions to the pension plans equal to the amounts recorded as pension expense, which were \$414,000, \$329,000 and \$302,000 for the years ended December 31, 1991, 1990 and 1989, respectively. Contributions as a percentage of MMWEC's covered payroll were 7.9%, 6.8% and 5.8% for the years ended December 31, 1991, 1990 and 1989, respectively. The union plan uses the aggregate actuarial cost method and the non-union plan uses the frozen initial liability actuarial cost method in determining pension expense. In addition to the actuarial assumptions outlined above, the assumed long-term rate of return used in determining pension expense was 9.5%. Pension costs applicable to prior years' service are amortized over thirty years.

Ten-year historical trend and other information which is required to be disclosed in accordance with Governmental Accounting Standards Statement No. 5 is not considered material and therefore is not presented.

MMWEC contributes to an employee savings plan administered by an insurance company. All full-time employees meeting the service requirements are eligible to participate in this defined contribution plan. Under the provisions of the plan, MMWEC's and the employees' contributions vest immediately. MMWEC contributed \$84,000, \$75,000, and \$70,000 while the employees contributed \$144,000, \$119,000, and \$109,000 during the years ended December 31, 1991, 1990 and 1989, respectively.

#### (7) Commitments and Contingencies

##### Power Purchases

MMWEC's contract with the New Brunswick Electric Power Commission calls for the purchase of 100 MW of capacity from the Point Lepreau nuclear unit. The contract became effective in 1983 and an extension provided for purchases through October 1994, decreasing the capacity entitlement from 100 MW to 50 MW starting November 1993. The contract payment provisions require MMWEC to pay in all events certain fixed, operating, maintenance and other charges relating to the unit, which are estimated at \$36, \$33, and \$15 million for 1992, 1993 and 1994 respectively. MMWEC has entered into corresponding agreements with its members and other utilities to resell the power.

MMWEC entered into agreements for participation in the interconnection between New England utilities and the Hydro-Quebec electric system near Sherbrooke, Quebec (Phase I), which began commercial operation in October 1986. The New England portion of the interconnection was constructed at a total cost of about \$140 million, of which 3.65% or \$5 million is MMWEC's share to support. MMWEC has also entered into similar agreements for participation in the interconnection between New England utilities and the Hydro-Quebec electric system for the expansion of the Hydro-Quebec interconnection (Phase II) which went into commercial operation in November 1990. MMWEC's equity investment approximates 0.6% or \$3.3 million of the total estimated cost. MMWEC has corresponding agreements with its members and another utility to recover MMWEC's share of the costs associated with the interconnection.

##### Power Sales Agreements

MMWEC sells the capability of each of its Projects to its members and other utilities (Project Participants) under Power Sales Agreements.

In October 1985, the Vermont Department of Public Service brought an action against MMWEC in Superior Court of Vermont challenging the validity of the Project No. 6 Power Sales Agreements as entered into by the Vermont Participants. In 1986, the Superior Court ruled that the Power Sales Agreements for Project No. 6 between MMWEC and several consumer-owned utilities in Vermont were valid under Vermont law. The plaintiffs appealed this ruling to the Vermont Supreme Court in April 1987. In 1988, the Vermont Supreme Court ruled that the Project No. 6 Power Sales Agreements with the Vermont utilities were void since inception because the utilities lacked the statutory authority to enter into the contracts. In January 1989, the Vermont Supreme Court denied MMWEC's motion for a rehearing, and MMWEC subsequently filed a writ of certiorari with the United States Supreme Court to review the Vermont Supreme Court decision. The writ of certiorari was denied in October 1989.

Subsequent to the Vermont Supreme Court decision, the Vermont Public Service Board ordered the Vermont Project No. 6 Participants to cease making payments to MMWEC. MMWEC recorded a reserve for the receivable in 1988 which was adjusted by \$2.7 million in 1989. The Vermont Electric Cooperative and Washington Electric Cooperative of Vermont had already stopped making payments in January 1986 and 1988, respectively. The default by the Vermont Participants and Eastern Maine Electric Cooperative, discussed later, resulted in a step-up reallocation of the Project No. 6 project capability, in accordance with the Power Sales Agreement.

The Stony Brook Intermediate Project has approximately 8.2% of Project Capability under Power Sales Agreements with Vermont entities, which Power Sales Agreements are virtually identical to the Project No. 6 Power Sales Agreement. The Vermont Legislature enacted legislation seeking to validate the Stony Brook Intermediate Power Sales Agreement in light of the Vermont Supreme Court decision. MMWEC is seeking a declaration of the validity of the Stony Brook Intermediate Power Sales Agreement, as well as the curative legislation, in the matter of MMWEC v. State of Vermont, currently pending in the Superior Court in Washington County, Vermont.

## MMWEC Notes to Financial Statements

### (7) Commitments and Contingencies (continued) Power Sales Agreements (continued)

The Town of Hudson Light and Power Department and the City of Peabody Municipal Light Plant filed a lawsuit against MMWEC in November 1988, which among other things, sought to enjoin the MMWEC Board of Directors from acting upon the Memorandum of Understanding discussed in Note 4. The Massachusetts Superior Court denied the Town of Hudson Light and Power Department and the City of Peabody Municipal Light Plant injunction request, which denial was upheld by the Massachusetts Appeals Court.

The 1988 Vermont Supreme Court decision declaring the Project No. 6 Vermont Participants' contract void since inception, caused certain Massachusetts Project No. 6 Participants to raise issues relating to the validity of the Project No. 6 Power Sales Agreements, alleging among other things that 100% participation in the Project No. 6 Power Sales Agreements is a condition precedent to its validity. The basis for the complaints was whether the Project No. 6 Power Sales Agreements are valid and binding, since as alleged in the complaints, a condition precedent to the validity of all the Project No. 6 Power Sales Agreements was 100% participation in said Agreement, and if the Vermont Participants' contracts are void since inception, then this condition precedent has not been met. Further, the complaints alleged that any increase in Project No. 6 billings as a result of the nonpayment by the Vermont Project No. 6 Participants was unlawful on the basis that the Project No. 6 Power Sales Agreements failed to have 100% participation and MMWEC's use of Project No. 6 funds to cover the shortfall in receipts constitutes a breach of the Power Sales Agreements.

In April 1989, MMWEC filed an original action in the Supreme Judicial Court for Suffolk County against two Massachusetts Project No. 6 Participants. A Supreme Judicial Court Justice granted MMWEC's request for preliminary injunctions ordering the non-paying Participants to pay their obligations. In December 1988, the Town of Hudson Light and Power Department and the City of Peabody Municipal Light Plant amended their complaint against MMWEC to include challenges to the validity of the Project No. 6 Power Sales Agreement or the 100% participation issue, as previously discussed within the context of the Vermont Supreme Court decision. This action became a part of the Supreme Judicial Court case. In January 1990, the case was remanded to the Superior Court.

In November 1990, arguments were presented on motions for summary judgment and a Superior Court judge ruled that the Vermont Participants' nonpayments constituted a default within the meaning of the governing documents. The court further ruled that this default triggered a step-up and other related actions as required by the Power Sales Agreement. The judge reported his decision to the Massachusetts Appeals Court. Motions for direct appellate review were filed with the Supreme Judicial Court for the Commonwealth of Massachusetts, which took the case and heard oral arguments in May 1991.

On August 2, 1991, the Supreme Judicial Court for the Commonwealth issued its decision in the case *MMWEC et al v. Town of Danvers et al* noting that "the Project 6 PSAs executed by the defendants are valid and that the step-up provisions therein have been properly invoked." The Supreme Judicial Court for the Commonwealth ordered judgment to enter for MMWEC in the Superior Court. That judgment was entered on October 2, 1991. The Hudson Light and Power Department and the City of Peabody Municipal Light Plant believe their assertions regarding the Project No. 6 Sellback Agreement continue to be an open issue in the Superior Court. Two of the defendants impacted by the Supreme Judicial Court decision in the *MMWEC et al v. Danvers et al* case, Hudson Light and Power Department and City of Peabody Municipal Light Plant, filed a writ of certiorari with the United States Supreme Court on December 27, 1991. On December 30, 1991, the Clerk for the Supreme Court rejected the writ as jurisdictionally out of time. On January 27, 1992, the Supreme Court denied the Hudson Light and Power Department and Peabody Municipal Light Plant motion to compel the Court to take the writ.

In March 1989, Washington Electric Cooperative of Vermont filed suit against MMWEC in the Washington County Superior Court in Vermont for restitution of payments made to MMWEC under the Project No. 6 Power Sales Agreement. Washington Electric Cooperative received a trustee process against other Vermont utilities which are making payments under MMWEC's Stony Brook Intermediate Unit contracts. MMWEC has removed this case to the United States District Court for the District of Vermont, where hearings were held and an order was issued to dissolve the trustee process contingent on MMWEC giving notice of any intent to take away the Vermont Participants' Intermediate Unit capacity.

In July 1989, MMWEC filed a counterclaim against certain directors, managers and attorneys of the Washington Electric Cooperative for misrepresentation. These third party defendants have moved to dismiss the claims. In November 1989, the Vermont Department of Public Service moved to intervene in this case and filed a claim of \$6.2 million for restitution of all Vermont Project No. 6 Participant payments. The Federal District Court disallowed the VDPS intervention in the cases which appeal was subsequently upheld by the Second Circuit Court of Appeals.

In September 1991, Morrisville filed a complaint against MMWEC and Stowe in Superior Court in the State of Vermont seeking damages of \$1.2 million against MMWEC and \$100,000 against Stowe. Morrisville and Stowe both filed motions to remand that case to the Vermont Superior Court. Over MMWEC's objections, the Federal District Court remanded the case to the Vermont Superior Court in December 1991. MMWEC has filed a stay of the Federal District Court's remand. In September 1991, seventeen (17) Massachusetts municipal light departments, which are Participants in Project No. 6, and MMWEC, separately filed actions against the former Vermont Project No. 6 Participants and their respective managers, consultants and lawyers seeking damages resulting from the imposition of the step-up in Project No. 6.

In December 1990, Continental Bank N.A., the Bond Fund Trustee, filed an action for securities fraud in Massachusetts Federal

## MMWEC Notes to Financial Statements

### (7) Commitments and Contingencies (continued)

#### Power Sales Agreements (continued)

District Court against the various light departments contesting the Project No. 6 Power Sales Agreements, and against certain current and former light department managers individually. MMWEC is named as a nominal party in the case, and no damages are sought from it. The Federal District Court dismissed the case in October 1991, and Continental Bank N.A., has appealed it to the First Circuit Court of Appeals.

Eastern Maine Electric Cooperative (EMEC), a Participant in MMWEC's Project No. 6, filed for protection under Chapter 11 of the Federal Bankruptcy Code in August 1987. EMEC's subsequent petition to reject its contract with MMWEC was denied by the U.S. Bankruptcy Court. MMWEC has formally filed a claim in the proceedings for the money it is owed as EMEC's largest impaired creditor. MMWEC subsequently entered into a settlement with EMEC which settled the adversary proceeding for among other things damages of \$30 million and established a limit on MMWEC's potential recovery of \$15 million. Amended reorganization plans were filed by MMWEC and EMEC. MMWEC's plan calls for the takeover of EMEC. A new judge held hearings on several aspects of the case and in March 1991, the bankruptcy judge ruled that EMEC's plan of reorganization is non-confirmable as a matter of law, leaving the MMWEC plan for consideration. MMWEC is updating its plan as settlement negotiations are taking place between EMEC and the Project No. 6 Participants' Committee.

In January 1986, the Hull Municipal Lighting Plant filed suit against MMWEC seeking a declaration that its Power Sales Agreements for Nuclear Mix No. 1, Nuclear Project Nos. 4 and 5 and Project No. 6 relating to Seabrook Station were invalid, and an injunction against MMWEC collecting any amounts from Hull under the agreements and monetary damages. The suit challenges the validity of these Power Sales Agreements on various grounds and alleges, among other things, misrepresentations, breaches and imprudencies by MMWEC. In 1986, the Massachusetts Superior Court granted MMWEC's motions to stay the legal proceedings and compel arbitration of the suit and for a preliminary injunction requiring Hull to pay its share of monthly power costs as required by the Power Sales Agreements. A Single Justice of the Massachusetts Appeals Court denied Hull's petition for relief from the orders of the Superior Court, and the matter went to arbitration. The Massachusetts Supreme Judicial Court subsequently took the case and issued an opinion upholding the injunction. In 1987, the arbitrator ruled that the contracts signed by Hull's light board with MMWEC were valid without ruling on the alleged breaches, imprudencies and misrepresentations claimed against MMWEC by Hull. Hull is making payments, under protest, in accordance with the court order. After a hiatus in the case, a new arbitrator was agreed to and discovery was completed in 1990. MMWEC filed a motion for partial summary judgment, which was denied in part. The case is scheduled for trial in 1992.

In September 1991, the Pascoag Fire District, a 1.8% Project No. 6 Participant doing business in Rhode Island, filed a pleading which seeks to have its Project No. 6 Power Sales Agreement declared void. The filing was made to the Rhode Island Public Utilities Commission which referred it to the Division of Public Utilities and Carriers for investigation and hearing. A schedule for discovery and hearing has been established. MMWEC has intervened in the filing and is reviewing all of its options as to an appropriate course of action to enforce the Project No. 6 Power Sales Agreement against the Pascoag Fire District.

Based on bond counsels' opinions regarding the Power Sales Agreements and general counsel representations regarding the litigation, discussions with such counsel, and other considerations, management believes that the ultimate resolution of the actions described above will not have a material, adverse effect on the financial position of MMWEC. MMWEC continues to enforce the provisions of the Power Sales Agreements to assure that adequate revenues are collected to meet debt service payments on its bonds in accordance with the General Bond Resolution.

#### Other Issues

MMWEC, as a joint owner of the Millstone Unit 3 and Seabrook Station nuclear units, is required to set aside funds for their eventual decommissioning. MMWEC's policy is to fund these reserve requirements over the licensed life of the units through monthly billings to MMWEC Participants in the unit. MMWEC's share of the total estimated Millstone's Unit 3 and Seabrook Station's projected reserve requirement is \$16 million and \$39 million, of which \$1.5 and \$0.7 million has been funded, respectively, as of December 31, 1991. The amounts are included in other deferred charges and accrued expenses.

In August 1988, a revised Price-Anderson Act was enacted, calling for a fifteen year extension of the nuclear liability indemnification process. The Act provides approximately \$7.8 billion for public liability claims from a single incident at a nuclear facility. The \$200 million primary layer of insurance for the liability has been purchased in the commercial market. Secondary coverage of \$7.2 billion is to be provided through a \$63 million per incident assessment of each of the currently licensed nuclear units in the United States. The maximum assessment is \$10 million per incident per unit in any year. If the sum of the liability claims and costs from an incident exceed the maximum amount of financial protection, each reactor owner is subject to an additional \$3.2 million assessment. The maximum assessment is subject to adjustment for inflation every five years. MMWEC's interest in Millstone Unit 3 and Seabrook Station could result in a maximum assessment of \$3.0 and \$7.3 million, respectively.

Insurance has been purchased from Nuclear Electric Insurance Unlimited (NEIL) to cover the cost of repair, replacement, or decontamination or premature decommissioning of utility property resulting from insured occurrences at Millstone Unit 3 and Seabrook Station. MMWEC is subject to a \$1 million assessment, for its participation in Millstone Unit 3 and Seabrook Station, for excess property damage, decontamination and decommissioning as well as retroactive assessments if losses exceed the financial resources available to NEIL.

## MMWEC Notes to Financial Statements

### (7) Commitments and Contingencies (continued)

#### Other Issues (continued)

MMWEC is not currently covered under gradual pollution liability insurance related to MMWEC's Stony Brook power plant. Management is not aware of any material claims made during 1991 or outstanding as of December 31, 1991.

Additional information regarding commitments and contingencies relative to MMWEC's debt and involvement in nuclear projects is discussed in Note 3 - Debt and Note 4 - Electric Generation Facilities and Financing.

### (8) Investments and Deposits

All bank deposits, which amounted to \$624,000 at December 31, 1991, are maintained at two financial institutions. The Federal Deposit Insurance Corporation currently insures up to \$100,000 per depositor. MMWEC's uninsured deposits ranged from zero to \$12.9 million during 1991 due to seasonal cash flows, the timing of daily cash receipts and favorable earnings offered on these demand deposits. Investments are stated at cost adjusted for accretion (amortization) of the discount (premium). MMWEC's normal practice is to hold its investments until maturity. At December 31, 1991, all securities underlying repurchase agreements, and all other investments, were held in MMWEC's name by independent custodians consisting of the Construction Fund Trustees, Bond Fund Trustee or MMWEC's depository bank. Investments, representing the Special Funds and Cash and Temporary Investments, as well as certain additional amounts disbursed but available for investment, and accrued interest, are presented below:

Type of Investment	1991		1990		1989	
	Carrying Amount	Market Value	Carrying Amount	Market Value	Carrying Amount	Market Value
Repurchase Agreements	\$ 15,888	\$ 16,308	\$ 9,982	\$ 10,222	\$ 25,859	\$ 26,377
Other Investments:						
U.S. Treasury bills	-	-	82	82	34	34
U.S. Treasury notes	37,013	38,163	29,382	29,602	49,479	49,527
U.S. Agency bonds	56,614	57,569	36,149	36,380	30,765	30,715
U.S. Agency discount notes	149,045	\$149,101	188,246	188,362	169,327	169,240
Certificates of Deposits	-	-	-	-	89	89
Total Other Investments	242,672	244,833	253,859	254,426	249,694	249,605
Total Investments	\$258,560	\$261,141	\$263,841	\$264,648	\$275,553	\$275,932

Temporary investments, made up of funds available from amounts for which the expense has been recognized but not cleared by the bank, approximated \$0.5, \$5.8 and \$4.1 million in 1991, 1990 and 1989, respectively, and are included in the total investments noted above.

Due to seasonal cash flows during 1991, 1990 and 1989, MMWEC, from time to time, invested in repurchase agreements with its depository bank that were collateralized by securities in MMWEC's name held by the depository bank. MMWEC's practice is to monitor the market value of the underlying securities to ensure that the market value equals or exceeds the amount invested.

MMWEC  
*Independent Auditors' Report  
on Supplementary Information*

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The Board of Directors

MASSACHUSETTS MUNICIPAL WHOLESALE ELECTRIC COMPANY:

We have audited and reported separately herein on the financial statements of Massachusetts Municipal Wholesale Electric Company as of and for the years ended December 31, 1991, 1990 and 1989.

Our audits were made for the purpose of forming an opinion on the basic financial statements of the Massachusetts Municipal Wholesale Electric Company taken as a whole. The supplementary information included in pages 21-23 is presented for purposes of additional analysis and is not a required part of the basic financial statements. Such supplementary information has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

*KPMG Peat Marwick*

February 12, 1992

## MMWEC

## Project Statements of Financial Position

December 31, 1991

(In Thousands)

	SERVICE	NUCLEAR MIX 1	NUCLEAR PROJ 3	NUCLEAR PROJ 4	NUCLEAR PROJ 5	PROJECT NO. 6	PEAKING	INTER- MEDIATE	WYMAN	HYDRO QUEBEC PHASE II	TOTAL
<b>Assets</b>											
Electric Plant											
In Service	\$ 2,233	\$ 59,280	\$128,371	\$259,346	\$ 70,966	\$501,295	\$ 56,247	\$146,529	\$ 7,334	\$ -	\$1,251,621
Accumulated Depreciation	(1,992)	(2,166)	(22,201)	(13,637)	(3,737)	(26,302)	(20,373)	(38,072)	(2,817)	-	(157,897)
	841	50,114	106,170	245,709	67,229	474,993	35,874	88,457	4,517	-	1,073,724
Nuclear Fuel-net of amortization	-	1,795	2,885	8,528	2,313	16,795	-	-	-	-	32,326
Total Electric Plant	841	51,812	109,055	254,237	69,542	491,588	35,874	88,457	4,517	-	1,135,259
Special Funds											
Construction Fund	-	4,852	-	214	53	774	-	-	-	-	5,893
Bond Fund											
Interest, Principal and Retirement Account	-	1,567	774	4,508	1,282	2,092	1,183	3,328	110	-	14,844
Reserve Account	-	12,181	18,213	21,981	7,059	64,799	8,784	13,055	592	-	146,664
Reserve and Contingency Fund	-	3,464	2,771	3,715	1,154	6,046	978	1,653	294	-	20,078
Revenue Fund	-	2,643	4,743	3,720	1,050	10,411	8,758	25,578	1,288	-	58,131
Working Capital Funds	10,533	-	-	-	-	-	-	-	-	116	10,517
	10,533	24,707	26,501	34,138	10,598	84,122	19,704	43,616	2,284	116	256,187
Current Assets											
Cash and Temporary Investments	1,781	-	-	-	-	-	-	-	-	47	1,828
Accounts Receivable	5,424	1	-	31	8	54	1	97	11	96	5,723
Unbilled Revenues	8,718	-	-	-	-	-	-	-	-	-	8,718
Inventories at cost	-	66	-	1,746	442	2,419	1,954	12,742	294	-	19,663
Advances to (from) Projects	1,765	(47)	(87)	(166)	(28)	(6,731)	604	(1,553)	(17)	-	5,943
Prepaid Expenses	179	625	1,275	1,483	375	1,305	25	76	30	-	81,575
	17,867	715	1,188	3,094	797	3,405	2,584	11,562	320	143	81,575
Total Special Funds and Current Assets	28,400	25,422	27,689	37,232	11,395	87,427	22,288	55,178	2,604	177	297,762
Deferred Charges											
Amounts Recoverable (Payable)											
Under Terms of the Power Sales Agreements	-	79,476	63,101	(40,860)	(7,398)	(70,818)	(1,341)	(2,852)	(7)	-	35,005
Unamortized Debt Discount and Expenses	-	2,666	4,537	5,797	2,074	13,784	1,551	4,783	130	-	35,322
Other	-	561	1,037	1,349	351	2,736	12	7	8	281	6,242
	-	82,703	68,675	(33,714)	(4,973)	(54,628)	222	17,642	141	281	26,267
	\$ 29,241	\$159,944	\$205,419	\$257,755	\$ 75,964	\$524,317	\$ 58,584	\$161,277	\$ 2,272	\$ 708	\$1,480,781
<b>Liabilities</b>											
Long-Term Debt											
Bonds Payable	\$ -	\$124,435	\$198,865	\$247,880	\$ 73,310	\$506,345	\$ 52,510	\$141,015	\$ 6,505	\$ -	\$1,380,955
Current Liabilities											
Current Maturities of Long-Term Debt	-	3,130	1,540	7,355	885	3,925	1,845	4,865	220	-	19,765
Accounts Payable	6,584	102	53	2,214	528	4,052	72	2,678	131	-	16,409
Accrued Expenses	3,148	1,133	2,232	540	142	1,041	263	797	56	24	9,376
Member and Participant Advances and Reserves	19,509	1,134	2,731	3,769	1,099	8,954	3,094	11,927	270	684	53,779
	29,241	5,509	6,554	9,875	2,654	17,972	5,873	29,262	677	708	99,126
	\$ 29,241	\$159,944	\$205,419	\$257,755	\$ 75,964	\$524,317	\$ 58,584	\$161,277	\$ 2,272	\$ 708	\$1,480,781

**MMWEC**  
**Project Statements of Operations**

December 31, 1991

(In Thousands)

	SERVICE	NUCLEAR MIX 1	NUCLEAR PROJ. 3	NUCLEAR PROJ. 4	NUCLEAR PROJ. 5	PROJECT NO. 6	PEAKING	INTER- MEDIATE	WYMAN	HYDRO QUEBEC PHASE II	TOTAL
Revenues	\$ 80,201	\$ 9,668	\$ 21,980	\$ 32,754	\$ 9,577	\$ 76,124	\$ 9,101	\$ 35,708	\$ 1,894	\$ 599	\$ 276,486
Interest Income	806	2,027	2,075	2,596	804	6,366	1,396	2,751	155	—	18,926
Total Revenues and Interest Income	\$ 81,007	\$ 11,695	\$ 24,055	\$ 34,850	\$ 10,381	\$ 82,490	\$ 10,447	\$ 38,459	\$ 2,049	\$ 599	\$ 295,412
Operating and Service Expenses:											
Fuel Used in Electric Generation	\$ —	\$ 366	\$ 543	\$ 3,721	\$ 1,006	\$ 7,317	\$ 1,017	\$ 14,276	\$ 721	\$ —	\$ 28,910
Purchased Power	78,190	—	—	—	—	—	—	—	599	—	78,789
Other Operating	2,702	1,770	2,974	6,443	1,681	10,855	1,230	4,099	393	—	32,147
Maintenance	32	736	1,327	1,880	476	2,604	254	3,950	134	—	11,353
Depreciation	70	1,887	4,000	9,244	2,530	17,880	2,257	5,922	226	—	44,016
Taxes Other Than Income	8	487	852	1,587	382	2,087	465	1,277	109	—	7,312
	81,002	5,246	9,703	22,795	6,075	40,743	5,223	29,574	1,618	399	202,574
Interest Expense:											
Interest Charges	5	10,820	17,280	20,969	6,751	62,713	5,678	10,790	439	—	135,405
Interest Charged to Projects During Construction	—	(8)	—	(22)	(71)	(666)	—	—	—	—	(967)
	5	10,812	17,280	20,747	6,680	62,047	5,678	10,790	439	—	134,438
Total Operating Costs and Interest Expense	81,007	16,058	26,983	43,542	12,755	102,790	10,901	40,364	2,053	599	337,052
Loss on Cancelled Units - net	—	(15)	—	(400)	(101)	(553)	—	—	—	—	(1,069)
Gain on Retirement of Debt	—	(509)	—	(171)	(24)	—	—	—	—	—	(704)
	—	(524)	—	(571)	(125)	(553)	—	—	—	—	(1,772)
(Increase) Decrease in Amounts Recoverable Under Terms of the Power Sales Agreements	—	(4,559)	(2,928)	(8,121)	(2,249)	(19,747)	(454)	(1,905)	(18)	—	(39,862)
	\$ 81,007	\$ 11,075	\$ 24,055	\$ 34,850	\$ 10,381	\$ 82,490	\$ 10,447	\$ 38,459	\$ 2,049	\$ 599	\$ 295,412



**MMWEC**  
**Project Statements of Cash Flows**

December 31, 1991  
(In Thousands)

	NUCLEAR MIX 1	NUCLEAR PROJ 3	NUCLEAR PROJ 4	NUCLEAR PROJ 5	PROJECT NO. 6	PEAFING	INTER- MEDIATE	WYMAN	HYDRO QUEBEC PHASE II	TOTAL
Cash flows from operating activities:										
Total Revenues and Interest Income	\$ 11,075	\$ 24,055	\$ 34,890	\$ 10,581	\$ 82,490	\$ 10,447	\$ 38,459	\$ 2,049	\$ 599	\$ 275,912
Total Expenses	(15,594)	(26,983)	(42,973)	(12,630)	(102,237)	(10,901)	(40,564)	(2,093)	(599)	(335,279)
Adjustments to arrive at net cash provided by operating activities:										
Depreciation and decommissioning	1,995	4,198	9,409	2,572	18,108	2,236	5,843	236		44,655
Amortization	425	628	3,671	1,016	7,473	94	290	5		13,602
Gain on land taken by eminent domain	-	-	-	-	-	(65)	(227)	-		(292)
Change in current assets and liabilities:										
Accounts Receivable	47	351	2	(2)	36	198	757	42	7	13
Unbilled Revenues	-	-	-	(27)	(147)	187	(2,451)	-	(59)	947
Inventories	(5)	(106)	(106)	(27)	(147)	187	(2,451)	68	-	(2,481)
Prepaid Expenses	(64)	(138)	126	32	(215)	24	115	177	13	13
Accounts Payable	(153)	(316)	877	165	2,117	(565)	2,201	107	(5)	5,708
Accrued Expenses and Other	278	552	(71)	(21)	(273)	(3)	284	(4)	26	(908)
Member and Participant Advances and Reserves	365	(1,257)	(239)	(89)	304	637	(6,028)	(79)	(63)	(6,791)
Net cash provided by (used for) operating activities	(1,572)	(3,658)	(3,548)	(1,327)	(7,638)	(2,289)	(10,233)	(309)	(7)	(32,136)
Cash flows from investing activities:										
Construction expenditures and purchases of nuclear fuel	(381)	(527)	(1,246)	(330)	(1,777)	(48)	(281)	(12)		(4,012)
Interest charged to Projects during Construction	-	(1)	(223)	(71)	(666)	-	-	-		(957)
Net increase (decrease) in Special Funds	(1,552)	(1,268)	837	442	(2,141)	(617)	(6,450)	(287)	(21)	66
Decommissioning Trust payments	-	(1,36)	(230)	(58)	(319)	-	-	-		(957)
Proceeds from property disposal and other	203	20	7	-	10	56	861	-		722
Net cash provided by (used for) investing activities	(1,780)	(1,814)	(853)	(117)	(4,823)	(599)	(16,079)	(1,999)	(21)	(15,281)
Cash flows from financing activities:										
Payments for principal of Long-Term Debt	-	(9,750)	(1,790)	(1,360)	(2,765)	(1,690)	(4,555)	(210)	-	(26,355)
Change in Notes Payable	-	-	-	-	-	-	-	-	(1)	(1)
Net cash provided by (used for) financing activities	-	(9,750)	(1,790)	(1,360)	(2,765)	(1,690)	(4,555)	(210)	(1)	(31,362)
Net decrease in cash and temporary investments	(31)	-	-	-	-	-	-	-	90	19
Cash and temporary investment at beginning of year	1,812	-	-	-	-	-	-	-	(13)	1,809
Cash and temporary investments at end of year	1,781	-	-	-	-	-	-	-	(3)	1,778
Cash paid during the year for interest (Net of amount capitalized as shown above)	6	10,695	29,524	6,602	61,517	5,284	10,500	434	-	115,866



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Post-It brand fax transmittal memo 7671 # of pages = 3

To: Karin Lum	From: Teri Lynch
Co: NH Yankee	Co: VEG+T
Dept:	Phone #:
Fax: 603 474 2987	Fax: 802-635-7645

BORROWER DESIGNATION Vermont 12 Hanoshire	
BORROWER NAME AND ADDRESS Vermont Electric C&T Cooperative, Inc. School Street Johnson, Vermont 05656	
MONTH ENDING Dec. 31, 1991	REA USE ONLY

CERTIFICATION

We hereby certify that the entries in this report are in accordance with the accounts and other records of the system and reflect the status of the system to the best of our knowledge and belief.

ALL INSURANCE REQUIRED BY PART 1788 OF 7 CFR CHAPTER XVII, REA, WAS IN FORCE DURING THE REPORTING PERIOD AND RENEWALS HAVE BEEN OBTAINED FOR ALL POLICIES.

*[Signature]*  
SIGNATURE OF OFFICE MANAGER OR ACCOUNTANT

*[Signature]*  
SIGNATURE OF MANAGER

Feb. 13, 1992  
DATE

Feb. 14, 1991  
DATE

SECTION A. STATEMENT OF OPERATIONS

ITEM	YEAR-TO-DATE			THIS MONTH
	LAST YEAR (a)	THIS YEAR (b)	BUDGET (c)	
1. Electric Energy Revenue	12,050,089	13,851,982	13,388,639	1,274,643
2. Income From Leased Property - Net	9,626	133,123	129,860	3,837
3. Other Operating Revenue and Income	12,059,715	13,985,105	13,518,499	1,278,480
4. Total Oper. Revenues & Patronage Capital (1 thru 3)	613,806	1,113,784	609,737	110,130
5. Operation Expense - Production - Excluding Fuel	337,827	291,949	227,105	26,279
6. Operation Expense - Production - Fuel	3,457,813	3,125,510	3,334,525	308,804
7. Operation Expense - Other Power Supply	558,531	595,551	591,412	42,253
8. Operation Expense - Transmission				
9. Operation Expense - Distribution	1,478	1,183	1,792	82
10. Operation Expense - Consumer Accounts				
11. Operation Expense - Consumer Service & Inform.				
12. Operation Expense - Sales	625,422	661,422	634,342	65,838
13. Operation Expense - Administrative & General	5,594,877	5,789,399	5,398,912	553,386
14. Total Operation Expense (8 thru 13)	71,804	40,345	36,000	4,959
15. Maintenance Expense - Production				
16. Maintenance Expense - Transmission				
17. Maintenance Expense - Distribution				
18. Maintenance Expense - General Plant	71,804	40,345	36,000	4,959
19. Total Maintenance Expense (15 thru 18)	1,351,413	1,729,430	1,197,587	140,663
20. Depreciation & Amortization Expense	238,888	432,130	300,800	80,329
21. Taxes	3,312,953	3,300,287	3,312,675	279,722
22. Interest on Long-Term Debt	( 502,257 )	( )	( )	( )
23. Interest Charged to Construction - Credit	2,028,718	2,790,001	3,275,525	237,776
24. Other Interest Expense		321		
25. Other Deductions	12,096,396	14,081,913	13,518,499	1,296,835
26. Total Cost of Electric Service (14 + 18 thru 25)	(36,681)	(96,808)		(18,355)
27. Operating Margins (4 - 26)	36,681	91,180		16,999
28. Interest Income				
29. Allowance for Funds Used During Construction		5,628		1,356
30. Other Nonoperating Income - Net				
31. Generation & Transmission Capital Credits				
32. Other Capital Credits & Patronage Dividends				
33. Extraordinary Items	-0-	-0-	-0-	-0-
34. Net Patronage Capital or Margins (27 thru 33)				
Mills/kWh (Optional Use by Borrower)				
35. Electric Energy Revenue Per kWh Sold				
36. Total Operation & Maintenance Expense Per kWh Sold				
37. Total Cost of Electric Service Per kWh Sold				
38. Purchased Power Cost Per kWh				

USDA - REA <b>OPERATING REPORT - FINANCIAL</b>	BORROWER DESIGNATION Vermont 12 Hampshire	REA USE ONLY
	MONTH ENDING December 31, 1991	

## SECTION B. BALANCE SHEET

ASSETS AND OTHER DEBITS		LIABILITIES AND OTHER CREDITS	
1. Total Utility Plant in Service . . . . .	*59,002,095	27. Memberships . . . . .	30
2. Construction Work in Progress . . . . .		28. Patronage Capital . . . . .	(326,475)
3. Total Utility Plant (1 + 2) . . . . .	59,002,095	a. Assigned and Assignable . . . . .	
4. Accum. Provision for Depreciation & Amort. . . . .	7,178,758	b. Retired This Year . . . . .	
5. Net Utility Plant (3 - 4) . . . . .	51,823,337	c. Retired Prior Years . . . . .	(326,475)
6. Non-Utility Property - Net . . . . .		d. Net Patronage Capital . . . . .	
- Int. in Assoc. Org. - Patronage Capital . . . . .	42,719	29. Operating Margins - Prior Years . . . . .	
- Int. in Assoc. Org. - Other - General Funds . . . . .	18,177	30. Operating Margins - Current Year . . . . .	
- Int. in Assoc. Org. - Other - Non-Gen. Funds . . . . .		31. Nonoperating Margins . . . . .	20
- Other Investments . . . . .	184,743	32. Other Margins and Equities . . . . .	(326,425)
- Special Funds . . . . .	245,639	33. Total Margins & Equities (27 + 28d thru 32) . . . . .	13,235,921
7. Total Other Property & Investments (6 thru 11) . . . . .	500	34. Long-Term Debt - REA . . . . .	28,270,210
8. Cash - General Funds . . . . .	34,953	35. Long-Term Debt - Other . . . . .	41,506,137
9. Cash - Construction Funds - Trustee . . . . .		36. Total Long-Term Debt (34 + 35) . . . . .	69,776,347
10. Special Deposits . . . . .	2,350,876	37. Notes Payable . . . . .	10,572,866
11. Temporary Investments . . . . .		38. Accounts Payable . . . . .	71,007
12. Notes Receivable - Net . . . . .	30,180,740	39. Taxes Accrued . . . . .	3,967,358
13. Accounts Receivable - Net . . . . .		40. Interest Accrued . . . . .	26,056,724
14. Fuel Stock . . . . .		41. Other Current & Accrued Liabilities . . . . . **	45,936,134
15. Materials and Supplies - Other . . . . .	108,318	42. Total Current & Accrued Liabilities (37 thru 41) . . . . .	288,750
16. Prepayments . . . . .		43. Deferred Credits . . . . .	
17. Other Current and Accrued Assets . . . . .	32,575,387	44. Operating Reserves . . . . .	
18. Total Current and Accrued Assets (12 thru 17) . . . . .	2,550,920	45. Accumulated Deferred Income Taxes . . . . .	
19. Unamortized Debt Disc. & Extraord. Prop. Losses . . . . .	109,307	46. Total Liabilities and Other Credits . . . . .	87,404,590
20. Other Deferred Debits . . . . .	87,404,590	(33 + 36 + 42 thru 45) . . . . .	
21. Total Assets and Other Debits (1 + 18 + 19 + 20) . . . . .			

## SECTION C. NOTES TO FINANCIAL STATEMENTS

THE SPACE BELOW IS PROVIDED FOR IMPORTANT NOTES REGARDING THE FINANCIAL STATEMENT CONTAINED IN THIS REPORT.  
(IF ADDITIONAL SPACE IS NEEDED, USE SEPARATE SHEET.)

* Plant in Service:	
Millstone 3	14,732,302
Seabrook 1	27,217,072
N. Hartland Hydro	16,250,137
Highgate Transm.	782,917
Other	19,667
	<u>\$59,002,095</u> *

** Includes Past Due Principal	1,664,848
" " " "	24,462,936

Heather

# FINANCIAL AND STATISTICAL REPORT

BORROWER DESIGNATION  
 N.H. - 4 - Merrimack  
 BORROWER NAME & ADDRESS  
 NEW HAMPSHIRE ELECTRIC COOPERATIVE, INC  
 PLYMOUTH, NEW HAMPSHIRE  
 PERIOD END: January, 1992

## CERTIFICATION

We hereby certify that the entries in this report are in accordance with the accounts and other records of the system and reflect the status of the system to the best of our knowledge and belief.

ALL INSURANCE REQUIRED BY PART 1788 OF 7 CFR CHAPTER XVII, REA, WAS IN FORCE DURING THE REPORTING PERIOD AND RENEWALS HAVE BEEN OBTAINED FOR ALL POLICIES.

Cathy & Lucas  
 Signature of Accountant  
Jon Billman  
 Signature of Manager

2/14/92  
 DATE  
2/15/92  
 DATE

## PART A. STATEMENT OF OPERATIONS

LT #	ITEM	Y-T-D			This Month (d)
		Last Year (a)	This Year (b)	Budget (c)	
1	Operating Revenue & Patronage Capital	\$6,949,763	\$7,483,965	\$8,796,298	\$7,483,965
2	Power Production Expense	442,383	132,756	336,687	132,756
3	Cost of Purchased Power	2,057,685	4,175,639	5,725,393	4,175,889
4	Transmission Expense	19,812	9,356	25,630	9,356
5	Distribution Expense - Operation	114,731	97,481	189,765	97,481
6	Distribution Expense - Maintenance	108,917	138,498	172,039	138,498
7	Consumer Accounts Expense	187,575	102,592	170,952	102,592
8	Customer Service & Information Expense	7,966	14,288	27,324	14,288
9	Sales Expense	0	0	0	0
10	Administrative & General Expense	1,109,698	636,050	895,468	636,050
11	Total Operation & Maintenance Expense (2 thru 10)	\$4,048,567	\$5,306,910	\$7,543,258	\$5,306,910
12	Depreciation & Amortization Expense	694,150	710,670	698,082	710,670
13	Tax Expense - Property	158,514	174,204	213,430	174,204
14	Tax Expense - Other	99,697	21,577	45,705	21,577
15	Interest on Long-Term Debt	1,631,540	1,064,633	1,002,235	1,064,633
16	Interest Charged to Construction - Credit	0	0	0	0
17	Interest Expense - Other	9,785	8,115	10,000	8,115
18	Other Deductions	148,328	2,089	6,500	2,089
19	Total Cost of Electric Service (11 thru 18)	\$6,790,581	\$7,288,198	\$9,519,210	\$7,288,198
20	Patronage Capital & Operating Margins (1 minus 19)	\$159,182	\$195,767	(\$722,912)	\$195,767
21	Non Operating Margins - Interest	120,406	91,793	129,614	91,793
22	Allowance for Funds Used During Construction	0	0	0	0
23	Non Operating Margins - Other	2,043	1,741	2,197	1,741
24	Generation & Transmission Capital Credits	0	0	0	0
25	Other Capital Credits & Patronage Dividends	0	0	0	0
26	Extraordinary Items	0	0	0	0
27	Patronage Capital or Margins (20 thru 26)	\$281,611	\$289,301	(\$591,101)	\$289,301

## PART B. DATA ON TRANSMISSION AND DISTRIBUTION PLANT

ITEM	Year-To-Date		ITEM	Year-To-Date	
	Last Year (a)	This Year (b)		Last Year (a)	This Year (b)
1 New Services Connected	72	43	5 Miles Transmission	53.83	53.82
2 Services Retired	9	10	6 Miles Distribution-Overhead	5,242.71	4,274.07
3 Total Services in Place	65,833	60,467	7 Miles Distribution-Underground	348.89	337.19
4 Idle Services	2,377	2,336	8 Total Miles Energized	4,645.43	4,665.08

# FINANCIAL AND STATISTICAL REPORT

BORROWER DESIGNATION

N H -4 - Merrimack

REPORT PERIOD

January, 1992

## PART C. BALANCE SHEET

ASSETS AND OTHER DEBITS		LIABILITIES AND OTHER CREDITS	
1 Total Utility Plant in Service	\$277,304,350	26 Memberships	0
2 Construction Work in Process	1,772,687	27 Patronage Capital	12,278,159
3 Total Utility Plant (1+2)	\$279,077,037	28 Operating Margins - Prior Years	(5,968,238)
4 Accum. Provision for Depreciation & Amort.	38,275,500	29 Operating Margins - Current Year	196,767
5 Net Utility Plant (3-4)	\$240,801,537	30 Non Operating Margins	93,534
6 Nonutility Property - Net	4,507,893	31 Other Margins and Equities	(11,399,816)
7 Invest. in Assoc. Org. - Patronage Capital	162,452	32 Total Margins & Equities (26 thru 31)	(\$4,800,594)
8 Invest. in Assoc. Org. - General Funds	0	Long-Term Debt REA (Net)	57,799,239
9 Invest. in Assoc. Org. - Nongeneral Funds	1,902,272	(Payments - Unapplied \$ )	0
10 Other Investments	300	34 Long-Term Debt - Other (Net)	148,836,736
11 Special Funds	89,437	(Payments - Unapplied \$ )	0
12 Total Other Property & Investments (6 thru 11)	\$6,662,354	35 Total Long-Term Debt (33+34)	\$206,635,975
13 Cash - General Funds	207,712	36 Notes Payable	0
14 Cash - Construction Funds - Trustee	75,932	37 Accounts Payable	28,125,645
15 Special Deposits	164,120	38 Consumer Deposits	429,282
16 Temporary Investments	21,203,469	39 Other Current & Accrued Liabilities	68,850,016
17 Notes Receivable - Net	0	40 Total Current & Accrued Liabilities (36 thru 39)	\$97,404,943
18 Accounts Receivable - Net Sales of Energy	5,567,014	41 Deferred Credits	1,904,954
19 Accounts Receivable - Net Other	19,755,552	42 Miscellaneous Operating Reserves	0
20 Material & Supplies - Electric & Other	2,798,615	43 Total Liabilities & Other Credits	0
21 Prepayments	1,005,173	(32+35+40 thru 42)	\$301,145,278
22 Other Current & Accrued Assets	414,562	ESTIMATED CONTRIBUTIONS - IN - AID - OF - CONSTRUCTION	
23 Total Current & Accrued Assets (13 thru 22)	\$51,192,149	Balance Beginning of Year	\$352,435
24 Deferred Debits	2,489,238	Amounts Received This Year (Net)	(17,670)
25 Total Assets & Other Debits (5+12+23+24)	\$301,145,278	TOTAL Contributions - in - Aid - of - Construction	\$334,765

## CONSUMER SALES AND REVENUE DATA

CLASS OF SERVICE	THIS MONTH			YEAR-TO-DATE			
	No. Recv Service a	kWh Sold b	Amount c	No. Minimum Bills d	Avg. No. W/Service e	kWh Sold Cumulative f	Amount Cumulative g
1 Residential Sales (excl. seas.)	54,742	45,105,945	4,068,331	8,612	54,742	45,105,945	4,068,331
2 Residential Sales Seasonal	0	0	0	0	0	0	0
3 Irrigation Sales	0	0	0	0	0	0	0
4 Comm. & Ind. 1000 KVA or less	7,232	17,233,894	1,556,574	1,259	7,232	17,233,894	1,556,574
5 Comm. & Ind. - over 1000 KVA	8	7,866,992	577,221	0	8	7,866,992	577,221
6 Public St. & Highway Lghtng.	2,149	114,466	22,080	0	2,149	114,466	22,080
7 Other Sales to Public Auth.	0	0	0	0	0	0	0
8 Sales for Resale - REA Borr.	0	0	0	0	0	0	0
9 Sales for Resale - Others	0	0	0	0	0	0	0
10 Total Sales of Electric Energy (1 thru 9)	64,131	70,321,297	\$6,224,206	9,871	64,131	70,321,297	\$6,224,206
11 Other Electric Revenue			1,259,759				1,259,759
12 Total (10 + 11)			\$7,483,965				\$7,483,965

## kWh AND kW STATISTICS

ITEM	THIS MONTH a	Year-To-Date b	ITEM	THIS MONTH a	Year-To-Date b
1 Net kWh Generated	0	0	6 Office Use	97,552	97,552
2 kWh Purchased	77,278,122	77,278,122	7 Total Unaccounted for		0
3 Interchange kWh - Net	0	0	(4 less 5 & 6)	6,859,273	6,859,273
4 Total kWh - Net	77,278,122	77,278,122	8 Percent System Loss (7/4)x100	8.88%	8.88%
5 Total kWh - Sold	70,321,297	70,321,297	9 Maximum Demand (kW)	143,914	143,914
			10 Month When Maximum Demand Occured		JANUARY

## STATEMENT OF OPERATIONS - VARIANCE REPORT

PERIOD ENDING: January, 1992

ITEM	Y-T-D		VARIANCE	VARIANCE %
	This Year	Budget		
Operating Revenue & Patronage Capital	7,483,965	8,796,298	(1,312,333)	-14.9%
Power Production Expense	132,756	336,687	(203,931)	-60.6%
Cost of Purchased Power	4,175,889	5,725,393	(1,549,504)	-27.1%
Transmission Expense	9,356	25,630	(16,274)	-63.5%
Distribution Expense - Operation	97,481	189,765	(92,284)	-48.6%
Distribution Expense - Maintenance	138,498	172,039	(33,541)	-19.5%
Consumer Accounts Expense	102,592	170,952	(68,360)	-40.0%
Customer Service & Information Expense	14,288	27,324	(13,036)	-47.7%
Sales Expense				
Administrative & General Expense	636,050	895,468	(259,418)	-29.0%
Total Operation & Maintenance Expense (7 thru 10)	5,306,910	7,543,258	(2,236,348)	-29.6%
Depreciation & Amortization Expense	710,670	698,082	12,588	1.8%
Tax Expense - Property	174,204	213,430	(39,226)	-18.4%
Tax Expense - Other	21,577	45,705	(24,128)	-52.8%
Interest on Long-Term Debt	1,064,633	1,002,235	62,398	6.2%
Interest Charged to Construction - Credit				
Interest Expense - Other	8,115	10,000	(1,885)	-18.9%
Other Deductions	2,089	6,500	(4,411)	-67.9%
Total Cost of Electric Service (11 thru 18)	7,288,198	9,519,210	(2,231,012)	-23.4%
Patronage Capital & Operating Margins (1 thru 6)	195,767	(722,912)	918,679	127.1%
Non Operating Margins - Interest	91,793	129,614	(37,821)	-29.2%
Allowance for Funds Used During Construction				
Non Operating Margins - Other	1,741	2,197	(456)	20.8%
Generation & Transmission Capital Credits				
Other Capital Credits & Patronage Dividends				
Extraordinary Items				
Patronage Capital or Margins (20 thru 26)	289,301	(591,101)	880,402	148.3%

NOTE: Many of the actual expenses are under the budgeted amounts because the budget was prepared using 5 payroll weeks in January. This was changed to 4 weeks to enable closing the books in time to produce Form 7 by the 15th of the month.

## CONSUMER SALES - VARIANCE REPORT

PERIOD ENDING: January, 1992

CLASS OF SERVICE	kWh Sold Comparison to Last Year THIS MONTH			kWh Sold Comparison to Last Year YEAR-TO-DATE		
	Actual	Last Year	(Under) - Over Variance	Actual	Last Year	(Under) - Over Variance
Residential Sales (excl. seas.)	45,105,945	42,417,065	2,688,880	45,105,945	42,417,065	2,688,880
Comm. & Ind. 1000 kVA or less	17,233,894	16,488,022	745,872	17,233,894	16,488,022	745,872
Comm. & Ind. - over 1000 kVA	7,866,992	7,438,028	428,964	7,866,992	7,438,028	428,964
Public St. & Highway Lghtng.	114,466	110,709	3,757	114,466	110,709	3,757
Total Sales of Electric Energy :	70,321,297	66,453,824	3,867,473	70,321,297	66,453,824	3,867,473
Variance Percentage :			5.82%			5.82%

CLASS OF SERVICE	Dollars Sold Comparison to Last Year THIS MONTH			Dollars Sold Comparison to Last Year YEAR-TO-DATE		
	Actual	Last Year	(Under) - Over Variance	Actual	Last Year	(Under) - Over Variance
Residential Sales (excl. seas.)	\$4,068,331	\$3,316,864	\$751,467	\$4,068,331	\$3,316,864	\$751,467
Comm. & Ind. 1000 kVA or less	\$1,556,574	\$1,255,845	\$300,729	\$1,556,574	\$1,255,845	\$300,729
Comm. & Ind. - over 1000 kVA	\$577,221	\$455,564	\$121,657	\$577,221	\$455,564	\$121,657
Public St. & Highway Lghtng.	\$22,080	\$21,027	\$1,053	\$22,080	\$21,027	\$1,053
Total Sales of Electric Energy :	\$6,224,206	\$5,049,300	\$1,174,906	\$6,224,206	\$5,049,300	\$1,174,906
Variance Percentage :			23.27%			23.27%

CLASS OF SERVICE	Sales/kWh Comparison to Last Year THIS MONTH			Sales/kWh Comparison to Last Year YEAR-TO-DATE		
	Actual	Last Year	(Under) - Over Variance	Actual	Last Year	(Under) - Over Variance
Residential Sales (excl. seas.)	\$0.0902	\$0.0782	\$0.0120	\$0.0902	\$0.0782	\$0.0120
Comm. & Ind. 1000 kVA or less	\$0.0903	\$0.0762	\$0.0142	\$0.0903	\$0.0762	\$0.0142
Comm. & Ind. - over 1000 kVA	\$0.0734	\$0.0612	\$0.0121	\$0.0734	\$0.0612	\$0.0121
Public St. & Highway Lghtng.	\$0.1929	\$0.1899	\$0.0030	\$0.1929	\$0.1899	\$0.0030
Weighted Average:	\$0.0885	\$0.0760	\$0.0125	\$0.0885	\$0.0760	\$0.0125
Variance Percentage :			16.49%			16.49%





# *The Commonwealth of Massachusetts*

## *Department of Public Utilities*

*Leverett Saltonstall Building, Government Center*

*100 Cambridge Street, Boston 02202*

TO THE MAYORS, SELECTMEN, MUNICIPAL LIGHT BOARDS AND MANAGERS  
OF MUNICIPAL LIGHTING PLANTS IN THE SEVERAL CITIES AND TOWNS  
IN THIS COMMONWEALTH OPERATING GAS OR ELECTRIC LIGHT PLANTS:

This form of Annual Return should be filled out and a signed original and a duplicate copy (which may be a photocopy) filed with the Department of Public Utilities 100 Cambridge Street., Boston, Mass., 02202 by March 31st of the year following the calendar year of the report in accordance with the statutes of the Commonwealth of Massachusetts and the regulations of the Department made in pursuance thereof.

Where the word "None" truly and completely states the fact it should be given as the answer to any particular inquiry or portion of an inquiry.

If the respondent so desires, cents may be omitted in the balance sheet, income statement and supporting schedules. All supporting schedules on an even-dollar basis, however, shall agree with the even-dollar amounts in the main schedules. Averages and extracted figures, where cents are important, must show cents for reasons which are apparent.

Special attention is called to the legislation in regard to the Returns which is provided at the end of the form.

# MUNICIPAL LIGHTING PLANTS

The Commonwealth of Massachusetts

## RETURN

OF THE

TOWN \_\_\_\_\_ OF

HUDSON LIGHT AND POWER DEPARTMENT

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TO THE

## DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31,

# 1991

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The Commonwealth of Massachusetts

RETURN

OF THE

..... TOWN ..... OF

..... HUDSON, LIGHT AND POWER DEPARTMENT .....

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31,

**1991**

Name of officer to whom correspondence should  
be addressed regarding this report.

..... HORST HUEHMER .....

Official title .....

MANAGER

Office address..... 49 FOREST AVENUE .....

Form AC19.

..... HUDSON, MA 01749 .....

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SECTION 57. At the beginning of each fiscal year, the manager of municipal lighting shall furnish to the mayor, selectmen or municipal light board, if any, an estimate of the income from sales of gas and electricity to private consumers during the ensuing fiscal year, and of the expense of the plant during said year, meaning the gross expenses of operation, maintenance and repair, the interest on the bonds, notes or certificates of indebtedness issued to pay for the plant, an amount for depreciation equal to three per cent of the cost of the plant exclusive of land and any water power appurtenant thereto, or such smaller or larger amount as the department may approve, the requirements of the sinking fund or debt incurred for the plant, and the loss, if any, in the operation of the plant during the preceding year, and of the costs, as defined in section 58, of the gas and electricity to be used by the town. The town shall include in its annual appropriations and in the tax levy not less than the estimated cost of the gas and electricity to be used by the town as above defined and estimated. By cost of the plant is intended the total amount expended on the plant to the beginning of the fiscal year for the purpose of establishing, purchasing, extending or enlarging the same. By loss in operation is intended the difference between the actual income from private consumers plus the appropriations for maintenance for the preceding fiscal year and the actual expense of the plant, reckoned as above, for that year in case such expenses exceeded the amount of such income and appropriation. The income from sales and the money appropriated as aforesaid shall be used to pay the annual expense of the plant, defined as above, for the fiscal year, except that no part of the sum therein included for depreciation shall be used for any other purpose than renewals in excess of ordinary repairs, extensions, reconstruction, enlargements and additions. The surplus, if any, of said annual allowances for depreciation after making the above payments shall be kept as a separate fund and used for renewals other than ordinary repairs, extensions, reconstructions, enlargements and additions in succeeding years; and no debt shall be incurred under section forty for any extension, reconstruction or enlargements of the plant in excess of the amount needed therefor in addition to the amount then on hand in said depreciation fund. Said depreciation fund shall be kept and managed by the town treasurer as a separate fund, subject to appropriation by the city council or selectmen or municipal light board, if any, for the foregoing purpose. So much of said fund as the department may from time to time approve may also be used to pay notes, bonds or certificates of indebtedness issued to pay for the cost of reconstruction or renewals in excess of ordinary repairs, when such notes, bonds or certificates of indebtedness become due. All appropriations for the plant shall be either for the annual expense defined as above, or for extensions, reconstruction, enlargements or additions; and no appropriation shall be used for any purpose other than that stated in the vote making the same. No bonds, notes or certificates of indebtedness shall be issued by a town for the annual expenses as defined in this section.

SECTION 58. A town manufacturing or selling gas or electricity for lighting shall keep records of its work and doings at its manufacturing station, and in respect to its distributing plant, as may be required by the department. It shall install and maintain apparatus, satisfactory to the department, for the measurement and recording of the output of gas and electricity, and shall sell the same by meter to private consumers when required by the department, and, if required by it, shall measure all gas or electricity consumed by the town. The books, accounts and returns shall be made and kept in a form prescribed by the department, and the accounts shall be closed annually on the last day of the fiscal year of such town, and a balance sheet of that date shall be taken therefrom and included in the return to the department. The mayor, selectmen or municipal light board and manager shall, at any time, on request, submit said books and accounts to the inspection of the department and furnish any statement or information required by it relative to the condition, management and operation of said business. The department shall, in its annual report, describe the operation of the several municipal plants with such detail as may be necessary to disclose the financial condition and results of each plant; and shall state what towns, if any, operating a plant have failed to comply with this chapter, and what towns, if any, are selling gas or electricity with the approval of the department at less than cost. The mayor, or selectmen, or municipal light board, if any, shall annually, on or before such date as the department fixes, make a return to the department, for the preceding fiscal year, signed and sworn to by the mayor, or by a majority of the selectmen or municipal light board, if any, and by the manager, stating the financial condition of said business, the amount of authorized and existing indebtedness, a statement of income and expenses in such detail as the department may require, and a list of its salaried officers and the salary paid to each. The mayor, the selectmen or the municipal light board may direct any additional returns to be made at such time and in such detail as he or they may order. Any officer of a town manufacturing or selling gas or electricity for lighting who, being required by this section to make an annual return to the department, neglects to make such annual return shall, for the first fifteen days or portion thereof during which such neglect continues, forfeit five dollars a day; for the second fifteen days or any portion thereof, ten dollars a day; and for each day thereafter not more than fifteen dollars a day. Any such officer who unreasonably refuses or neglects to make such return shall, in addition thereto, forfeit not more than five hundred dollars. If a return is defective or appears to be erroneous, the department shall notify the officer to amend it within fifteen days. Any such officer who neglects to amend said return within the time specified, when notified to do so, shall forfeit fifteen dollars for each day during which such neglect continues. All forfeitures incurred under this section may be recovered by an information in equity brought in the supreme judicial court by the attorney general, at the relation of the department, and when so recovered shall be paid to the commonwealth.

SECTION 59. The supreme judicial court for the county where the town is situated shall have jurisdiction on petition of the department or of twenty taxable inhabitants of the town to compel the fixing of prices by the town in compliance with sections fifty-seven and fifty-eight, to prevent any town from purchasing, operating or selling a gas or electric plant in violation of any provision of this chapter, and generally to enforce compliance with the terms and provisions thereof relative to the manufacture or distribution of gas or electricity by a town.

GENERAL INFORMATION.

- 1. Name of town (or city) making this report. Hudson, Ma 01749
- 2. If the town (or city) has acquired a plant,
  - Kind of plant, whether gas or electric. Electric
  - Owner from whom purchased, if so acquired. Hudson Electric Co. 7/11/1891
  - Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws. 9/11/1891
  - Record of votes: First vote: Yes, 30 ; No, 7 Second vote: Yes, 69 ; No, 11
  - Date when town (or city) began to sell gas and electricity,

January 15, 1897

- 3. Name and address of manager of municipal lighting:
  - Hcrst Huehmer
  - 23 Plant Avenue
  - Hudson, Ma 01749
- 4. Name and address of mayor or selectmen:
  - Sandra S. Raponi, 26 Michigan Drive, Hudson, Ma
  - Joseph J. Durant, 22 Harriman Rd. Hudson, Ma
  - Robert M. Steere, 3 Santos Drive Hudson, Ma
  - Rosemary Marini, 42 Church St. Hudson, Ma
  - Richard G. Beauregard, 40 Green St. Hudson, Ma
- 5. Name and address of town (or city) treasurer:
  - David J. O'Neil
  - 49 Temi Road
  - Hudson, Ma 01749
- 6. Name and address of town (or city) clerk:
  - Ralph Warner
  - 3 Lincoln Street
  - Hudson, Ma 01749
- 7. Names and addresses of members of municipal light board:
  - Roland Plante, 136 Murphy St. Hudson, Ma
  - Peter Keane, 15 John Robinson Rd. Hudson, Ma
  - Weedon Parris, 9 Champian Dr. Hudson, Ma

- 8. Total valuation of estates in town (or city) according to last State valuation \$ 1,107,971,000
- 9. Tax rate for all purposes during the year:
  - \$ 10.75 Res.
  - 18.69 Com.
- 10. Amount of manager's salary: \$ 84,356.00
- 11. Amount of manager's bond: \$ 1,000.00
- 12. Amount of salary paid to members of municipal light board (each): \$ 600.00



**APPROPRIATIONS SINCE BEGINNING OF YEAR**

(Include also all items charged direct to tax levy, even where no appropriation is made or required.)

**FOR CONSTRUCTION OR PURCHASE OF PLANT:**

*At	meeting	19	, to be paid from †	\$	
*At	meeting	19	, to be paid from †	\$	
				TOTAL	\$ <u>NONE</u>

**FOR THE ESTIMATED COST OF THE GAS OR ELECTRICITY TO BE USED BY THE CITY OR TOWN FOR:**

1. Street lights		\$ 143,000.00
2. Municipal buildings	Amounts are included in overall appropriations	
3.	for each Department	
		TOTAL \$ <u>143,000.00</u>

\*Date of meeting and whether regular or special. †Here insert bonds, notes or tax levy.

**CHANGES IN THE PROPERTY**

1. Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.

In electric property:

NONE

In gas property:

NOT APPLICABLE



**BONDS**  
 (Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issues†	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
Apr. 7, 1913	Spec. June 1, 1913	\$ 9,000.00					
Mar. 4, 1918	Reg. Apr. 1, 1918	50,000.00					
June 14, 1920	Spec. Feb. 1, 1921	25,000.00					
Mar. 5, 1928	Reg. Nov. 1, 1928	40,000.00					
Nov. 29, 1954	Spec. Mar. 1, 1955	250,000.00					
Mar. 7, 1955	Reg. May 1, 1955	100,000.00					
Mar. 7, 1955	Reg. Nov. 1, 1955	150,000.00					
June 8, 1959	Spec. Aug. 1, 1959	300,000.00					
Nov. 7, 1961	Spec. July 15, 1962	450,000.00					
	<b>TOTAL</b>	<b>\$1,374,000.00</b>					<b>TOTAL</b>

The bonds and notes outstanding at end of year should agree with the Balance Sheet. When bonds and notes are repaid report the first three columns only.

\*Date of meeting and whether regular or special

†List original issues of bonds and notes including those that have been retired.

**TOWN NOTES**  
(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issues†	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
Dec. 18, 1896 Spec.	Jan. 1, 1897	\$ 15,000.00					
June 20, 1897 Spec.	Jan. 1, 1898	17,000.00					
June 10, 1898 Spec.	July 1, 1898	5,000.00					
Nov. 5, 1903 Spec.	Nov. 2, 1903	13,000.00					
Mar. 7, 1904 Reg.	Jan. 1, 1905	5,000.00					
Apr. 2, 1912 Spec.	May 1, 1912	2,000.00					
Aug. 4, 1941 Spec.	Oct. 15, 1941	100,000.00					
Sept. 14, 1942 Spec.	Oct. 15, 1942	100,000.00					
Feb. 8, 1943 Spec.	Feb. 15, 1943	50,000.00					
Mar. 6, 1950 Reg.	Sept. 15, 1950	241,000.00					
<b>TOTAL</b>		<b>\$ 551,000.00</b>					<b>TOTAL</b>

The bonds and notes outstanding at end of year should agree with the Balance Sheet. When bonds and notes are repaid report the first three columns only.

\*Date of meeting and whether regular or special.

†List original issues of bonds and notes including those that have been retired.

Annual report of ..... TOWN OF HUDSON LIGHT AND POWER DEPARTMENT ..... Year ended December 31, 1951

TOTAL COST OF PLANT - ELECTRIC

1. Report below the cost of utility plant in service according to prescribed accounts.  
 2. Do not include as adjustments, corrections of additions and retirements for the current or the preceding year. Such items should be included in column (c) or (d) as appropriate.  
 3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative effect of such accounts.  
 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (c)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT	\$ 3,833.40	\$ 46.35	.00	.00	.00	\$ 3,879.76
2							
3							
4							
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights.....	.00	.00	.00	.00	.00	.00
8	311 Structures and Improvements.....	.00	.00	.00	.00	.00	.00
9	312 Boiler Plant Equipment.....	.00	.00	.00	.00	.00	.00
10	313 Engines and Engine Driven Generators.....	.00	.00	.00	.00	.00	.00
11	314 Turbogenerator Units.....	.00	.00	.00	.00	.00	.00
12	315 Accessory Electric Equipment.....	.00	.00	.00	.00	.00	.00
13	316 Miscellaneous Power Plant Equipment.....	.00	.00	.00	.00	.00	.00
14							
15	Total Steam Production Plant.	.00	.00	.00	.00	.00	.00
16	B. Nuclear Production Plant						
17	320 Land and Land Rights.....	2,181.96	(929.03)	.00	.00	.00	1,252.93
18	321 Structures and Improvements.....	837,209.37	9,208.94	.00	.00	.00	846,418.31
19	322 Reactor Plant Equipment.....	1,237,652.33	16,600.22	.00	.00	.00	1,254,252.55
20	323 Turbogenerator Units.....	200,779.80	3,205.99	.00	.00	.00	203,985.79
21	324 Accessory Electric Equipment.....	300,623.81	3,583.21	.00	.00	.00	304,207.02
22	325 Miscellaneous Power Plant Equipment.....	94,692.43	1,255.47	.00	.00	.00	95,947.90
23	Total Nuclear Production Plant	2,673,139.70	33,324.80	.00	.00	.00	2,706,464.50

TOTAL COST OF PLANT - ELECTRIC (Continued)									
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)		
3	C. Hydraulic Production Plant								
3	328 Land and Lead Rights.....	.00	.00	.00	.00	.00	.00		
3	331 Structures and Improvements.....	.00	.00	.00	.00	.00	.00		
4	333 Reservoirs, Dams and Waterways	.00	.00	.00	.00	.00	.00		
5	335 Water Wheels, Turbines and Generators.....								
6	336 Accessory Electric Equipment.....	.00	.00	.00	.00	.00	.00		
7	338 Miscellaneous Power Plant Equipment.....	.00	.00	.00	.00	.00	.00		
8	339 Roads, Railroads and Bridges.....	.00	.00	.00	.00	.00	.00		
9	Total Hydraulic Production Plant	.00	.00	.00	.00	.00	.00		
10	D. Other Production Plant								
11	340 Land and Lead Rights.....	5,500.00	.00	.00	.00	.00	5,500.00		
12	341 Structures and Improvements.....	332,767.70	.00	.00	.00	.00	332,767.70		
13	342 Fuel Holders, Pumps and Accessories.....	123,989.32	.00	.00	.00	.00	123,989.32		
14	343 Prime Movers.....	2,455,596.22	.00	.00	.00	.00	2,455,596.22		
15	344 Generators.....	296,559.88	.00	.00	.00	.00	296,559.88		
16	345 Accessory Electric Equipment.....	831,169.33	1,300.95	.00	.00	.00	832,470.28		
17	346 Miscellaneous Power Plant Equipment.....	43,463.17	.00	.00	.00	.00	43,463.17		
18	Total Other Production Plant.....	4,089,045.62	1,300.95	.00	.00	.00	4,090,346.57		
19	Total Production Plant.....	6,762,185.32	34,625.75	.00	.00	.00	6,796,811.07		
20	E. TRANSMISSION PLANT								
21	350 Land and Lead Rights.....	53,804.14	.00	.00	.00	.00	53,804.14		
22	351 Clearing Land and Rights of Way	.00	.00	.00	.00	.00	.00		
23	352 Structures and Improvements.....	168,166.08	.00	.00	.00	.00	168,166.08		
24	353 Station Equipment.....	338,172.46	46,116.18	.00	.00	.00	384,288.64		
25	354 Towers and Poles.....	.00	.00	.00	.00	.00	.00		
26	355 Poles and Pickets.....	796,839.02	.00	.00	.00	.00	796,839.02		
27	356 Overhead Conductors and Devices	227,329.01	.00	.00	.00	.00	227,329.01		
28	357 Underground Conductors.....	258.07	.00	.00	.00	.00	258.07		
29	358 Underground Conductors and Devices.....	.00	.00	.00	.00	.00	.00		
30	359 Roads and Trails.....	.00	.00	.00	.00	.00	.00		
31	Total Transmission Plant.....	1,564,568.78	46,116.18	.00	.00	.00	1,630,684.96		

TOTAL COST OF PLANT (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	<b>4. DISTRIBUTION PLANT</b>						
2	300 Land and Land Rights.....	.00	.00	.00	.00	.00	.00
3	301 Structures and Improvements....	3,586.53	.00	.00	.00	.00	3,586.53
4	302 Station Equipment.....	399,401.27	.00	.00	.00	.00	399,401.27
5	303 Storage Battery Equipment.....	.00	.00	.00	.00	.00	.00
6	304 Poles, Towers and Pickets.....	704,617.61	14,928.15	.00	.00	.00	719,545.76
7	305 Overhead Conductors and Devices	2,052,504.91	89,562.59	.00	.00	.00	2,142,067.50
8	306 Underground Cables.....	264,089.66	43.55	.00	.00	.00	264,133.21
9	307 Underground Cables and Devices	601,975.80	37,432.47	.00	.00	.00	639,408.27
10	308 Line Transformers.....	1,819,794.85	34,000.11	.00	.00	.00	1,854,484.96
11	309 Services.....	475,117.91	(1,186)	.00	.00	.00	474,376.05
12	310 Misc.....	623,286.09	6,502.73	4,341.78	.00	.00	625,527.04
13	311 Inst. Stations on Cust's Premises..	.00	.00	.00	.00	.00	.00
14	312 Leased Prop. on Cust's Premises..	.00	.00	.00	.00	.00	.00
15	313 Street Lighting and Signal Systems	337,974.28	3,135.49	.00	.00	.00	341,109.77
16	<b>Total Distribution Plant.....</b>	<b>7,282,348.91</b>	<b>185,633.23</b>	<b>4,341.78</b>	<b>.00</b>	<b>.00</b>	<b>7,463,640.36</b>
17	<b>5. GENERAL PLANT</b>						
18	500 Land and Land Rights.....	.00	.00	.00	.00	.00	.00
19	501 Structures and Improvements....	473,049.65	141.46	.00	.00	.00	473,191.11
20	502 Office Furniture and Equipment..	441,808.23	11,475.24	.00	.00	.00	453,283.47
21	503 Transportation Equipment.....	513,104.70	.00	.00	.00	.00	513,104.70
22	504 Store Equipment.....	12,045.77	.00	.00	.00	.00	12,045.77
23	505 Tools, Shop and Garage Equipment	16,224.04	.00	.00	.00	.00	16,224.04
24	506 Laboratory Equipment.....	20,609.03	.00	.00	.00	.00	20,609.03
25	507 Power Operated Equipment.....	3,497.50	.03	.00	.00	.00	3,497.53
26	508 Communication Equipment.....	46,653.52	.00	.00	.00	(1,454.76)	45,198.76
27	509 Miscellaneous Equipment.....	12,940.69	1,472.35	.00	.00	.00	14,413.04
28	510 Other Tangible Property.....	33.72	.00	.00	.00	.00	33.72
29	<b>Total General Plant.....</b>	<b>1,539,966.85</b>	<b>13,089.08</b>	<b>.00</b>	<b>.00</b>	<b>(1,454.76)</b>	<b>1,551,601.17</b>
30	<b>Total Electric Plant in Service..</b>	<b>17,172,903.26</b>	<b>279,510.60</b>	<b>4,341.78</b>	<b>.00</b>	<b>(1,454.76)</b>	<b>17,446,617.32</b>
31							<b>Total Cost of Electric Plant.....</b>
32							17,446,617.32
33							<b>Less Cost of Land, Land Rights, Rights of Way.....</b>
34							64,436.83
							<b>Total Cost upon which Depreciation based.....</b>
							17,382,180.49
							521,465.41

The above figures should show the original cost of the existing property. In case any part of the property is sold or retired, the cost of such property should be deducted from the cost of the plant. The net cost of the property, less the land values, should be taken as a basis for computing depreciation.

## COMPARATIVE BALANCE SHEET Assets and Other Debits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	UTILITY PLANT			
2	101 Utility Plant — Electric (P. 17)	6,693,241.98	6,431,997.92	(261,244.06)
3	101 Utility Plant — Gas (P. 20)	.00	.00	.00
4	120 Nuclear Fuel	109,640.61	90,753.20	(18,887.41)
5	Total Utility Plant	6,802,882.59	6,522,751.12	(280,131.47)
6	OTHER PROPERTY & INVESTMENTS			
7	123 Invest. in Assoc. Companies	.00	146,418.33	146,418.33
8	124 Other Investments	.00	.00	.00
9				
10	Total Other Property & Invest.	.00	146,418.33	146,418.33
11	FUND ACCOUNTS			
12	125 Sinking Funds	.00	.00	.00
13	125 Depreciation Fund (P. 14)	2,641,749.04	2,648,270.83	6,521.79
14	128 Other Special Funds	807,924.94	719,720.95	(88,203.98)
15	Total Funds	3,449,673.98	3,367,991.79	(81,682.19)
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14)	175,995.70	1,057,173.28	881,177.58
18	132 Special Deposits	269,064.65	319,845.04	50,780.39
19	133 Working Funds	500.00	500.00	.00
20	171 Divident and Div. Rec.	42,498.92	42,632.04	133.12
21	142 Customer Accounts Receivable	2,978,459.65	3,023,303.48	44,843.83
22	143 Other Accounts Receivable	73,253.64	200,932.78	127,679.14
23	146 Receivables from Municipality	2,286.36	2,286.36	.00
24	151 Materials and Supplies (P. 14)	730,460.80	610,567.42	(119,893.38)
25	173 Accrued Utility Revenues	.00	.00	.00
26	165 Prepayments	501,542.18	549,531.72	47,989.54
27	174 Miscellaneous Current Assets	.00	.00	.00
28	Total Current and Accrued Assets	4,774,061.90	5,806,772.12	1,032,710.22
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount	.00	.00	.00
31	183 Preliminary Survey Charge	.00	.00	.00
32	185 Other Deferred Debits	73,338.76	368,668.72	295,329.96
33	Total Deferred Debits	73,338.76	368,668.72	295,329.96
34				
35	Total Assets and Other Debits	15,099,957.23	15,212,602.08	1,112,644.85

## COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	APPROPRIATIONS			
2	201 Appropriations for Construction	.00	.00	.00
3	SURPLUS			
4	205 Sinking Fund Reserves	.00	.00	.00
5	206 Loans Repayment	1,925,000.00	1,925,000.00	.00
6	207 Appropriations for Construction Repayments	20,093.39	20,093.39	.00
7	208 Unappropriated Earned Surplus (P. 12)	10,391,513.07	12,327,587.10	1,936,074.03
8	Total Surplus	12,336,606.46	14,272,680.49	1,936,074.03
9	LONG TERM DEBT			
10	221 Bonds (P. 6)	.00	.00	.00
11	231 Notes Payable (P. 7)	.00	.00	.00
12	Total Bonds and Notes	.00	.00	.00
13	CURRENT AND ACCRUED LIABILITIES			
14	232 Accounts Payable	606,036.72	542,338.21	(63,698.51)
15	234 Payables to Municipality	.00	.00	.00
16	235 Customers' Deposits	269,064.65	319,845.04	50,780.39
17	241 Tax Collections Payable	21,098.75	21,632.14	533.39
18	237 Interest Accrued	.00	.00	.00
19	242 Miscellaneous Current and Accrued Liabilities	32,168.48	10,584.97	(21,583.51)
20	Total Current and Accrued Liabilities	928,368.60	894,400.36	(33,968.24)
21	DEFERRED CREDITS			
22	251 Unamortized Premium on Debt	.00	.00	.00
23	252 Customer Advances for Construction	23,850.00	15,650.00	( 8,200.00)
24	253 Other Deferred Credits	701,032.85	15,817.50	(685,215.35)
25	Total Deferred Credits	724,882.85	31,467.50	(693,415.35)
26	RESERVES			
27	260 Reserves for Uncollectible Accounts	.00	.00	.00
28	261 Property Insurance Reserve	.00	.00	.00
29	262 Injuries and Damages Reserves	700,000.00	605,394.41	( 94,605.59)
30	263 Pensions and Benefits Reserves	.00	.00	.00
31	265 Miscellaneous Operating Reserves	.00	.00	.00
32	Total Reserves	700,000.00	605,394.41	( 94,605.59)
33	CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271 Contributions in Aid of Construction	410,099.32	408,659.32	( 1,440.00)
35	Total Liabilities and Other Credits	15,099,957.23	16,212,602.08	1,112,644.85

State below if any earnings of the municipal lighting plant have been used for any purpose other than discharging indebtedness of the plant, the purpose for which used and the amount thereof.

## STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Total	
		Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	OPERATING INCOME		
2	400 Operating Revenues (P. 37 and 43)	\$ 30,211,733.81	540,820.43
3	Operating Expenses:		
4	401 Operation Expense (P. 42 and 47)	29,259,882.85	( 97,981.17)
5	402 Maintenance Expense (P. 42 and 47)	543,996.37	5,555.48
6	403 Depreciation Expense	.00	( 420,798.01)
7	407 Amortization of Property Losses	.00	.00
8			
9	408 Taxes (P. 49)	29,738.67	21,407.00
10	Total Operating Expenses	29,833,617.89	( 491,756.70)
11	Operating Income	378,115.92	1,032,577.13
12	411 Other Utility Operating Income (P. 50)	.00	.00
13			
14	Total Operating Income	378,115.92	1,032,577.13
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing and Contract Work (P. 51)	.00	.00
17	419 Interest Income	255,055.50	( 35,138.22)
18	421 Miscellaneous Nonoperating Income	239,441.78	239,338.38
19	Total Other Income	494,497.28	204,200.16
20	Total Income	872,613.20	1,236,777.29
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	423 Miscellaneous Amortization	.00	.00
23	426 Other Income Deductions	547.38	412.16
24	Total Income Deductions	547.38	412.16
25	Income Before Interest Charges	872,065.82	1,236,365.13
26	INTEREST CHARGES		
27	427 Interest on Bonds and Notes	.00	.00
28	428 Amortization of Debt Discount and Expense	.00	.00
29	429 Amortization of Premium on Debt — Credit	.00	.00
30	431 Other Interest Expense	94.11	65.22
31	432 Interest Charged to Construction — Credit	.00	.00
32	Total Interest Charges	94.11	65.22
33	NET INCOME	871,971.71	1,236,299.91

## EARNED SURPLUS

Line No.	(a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		\$ 10,391,513.07
35			
36			
37	433 Balance Transferred from Income		871,971.71
38	434 Miscellaneous Credits to Surplus (P. 21)		1,264,123.83
39	435 Miscellaneous Debits to Surplus (P. 21)	21.51	
40	436 Appropriations of Surplus (P. 21)	200,000.00	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	12,327,587.10	
43			
44	TOTALS	\$12,527,608.61	\$ 12,527,608.61



CASH BALANCES AT END OF YEAR (Account 131)

Line No.	Items (a)	Amount (b)
1	Operation Fund .....	\$1,057,173.28
2	Interest Fund .....	.00
3	Bond Fund .....	.00
4	Construction Fund .. (128) .....	.00
5	Miscellaneous Cash (128) .....	43,781.87
6	Insurance Escrow Reserve (128) .....	673,266.67
7	Insurance Escrow-Project #6 (128) .....	1,518.01
8	Insurance Escrow-Pilgrim (128) .....	1,154.41
9		
10		
11		
12		
	TOTAL	\$1,776,894.24

MATERIALS AND SUPPLIES (Accounts 151-159, 163)  
Summary Per Balance Sheet

Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 25) .....	\$ 315,905.73	
14	Fuel Stock Expenses (Account 152) .....		
15	Residuals (Account 153) .....		
16	Plant Materials and Operating Supplies (Account 154) .....	294,661.69	Not Applicable
17	Merchandise (Account 155) .....		
18	Other Materials and Supplies (Account 156) .....		
19	Nuclear Fuel Assemblies and Components — In Reactor (Account 157) .....		
20	Nuclear Fuel Assemblies and Components — Stock Account (Account 158) .....		
21	Nuclear Byproduct Materials (Account 159) .....		
22	Stores Expense (Account 163) .....		
23	Total Per Balance Sheet	\$ 610,567.42	

DEPRECIATION FUND ACCOUNT (Account 136)

Line No.	(a)	Amount (b)
24	DEBITS	
25	Balance of account at beginning of year .....	\$2,641,749.04
26	Income during year from balances on deposit .....	182,442.53
27	Amount transferred from income .....	.00
28	Reimbursement from sale of Plant & Damaged Property, Etc. ....	167,177.66
29	TOTAL	\$2,991,369.23
30	CREDITS	
31	Amount expended for construction purposes (Sec. 57, C. 164 of G.L.) .....	\$ 343,098.40
32	Amounts expended for renewals, viz.:—	
33		
34		
35		
36		
37		
38		
39	Balance on hand at end of year .....	\$2,648,270.83
40	TOTAL	\$2,991,369.23

**UTILITY PLANT -- ELECTRIC**

1. Report below the items of utility plant in service according to prescribed accounts.  
 2. Do not include as adjustments, corrections of additions and retirements for the current or the pre-

ceding year. Such items should be included in column (c).  
 3. Credit adjustments of plant accounts should be enclosed in parentheses to indicate the negative

effect of such amounts.  
 4. Reclassifications or transfers within utility plant accounts should be shown in column (f).

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT	\$ 3,833.40	\$ 46.36	\$ .00	\$ .00	\$ .00	\$ 3,879.76
2							
3							
4							
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
14	Total Steam Production Plant						
15	B. Nuclear Production Plant						
16	320 Land and Land Rights	2,181.96	.00	.00	929.03	.00	1,252.93
17	321 Structures and Improvements	837,209.37	9,208.94	.00	.00	.00	846,418.31
18	322 Reactor Plant Equipment	1,237,652.33	16,600.22	.00	.00	.00	1,254,252.55
19	323 Turbogenerator Units	200,779.80	3,205.99	.00	.00	.00	203,985.79
20	324 Accessory Electric Equipment	300,623.81	3,983.21	.00	.00	.00	304,607.02
21	325 Miscellaneous Power Plant Equipment	94,692.43	1,255.47	.00	.00	.00	95,947.90
22	Total Nuclear Production Plant	2,673,139.70	34,253.83	.00	929.03	.00	2,706,464.50
23							

UTILITY PLANT — EL RIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant	\$	\$	\$	\$	\$	\$
2	330 Land and Land Rights .....						
3	331 Structures and Improvements .....						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators .....						
6	334 Accessory Electric Equipment .....						
7	335 Miscellaneous Power Plant Equipment .....						
8	336 Roads, Railroads and Bridges .....						
9	Total Hydraulic Production Plant						
10	D. Other Production Plant						
11	340 Land and Land Rights .....	5,500.00	.00	.00	.00	.00	5,500.00
12	341 Structures and Improvements .....	8,449.62	.00	.00	.00	.00	8,449.62
13	342 Fuel Holders, Producers and Accessories .....	17,763.81	.00	.00	.00	.00	17,763.81
14	343 Prime Movers .....	164,364.31	.00	.00	.00	.00	164,364.31
15	344 Generators .....	13,763.87	.00	.00	.00	.00	13,763.87
16	345 Accessory Electric Equipment .....	28,989.73	1,300.95	.00	.00	.00	30,290.68
17	346 Miscellaneous Power Plant Equipment .....	16,721.97		.00	.00	.00	16,721.97
18	Total Other Production Plant ..	255,553.31	1,300.95	.00	.00	.00	256,854.26
19	Total Production Plant .....	2,928,693.01	35,554.78	.00	929.03	.00	2,963,318.76
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights .....	53,804.14	.00	.00	.00	.00	53,804.14
22	351 Clearing Land and Rights of Way	6,812.85	.00	.00	.00	.00	6,812.85
23	352 Structures and Improvements .....	24,939.11	.00	.00	.00	.00	24,939.11
24	353 Station Equipment .....	60,763.17	46,116.18	.00	.00	.00	106,879.35
25	354 Towers and Fixtures .....	.00	.00	.00	.00	.00	.00
26	355 Poles and Fixtures .....	68,684.18	.00	.00	.00	.00	68,684.18
27	356 Overhead Conductors and Devices	49,329.55	.00	.00	.00	.00	49,329.55
28	357 Underground Conduit .....	94.39	.00	.00	.00	.00	94.39
29	358 Underground Conductors and Devices .....	.00	.00	.00	.00	.00	.00
30	359 Roads and Trails .....	.00	.00	.00	.00	.00	.00
31	Total Transmission Plant .....	264,427.39	46,116.18	.00	.00	.00	310,543.57

UTILITY PLANT — ELECTRIC (Continued)

Line No.	Account (a)	Balance beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance end of Year (g)
1	4. DISTRIBUTION PLANT	\$	\$	\$	\$	\$	\$
2	360 Land and Land Rights	.00	.00	.00	.00	.00	.00
3	361 Structures and Improvements	644.85	.00	.00	.00	.00	644.85
4	362 Station Equipment	99,720.19	.00	.00	.00	.00	99,720.19
5	363 Storage Battery Equipment	.00	.00	.00	.00	.00	.00
6	364 Poles, Towers and Fixtures	122,787.24	21,249.67	.00	6,321.52	.00	137,715.39
7	365 Overhead Conductors and Devices	502,084.05	96,766.62	.00	7,204.03	.00	591,646.64
8	366 Underground Conduit	137,446.35	5,487.14	.00	5,443.59	.00	137,489.90
9	367 Underground Conductors and Devices	377,500.12	55,744.12	.00	18,311.65	.00	414,932.59
10	368 Line Transformers	657,124.83	39,727.60	.00	5,037.49	.00	691,814.94
11	369 Services	159,792.44	6,134.45	.00	6,876.31	.00	159,050.58
12	370 Meters	295,158.30	6,628.83	.00	46.10	.00	301,741.03
13	371 Installations on Cust's Premises	.00	.00	.00	.00	.00	.00
14	372 Leased Prop. on Cust's Premises	.00	.00	.00	.00	.00	.00
15	373 Street Lig. and Signal Systems	79,488.02	3,756.49	.00	621.00	.00	82,623.51
16	Total Distribution Plant	2,431,746.39	235,494.92	.00	49,861.69	.00	2,617,379.62
17	5. GENERAL PLANT						
18	389 Land and Land Rights						
19	390 Structures and Improvements	90,716.01	141.46	.00	.00	.00	90,857.47
20	391 Office Furniture and Equipment	189,680.03	15,195.24	.00	3,720.00	.00	201,155.27
21	392 Transportation Equipment	196,316.94	.00	.00	.00	.00	196,316.94
22	393 Stores Equipment	3,810.89	.00	.00	.00	.00	3,810.89
23	394 Tools, Shop and Garage Eqpt.	8,153.25	.00	.00	.00	.00	8,153.25
24	395 Laboratory Equipment	7,442.81	.00	.00	.00	.00	7,442.81
25	396 Power Operated Equipment	2,136.30	.03	.00	.00	.00	2,136.33
26	397 Communication Equipment	19,977.89	.00	.00	.00	( 1,454.76)	18,523.13
27	398 Miscellaneous Equipment	6,977.42	1,472.35	.00	.00	.00	8,449.77
28	399 Other Tangible Property	30.35	.00	.00	.00	.00	30.35
29	Total General Plant	525,241.89	16,809.08	.00	720.00	( 1,454.76)	536,876.21
30	Total Electric Plant in Service	6,153,942.08	334,021.32	.00	54,510.72	( 1,454.76)	6,431,997.92
31	104 Utility Plant Leased to Others						
32	105 Property Held for Future Use	539,299.90	.00	.00	.00	( 539,299.90)	.00
33	107 Construction Work in Progress						
34	Total Utility Plant Electric	6,693,241.98	334,021.32		54,510.72	( 540,754.66)	6,431,997.92

**PRODUCTION FUEL AND OIL STOCKS (Included in Account 151)**  
 (Except Nuclear Materials)

1. Report below the information called for concerning production fuel and oil stocks.
2. Show quantities in tons of 2,000 lbs. gal. or Mcf. whichever unit of quantity is applicable.
3. Each kind of coal or oil should be shown separately.
4. Show gas and electric fuels separately by specific use.

Line No.	Item (a)	Total Cost (b)	KINDS OF FUEL AND OIL			
			#2 Diesel		Gas MCF	
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of Year	\$ 319,221.37	533,159	\$ 319,221.37	0	\$ .00
2	Received During Year	413,752.68	296,540	178,908.08	82,073	234,844.60
3	TOTAL	732,974.05	829,699	498,129.45	82,073	234,844.60
4	Used During Year (Note A)	317,201.80	137,703	82,357.20	82,073	234,844.60
5						
6						
7						
8						
9						
10						
11	Sold or Transferred	2,812.57	5,325	2,812.57	0	.00
12	TOTAL DISPOSED OF	320,014.37	143,028	85,169.77	82,073	234,844.60
13	BALANCE END OF YEAR	412,959.68	686,671	412,959.68	0	.00

Line No.	Item (g)	KINDS OF FUEL AND OIL—Continued			
		Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14	On Hand Beginning of Year		\$		\$
15	Received During Year				
16	TOTAL				
17	Used During Year (Note A)				
18					
19					
20					
21					
22					
23					
24	Sold or Transferred				
25	TOTAL DISPOSED OF				
26	BALANCE END OF YEAR				

Note A — Indicate specific purpose for which used, e.g., Boiler Oil, Make Oil, Generator Fuel, etc.

MISCELLANEOUS NONOPERATING INCOME (Account 621)		
Line No.	Item (a)	Amount (b)
1		
2		
3		
4		
5		
6		
	TOTAL	
OTHER INCOME DEDUCTIONS (Account 626)		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14		
	TOTAL	
MISCELLANEOUS CREDITS TO SURPLUS (Account 634)		
Line No.	Item (a)	Amount (b)
15	Partial Pilgrim I Settlement with Boston Edison	1,264,123.83
16		
17		
18		
19		
20		
21		
22		
23		
	TOTAL	1,264,123.83
MISCELLANEOUS DEBITS TO SURPLUS (Account 635)		
Line No.	Item (a)	Amount (b)
24	Pilgrim II Adjustment	21.51
25		
26		
27		
28		
29		
30		
31		
32		
	TOTAL	21.51
APPROPRIATIONS OF SURPLUS (Account 636)		
Line No.	Item (a)	Amount (b)
33	Transferred to Town Treasury	200,000.00
34		
35		
36		
37		
38		
39		
	TOTAL	200,000.00

**MUNICIPAL REVENUES (Accounts 482, 444)**  
 (K.W.H. sold under the provisions of Chapter 269, Acts of 1927)

Line No	Acc't No	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue per M C F (\$0.0000) (d)
1	480	Not Applicable			
2					
3					
4					
		<b>TOTALS</b>			
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue per K.W.H. (cents) (\$0.0000) (d)
5	444	Municipal: (Other than Street Lighting)			
6		All Electric Power	6,041,400	625,866.96	0.103596
7		Commercial	4,908,048	664,552.22	0.135401
8		Yard Lighting	520,218	85,791.63	0.164915
9			24,874	4,406.47	0.177152
10					
11		<b>TOTALS</b>	11,494,540	1,380,617.28	0.120111
12		Street Lighting:			
13		Town of Hudson	1,221,369	147,485.16	0.120754
14		Town of Stow	26,982	6,097.56	0.225986
15		Town of Berlin	388	84.88	0.218763
16					
17		<b>TOTALS</b>	1,248,739	153,667.60	0.123058
18		<b>TOTALS</b>	12,743,279	1,534,284.88	0.120400

**PURCHASED POWER (Account 555)**

Line No.	Names of Utilities from Which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (d)	Cost per K.W.H. (cents) (\$0.0000) (e)
20	See Pages 54, 55, 56 for Details				
21					
22					
23					
24					
25					
26					
27					
28					
29		<b>TOTALS</b>	243,120,929	25,715,869	105774

**SALES FOR RESALE (Account 447)**

Line No.	Names of Utilities to Which Electric Energy is Sold (a)	Where and at What Voltage Delivered (b)	K.W.H. (c)	Amount (d)	Revenue per K.W.H. (cents) (\$0.0000) (e)
30					
31					
32					
33					
34		N O N E			
35					
36					
37					
38					
39		<b>TOTALS</b>			

**ELECTRIC OPERATING REVENUES (Account 400)**

1. Report below the amount of operating revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.

2. If increases and decreases are not derived from previously reported figures explain any inconsistencies.

3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings are

added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.

4. Unmetered sales should be included below. The details of such sales should be given in a footnote.

5. Classification of Commercial and Industrial Sales, Account 442, according to Small (or Commercial) and Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 Kw of demand. See Account 442 of the Uniform System of Accounts. Explain basis of classification.

Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	<b>SALES OF ELECTRICITY</b>	\$	\$				
2	440 Residential Sales.....	7,931,400.68	(75,012.51)	64,002,488	(948,635)	8,431	141
3	442 Commercial and Industrial Sales:						
4	Small (or Commercial) see instr. 5....	1,748,598.80	53,352.14	10,355,620	288,450	1,099	36
5	Large (or Industrial) see instr. 5.....	18,165,889.75	(759,515.08)	155,124,389	(7,132,312)	193	(5)
6	444 Municipal Sales (P. 22).....	1,534,284.88	(43,657.85)	12,743,279	(537,626)	99	0
7	445 Other Sales to Public Authorities.....	.00	.00	0	0	0	0
8	446 Sales to Railroads and Railways.....	.00	.00	0	0	0	0
9	449 Fuel Charge Adjustment.....	686,032.56	1,546,545.94	0	0	0	0
		105,146.62	(1,801.92)	563,671	(13,732)	147	(1)
10	449 Miscellaneous Electric Sales.....	30,171,353.29	719,910.72	242,789,447	(8,343,855)	9,969	171
11	447 Total Sales to Ultimate Consumers.....	.00	(172,254.23)	0	(6,647,575)	0	0
12	447 Sales for Resale.....	30,171,353.29	547,656.49	242,789,447	(14,991,430)	9,969	171
13	447 Total Sales of Electricity*.....						
14	<b>OTHER OPERATING REVENUES</b>						
15	450 Forfeited Discounts.....						
16	451 Miscellaneous Service Revenues.....	.00					
17	453 Sales of Water and Water Power.....	.00					
18	454 Rent from Electric Property.....	27,484.00					
19	455 Interdepartmental Rents.....	.00					
20	455 Other Electric Revenues.....	12,896.52					
21							
22							
23							
24							
25	Total Other Operating Revenues.....	40,380.52					
26	T Electric Operating Revenues.....	30,211,733.81					

\*Includes revenues from application of fuel clauses \$.....2,546,308.44.....

Total KWII to which applied.....241,568,078.....



**SALES OF ELECTRICITY TO ULTIMATE CONSUMERS**

Report by account the K.W.H. sold, the amount derived and the number of customers under each filed schedule or contract. Municipal sales, contract sales and unbilled sales may be reported separately in total.

Line No.	Account No.	Schedule (e)	K.W.H. (n)	Revenue (f.)	Average Revenue per K.W.H. (cents) (0.0000) (d)	Number of Customers (Per Bills Rendered)	
						July 31. (g)	December 31. (h)
1	440	"A" Domestic Rate	38,197,005	\$ 4,999,012.69	0.130874	6,339	6,392
2	442	"C" Commercial Rate	10,298,237	1,741,279.59	0.169085	1,103	1,096
3	442	"D" Power Sales	155,124,389	18,165,889.75	0.117105	196	193
4	440	"E" Wtr. Htr. Res.	10,806,130	1,285,904.49	0.118998	1,144	1,141
5	440	"F" Rate All Elec.	14,999,353	1,646,483.50	0.109770	899	898
6	442	"G" Rate Com. Heat	57,383	7,319.21	0.127550	3	3
7	44	Street Lighting	1,248,739	153,667.60	0.123058	3	3
8	444	Municipal Sales	11,494,540	1,380,617.28	0.120111	101	99
9	449	Yard Lighting	563,671	105,146.62	0.186539	145	144
10	449	Fuel Charge Adj.	0	686,032.56			
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
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46							
47							
48							
49	<b>TOTAL SALES TO ULTIMATE CONSUMERS (Page 43 line 9)</b>		242,789,447	\$ 30,171,353.29	0.124270	9,933	9,969

**ELECTRIC OPERATION AND MAINTENANCE EXPENSES**

1. Enter in the space provided the operation and maintenance expenses for the year.
2. If the increases and decreases are not derived from previously reported figures explain in footnote.

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>POWER PRODUCTION EXPENSES</b>	\$	\$
2	<b>STEAM POWER GENERATION</b>		
3	Operation:		
4	500 Operation supervision and engineering .....		
5	501 Fuel .....		
6	502 Steam expenses .....		
7	503 Steam from other sources .....		
8	504 Steam transferred — Cr. ....		
9	505 Electric expenses .....		
10	506 Miscellaneous steam power expenses .....		
11	507 Rents .....		
12	Total operation .....		
13	Maintenance:		
14	510 Maintenance supervision and engineering .....		
15	511 Maintenance of structures .....		
16	512 Maintenance of boiler plant .....		
17	513 Maintenance of electric plant .....		
18	514 Maintenance of miscellaneous steam plant .....		
19	Total maintenance .....		
20	Total power production expenses — steam power .....		
21	<b>NUCLEAR POWER GENERATION</b>		
22	Operation:		
23	517 Operation supervision and engineering .....	15,624.41	6,415.67
24	518 Fuel .....	39,262.72	17,082.87
25	519 Coolants and water .....	499.35	(251.61)
26	520 Steam expenses .....	11,012.41	6,996.97
27	521 Steam from other sources .....	.00	.00
28	522 Steam transferred — Cr. ....	.00	.00
29	523 Electric expenses .....	561.41	346.74
30	524 Miscellaneous nuclear power expenses .....	38,503.12	19,352.14
31	525 Rents .....	.00	.00
32	Total operation .....	105,463.42	49,942.78
33	Maintenance:		
34	528 Maintenance supervision and engineering .....	5,763.43	2,714.75
35	529 Maintenance of structures .....	6,394.69	5,735.68
36	530 Maintenance of reactor plant equipment .....	10,039.98	7,532.10
37	531 Maintenance of electric plant .....	6,196.82	5,602.98
38	532 Maintenance of miscellaneous nuclear plant .....	5,150.05	3,834.24
39	Total maintenance .....	33,544.97	25,419.75
40	Total power production expenses-nuclear power .....	139,008.39	75,362.53
41	<b>HYDRAULIC POWER GENERATION</b>		
42	Operation:		
43	535 Operation supervision and engineering .....		
44	536 Water for power .....		
45	537 Hydraulic expenses .....		
46	538 Electric expenses .....		
47	539 Miscellaneous hydraulic power generation expenses .....		
48	540 Rents .....		
49	Total operation .....		

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES — Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	HYDRAULIC POWER GENERATION — Continued	\$	\$
2	Maintenance:		
3	541 Maintenance supervision and engineering .....		
4	542 Maintenance of structures .....		
5	543 Maintenance of reservoirs, dams and waterways .....		
6	544 Maintenance of electric plant .....		
7	545 Maintenance of miscellaneous hydraulic plant .....		
8	Total maintenance .....		
9	Total power production expenses — hydraulic power .....		
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation supervision and engineering .....	21,451.02	114.34
13	547 Fuel .....	264,747.50	(44,666.30)
14	548 Generation expenses .....	185,422.54	3,757.36
15	549 Miscellaneous other power generation expenses .....	46,238.20	46.67
16	550 Rents .....	.00	.00
17	Total operation .....	517,859.26	(40,747.93)
18	Maintenance:		
19	551 Maintenance supervision and engineering .....	21,638.78	( 184.29)
20	552 Maintenance of structures .....	55,858.62	3,298.75
21	553 Maintenance of generating and electric plant .....	78,591.57	(79,016.60)
22	554 Maintenance of miscellaneous other power generation plant .....	3,429.73	973.36)
23	Total maintenance .....	159,518.70	76,875.50)
24	Total power production expenses — other power .....	677,377.96	( 17,623.43)
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power .....	26,058,820.63	( 64,010.28)
27	556 System control and load dispatching .....	26,225.51	706.34
28	557 Other expenses .....	70,818.42	35,749.70
29	Total other power supply expenses .....	26,155,864.56	( 127,554.24)
30	Total power production expenses .....	26,972,250.91	( 169,815.14)
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation supervision and engineering .....	.00	.00
34	561 Load dispatching .....	.00	.00
35	562 Station expenses .....	1,930.09	1,930.09
36	563 Overhead line expenses .....	2,320.00	2,320.00
37	564 Underground line expenses .....	.00	.00
38	565 Transmission of electricity by others .....	1,022,324.39	214,474.79
39	566 Miscellaneous transmission expenses .....	4.46	4.46
40	567 Rents .....	100.00	100.00
41	Total operation .....	1,026,678.94	218,829.34
42	Maintenance:		
43	568 Maintenance supervision and engineering .....	60.65	60.65
44	569 Maintenance of structures .....	694.42	( 4,708.55)
45	570 Maintenance of station equipment .....	29,797.53	26,790.95
46	571 Maintenance of overhead lines .....	6,977.25	6,912.21
47	572 Maintenance of underground lines .....	.00	.00
48	573 Maintenance of miscellaneous transmission plant .....	.00	.00
49	Total maintenance .....	37,529.85	29,055.26
50	Total transmission expenses .....	1,064,208.79	247,884.60

ELECTRIC OPERATION AND MAINTENANCE EXPENSES — Continued			
Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	<b>DISTRIBUTION EXPENSES</b>	\$	\$
2	Operation:		
3	580 Operation supervision and engineering .....	22,108.21	(1,174.69)
4	581 Load dispatching .....	.00	.00
5	582 Station expenses .....	.00	.00
6	583 Overhead line expenses .....	6,793.32	(7,471.40)
7	584 Underground line expenses .....	1,241.61	923.71
8	585 Street lighting and signal system expenses .....	8,260.29	187.64
9	586 Meter expenses .....	35,559.63	3,104.35
10	587 Customer installations expenses .....	2,860.29	2,342.65
11	588 Miscellaneous distribution expenses .....	4,826.93	244.49
12	589 Rents .....	87.00	( 8.00)
13	Total operation .....	81,737.28	(1,851.25)
14	Maintenance:		
15	590 Maintenance supervision and engineering .....	22,108.22	985.12)
16	591 Maintenance of structures .....	.00	.00
17	592 Maintenance of station equipment .....	535.93	288.09
18	593 Maintenance of overhead lines .....	206,477.76	17,381.45
19	594 Maintenance of underground lines .....	18,225.63	16,818.89
20	595 Maintenance of line transformers .....	10,321.65	7.31
21	596 Maintenance of street lighting and signal systems .....	8,613.60	( 1.87)
22	597 Maintenance of meters .....	7,666.92	3,557.56
23	598 Maintenance of miscellaneous distribution plant .....	.00	.00
24	Total maintenance .....	273,949.71	37,286.31
25	Total distribution expenses .....	355,686.99	35,435.06
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	Operation:		
28	901 Supervision .....	10,141.70	732.04
29	902 Meter reading expenses .....	44,133.13	(794.37)
30	903 Customer records and collection expenses .....	152,397.81	12,983.99
31	904 Uncollectible accounts .....	45,483.90	8,362.85
32	905 Miscellaneous customer accounts expenses .....	.00	.00
33	Total customer accounts expenses .....	252,156.54	21,284.51
34	<b>SALES EXPENSES</b>		
35	Operation:		
36	911 Supervision .....	.00	.00
37	912 Demonstrating and selling expenses .....	.00	(25.00)
38	913 Advertising expenses .....	.00	(2,927.10)
39	916 Miscellaneous sales expenses .....	12,675.36	(2,952.10)
40	Total sales expenses .....	12,675.36	(2,952.10)
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	Operation:		
43	920 Administrative and general salaries .....	297,194.44	18,952.29
44	921 Office supplies and expenses .....	13,235.33	1,338.88
45	922 Administrative expenses transferred — Cr. ....	(67.36)	(62.88)
46	923 Outside services employed .....	256,308.83	(19,146.51)
47	924 Property insurance .....	28,375.67	5,366.06
48	925 Injuries and damages .....	54,338.27	(43,566.57)
49	926 Employee pensions and benefits .....	369,827.48	(5,323.70)
50	928 Regulatory commission expenses .....	3,399.51	3,173.59
51	933 Transportation Expense .....	52,462.54	1,838.70
52	930 Miscellaneous general expenses .....	32,372.78	(,502.14)
53	931 Rents .....	.00	.00
54	Total operation .....	1,107,447.49	(21,932.28)

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES — Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	ADMINISTRATIVE AND GENERAL EXPENSES — Cont.	\$	\$
2	Maintenance:		
3	932 Maintenance of general plant .....	39,453.14	( 9,330.34)
4	Total administrative and general expenses .....	1,146,900.63	(224,262.62)
6	Total Electric Operation and Maintenance Expenses .....	29,803,879.22	( 92,425.69)

## SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
6	Power Production Expenses	\$	\$	\$
7	Electric Generation:			
8	Steam power .....			
9	Nuclear power .....	105,463.42	33,544.97	139,008.39
10	Hydraulic power .....			
11	Other power .....	517,859.26	159,518.70	677,377.96
12	Other power supply expenses .....	26,155,864.56	.00	26,155,864.56
13	Total power production expenses .....	26,779,187.24	193,063.67	26,972,250.91
14	Transmission Expenses .....	1,026,678.94	37,529.85	1,064,208.79
15	Distribution Expenses .....	81,737.28	273,919.71	355,686.99
16	Customer Accounts Expenses .....	252,156.54	.00	252,156.54
17	Sales Expenses .....	12,675.36	.00	12,675.36
18	Administrative and General Expenses .....	1,107,447.49	39,453.14	1,146,900.63
19	Total Electric Operation and			
20	Maintenance Expenses .....	29,259,882.85	543,995.37	29,803,879.22

21	Ratio of operating expenses to operating revenues (carry out decimal two places, e.g.: 0.90%) Compute by dividing Revenue (Acct. 400) into the sum of Operation and Maintenance Expenses (Page 47, line 20(d), Depreciation (Acct. 403) and Amortization (Acct. 407)) .....	98.65 %
22	Total salaries and wages of electric department for year, including amounts charged to operating expense, construction and other accounts .....	\$ 1,289,876.71
23	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part time employees)	35

**TAXES CHARGED DURING YEAR**

1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts during the year.  
 2. Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts.

3. The aggregate of each kind of tax should be listed under the appropriate heading of "Federal," "State," and "Local" in such manner that the total tax for each State and for all subdivisions can readily be ascertained.  
 4. The accounts to which the taxes charged were distributed should be shown in columns (c) to (h). Show both the utility department and number of account charged. For taxes charged to utility plant show the

number of the appropriate balance sheet plant account or subaccount.  
 5. For any tax which it was necessary to apportion to more than one utility department or account, state in a footnote the basis of apportioning such tax.  
 6. Do not include in this schedule entries with respect to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.

Line No.	Kind of Tax (e)	Total Taxes Charged During Year (omit cents) (b)	Distribution of Taxes Charged (omit cents) (Show utility department where applicable and account charged)							
			Electric (Acct. 408, 409) (c)	Gas (Acct. 408, 409) (d)	(e)	(f)	(g)	(h)	(i)	(j)
			1	REAL ESTATE TAXES	26,914.43	26,914.43				
2	PAYROLL TAXES	2,824.24	2,824.24							
3										
4										
5										
6										
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26										
27										
28	<b>TOTALS</b>	29,738.67	29,738.67							

OTHER UTILITY OPERATING INCOME (Account 414)

Report below the particulars called for in each column.

Line No.	Property (a)	Amount of Investment (b)	Amount of Revenue (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2					
3					
4					
5					
6					
7					
8	N O N E				
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11					
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48					
49					
50					
51	TOTALS				

**INCOME FROM MERCHANDISING, JOBBING, AND CONTRACT WORK (Account 415)**

Report by utility departments the revenues, costs, expenses, and net income from merchandising, jobbing, and contract work during year.

Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:	\$	\$	\$	\$
2	Merchandise sales, less discounts,				
3	allowances and returns .....				
4	Contract work .....				
5	Commissions .....				
6	Other (list according to major classes) .....				
7					
8					
9					
10	Total Revenues .....				
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost) .....				
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26	Sales expenses .....				
27	Customer accounts expenses .....				
28	Administrative and general expenses .....				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	<b>TOTAL COSTS AND EXPENSES</b>				
51	Net Profit (or Loss)				

N O N E



SALES FOR RESALE (Account 447)

1. Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.

2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) Other Public Authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, G.

and place an "x" in column (c) if sale involves export across a state line.

3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as Other Power, column (b).

4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

Line No.	Sales to (a)	Statistical Classification (b)	Export Across State Lines (c)	Point of Delivery (d)	Substation (e)	Kw or Kva of Demand (Specify Which)		
						Contract Demand (f)	Average Monthly Maximum Demand (g)	Annual Maximum Demand (h)
1								
2								
3								
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N O N E

SALES FOR RESALE (Account 447) -- Continued

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billings to the customer this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).

6. The number of kilowatt-hours sold should be the quantities shown by the bills rendered to the purchasers.

7. Explain any amounts entered in column (n) such as fuel or other adjustments.

8. If a contract covers several points of delivery and small amounts of electric energy are delivered at each point, such sales may be grouped.

Type of Demand Reading (f)	Voltage at Which Delivered (g)	Kilowatt-hours (h)	Revenue (omit Cents)				Revenue per kwh (Cents) (0.0000) (p)	Line No.
			Demand Charges (i)	Energy (m)	Other Charges (n)	Total (o)		
								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
								11
		N O N	E					12
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								40
								41
TOTALS								42



PURCHASED POWER (Account 555) — Continued

(except interchange power)

4. If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS.

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billing, this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in columns (g) and (h) should be actual based on monthly readings and

should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).

6. The number of kilowatt hours purchased should be the quantities shown by the power bills.

7. Explain any amount entered in column (n) such as fuel or other adjustments.

Type of Demand Reading (f)	Voltage at Which Delivered (g)	Kilowatt-hours (h)	Cost of Energy (Omit Cents)				Cost per KWH (Cents) (0.0000) (p)	Line No.
			Charges (i)	Energy Charges (m)	Other Charges (n)	Total (e)		
NA	115KV	12,777,987	1,117,621	74,135	11,230	1,202,986	0.094145	1
NA	115KV	4,568,443	131,991	27,649	9,075	168,715	0.036931	2
NA	115KV	9,286,030	184,454	49,596	13,493	247,543	0.026658	3
NA	115KV	2,072,793	106,337	66,690	0	173,027	0.083475	4
NA	115KV	42,785,915	1,789,989	114,067	0	1,904,056	0.044502	5
NA	115KV	15,756,175	155,874	312,521	0	468,395	0.029728	6
NA	115KV	1,960,485	301,103	10,937	0	312,040	0.159165	7
NA	115KV	1,486,162	354,904	15,613	0	370,517	0.249311	8
NA	115KV	12,489,560	1,267,930	71,771	0	1,339,701	0.107266	9
NA	115KV	1,391,057	167,221	7,994	0	175,215	0.125958	10
NA	115KV	94,576,428	16,843,990	543,319	0	17,387,309	0.183844	11
NA	115KV	7,690,848	388,631	214,871	0	603,502	0.078470	12
NA	115KV	7,295,882	276,537	217,339	0	493,876	0.067692	13
NA	115KV	6,264,219	210,104	207,722	0	417,826	0.066700	14
NA	115KV	17,168,456	84,377	0	0	84,377	0.004915	15
NA	115KV	4,155,274	0	339,134	0	339,134	0.081615	16
NA	115KV	2,232,000	0	50,976	0	50,976	0.022839	17
								18
								19
								20
								21
								22
								23
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								42
CHARGED TO ACCOUNT 549		(836,785)			( 23,326)	( 23,326)		
<b>TOTALS</b>		243,120,92	23,381,063	2,324,334	10,472	25,715,869	0.105774	

**INTERCHANGE POWER (Included in Account 555)**

1. Report below the kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.  
 2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).  
 3. Particulars of settlements for interchange power

shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling,

coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

**A. Summary of Interchange According to Companies and Points of Interchange**

Line No.	Name of Company (a)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt hours			Amount of Settlement (h)
					Received (e)	Delivered (f)	Net Difference (g)	
1	NEPEX		Hudson-Marlboro Town Line	115KV	44,239,720	35,045,820	9,193,900	\$ 345,930.28
2								
3	USED AS STATION POWER AND CHARGED TO (549)				(93,051)		(93,051)	(2,978.82)
4								
5								
6								
7								
8								
9								
10								
11								
12				<b>TOTALS</b>	44,146,669	35,045,820	9,100,849	\$ 342,951.46

**B. Details of Settlement for Interchange Power**

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
18	NEPEX	Energy Received by H.L.&P. - Economy	1,195,828.73
14		- Scheduled Outage	91,703.33
15		- Unscheduled Outage	7,568.86
16		- Deficiency	.00
17		Energy Dollars from NEPOOL	(681,589.37)
18		Quebec Net Savings Fund	( 31,846.85)
19		NEPOOL SAVINGS	(233,362.39)
20		NEPOOL EXPENSES	( 84,352.67)
21		Other	
		<b>TOTAL</b>	345,930.28

**ELECTRIC ENERGY ACCOUNT**

Report below the information called for concerning the disposition of electric energy generated, purchased, and interchanged during the year.

Line No.	Item (a)	Kilowatt-hours (b)
<b>SOURCES OF ENERGY</b>		
1	Generation (excluding station use):	
3	Steam.....	
4	Nuclear.....	5,288,863
5	Hydro.....	
6	Other (Diesel).....	9,399,936
7	Total generation.....	14,688,799
8	Purchases.....	243,120,929
9	Interchanges:	
10	In (gross).....	44,146,669
11	Out (gross).....	35,045,820
12	Net (kwh).....	9,100,849
13	Transmission for/by others (wheeling):	
14	Received.....	
15	Delivered.....	
16	Net (kwh).....	
17	<b>TOTAL</b> .....	<b>266,910,577</b>
<b>DISPOSITION OF ENERGY</b>		
18	Sales to ultimate consumers (including interdepartmental sales).....	242,789,447
19	Sales for resale.....	
20	Energy furnished without charge.....	
21	Energy used by the company (excluding station use):	
22	Electric department only.....	288,162
23	Energy losses:	
24	Transmission and conversion losses.....	10,733,777
25	Distribution losses.....	6,850,091
26	Unaccounted for losses.....	6,249,100
27	Total energy losses.....	23,832,968
28	Energy losses as percent of total on line 15.....	8.9292....%
	<b>TOTAL</b> .....	<b>266,910,577</b>

**MONTHLY PEAKS AND OUTPUT**

1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.  
 2. Monthly peak col. (b) should be respondent's maximum kw load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation as to the nature of the emergency.

3. State type of monthly peak reading (Simultaneous 15, 30, or 60 minutes integrated.)  
 4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 16 above.  
 5. If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.

Line No.	Month (a)	Monthly Peak					Monthly Output (kwh) (See instr. 4) (g)
		Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January.....	42,400	Wednesday	23	9:00	60 Min.	24,403,051
30	February.....	39,800	Tuesday	12	8:00	60 Min.	21,255,474
31	March.....	37,800	Monday	11	9:00	60 Min.	22,592,947
32	April.....	36,000	Monday	1	9:00	60 Min.	20,492,221
33	May.....	40,000	Tuesday	28	14:00	60 Min.	21,710,256
34	June.....	42,000	Friday	28	15:00	60 Min.	22,862,266
35	July.....	44,800	Tuesday	23	15:00	60 Min.	23,930,432
36	August.....	43,100	Wednesday	28	15:00	60 Min.	25,485,889
37	September.....	43,000	Tuesday	17	12:00	60 Min.	19,987,777
38	October.....	35,900	Monday	21	11:00	60 Min.	19,272,710
39	November.....	38,100	Wednesday	27	9:00	60 Min.	21,152,859
40	December.....	40,800	Tuesday	17	9:00	60 Min.	23,764,695
41						<b>TOTAL</b>	<b>266,910,577</b>

## GENERATING STATION STATISTICS (Large Stations)

(Except Nuclear, See Instruction 10)

1. Large stations for the purpose of this schedule are steam and hydro stations of 2,500 Kw\* or more of installed capacity and other stations of 500 Kw\* or more of installed capacity (name plate ratings). (\*10,000 Kw and 2,500 Kw, respectively, if annual electric operating revenues of respondent are \$21,000,000 or more.)

2. If any plant is leased, operated under a license from the Federal Power Commission, or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.

3. Specify if total plant capacity is reported in kw instead of kilowatts as called for on line 5.

4. If peak demand for 60 minutes is not available, give that which is available, specifying period.

5. If a group of employees attends more than one generating station, report on line 11 the approximate average number of employees assignable to each station.

6. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M cu. ft.

7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense accounts 501 and

Line No.	Item (a)	Plant (b) CHERRY ST. STA.	Plant (c) HLP PEAKING	Plant (d)
1	Kind of plant (steam, hydro, int. comb., gas turbine)	INT. COMB	INT. COMB	
2	Type of plant construction (conventional, outdoor boiler, full outdoor, etc.)	CONVENTIONAL	CONVENTIONAL	
3	Year originally constructed	1897	1962	
4	Year last unit was installed	1972	1962	
5	Total installed capacity (maximum generator name plate ratings in kw)	16,150*	4,400	
6	Net peak demand on plant-kilowatts (60 min.)	15.2	4.4	
7	Plant hours connected to load	921	663	
8	Net continuous plant capability, kilowatts:			
9	(a) When not limited by condenser water	15,200	4,400	
10	(b) When limited by condenser water	15,200	4,400	
11	Average number of employees	12		
12	Net generation, exclusive of station use	8,621,248	1,778,688	
13	Cost of plant (omit cents):			
14	Land and land rights	5,500		
15	Structures and improvements	332,768		
16	Reservoirs, dams, and waterways			
17	Equipment costs	3,040,025	712,054	
18	Roads, railroads, and bridges			
19	Total cost	3,378,293	712,054	
20	Cost per kw of installed capacity	222	162	
21	Production expenses:			
22	Operation supervision and engineering	\$ 21,451.02		
23	Station labor	174,768.68		
24	Fuel	264,747.50		
25	Supplies and expenses, including water	56,892.06		
26	Maintenance	159,518.70		
27	Rents			
28	Steam from other sources			
29	Steam transferred—Credit			
30	Total production expenses	677,377.96		
31	Expenses per net Kwh (5 places)	\$ 0.072062		
32	Fuel: Kind	#2 DIESEL	NATURAL GAS	
33	Unit: (Coal—tons of 2,000 lb.) (Oil—barrels of 42 gal.) (Gas—M cu. ft.) (Nuclear, indicate)	42 Gal	M Cu Ft.	
34	Quantity (units) of fuel consumed	3747	82073	
35	Average heat content of fuel (B.t.u. per lb. of coal, per gal. of oil, or per cu. ft. of gas)	140,000 BTU	910 BTU	
36	Average cost of fuel per unit, del. f.o.b. plant		\$2.07575 MCF	
37	Average cost of fuel per unit consumed	\$ 25.1892 BBL	\$2.07575 MCF	
38	Average cost of fuel consumed per million B.t.u.	\$ 4.28393	\$2.28106	
39	Average cost of fuel consumed per kwh net gen.	\$ 0.02816		
40	Average B.t.u. per kwh net generation	10298		
41				
42				

TOWN OF HUDSON LIGHT AND POWER DEPARTMENT

The Hudson Light and Power Department is a .07737% owner of Seabrook Unit #1 located at Seabrook, N.H. The accounting system is based on the FERC system of accounts. Fuel costs are based on an amortized bases of KWH generated over the anticipation cycle life of the core. These costs are determined by using an energy weighted average for each batch of fuel in the reactor. Disposal costs of 1 mill per KWH generation are based on current costs of disposal. The unit is a fully enclosed unit with a net plant capability of 1150 megawatts. Total installed generator capacity is 1197. The unit burns U<sub>3</sub> O<sub>8</sub> fuel.



GENERATING STATION STATISTICS (Large Stations) — Continued  
(Except Nuclear, See Instruction 10)

547 as shown on line 24.

8. The items under cost of plant and production expenses represents accounts or combinations of accounts prescribed by the Uniform System of Accounts. Production expenses, however, do not include Purchased Power, System Control and Load Dispatching, and Other Expenses classified as "Other Power Supply Expenses."

9. If any plant is equipped with combinations of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if a gas turbine unit functions in a combined

operation with a conventional steam unit, the gas turbine should be included with the steam station.

10. If the respondent operates a nuclear power generating station submit: (a) a brief explanatory statement concerning accounting for the cost of power generated including any attribution of excess costs to research and development expenses; (b) a brief explanation of the fuel accounting specifying the accounting methods and types of cost units used with respect to the various components of the fuel cost, and (c) such additional information as may be informative concerning the type of plant, kind of fuel used, and other physical and operating characteristics of the plant.

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (i)	Plant (j)	Line No.
						1
						2
						3
						4
						5
						6
						7
						8
						9
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STEAM GENERATING STATIONS

1. Report the information called for concerning generating stations and equipment at end of year.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such property is leased from another company, give name of

lessor, date and term of lease, and annual rent. For any generating station, other than a leased station or portion thereof for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent ownership by respondent, name of co-owner, basis of sharing output,

Line No.	Name of Station (a)	Location of Station (b)	Boilers				
			Number and Year installed (c)	Kind of Fuel and Method of Firing (d)	Rated Pressure in lbs. (e)	Rated Steam Temperature (f)	Rated Max. Continuous M lbs. Steam per Hour (g)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12		NOT APPLICABLE					
13							
14							
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20							
21							
22							
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37							

Note reference:

\*Indicate reheat boilers thusly 1050/1000.

STEAM GENERATING STATIONS — Continued

expenses or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined. Specify whether lessee is an associated company.

5. Designate any plant or equipment owned, not operated, and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Turbine-Generators\*

Year Installed (h)	Type† (i)	Steam Pressure at Throttle p.s.i.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts		Hydrogen Pressure‡		Power Factor (p)	Voltage K.v.†† (q)	Station Capacity Maximum Name Plate Rating‡‡ (r)	Line No.
				At Minimum Hydrogen Pressure (l)	At Maximum Hydrogen Pressure (m)	Min. (n)	Max. (o)				
				NOT APPLICABLE							
TOTALS											
											1
											2
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											37

Note references:

\*Report cross-compound turbine-generator units on two lines — H.P. section and L.P. section.

†Indicate tandem-compound (T.C.); cross-compound (C.C.); all single casing (S.C.); topping unit (T), and noncondensing (N.C.). Show back pressures.

‡Designate air cooled generators.

††If other than 3 phase, 60 cycle, indicate other characteristic.

‡‡Should agree with column (m).

Annual report of.....

HYDROELECTRIC GENERATING STATIONS

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such

property is leased from another company, give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as

Line No.	Name of Station (a)	Location (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
1							
2							
3							
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NOT APPLICABLE

\*Horizontal or vertical. Also indicate type of runner — Francis (F), fixed propeller (FP), automatically adjustable propeller (AP), Impulse (I).

HYDROELECTRIC GENERATING STATIONS — Continued

percent of ownership by respondent, name of co-owner, basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.

4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined.

Specify whether lessee is an associated company.

5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Water Wheels — Continued			Generators						Total Installed Generating Capacity in Kilowatts (name units ratings) (q)	Line No.
Design Head (h)	R.P.M. (i)	Maximum hp. Capacity of Unit at Design Head (j)	Year Installed (k)	Voltage (l)	Phase (m)	Frequency or d.c. (n)	Name Plate Rating of Unit in Kilowatts (o)	Number of Units in Station (p)		
										1
										2
										3
										4
										5
										6
										7
										8
										9
										10
										11
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										37
										38
TOTALS										39

N O T A P P L I C A B L E

4

COMBUSTION ENGINE AND OTHER GENERATING STATIONS  
(except nuclear stations)

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such

property is leased from another company, give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent owner-

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers				
			Diesel or Other type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
1	Cherry St.	Cherry St. Hudson	Diesel	Nordberg-Mfg Co	1951	2	Direct
2	Cherry St.	Cherry St. Hudson	Diesel	Nordberg-Mfg Co	1955	2	Direct
3	Cherry St.	Cherry St. Hudson	Diesel	Nordberg-Mfg Co	1960	2	Direct
4	Cherry St.	Cherry St. Hudson	Diesel	Cooper-Bessener	1972	4	Direct
5							
6							
7							
8							
9							
10	Hudson Light	Cherry St. Hudson	Diesel	Fairbanks-Morse	1962	2	Direct
11	Peaking Plt.						
12	Hudson Light	Cherry St. Hudson	Diesel	Fairbanks-Morse	1962	2	Direct
13	Peaking Plt.						
14							
15							
16							
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37							
38							
39							

**COMBUSTION ENGINE AND OTHER GENERATING STATIONS — Continued**  
(except nuclear stations)

ship by respondent, name of co-owner, basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessee, co-owner, or other party is an associated company.  
4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined.

Specify whether lessee is an associated company.  
5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year, explain whether it has been retired in the books or account or what disposition of the plant or equipment and its book cost are contemplated.

Prime Movers — Continued		Generators						Total installed Generating Capacity in Kilowatts (name plate ratings) (p)	Line No.	
Rated hp. of Unit (h)	Total Rated hp. of Station Prime Movers (i)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or d.c. (m)	Name Plate Rating of Unit in Kilowatts (n)	Number of Units in Station (o)			
4250	4250	1951	4160	3Ø	60 cyl.	3300	1	3000	1	
5100	9350	1955	4160	3Ø	60 cyl.	4000	1	3600	2	
4250	13600	1943	4160	3Ø	60 cyl.	3250	1	3000	3	
7760	21360	1972	4160	3Ø	60 cyl.	5600	1	5600	4	
									5	
									6	
									7	
									8	
									9	
3168	3168	1962	4160	3Ø	60 cyl.	2200	1	2200	10	
									11	
3168	6336	1962	4160	3Ø	60 cyl.	2200	1	2200	12	
									13	
									14	
									15	
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<b>TOTALS</b>							20,550	6	19,600	39





TOWN OF HUDSON LIGHT AND POWER DEPARTMENT

Annual report of..... Year ended December 31, 19...

TRANSMISSION LINE STATISTICS

Report information concerning transmission lines as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductor and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	Marl-Hudson	Forest Ave.	115KV	Steel Poles	3.2		2	336.7 MCM ACSR "Linn :"
2	Town Line	Substation						
3	at River St.	Hudson						
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
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46								
47	TOTALS				3.2	None	2	

\*Where other than 60 cycle, 3 phase, so indicate.

**SUBSTATIONS**

1. Report below the information called for concerning substations of the respondent as of the end of the year.  
 2. Substations which serve but one industrial or street railway customer should not be listed hereunder.  
 3. Substations with capacities of less than 5000 kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.  
 5. Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.  
 6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by

reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other arrangements between the parties, and state accounts and amounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Line No.	Name and Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation in kva (in Service) (f)	Num. of Transformers in Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number of Units (j)	Total Capacity (k)
1	Cherry St. Hudson, MA	Unattended Distribution	80001	24001	Not Brought Out	19,200	2	None	None	None	None
2			13800	4160							
3											
4											
5	Forest Ave. Hudson, MA	Unattended 13.8 Distribution & Diesel Tie Tie with NEPCO	115KV	80001	NA	80,000	2	None	None	None	None
6				13800							
7											
8											
9											
10											
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30											
31			<b>TOTALS</b>			99,200	4	None	None	None	None
32											

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles — Beginning of Year .....	181.1		181.1
2	Added During Year .....			
3	Retired During Year .....			
4	Miles — End of Year .....	181.1		181.1
5				
6				
7				
8	Distribution System Characteristics — A.C. or D.C., phase, cycles and operating voltages for Light and Power.			
9				
10	Primary distribution at 2400/4160Y, 4800/8300Y, 8000/13800Y volts, 60 cycle,			
11	3 phase secondary power at 600 volts, 60 cycle, 3 phase 3 wire; 480 volts 3			
12	phase, 3 wire; 277/480 volts, 3 phase 4 wire; 220 volts, 3 phase 3 or 4 wire;			
13	120/208 volts, 3 phase, 4 wire lighting, heating and air conditioning			
14	120/240 volts, 120/208 volts, 60 cycle single or three phase.			
15				

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (kva)
16	Number at beginning of year .....	7653	10,497	3174	89,790.0
17	Additions during year:				
18	Purchased .....	.....	100	27	1,100.0
19	Installed .....	84	.....	.....	.....
20	Associated with utility plant acquired .....	None	None	None	None
21	Total additions .....	84	100	27	1,100.0
22	Reductions during year:				
23	Retirements .....	55	159	None	None
24	Associated with utility plant sold .....	None	None	None	None
25	Total reductions .....	55	159	None	None
26	Number at End of Year .....	7682	10,438	3201	90,890.0
27	In stock .....		601	350	14,193.5
28	Locked meters on customers' premises .....		None	None	None
29	Inactive transformers on system .....		None	None	None
30	In customers' use .....		9,812	2843	76,562.5
31	In company's use .....		25	8	134.0
32	Number at End of Year .....		10,438	3201	90,890.0

**CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE — (Distribution System)**  
 Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.

Line No.	Designation of Underground Distribution System (a)	Miles of Conduit Bank (All Sizes and Types) (b)	Underground Cable		Submarine Cable	
			Miles* (c)	Operating Voltage (d)	Feet* (e)	Operating Voltage (f)
1	Route 495 Underpass	.1	.1	13,800		
2	Harvard Acres Estates, Stow	6.5	6.5	13,800		
3	Meadowbrook Mobile Home Park, Hudson	1.8	1.9	13,800		
4	Colburn & Margaret Circle, Hudson	.0	.2	4,800		
5	Main, Felton, Central St. Hudson	.7	.7	13,800		
6	Seven Star Lane, Stow, MA	.0	.09	4,800		
7	Forest Avenue, Hudson, MA	1.5	1.5	13,800		
8	Juniper Estates, Stow, MA	.5	.5	13,800		
9	Carriage Lane, Stow, MA	.0	.14	4,800		
10	Brigham Circle, Hudson, MA	.9	.9	13,800		
11	Rustic Lane, Hudson, MA	.0	.2	4,800		
12	Wildwood Subdivision, Stow, MA	.0	.6	13,800		
13	Birch Hill Estates, Stow, MA	3.3	3.3	13,800		
14	Appleton Drive, Hudson, MA	.1	.1	13,800		
15	Cedar Street, Hudson, MA	.03	.03	4,800		
16	Country Estates, Hudson, MA	.0	.34	4,800		
17	Deacon Benham Drive, Stow, MA	.0	.07	8,320		
18	Forest Road, Stow, MA	.0	.22	8,320		
19	Francis Circle, Stow, MA	.0	.1	4,800		
20	Karen Circle, Hudson, MA	.0	.07	8,320		
21	Main Street, Hudson, MA (Whispering Pines)	.11	.11	13,800		
22	Glen Road, Hudson, MA	.24	.24	13,800		
23	Brigham Street (Valley Park) Hudson, MA	.14	.14	13,800		
24	Brigham Street (Assabet Village) Hudson, MA	.19	.19	13,800		
25	Chapin Road, Hudson, MA	.07	.07	13,800		
26	Cahill Raylor Road, Stow, MA	.25	.25	13,800		
27	Great Road, Stow, MA	.07	.07	13,800		
28	Digital, Kane Industrial Drive, Hudson, MA	.05	.05	13,800		
29	Peter's Grove, Hudson, MA	.05	.05	13,800		
30	Johnston Way, Stow, MA	.20	.20	13,800		
31	Hudson Town Hall, Hudson, MA	.08	.08	13,800		
32	Sudbury Road, Stow, MA Off Pole 121	.23	.23	13,800		
33	Farmer Road, Hudson, MA Off Pole 16-1	.10	.10	13,800		
34		<b>TOTALS</b>	<b>17.21</b>	<b>19.34</b>	<b>None</b>	

\*Indicate number of conductors per cable.

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 Annual Report of  
 TOWN OF HUDSON LIGHT AND POWER DEPARTMENT  
 YEAR ENDING DECEMBER 31, 1980

**CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE -- (Distribution System)**  
Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.

Line No.	Designation of Underground Distribution System (a)	Miles of Conduit Bank (All Sizes and Types) (b)	Underground Cable		Submarine Cable	
			Miles* (c)	Operating Voltage (d)	Feet* (e)	Operating Voltage (f)
1	Technology Drive Hudson	.28	.28	13800		
2	Reed Road Hudson	.11	.11	13800		
3	Central St Hudson	.06	.06	13800		
4	Washington St Hudson	.10	.10	13800		
5	Barton Rd. Stow	.26	.26	13800		
6	Causeway St Hudson	.12	.12	13800		
7	Off Harvard Rd. Stow	.07	.07	13800		
8	Otsego Drive Hudson	.58	.58	13800		
9	Off River Rd Hudson	.05	.05	13800		
10	Seneca Drive Hudson	.06	.06	13800		
11	Hazelwood Drive Hudson	.24	.24	4160		
12	Maura Drive Stow	.19	.19	13800		
13	Oneida Drive Hudson	.29	.29	13800		
14	Chabot Rd. Hudson	.22	.22	13800		
15	Beechnut Rd. Hudson	.14	.14	13800		
16	Bonazzoli Ave. Hudson	.16	.16	13800		
17	Red Acre Rd. Estates Stow	1.08	1.08	13800		
18	Merritt Drive Hudson	.09	.09	13800		
19	Orchard Drive, Hudson	.50	.50	13800		
20	Ashford Meadows, Hudson	.69	.69	13800		
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34	TOTALS	7.97	7.97			

\*Indicate number of conductors per cable.

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (e)	Total (b)	Type H.P. Sodium							
			Incandescent		Mercury Vapor		Fluorescent		H.P. Sodium	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Hudson	1902	391	15	927	249			221	99
2	Stow	78	5	2	7	36			18	10
3	Berlin	1	1							
4	Marlboro	2				1				1
5	Bolton	1				1				
6										
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52	TOTALS	1984	397	17	934	287			239	110

RATE SCHEDULE INFORMATION

- 1. Attach copies of the filed rates for General Consumers.
- 2. Show below the changes in rates during year and the estimated increase or decrease in annual revenue predicated on the proposed rate operations.

Rate Schedule	Rate	Estimated Effect on Annual Revenues	
		Increases	Decreases
Power Adjustment Charge	136	None	

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Mayor

*Art Ruchman*

Manager of Electric Light

*Roland L. Plante*

*Hyman Y. Paris Jr*

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

SIGNATURES OF ABOVE PARTIES AFFIXED OUTSIDE THE COMMONWEALTH OF MASSACHUSETTS MUST BE PROPERLY SWORN TO

ss.

19

Then personally appeared.....

and severally made oath to the truth of the foregoing statement by them subscribed according to their best knowledge and belief.

Notary Public or  
Justice of the Peace