

PUBLIC SERVICES

Public Works Department

Light and Power Department

Park Commission, Division of Recreation

**ANNUAL REPORT
DEPARTMENT OF PUBLIC WORKS**

**FISCAL YEAR 2021
JULY 1, 2020 – JUNE 30, 2021**

To the Honorable Board of Selectmen, the Executive Assistant, and the Citizens of the Town of Hudson, I hereby submit the annual report of the Department of Public Works for the fiscal year ending June 30, 2021.

STREETS

The street sweeping program was again posted on the Town's web page. This provided the citizens an opportunity to review the approximate time frame when their section of town was going to be cleaned.

Roadways planned for FY21 milling and overlay were completed in the summer of 2021. These streets included High Street, Hosmer Road, a portion of Laurel Drive (From Central Street to Hillside Road), Glen Road, Lower Road, a portion of Marlboro Street (from Reed Road to Town line), and Old Stow Road.

CHAPTER 90

The following roadways were milled and overlaid by Mass Broken Stone Corporation as part of the Road Paving Project list, River Road, Bigelow Road, Park Street, a portion of Brigham Street (From Park Street to Chapin Road), Vinal Street, and Carlton Street. The cost of this project was reimbursed by the Commonwealth of Massachusetts under the Chapter 90 program.

SIDEWALKS

Town DPW reconstructed portion of sidewalk on Cox Street (from the Rail Trail to Main Street).

The Complete Streets Sidewalks and Pedestrian Crossing Improvement Project was completed in summer of 2021. The project includes the construction of new sidewalks on Cox Street and the reconstruction of sidewalk portions on Lincoln and Giasson Streets. New pedestrian safety crossing warning lights powered by solar power were installed on Cox Street, Broad Street. The cost of this project was reimbursed by the Commonwealth of Massachusetts under the Complete Street funding program.

All sidewalks were swept during our annual roadway sweeping program. Public Works employees continue to repair concrete and bituminous sidewalks in various areas as necessary. A new, ADA compliant handicap ramp was installed on Technology Drive at West Ridge Road by Public Works employees.

DRAINAGE

Catch basins are scheduled to be cleaned once every other year due to the elimination of the use of sand for snow clearing process as recommended by Federal and State' Environmental agencies. That process resulted in a huge reduction of sedimentation in the Town's Storm Drain System.

Our employees regularly cleaned catch basins as required. Drainage ditches were again widened and/or cleaned as needed by the Central Mass. Mosquito Control at various locations throughout the town.

A total of 27 catch basins and/or drain manholes and drain pipe and perimeter drains were installed and/or repaired.

SEWER

The Sewer Division, under the supervision of the Chief Operator, treated and discharged 517.75 million gallons of sewage.

MAIN STOPPAGES			
2020		2021	
JULY	5	JANUARY	2
AUGUST	2	FEBRUARY	0
SEPTEMBER	1	MARCH	4
OCTOBER	0	APRIL	3
NOVEMBER	5	MAY	5
DECEMBER	0	JUNE	5
TOTAL STOPPAGES			32

MILLION GALLONS OF RAW SEWAGE TREATED			
2020		2021	
JULY	33.07	JANUARY	51.46
AUGUST	31.71	FEBRUARY	37.12
SEPTEMBER	30.76	MARCH	46.34
OCTOBER	33.87	APRIL	48.33
NOVEMBER	37.85	MAY	56.51
DECEMBER	64.67	JUNE	46.06
TOTAL			517.75

WATER

WATER

The Water Division supplied the town with over 573,993,000 gallons of water, an 5.14% increase from 545,985,360 million gallons in FY'21. Monthly tests were performed for coliform, quarterly and monthly tests for PFC's, as well as testing for pesticides, nitrates, synthetic organic and inorganic elements. Copies of all test results are available for inspection in the Public Works Office. The 2020 Annual Drinking Water Quality Report was mailed to all residences in June of 2021 as required by DEP. This report, as well as water drought conditions, can be found on the Town's website. Beginning in March, DPW personnel installed one new gate valve on Laurel Dr., replaced 3 hydrants, and also added an additional 3 new hydrants in the area of Park St. and Brigham St., in preparation for paving. The DPW repaired 15 water main leaks and 5 water services over the course of the fiscal year. Town-wide hydrant flushing was performed in the months of May and June. In FY'21 both Chestnut Well 3 and Cranberry Well were cleaned and redeveloped by F.G. Sullivan Well Drilling, at a total cost of \$30,076.

FY '21 TOTAL SOURCE WATER TREATED (GALLONS)	
Sources	2020-2021
Cranberry Well	208,935,000
Kane Well	84,106,000
Chestnut Well #1A	88,723,000
Chestnut Well #2	168,914,000
Chestnut Well #3	38,630,000
Gates Pond	66,217,000
Total:	655,525,000

PIPE WIDTH	IN FEET	PIPE WIDTH	IN FEET
20"	24	12"	99,050
18"	15,707	10"	73,095
16"	18,498	8"	212,011
14"	6,185	6"	144,230

WATER DISTRIBUTION SYSTEM			
NUMBER OF GATES	2,648	NEW SERVICES	20
TOTAL NUMBER HYDRANTS	1,000	SERVICES REPAIRED	5
HYDRANTS REPAIRED	20	WATER MAIN BREAKS REPAIRED	15
HYDRANTS REPLACED	6	METERS REPLACED	89
WATER SERVICE STUBS	2		

FY' 21 TOTAL FINISH WATER CONSUMED (GALLONS)			
MONTH	CHESTNUT WFP	GATES POND WTF	TOTAL
JUL	51,559,000	5,030,000	56,589,000
AUG	50,173,000	3,912,000	54,085,000
SEP	47,051,000	2,994,000	50,045,000
OCT	44,061,000	3,026,000	47,087,000
NOV	38,091,000	1,966,000	40,057,000
DEC	38,970,000	3,210,000	42,180,000
JAN	37,112,000	4,080,000	41,192,000
FEB	34,489,000	3,355,000	37,844,000
MAR	37,560,000	3,986,000	41,546,000
APR	41,714,000	4,202,000	45,916,000
MAY	52,578,000	4,575,000	57,153,000
JUN	56,894,000	3,405,000	60,299,000
TOTAL	530,252,000	43,741,000	573,993,000

YEARLY RAINFALL SINCE 1928

YEAR	AMOUNT										
1928	48.39	1945	45.18	1962	47.48	1979	49.68	1995	42.88	2017	42.82
1929	38.92	1947	38.44	1965	34.30	1983	58.22	2000	47.93	2018	46.42
1930	30.36	1948	42.27	1966	34.30	1984	57.15	2001	33.06	2019	64.68
1931	42.36	1949	29.62	1967	46.90	1985	34.55	2002	47.47	2020	47.39
1932	42.36	1950	37.91	1968	44.42	1986	35.33	2003	48.52		
1933	46.88	1951	51.26	1969	47.48	1987	37.79	2004	80.04		
1934	45.45	1952	41.79	1970	38.87	1988	41.29	2005	47.42		
1935	39.63	1953	50.24	1971	40.34	1989	39.45	2006	58.83		
1936	51.09	1954	58.93	1972	61.83	1990	40.38	2007	53.29		
1937	46.20	1955	56.33	1973	49.10	1991	45.20	2008	45.26		
1938	55.42	1956	40.70	1974	45.59	1991	45.20	2009	54.59		
1939	35.78	1957	32.49	1975	47.48	1992	48.02	2010	53.77		
1940	40.73	1958	49.47	1976	35.08	1993	42.81	2011	49.79		
1941	25.81	1959	48.53	1977	48.61	1994	50.04	2012	55.73		
1942	36.08	1960	45.25	1978	41.25	1996	64.61	2013	45.51		
1943	37.43	1961	45.40	1980	33.02	1997	40.78	2014	48.70		
1944	42.71	1963	37.22	1981	40.18	1998	58.54	2015	39.19		
1946	42.94	1964	34.36	1982	54.29	1999	39.53	2016	41.81		

PARKS

The Parks Department prepared all Town fields for use prior to the fall and spring seasons. All fields were fertilized four (4) times per year. Markings were performed weekly for all High School sporting events. Initial marking for youth sports was done prior to the start of each season. Mowing of grass and general cleanup was undertaken at the various smaller Town Parks, traffic islands and the Rail Trail.

CEMETERY

The Cemetery Division is responsible for the maintenance of the two Town cemeteries: Forestvale and Main Street. Rules and Regulations for these cemeteries are under the jurisdiction of the Cemetery Commission. There were 77 interments during FY'21.

	JUL-SEP	OCT-DEC	JAN-MAR	APR-JUN	TOTAL
# OF BURIALS	18	13	16	30	77
TOTAL PLOTS SOLD	18	5	12	13	48
BURIAL REVENUE	\$ 4,750	\$ 5,850	\$ 7,850	\$ 10,700	\$ 29,150
LOT REVENUE	\$ 6,800	\$ 1,900	\$ 5,400	\$ 5,900	\$ 20,000
PERPETUAL CARE	\$ 4,800	\$ 1,500	\$ 3,600	\$ 3,900	\$ 13,800
DEED REVENUE	\$ 450	\$ 200	\$ 350	\$ 400	\$ 1,400
					\$ 64,350

FORESTRY

In the past year, 71 trees were removed from public property. Additional trees and brush were trimmed from the public way for greater visibility and sight distance.

SNOW

The 2020-2021 snow season started in October 2020 and continued until February 2021. The Department applied approximately 3,666 tons of salt and 9,058 gallons of Liquid Inhibitor for treating roadway. The total accumulation of snowfall from measurements taken by the Public Works employees at the Wastewater Treatment Facility was approximately 51.30". This was 20.05" more than the previous year.

SNOW ACCUMULATION	
MONTH	SNOWFALL
OCTOBER	4
NOVEMBER	0
DECEMBER	12.8
JANUARY	6
FEBRUARY	28.5
MARCH	0
TOTAL	51.30 in.

OTHER DEPARTMENTAL WORK

On behalf of myself and the other members of the Department, we extend our thanks to all the various Town Departments for their cooperation during the past year. I also take this opportunity to thank the members of the Public Works Department for their continued dedication to the Town and the office of the Executive Assistant, Board of Selectmen, Finance Committee, members of the ITC and other department heads for their assistance.



Director of Public Works

III MITIGATION ASSESSMENT ACCOUNT #4400-1229

The monies received and expended in this account and reported by the Director of Public Works are as follows:

BALANCE AS OF JULY 1, 2020	\$ 233,068.51
TOTAL RECEIPTS (JULY 1, 2020 – JUNE 30, 2021)	\$ 20,460.00
TOTAL EXPENDITURES (FY'21)	\$ 0
BALANCE AS OF JUNE 30, 2021	\$ 215,893.51

HUDSON LIGHT AND POWER DEPARTMENT

2021 ANNUAL REPORT

MESSAGE FROM THE BOARD

In 2021, the COVID-19 pandemic continued to affect our society, including our Light and Power Department. We implemented a moratorium on terminating accounts for non-payment through June as our community struggled with business closures and loss of income. This resulted in our 90+ day arrears peaking at about \$140,000 which was about \$100,000 more than usual. We reinstated the termination process in June but offered generous payment plans to those who were struggling. By providing these extended payment plans, we were able to reduce the arrears to about \$50,000 or about \$30,000 more than usual by the end of the year. In accordance with the Board of Health, we closed our office to the public for the first half the year and worked remotely when possible. We continued to provide excellent customer service as our processes were streamlined and converted to digital using online portals and email. These new processes increased our productivity and created efficiencies that will continue well into the post-pandemic era.

We successfully negotiated a 3-year contract with the union and adjusted to a four-day work week. The digital efficiencies we realized during the pandemic gave us confidence that switching to a more modern work week (Monday through Thursday) would be well accepted. We offered extended office hours on Wednesday evening to accommodate those who are unable to visit during regular office hours.

Our advanced metering infrastructure (AMI) project was completed and was fully integrated into our suite of new state-of-the-art software capabilities. The Department has now completed the full integration of its geographic information system (GIS) with its capital asset management system, outage management system, work order system, billing system, and engineering analysis system using open database software configurations. Having the ability to gather information from each of the ~13,400 meters in the system in real time provides excellent situational awareness, quicker response times to emergencies, assists in prioritizing capital expenditures, and results in better overall customer service. We believe this AMI system has thrust the Department to the forefront of electric utility technology and are certain that it will pay dividends for years to come.

Justin Provencher

John Monteiro

Jeffrey Supernor

Chairman

Clerk

Member

General Manager's Report

In 2020, the Department's auditors, in accordance with General Accounting Standards Board (GASB) regulations, required that the Rate Stabilization Trust, Employee Retirement Trust and Other Post-Employment Benefits Trust be shown on the Department's financial statements (in prior years, these were provided as separate financial statements) along with the Depreciation Fund. The Department's balance sheet has been updated to include these funds. The challenge with bringing these funds onto the balance sheet is that changes in the fund balances must flow through the Revenue & Expense report, commonly known as the Profit & Loss statement (P&L). Since the Trusts are composed of investments, realized or unrealized gains or losses in the market must be reflected in the P&L. The Department has approximately \$52 million (of market value) in investments earmarked for future liabilities and capital expenditures. An investment gain (or loss) of only 5% could result in the Department reporting a \$2.6 million profit (or loss) based solely on market fluctuations. These market fluctuations could mask the actual financial operations of the Department. The Department's typical annual budget plans for a 1% to 2% operating profit margin which is about \$250,000 to \$500,000. One must be careful when analyzing the financial health of the Department by looking at profits; net profits (or losses) will be affected by all market investment returns. In 2021, the total net profit was about \$6.75 million where about \$6.2 million was attributable to investment returns in the market.

The Department transferred ~\$2.1 million to the Town of Hudson for the payment in lieu of tax, reimbursement for health care costs, reimbursement for pension costs, insurance, and police traffic details. This represents 7.91% of the Department's total operating revenue collected in 2021:

Payment in lieu of tax:	\$225,000
Reimbursement for employee health care costs:	\$322,990
Reimbursement for employee pension costs:	\$1,477,530
Reimbursement for Workman's Compensation Insurance:	\$26,348
Police traffic details:	<u>\$54,641</u>
Total transferred to Town of Hudson:	\$2,106,509

In March 2021, the Department was honored to receive the American Public Power Association's Safety Award for having the lowest safety incidence rate among its peers. In June, the Department received a plaque from the Navajo Nation in appreciation of the Department's support for the Light Up Navajo II Project which seeks to provide hundreds of Navajo Nation families with electricity for the first time. In July, the State of Massachusetts, through Representative Kate Hogan, recognized the Department for Safe and Sustainable Education for its education programs provided to Hudson and Stow schools. The Department also provided about \$177,000 in rebates to its customers through the Residential Conservation Program and its Renewable Energy and Energy Conservation Incentive Program.

Throughout 2021, the Department made improvements to its system. These improvements included the completion of the installation of the Advanced Meter Infrastructure project, the implementation of an automated outage hotline, the demolition of an old single-walled 800,000 gallon fuel tank, the conversion of Alan and Ruthellen Roads from an old 8,320-volt circuit to a new 13,800-volt circuit, the replacement of the last two underground substation getaways, and upgrades to the Forest Ave facility which included front steps repair, automated parking lot lights, and repairs to the flagpole foundation.

New business included progress in support of Eversource's new Sudbury-Hudson transmission line project as legal hurdles and appeals were overcome, and the Department continued with its detail design and relay protection schemes and began the preparation of procurement documents for the Forest Ave Substation Upgrade Project. The Department also successfully negotiated and executed a new Hydro-Quebec Transmission Line Agreement in coordination with the Massachusetts Municipal Wholesale Electric Company, supported and hedged the Seabrook Nuclear Refueling Outage, successfully negotiated a three-year contract with the union, and completed the transfer of the Boxborough customers to Littleton Electric for an agreed upon price of \$140,000.

Significant changes occurred to the Cherry Street Power Station in 2021. The Department downsized personnel about 20% by way of attrition and interdepartmental transfers, installed a supervisory control and data acquisition system, and partnered with MMWEC for ISO-NE dispatch. These changes will result in annual cost savings of about \$300,000 per year. The Environmental Protection Agency required stack testing in 2021 and all engines passed with excellent margins. Two of the engines (Fairbanks Morse units) were removed from the ISO-NE market and repurposed for distributed generation peak shaving which has the potential to save another \$300,000 per year.

Helena Marshall retired from the Department in 2021 after a long career of 30+ years. Her ability to speak Portuguese was so appreciated by our community and her absence will be missed. We wish her the best of health and happiness in her retirement.

In accordance with Chapter 164, Section 57 of the Massachusetts General Laws, attached are the estimated income and estimated receipts and expenditures from the sales of electricity:

Estimated Income from Sales of Electricity - 2022

From Sales to Municipal Customers	\$ 1,304,172
From Sales to Domestic Customers	12,456,728
From Sales to Commercial Customers	3,624,825
From Sales to Power Customers	6,485,258
From Street Lights: Stow and Other Communities	2,691
Hudson	55,438
Total Income	\$ 23,929,112

Estimated Expenditures - 2022

Production, Generation, Purchased Power*	\$ 16,983,770
Distribution and Transmission	2,771,032
General	2,879,551
Depreciation	1,015,860
Total Expenditures	\$ 23,650,213

The estimated cost of electricity to be used by the Town of Hudson for all purposes for the year ending June 30, 2022 is: \$1,040,000

**In addition to Production, Generation and Purchased Power Costs, are MMWEC's accelerated debt service recovery and transfers from the Rate Stabilization Fund.*

The Financial Statistics of the Hudson Light and Power Department are shown in the following pages.

Brian R. Choquette, General Manager

DEFINITIONS

Accrual Basis of Accounting: revenue is recognized when it is realized and expenses are recognized when incurred, without regard to the time of receipt of payment. The focus of accrual accounting is on the realization of revenue, the incurrence of costs, and the matching of revenue with costs incurred. This "matching" concept requires that the cost incurred to create revenues be accounted for at the same time. Consequently, if revenue is accounted for during a period, the "matching" costs must be accounted for even if it requires an estimation of these costs. Hudson Light and Power Department utilizes Accrual Basis of Accounting.

Audited Financial Statements: The current year financial statements shown in this report are unaudited. Prior year financial statements have been updated using the most recent audit findings.

Balance Sheet: A Balance Sheet is a concise statement of the assets, liabilities and equity of a business as of a given date.

Assets: Anything owned that has monetary or utility value is an Asset. Assets are divided into Plant or Property Assets, Current Assets, Deferred Assets or Other Assets. Property Assets are buildings, generation equipment, transmission equipment, distribution equipment, etc. in use. Construction Work In Progress is Plant under Construction which has not been completed as of the date of the statement. Current Assets are cash, receivables, inventories of generation fuel, gasoline, lube oil, poles, etc., prepayments, unbilled utility revenues and other miscellaneous assets. Deferred Assets represent expenditures for preliminary surveys, plans, and investigations made for the purpose of determining the feasibility of utility projects under consideration. **Liabilities:** Liabilities consist of debts outstanding (unpaid bills) and in the process of accruing. They are usually classified as to Current Liabilities, Deferred Liabilities, or Long-Term Debt.

Current Liabilities are Short-Term Liabilities. They generally consist of obligations which are to be liquidated within a year from the balance sheet date and include amounts accrued to date or those liabilities which accumulate from day to day. The most common Current Liabilities are accounts payable (bills owed as of a specific date), accrued salaries and wages, accrued interest, etc.

Deferred Liabilities: Advance billings for services rendered, etc.

Long-Term Debt: Debts incurred through borrowing such as bonds and notes or other financial obligations which are payable over a long period of time.

Equity: The amounts paid on loans over the Department's existence, moneys invested by the Town in the Department, and the earnings retained in the Department as represented by property.

Income Statement: An Income Statement is a report in summary form of the revenue earned by a particular business during a specified period, together with the related costs and expenses and the losses for that same period and the resulting net income (or net loss).

COMPARATIVE BALANCE SHEET
ASSETS

	2021	2020	Increase (Decrease)
Electric Utility Plant (Net)...			
Intangible Plant	\$ 4,382.39	\$ 4,382.39	\$ -
Production Plant in Service	1,392,639.54	1,357,654.70	34,984.84
Nuclear Fuel	10,433.92	17,555.37	(7,121.45)
Transmission Plant in Service	779,035.28	838,096.88	(59,061.60)
Distribution Plant in Service	13,342,138.60	12,518,231.28	823,907.32
General Plant in Service	1,590,015.17	1,569,917.16	20,098.01
Construction Work In Progress	961,867.64	848,806.27	113,061.37
Total Utility Plant In Service	\$ 18,080,512.54	\$ 17,154,644.05	\$ 925,868.49
Other Property & Investments...			
Investments in Assoc. Companies	\$ 53,580.92	\$ 53,580.92	\$ -
Other Investments	-	-	-
Total Other Property & Investments...	\$ 53,580.92	\$ 53,580.92	\$ -
Cash Assets...			
Operation Cash	\$ 1,851,542.50	\$ 3,052,846.21	\$ (1,201,303.71)
Depreciation Fund Investment	8,173,451.50	7,111,441.55	1,062,009.95
Insurance Escrow Reserve	76,331.71	75,304.69	1,027.02
Rate Stabilization Trust Fund	7,495,964.13	6,889,430.37	606,533.76
Petty Cash	500.00	500.00	-
Deposit Interest Account	-	-	-
Customer Deposits Account	1,606,067.64	1,600,955.12	5,112.52
Total Cash Balances	\$ 19,203,857.48	\$ 18,730,477.94	\$ 473,379.54
Other Current and Accrued Assets...			
Customer Account Receivables	\$ 2,212,798.42	\$ 2,422,734.59	\$ (209,936.17)
Other Accounts Receivables	78,082.66	94,159.82	(16,077.16)
Material and Supplies	1,002,421.21	984,223.05	18,198.16
Prepayments	1,235,852.18	1,184,396.34	51,455.84
Prepaid Pension	-	-	-
Retirement Trust Fund	33,715,789.12	27,723,336.08	5,992,453.04
Int & Div Receivable - Depreciation	28,516.64	23,196.94	5,319.70
Int & Div Receivable - Retirement	77,115.51	76,878.83	236.68
Misc. Current & Accrued Assets	-	-	-
Total Other Current & Accrued Assets	\$ 38,350,575.74	\$ 32,508,925.65	\$ 5,841,650.09
Deferred Assets...			
Preliminary Survey Charges	\$ -	\$ -	\$ -
Deferred Outflow Pension	1,080,985.92	2,104,321.52	(1,023,335.60)
Deferred Outflow OPEB	347,569.00	333,139.00	14,430.00
Total Deferred Assets	\$ 1,428,554.92	\$ 2,437,460.52	\$ (1,008,905.60)
Total Assets	\$ 77,117,081.60	\$ 70,885,089.08	\$ 6,231,992.52

EQUITY AND LIABILITIES

	2021	2020	Increase (Decrease)
Equity...			
Loans Repayment	\$ 1,925,000.00	\$ 1,925,000.00	\$ -
Invested by Town	20,093.39	20,093.39	- -
Retained Earnings	42,172,103.09	35,419,455.17	6,752,647.92
Total	\$ 44,117,196.48	\$ 37,364,548.56	\$ 6,752,647.92
Current & Accrued Liabilities...			
Accounts Payable	\$ 1,346,994.29	\$ 1,280,204.82	\$ 66,789.47
Customer Deposits	1,381,144.45	1,362,405.35	18,739.10
Customer Deposits-Interest	76,386.50	81,460.29	(5,073.79)
Tax Collections Payable	-	-	-
Old Stow Rd Solar Collateral	250,000.00	250,000.00	- -
Accrued OPEB Liability	267,182.00	663,863.00	(396,681.00)
Accrued REECIP Liability	156,586.66	197,674.06	(41,087.40)
Accrued RCS Liability	12,607.12	(3,031.27)	15,638.39
Misc. Current & Accrued Liabilities	511,793.68	470,395.47	41,398.21
Rate Stabilization Reserve	7,495,964.13	6,889,430.37	606,533.76
Net Pension Liability	15,744,152.00	17,368,326.00	(1,624,174.00)
Deferred Pension Inflow	1,973,461.00	1,118,131.00	855,330.00
Deferred OPEB Inflow	787,549.00	674,503.00	113,046.00
Customer Advances for Construction	379,399.83	100,205.00	279,194.83
Total Current & Accrued Liabilities	\$ 30,383,220.66	\$ 30,453,567.09	\$ (70,346.43)
Deferred Credits...			
Misc. Deferred Credits	\$ -	\$ -	\$ -
Deferred Credit-Power Adj Charge	300,311.49	711,051.03	(410,739.54)
Total Deferred Credits	\$ 300,311.49	\$ 711,051.03	\$ (410,739.54)
Contributions in aid of Construction...			
Total Contributions in aid of Construction...	\$ 2,316,352.97	\$ 2,355,922.40	\$ (39,569.43)
Total Equity & Liabilities	\$ 77,117,081.60	\$ 70,885,089.08	\$ 6,231,992.52

STATEMENT OF EQUITY

Retained Earnings on January 1, 2021	\$ 35,419,455.17
Net Income or (Loss)	7,044,061.44
Miscellaneous Credits to Retained Earnings	
Total	\$ 42,463,516.61
 Appropriation of Retained Earnings Returned to Towns	 \$ 291,413.52
Miscellaneous Debits to Retained Earnings	
Total	\$ 291,413.52
 Total Retained Earnings on December 31, 2021	 \$ 42,172,103.09

Comparative Income Statement

Operating Statement

	2021	2020	Increase (Decrease)
Operating Revenue	\$ 26,633,452.32	\$ 25,395,509.71	\$ 1,237,942.61
Operating Expense...			
Production	\$ 925,194.06	\$ 1,044,773.30	\$ (119,579.24)
Purchased Power Expense	11,260,734.65	10,170,723.72	1,090,010.93
Transmission Expenses	6,015,608.00	5,465,160.04	550,447.96
Distribution Expenses	1,505,830.03	1,443,346.66	62,483.37
General Expenses	3,972,044.62	5,127,241.64	(1,155,197.02)
Depreciation	1,061,622.09	947,242.29	114,379.80
Taxes	<u>16,354.28</u>	<u>16,313.37</u>	<u>40.91</u>
Total Operating Expenses	<u>\$ 24,757,387.73</u>	<u>\$ 24,214,801.02</u>	<u>\$ 542,586.71</u>
Net Operating Revenues	<u>\$ 1,876,064.59</u>	<u>\$ 1,180,708.69</u>	<u>\$ 695,355.90</u>
Other Income...			
Income From Contract Work	\$ -	\$ -	\$ -
Interest & Dividend Income	167,410.38	219,678.35	(52,267.97)
Misc. Nonoperating Income	<u>5,010,884.69</u>	<u>1,843,524.37</u>	<u>3,167,360.32</u>
Total Other Income	<u>\$ 5,178,295.07</u>	<u>\$ 2,063,202.72</u>	<u>\$ 3,115,092.35</u>
Miscellaneous Income Deductions...			
Other Income Deductions	\$ 35.01	\$ 35.01	\$ -
Total Income Deductions	<u>\$ 35.01</u>	<u>\$ 35.01</u>	<u>\$ -</u>
Inc. Before Interest Charges	<u>\$ 7,054,324.65</u>	<u>\$ 3,243,876.40</u>	<u>\$ 3,810,448.25</u>
Interest Charges...			
Other Interest Expense	\$ 10,263.21	\$ 32,441.38	\$ (22,178.17)
Total Interest Charges	<u>\$ 10,263.21</u>	<u>\$ 32,441.38</u>	<u>\$ (22,178.17)</u>
Net Income Before			
Return to Towns	\$ 7,044,061.44	\$ 3,159,930.51	\$ 3,884,130.93
Less Return to Towns	<u>291,413.52</u>	<u>291,879.56</u>	<u>(466.04)</u>
Net Income (Loss)	<u>\$ 6,752,647.92</u>	<u>\$ 2,868,050.95</u>	<u>\$ 3,884,596.97</u>

INCOME STATEMENT DETAIL

Operating Revenue

January 1, 2021 to December 31, 2021

Sales to Residential Consumers	\$ 6,810,033.79
Sales to Commercial Consumers	2,041,472.38
Sales to Power Consumers	4,218,940.42
Private Property Lighting Sales	69,861.21
Municipal Sales...	
Hudson Street Lights	55,230.18
Hudson Municipal Buildings	113,014.09
Hudson Municipal Power	414,212.26
Stow & Berlin Street Lights	2,680.00
Stow, Maynard & Other Municipal Service	317,106.95
 Total Revenue from Sales of Electricity	 \$ 14,042,551.28
 Power Adjustment Charges...	
Residential Sales	\$ 5,631,640.13
Commercial Sales	1,485,993.35
Power Sales	4,003,659.57
Private Property Lighting	19,560.20
Municipal Power Adjustment Charges...	
Municipal Power Hudson	375,692.10
Municipal Commercial Hudson	84,971.71
Municipal Power Stow et al	266,143.02
Municipal Commercial Stow et al	17,674.06
Miscellaneous Electric Sales	410,739.54
 Total Power Adjustment Charges	 \$ 12,296,073.68
 Total Revenue From Sale of Electricity	 \$ 26,338,624.96
 Other Income...	
Other Electric Revenues (RCS, etc.)	\$ 294,827.36
 Total Income	 \$ 26,633,452.32

INCOME STATEMENT DETAIL
Expenses

January 1, 2021 to December 31, 2021

Production

Nuclear Power Generation

Operation Supervision	\$	23,840.79
Fuel		42,602.92
Coolants and Water		3,592.37
Steam Expenses		4,055.85
Electric Expenses		-
Miscellaneous Nuclear Power Expenses		42,584.36
Maintenance Supervision		4,886.03
Maintenance of Structures		7,023.72
Maintenance of Reactor Plant Equipment		19,270.33
Maintenance of Electric Plant		5,016.87
Maintenance of Miscellaneous Nuclear Power		<u>14,767.41</u>
Total Nuclear Power Production Expenses	\$	167,640.65

Other Power Generation...

Operation Supervision	\$	60,137.74
Fuel Oil		22,678.44
Fuel Natural Gas		12,108.93
Generation Expense		179,051.85
Generation Expense-Lube		2,549.59
Miscellaneous Other Power Generation Expenses		114,314.79
Maintenance Supervision		21,286.18
Maintenance of Structures		137,251.69
Maintenance of Generation and Electric Plant		189,665.48
Maintenance of Miscellaneous Generation Plant		<u>18,508.72</u>
Total Other Production Expenses	\$	757,553.41

Purchased Power Expenses...

Purchased Power-Entitlement	\$	6,288,051.12
Purchased Power-ISO		4,348,950.05
Purchase Power - Rate Stabilization Fund		606,533.76
System Control and Load Dispersion		2,694.78
Other Expenses Purchase Power		<u>14,504.94</u>
Total Purchased Power	\$	11,260,734.65

Distribution Expenses...

Operation Supervision and Engineering	\$	145,474.22
Station Expenses		150,376.53
Overhead Line Expenses		11,643.62
Underground Line Expenses		3,930.46
Street Lighting & Signal Expenses		21,558.07
Meter Expenses		73,038.29

INCOME STATEMENT DETAIL

Expenses (continued)

Distribution Expenses (cont.) ...

Customer Installation Expense	\$ 88,230.46
Miscellaneous Distribution Expenses	74,495.34
Rents	-
Maintenance of Supervision and Engineering	180,034.15
Maintenance of Station Equipment	18,025.37
Maintenance of Overhead Lines	677,852.45
Maintenance of Underground Line	16,803.64
Maintenance of Line Transformer	3,222.30
Maintenance of Street Lighting	12,432.57
Maintenance of Meters	-
Maintenance of Miscellaneous Distribution Plant	<u>28,712.56</u>
Total Distribution Expenses	\$ 1,505,830.03

Transmission Expense	\$ 6,015,608.00
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General...

Supervision	\$ 18,566.80
Meter Reader Expenses	18,391.16
Customer Records and Collection Expenses	420,243.76
Advertising Expense	135.71
Miscellaneous Sales Expense (RCS)	-
Administrative and General Salaries	310,208.76
Office Supplies and Expenses	25,499.65
Administrative Expenses Transferred	-
Outside Services Employed	117,678.91
Property Insurance	122,716.50
Injuries and Damages	114,062.07
Employee Pension and Benefits	2,458,814.07
Regulatory Commission Expenses	-
General Advertising Expense	259.98
Miscellaneous General Expenses	50,917.53
Maintenance of General Plant	230,753.29
Transportation Expenses	83,796.43
Depreciation Expense	<u>1,061,622.09</u>
Total General and Depreciation Expenses	\$ 5,033,666.71

Real Estate and Other Taxes	\$ 16,354.28
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Total Operation Expenses	\$ 24,757,387.73
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Footnotes to Financial Statements

The Hudson Light and Power Department's accounting policies are in conformity with generally accepted accounting principles and conform to the uniform system of accounts prescribed for Public Utilities by the Federal Energy Regulatory Commission as modified by the Massachusetts Department of Public Utilities for municipal owned lighting plants.

Revenues are computed based on monthly billings to customers. Unbilled revenues from the sale of energy are not accrued as of the end of the calendar year. Miscellaneous electric sales adjustment is for over-billed or under-billed power adjustment charges.

Electric Utility Plant Assets are stated at net cost. The provision for depreciation is determined by the straight-line method based on a 3% annual depreciation rate. The cost of maintenance and repairs is expensed as incurred; renewals, replacements and betterments are capitalized.

Preliminary Survey Charges (Deferred Assets) incurred for proposed projects through MMWEC are deferred pending bonding of the proposed facility. Funds relating to MMWEC projects are refunded to the Department after bonding. Charges relating to projects, which are undertaken by the Department, are transferred to Construction Work in Progress and eventually to Utility Plant upon completion. Projects abandoned by MMWEC or the Department are charged to expense.

Projects started but not completed are charged to **Construction Work in Progress**. Any project abandoned is charged directly to retained earnings.

Investments of the Depreciation Fund are in Certificates of Deposit and U.S. Government and Agency Securities as prescribed by law. Further, interest earned on these funds can only be used in the same manner as depreciation funds as prescribed by the Massachusetts General Laws.

Inventories: Cost of materials, supplies and fuel are valued at average cost.

Segregated Funds: The Depreciation Fund is restricted to additions and replacements of plant, property and equipment under the General Laws of the Commonwealth of Massachusetts and regulations of State agencies.

Pensions: The Department's employees are members of the Middlesex County Retirement System. The Municipal Light Board has established the Hudson Municipal Light Department Employee's Retirement Trust Fund to reimburse the Town of Hudson for retirement costs of its employees. This fund is maintained by the transfer of funds from the Department to the Trust based on actuarial studies performed by a professional actuarial consultant. An amount equal to \$1,477,530.40 was transferred from the Trust Fund as payments to the Town.

Other Post-Employment Benefits Trust: The Municipal Light Board has established this Trust Fund to directly reimburse the Town of Hudson for retirement costs, other than pensions, attributable to Light Department retirees. On the basis of actuarial studies, sufficient funds will continue to be set aside to meet the future retirement obligations of the Town for persons currently employed by the Municipal Light Department.

Rate Stabilization Trust: The Municipal Light Board has established this Trust to fund municipal power supply costs, so as to stabilize power supply costs and other presently ascertainable obligations, in order to remain competitive within the electric industry and for other power-related issues which the Trustees designate by vote.

Commitments and Contingencies: The Hudson Light and Power Department has purchase contracts with the following sponsor companies and receives kilowatt-hour amounts from the entitlements listed:

	Yearly Cost \$	Energy kWh
PASNY- Niagara River	\$366,744.63	11,587,181
MMWEC - Nuclear Mix #1	39,517.46	6,154,402
MMWEC - Millstone #3	34,714.28	5,264,296
MMWEC - Seabrook #4	83,782.50	18,063,572
MMWEC - Seabrook #5	9,331.48	2,011,875
MMWEC - Seabrook #6	634,437.45	136,785,193
Taunton - Cleary #9	24,366.96	438,303
FPL / NEXTERA	104,496.00	3,360,000
Syncarpha Stow	199,535.42	2,770,951
Southern Sky Solar	282,210.20	5,664,204
Solar - Local Customers	36,814.33	669,351
	<hr/>	<hr/>
	\$1,816,950.71	192,769,328
ISO-NE	<hr/>	<hr/>
	\$4,348,950.05	28,486,941
Total	<hr/> <hr/>	<hr/> <hr/>
	\$6,165,900.76	221,256,269

Hudson obtains 962.7 kW of Seabrook Unit #1 on a direct ownership basis, for which the Department uses 100% equity financing. Hudson's ownership share of Seabrook Unit #1 is 0.07737%. On June 30, 1990, Seabrook was declared operational. Under the Joint Ownership Agreement, the joint owners are obligated to pay their pro rata share of Seabrook's operating cost. In addition, should any other joint owner fail to make any payment, the other owners may be required to increase their payments and correspondingly their equivalent percentage ownership of Seabrook capacity. Hudson is one of three, minority non-operating owners of Seabrook Station.

Town [City] of Hudson acting through its Light Department is a Participant in certain Projects of the Massachusetts Municipal Wholesale Electric Company (MMWEC).

MMWEC is a public corporation and a political subdivision of the Commonwealth of Massachusetts, created as a means to develop a bulk power supply for its Members and other utilities. MMWEC is authorized to construct, own or purchase ownership interests in, and to issue revenue bonds to finance, electric facilities (Projects). MMWEC has acquired ownership interests in electric facilities operated by other entities and also owns and operates its own electric facilities. MMWEC operates the Stony Brook Intermediate Project and the Stony Brook Peaking Project, both fossil-fueled power plants. MMWEC has the Nuclear Mix No 1 Project, Nuclear Project Three, Nuclear Project Four, Nuclear Project Five and Project Six, which comprise an 11.6% ownership interest in the Seabrook Station nuclear generating unit operated by NextEra Energy Seabrook, LLC and a 4.8% ownership interest in the Millstone Unit 3 nuclear unit, operated by Dominion Nuclear Connecticut, Inc. The operating license for Seabrook Station extends to March 15, 2050. The operating license for the Millstone Unit 3 nuclear unit extends to November 25, 2045.

MMWEC sells all of the capability (Project Capability) of each of its Projects to its Members and other utilities (Project Participants) under Power Sales Agreements (PSAs). The Light Department has entered into PSAs with MMWEC. Under the PSAs the Department is required to make certain payments to MMWEC payable solely from Municipal Light Department revenues. Among other things, the PSAs require each Project Participant to pay its pro rata share of MMWEC's costs related to the Project, which costs include debt service on the revenue bonds issued by MMWEC to finance the Project. In addition, should a Project Participant fail to make any payment when due, other Project Participants of that Project may be required to increase (step-up) their payments and correspondingly their Participant's share of that Project's Project Capability. Project Participants have covenanted to fix, revise and collect rates at least sufficient to meet their obligations under the PSAs. Each Participant is unconditionally obligated to make payments due to MMWEC whether or not the Project(s) is completed or operating and notwithstanding the suspension or interruption of the output of the Project(s).

Pursuant to the PSAs, the MMWEC Project Participants are liable for their proportionate share of the costs associated with decommissioning the plants, which are funded through monthly Project billings, as needed. Also, the Millstone and Seabrook Project Participants are liable for their proportionate share of the uninsured costs of a nuclear incident that might be imposed under the Price-Anderson Act (Act). Originally enacted in 1957, the Act has been renewed several times. In July 2005, as part of the Energy Policy Act of 2005, Congress extended the Act until the end of 2025.

MMWEC is involved in various legal actions. In the opinion of management, the outcome of such litigation or claims will not have a material adverse effect on the financial position of the company.

The total capital expenditures and annual capacity, fuel and transmission costs (which include debt service and decommissioning expenses as discussed above), and amount of required debt service payments (if applicable) under the PSAs associated with the Department's Project Capability of the Projects in which it participates for the years ended December 31, 2021 and 2020, respectively are listed in the table(s) below.

HUDSON LIGHT AND POWER DEPARTMENT
YEARS ENDED

PROJECTS	PERCENTAGE	SHARE	TOTAL	CAPACITY, FUEL &	CAPACITY, FUEL &
			CAPITAL	TRANSMISSION	TRANSMISSION
			EXPENDITURES	BILLED	BILLED
Stony Brook Peaking Project	0.0000%		-	-	-
Stony Brook Intermediate Project	0.0000%		-	-	-
Nuclear Mix No. 1-Seabrook	3.3984%		349,424	14,574	15,939
Nuclear Mix No. 1-Millstone	3.3984%		2,117,010	225,832	201,906
Nuclear Project No. 3-Millstone	1.5997%		2,424,104	211,799	190,492
Nuclear Project No. 4-Seabrook	4.2300%		12,858,852	484,627	529,774
Nuclear Project No. 5-Seabrook	1.8613%		1,531,231	54,869	59,832
Project No. 6-Seabrook	23.1278%		130,239,175	3,719,834	4,059,383
			<hr/>	<hr/>	<hr/>
			\$ 149,519,796	\$ 4,711,535	\$ 5,057,326

Statement of Changes in Financial Position

January 1, 2021 to December 31, 2021

Funds were provided from . . .

Operations . . .

Net Income	\$	7,054,324.65
Miscellaneous Credits to Surplus		-
Return of Investment		-
Total Funds Provided	\$	7,054,324.65

Funds were used for . . .

Increase (Decrease) to Utility Plant	\$	925,868.49
Miscellaneous Debits to Surplus		(1,008,905.60)
Return to Town of Hudson		225,000.00
Return to Town of Stow		66,413.52
Other Interest Expense		10,263.21
Total	\$	218,639.62

Increase (Decrease) in Working Capital	\$	6,835,685.03
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Increase (Decrease) in Working Capital Represented by . . .

Cash	\$	473,379.54
Receivables		(226,013.33)
Materials and Supplies		18,198.16
Pension Trust Fund		5,992,453.04
Prepayments		51,455.84
Interest Receivable		5,556.38
Accrued Utility Revenues		-
Miscellaneous Deferred Debits		171,114.14
Miscellaneous Accrued Liabilities		416,330.73
Accounts Payable		(66,789.47)
Injury Reserve		-
Taxes Payable		-
Total	\$	6,835,685.03

Revenue from Sale of Electricity

January 1, 2021 to December 31, 2021

	HUDSON	STOW	OTHER	TOTAL
Res. Service "A"	\$3,685,053.62	\$1,349,294.91	\$99,485.29	\$5,133,833.82
Res. Wtr. Heater "E"	427,170.47	472,631.99	28,144.84	927,947.30
All Elec. Service "F"	538,178.30	201,769.53	8,304.84	748,252.67
Com. Htg. & Air Cond.	-	-	-	-
Com. Service "C"	1,645,707.53	386,477.21	9,287.64	2,041,472.38
Large Power "D"	3,638,400.65	580,539.77	-	4,218,940.42
Municipal All Elec.	-	-	-	-
Municipal Service "C"	113,0104.09	23,421.91	824.98	137,260.98
Municipal Power "D"	414,212.26	292,860.06	-	707,072.32
Street Lighting	55,230.18	2,642.83	37.17	57,910.18
Yard Lighting	59,819.87	8,633.02	1,408.32	69,861.21
Pwr Adj Charges...				
Res. Service "A"	\$2,877,028.43	1,066,223.02	79,036.68	4,022,288.13
Res. Wtr. Heater "E"	402,317.06	457,794.70	27,401.66	887,513.42
All Elec. Service "F"	515,732.06	198,206.60	7,899.92	721,838.58
Com Htg. & Air Con	-	-	-	-
Com Service "C"	1,206,790.61	274,612.06	4,590.68	1,485,993.35
Large Power "D"	3,454,320.13	549,339.44	-	4,003,659.57
Municipal All Elec.	-	-	-	-
Municipal Service "C"	84,971.71	17,369.00	305.06	102,645.77
Municipal Power "D"	375,692.10	266,143.02	-	641,835.12
Street Lighting	-	-	-	-
Yard Lighting	16,738.70	2,451.05	370.45	19,560.20
Total Rev. Each Zone	\$19,510,377.77	\$6,150,410.12	\$267,097.53	\$25,927,885.42

Misc. Electric Sales \$410,739.54

		\$26,338,624.96
Total Revenue from Sale of Electricity		\$26,338,624.96
Res. Service "A"	\$9,156,121.95	
Res. Service "E" Wtr Htr	1,815,460.72	
All Elec. Service "F"	1,470,091.25	
Com. Htr. & Air. Cond	-	
Com. Service "C"	3,527,465.73	
Large Power "D"	8,222,599.99	
Municipal All Elec.	-	
Municipal Service "C"	239,906.75	
Municipal Power "D"	1,348,907.44	
Street Lighting	57,910.18	
Yard Lighting	89,421.41	
Total	\$25,927,885.42	

STATISTICS
KILOWATT-HOURS GENERATED, PURCHASED, SOLD and USED

January 1, 2021 to December 31, 2021

Kilowatt-hours Generated	7,848,901
Kilowatt-hours Purchased	221,256,269
Total Generated & Purchased	229,105,170

	HUDSON	STOW	OTHER AREAS
Kilowatt-hours Sold...			
Residence Service "A"	53,273,878	19,743,416	1,462,426
Service "E" (wtr htr)	7,450,002	8,477,038	507,420
All Electric Service "F"	9,550,290	3,669,996	146,293
Htg. and Air Cond. for Business			
Commercial Service "C"	21,941,106	4,992,786	83,451
Large Power "D"	62,805,711	9,987,988	0
Departmental Usage	128,996		0
Municipal All Electric		0	0
Municipal Service "C"	1,544,903	315,791	5,545
Municipal Power "D"	6,831,084	1,204,560	3,634,404
Street Lighting	477,969	24,844	350
Yard Lighting	304,285	44,552	6,734
Total Kilowatt-hours Each Zone	164,308,224	48,460,971	5,846,624
Total Kilowatt-hours distributed			218,615,819
Kilowatt-hours sold for resale			0
Kilowatt-hours used at Station and misc.			5,078,964
Kilowatt-hours lost in Distribution Lines			5,410,387
Total			229,105,170
Percent lost in station		2.2169%	
Percent lost in Distribution Lines		2.3615%	

Five-Year Comparative Electric Sales Data

	2021	2020	2019	2018	2017
Customer Count...					
Residential	11403	11411	11366	11278	11187
Commercial	1493	1486	1486	1467	1453
Industrial	132	137	137	138	137
Municipal	139	132	128	126	124
Others	165	166	166	167	167
Total*	13332	13332	13283	13176	13068
 Kilowatt-hour Sales...					
Residential	104,280,760	107,575,164	101,344,014	105,908,660	99,870,810
Commercial	27,017,343	25,616,544	26,754,573	27,409,520	27,247,276
Industrial	72,793,699	73,852,762	75,787,151	76,582,641	81,385,485
Municipal	14,039,450	12,872,562	13,593,528	13,746,490	13,804,538
Other	355,571	376,914	391,552	432,813	524,568
Total **	218,486,823	220,293,946	217,870,818	224,080,124	222,832,677
 Revenues Billed...					
Residential	\$ 12,441,673.92	\$ 12,418,042.11	\$ 11,164,585.29	\$ 11,206,486.89	\$ 10,161,560.19
Commercial	3,527,465.73	3,264,738.53	3,245,039.70	2,984,937.55	2,736,540.67
Industrial	8,222,599.99	8,111,973.17	7,886,330.31	7,033,304.54	6,879,892.73
Municipal	1,646,724.37	1,486,875.99	1,504,306.41	1,370,069.09	1,290,780.34
Other	89,421.41	93,285.34	94,814.04	100,799.42	112,373.84
Total ***	\$ 25,927,885.42	\$ 25,374,915.14	\$ 23,895,075.75	\$ 22,695,597.49	\$ 21,181,147.77

*Number of customers was based on annual average.

** Does not include Hudson Light & Power Department usage.

***Does not reflect accounting adjustments for power charges shown as misc electric sales.

Consumers Statistics

December 31, 2021

Hudson

Hudson Residential Consumers	8,382
Hudson Commercial Consumers	1,129
Hudson Power Consumers	122
Hudson Municipal Consumers	101
Total Hudson Consumers	9,734

Stow and Maynard

Stow Residential Consumers	2,824
Stow Commercial Consumers	335
Stow Power Consumers	17
Stow and Maynard Municipal Consumers	24
Total Stow and Maynard Consumers	3,200

Boxboro, Bolton, Berlin, Marlboro, etc.

Boxboro, Bolton, Berlin, Marlboro, Etc. Residential Consumers	182
Boxboro, Bolton, Berlin, Marlboro, Etc. Commercial Consumers	32
Boxboro, Bolton, Berlin, Marlboro, Etc. Municipal Consumers	7
Total Boxboro, Bolton, Berlin, Marlboro, Etc. Consumers	221

Total Consumers on the System *

13,155

** Does not include street & yard lighting.*

Hudson Light and Power

Rate Stabilization Trust

The purpose of this Trust is to fund future power supply costs in order to stabilize power supply expenses and other presently ascertainable obligations in order to remain competitive within the electric industry and for other power supply related issues which the Trustees designate by vote.

Note: Figures below do not reflect Unrealized Gains or Losses.

Balance of the Rate Stabilization Fund as of January 1, 2021	\$ 6,349,385.34
Interest, Dividends and Principal Received	131,624.63
Gain on Sales	<u>223,176.05</u>
Total Additions to the Fund	\$ 354,800.68
Loss on Sales	18,150.18
Service Charges	11,247.73
Foreign tax paid	-
Transfer to Operation Cash	<u>-</u>
Total Reductions to the Fund	\$ 29,397.91
Balance of the Rate Stabilization Fund as of December 31, 2021	<u>\$ 6,674,788.11</u>

FIXED INVESTMENTS	COST BASIS	EQUITY INVESTMENTS	COST BASIS
AVIDIA BANK MMKT	\$ 31,584.69	(ABT) ABBOTT LABS	\$ 46,753.58
COMMONWEALTH MONEY MARKET	303,268.40	(MO) ALTRIA GROUP, INC.	58,148.68
CENTURY BANK CD 1913	285,249.69	(AIG) AMERICAN INT'L GROUP IN	91,206.55
PFIZER	150,037.31	(BAC) BANK OF AMERICA	57,129.10
MERCK & CO	148,599.00	(BMY) BRISTOL MYERS SQUIBB	87,352.86
AT&T INC NOTE 100K	101,654.14	(KO) COCA COLA	42,134.51
ALTRIA GROUP INC NOTE	46,330.01	(ED) CONS ED	72,919.40
SOUTHERN CO GAS CAP	125,485.02	(LLY) ELI LILLY & CO	46,072.51
GENERAL MLS INC MED TERM NTS	277,713.65	(EMR) EMERSON ELECTRIC CO	121,332.32
BK OF AMERICA CORP SER M MTN	275,464.80	(GIS) GENERAL MILLS INC.	44,780.02
AT&T INC NOTE	277,573.58	(HPQ) HEWLETT PACKARD CO.	89,361.91
INTERSTATE PWR & LT CO	128,521.11	(JNJ) JOHNSON & JOHNSON	107,394.13
ALTRIA GROUP INC NOTE 300K	314,478.73	(KMB) KIMBERLY CLARK	43,614.77
VERIZON COMMUNICATIONS 300K	300,976.12	(MCD) MCDONALDS CORP	72,747.66
MERCK & CO INC NOTE 150K	147,645.00	(MRK) MERCK & CO INC	103,348.64
JOHNSON & JOHNSON NOTE 150K	158,040.68	(PEP) PEPSICO INC.	34,394.79
BALTIMORE GAS & ELEC	321,348.30	(PFE) PFIZER INC.	95,071.53
EMERSON ELE CO	301,242.47	(PG) PROCTER & GAMBLE CO.	33,118.69
UNITED STATES TREAS NTS NOTE	130,033.15	(ROK) ROCKWELL AUTO INC	102,297.40
UNITED STATES TREAS SER S-2023	412,254.21	(SO) SOUTHERN CO.	56,551.97
UNITED STATES TREAS NTS SERX-2024	285,154.52	(UN) UNILEVER	51,975.64
UNITED STATES TREAS SER AG-2021	408,250.70		
UNITED STATES TREAS NTS SERX-2025	286,176.17		
Total	\$ 5,217,081.45		\$ 1,457,706.66

**Hudson Light and Power
Employees Retirement Trust**

The purpose of this Trust is to directly reimburse the Town of Hudson for retirement costs attributable to Light Department retirees for whom the Town is assessed annually by the Middlesex County Retirement System. On the basis of actuarial studies, sufficient funds will continue to be set aside to meet the future retirement obligations of the town for persons currently employed by the Municipal Light Department

Note: Figures below do not reflect Unrealized Gains or Losses.

Balance of Retirement Fund as of January 1, 2021	\$ 22,715,939.05
Cash transferred to HLPD Retirement Trust Fund	2,952,000.00
Gain on Sales	108,908.69
Interest, dividends and Principal received	<u>690,280.53</u>
Total Additions to the Fund	<u>\$ 3,751,189.22</u>
Payments to the Town of Hudson	1,477,530.40
Loss on Sales	5,002.98
Service Charge	48,229.44
Foreign tax paid	
Total Reductions to the Fund	<u><u>\$ 1,530,762.82</u></u>

Balance of Retirement Fund as of December 31, 2021	\$ 24,936,365.45
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FIXED INVESTMENTS	COST BASIS	EQUITY INVESTMENTS	COST BASIS
AVIDIA BANK MONEY MARKET	\$ 1,188,862.70	(ABT) ABBOTT LABS	\$ 371,141.44
COMMONWEALTH MONEY FUNDS	1,069,807.10	(MO) ALTRIA GROUP INC	487,263.37
GNMA	242.48	(AIG) AMERICAN INT'L GROUP INC.	254,622.01
GNMA	252.27	(BAC) BANK OF AMERICA CORP.	393,163.52
CENTURY CD 1727	232,452.59	(BMY) BRISTOLMYERS SQUIBB	930,611.66
BALTIMORE GAS & ELECTRIC	661,711.60	(KO) COCA COLA	551,136.31
BANK AMERICA CORP	354,016.02	(ED) CONS EDISON	637,811.23
GEORGIA PWR CO SER 2020A NOTE	452,377.20	(LLY) ELI LILLY & CO	627,317.55
BANK AMER CORP SER M MTN	600,723.26	(EMR) EMERSON ELECTRIC CO.	910,209.31
AT&T INC	359,267.61	(GIS) GENERAL MILLS INC.	473,848.32
AT&T INC 550K 1.49838%	605,543.39	(HPQ) HEWLETT PACKARD CO.	567,816.94
GEORGIA PWR CO NOTE	529,075.48	(JNJ) JOHNSON & JOHNSON	815,586.81
EVERSOURCE ENERGY	609,264.17	(KMB) KIMBERLY CLARK	549,832.36
ALTRIA GROUP INC	576,544.33	(MCD) MCDONALDS CORP	641,638.49
VERIZON COMMUNICATIONS 550K	551,789.54	(MRK) MERCK & CO	840,082.49
SOUTHERN PWR CO SER 2021A	225,020.29	(PEP) PEPSICO INC.	454,493.43
ALTRIA GROUP INC 500K	527,911.50	(PFE) PFIZER INC.	969,829.84
UNITED STATES TREAS NTS NOTE	300,076.50	(PG) PROCTER & GAMBLE CO.	590,914.40
UNITED STATES TREAS NTS SER S-2023	515,317.77	(ROK) ROCKWELL AUTO. INC	645,529.99
UNITED STATES TREAS NTS SER X-2024	517,417.48	(SO) SOUTHERN CO	645,047.91
UNITED STATES TREAS NTS SER AG-2024	510,313.37	(UN) UNILEVER	446,411.12
FEDERAL HOME LOAN BA SE Z9-2025	500,000.00		
UNITED STATES TREAS NTS SER X-2025	520,320.30		
FEDERAL HOME LOAN BK SER TS-2028	225,000.00		
FEDERAL FARM CR BKS BOND	498,750.00		
Total	\$ 12,132,056.95		
			\$ 12,804,308.50

**Hudson Light and Power
Other Post-Employment Benefits Trust**

The purpose of this Trust is to directly reimburse the Town of Hudson for retirement costs, other than pensions, attributable to Light Department retirees. On the basis of actuarial studies, sufficient funds will continue to be set aside to meet the future retirement obligations of the Town for persons currently employed by the Municipal Light Department.

Note: Figures below do not reflect Unrealized
Gains or Losses.

Balance of the Other Post Employment Benefit Fund as of January 1, 2021	\$ 2,406,530.33
Interest, Dividends and Principal Received	54,983.64
Transfers from Operations Cash	150,000.00
Gain on Sales	<u>15,379.74</u>
Total Additions to the Fund	\$ 220,363.38
Loss on Sales	140.98
Service charge	4,933.16
Foreign tax paid	<u>-</u>
Total Reductions to the Fund	\$ 5,074.14
Balance of the Other Post Employment Benefit Fund as of December 31, 2021	<u>\$ 2,621,819.57</u>

FIXED INVESTMENTS	COST BASIS
AVIDIA BANK MONEY MARKET	\$ 194,462.94
COMMONWEALTH CASH	14,899.97
APPLE INC	160,019.31
BANK OF AMERICA CORP	220,849.73
RAYTHEON TECHNOLOGIES CORP	131,064.47
DISNEY WALT CO NOTE	124,326.67
ABBVIE INC NOTE	125,081.43
PAYPAL HOLDGS INC	124,008.72
AMGEN INC NOTE	98,577.00
SIMON PPTY GROUP LP NOTE	<u>102,435.61</u>
Total	<u>\$1,295,725.85</u>

Hudson Light and Power
Other Post-Employment Benefits Trust

EQUITY INVESTMENTS	COST BASIS
(ABT) ABBOTT LABS	\$ 16,989.21
(APD) AIR PRODUCTS & CHEM	8,349.60
(MO) ALTRIA GROUP, INC.	37,766.13
(AMZN) AMAZON.COM INC	31,820.55
(AMP) AMERIPRISE FINANCIAL INC	69,090.05
(AAPL) APPLE INC COMP	98,135.96
(T) AT&T INC	39,013.36
(ADP) AUTOMATIC DATA PROCESSING INC	25,258.06
(AVB) AVALON BAY COMMUNITIES INC	20,847.75
(BAC) BANK OF AMERICA CORPORATION	41,763.58
(BMY) BRISTOL MYERS SQUIBB	30,715.22
(CVX) CHEVRON CORP	22,225.41
(CMCSA) COMCAST CORP NEW CL A	33,151.45
(ED) CONS ED	17,740.19
(DIS) DISNEY WALT CO	40,795.43
(EMN) EASTMAN CHEMICAL CO	10,716.93
(EBAY) EBAY INC COM	30,387.86
(LLY) ELI LILLY & CO	25,111.76
(EMR) EMERSON ELECTRIC CO.	42,278.03
(GIS) GENERAL MILLS INC.	30,891.85
(HPQ) HEWLETT PACKARD CO.	44,364.89
(JNJ) JOHNSON & JOHNSON	24,948.49
(KMB) KIMBERLY CLARK CORP	22,258.17
(LOW) LOWES COMPANIES INC COM	30,478.77
(MPC) MARATHON PETROLEUM CORP	21,824.00
(MRK) MERCK & CO INC	22,543.33
(MSFT) MICROSOFT CORP	83,446.48
(NKE) NIKE INC CLASS B COM	30,109.29
(NUE) NUCOR CORP COM	10,650.67
(OGN) ORGANON & CO	1,101.58
(PEP) PEPSICO INC.	21,622.03
(PFE) PFIZER INC	27,872.39
(PSX) PHILLIPS 66 COM	21,464.64
(PLD) PROLOGIS INC	21,187.73
(PRU) PRUDENTIAL FINL INC.	72,770.35
(ROK) ROCKWELL AUTOMATION INC	46,459.33
(SRE) SEMPRA ENERGY	25,583.44
(SO) SOUTHERN CO.	16,656.46
(TJX) TJX COS INC NEW COM	41,648.94
(VZ) VERIZON COMMUNICATIONS	34,526.13
(WRK) WESTROCK CO COM	31,528.23

\$ 1,326,093.72

PARK COMMISSION / DIVISION OF RECREATION

2022 ANNUAL REPORT

The Park Commission/Division of Recreation aims to provide the residents of Hudson with comprehensive recreation programs for those of all ages. The Division of Recreation strives to continually expand and enhance recreation facilities while keeping abreast of ever-changing trends and community needs. The Division of Recreation advocates for the preservation of open space and the natural features of Hudson that define its character, identity and link to the past.

As part of its routine functions, the Park Commission and Division of Recreation staff plan, promote, and implement a wide range of recreation programs for the community (including various large-scale special events such as REC Fest (formerly Pumpkin Fest/RECtober Fest) and an Annual Golf Tournament, among other events. The department schedules the use of over 30 parks/playgrounds/town facilities, processes general Use of Town Property Forms on behalf of the Town of Hudson, conducts Park Commission meetings, serves on various boards & committees and attends meetings as necessary in order to perform our duties. As a means of continuing education, the Recreation Administrative Staff attend both the Massachusetts Recreation and Park Association and New England Park Association Annual Conferences, participate in various recreation specific workshops as well as the Central Mass Recreation and Park Association Regional meetings throughout the year. The Division of Recreation coordinates various services with other Town agencies, as well as, both private and non-profit organizations to better serve the community. The Park Commission/Division of Recreation recommends and implements rules and regulations for the use of town property under their jurisdiction and collects fees for programs and services administered by the department. The Division of Recreation advertises programs, services and events throughout the year using limited brochures, flyers and written notices, as well as the Recreation Department website (www.hudsonrecreation.org) and social media outlets such as Facebook, Twitter and Instagram...which have proven to be the most effective mode of communication among program participants and those in the community.

Each year the Division of Recreation advertises part-time, seasonal employment opportunities in order to staff various programs. As part of this process, the Division of Recreation Administrative Staff screen, interview and make recommendations for hiring employees. Additionally, the Administrative Staff update employee manuals, conduct meetings with staff regarding programs and events, and train employees in various areas (including Lifeguarding, CPR/AED, First Aid and other program specific areas as needed).

Throughout 2021, the Park Commission/Division of Recreation prepared an operating budget and capital improvement plans in order to make both long- and short-term recommendations for facility renovations and upgrades. The FY22 Budget did not include any requests for Capital Projects. As in years past, the Division of Recreation coordinated various projects throughout the year. Projects were coordinated and/or completed with the assistance of the Department of Public Works, Conservation Commission, Board of Health, Hudson Public Schools, Hudson Light & Power and various Private Contractors. Key 2021 projects include: Centennial Beach Renovation Project (95% project completion per plans, which included full site renovation with the installation of two (2) new buildings and complete parking lot installation; Improvements to the Warren Chamberlain Rink (to improve spectator viewing areas); Full renovation of the Riverside Baseball field practice pitching areas; Installation of swings mats across all playground swings areas (both Town and School); Fencing upgrades at the Hudson Skate Park; and improvements to the Farley School Playground (which included the replacement of the existing swings and additional repairs to the original playground structure).

While Covid-19 continued to impact all programs and events, the Division of Recreation was still able to safely run modified and virtual programs, as depicted in the report below and all in-person program offerings were planned and modified around the Covid-19 state and local restrictions. The department worked collaboratively with the Hudson Health Department to implement the Bench Donation Program created in 2020; partnered with the Hudson Land Trust and Green Hudson on a Community Wide Clean Up during the fall of 2021; and work closely with the Community Development Department to assist with the construction oversight of the Hudson Riverwalk Project. Additionally, new programs were added throughout the year to keep the community engaged. New programs included: Creative Coding and an expansion of the Unified Sports programs offerings to include Soccer and Noodleball.

Moving forward...

As we begin to move beyond the Covid-19 pandemic, Hudson Recreation hopes to get back on track and push through priority projects that were identified by the Park Commission immediately prior to the start of the pandemic and revisit policy updates that were unfortunately placed on hold. These priority projects include: collaborating with the Department of Public Works to improve athletic field maintenance programming; the completion of the Moulton Field and Playground Renovation - Design Phase; and continuing the process of evaluating how to best develop a dog park to meet our community's needs. One positive takeaway from the pandemic is that Hudson Recreation is now better suited than ever to pivot or adapt at any given time to continue to delivery programs, services and project oversight to meet the Park Commissions goals and objectives. The Park Commission/Division of Recreation will strive to keep our community members engaged, connected and safe as we move forward from the global pandemic we experienced over the last two years. We look forward to opportunity to continue to serve the Town of Hudson, however that may look in the years to come.

FINANCIALS

Budget	FY21	FY22
Recreation Salaries	\$321,703.00	\$354,688.00
Recreation Expenses	\$69,533.00	\$67,305.00
 Town Meeting Approved Articles	 FY21	 FY22 (no requests)
Splash Pad Chemical Control Systems	\$10,000.00	
Assabet River Rail Trail Kiosk Replacement	\$10,000.00	
 Revolving Fund & Gift Account Balances	 1-Jul-20	 1-Jul-21
Recreation Programs Revolving	\$137,330.44	\$223,892.60
Recreation Gifts & Donations	\$15,205.62	\$21,401.00
Hamilton Children's Recreation Program Gift	\$50,366.00	\$50,366.00
 EMPLOYMENT	 2020	 2021
Part-Time Seasonal Staff	31 individuals	66 individuals
Volunteers (throughout year)	10 individuals	10 individuals
 SOCIAL MEDIA	 2020	 2021
Facebook (likes / followers)	1965 / 2156	n/a / 2500
Twitter (followers)	26	78
Instagram (followers)	318	488
 FACILITY SCHEDULING	 2020	 2021
Total Hours Scheduled	3181	7902
Use of Town Property Forms Processed	37	46

PROGRAM STATISTICS (*denotes # of participants registered, prior to program cancellation due to Covid-19)

Fall / Winter Programs:

	2019-2020	2020-2021
Youth Basketball Instructional Program	278 participants	cancelled - Covid-19
Unified Basketball Program	56 participants	cancelled - Covid-19
Elks Hoop Shoot	50 participants	cancelled - Covid-19
Winter Baseball/Softball Clinics	113* participants	cancelled - Covid-19
G.G. E-Sports	n/a	112 participants
Unified Soccer	n/a	16 players / 8 Partners

	2020	2021
Spring / Summer Programs:		
RECKids Day Socialization	cancelled - Covid-19	181
<i>RECKids special events & field trips:</i>		
<i>Total RECKids special events and field trips participation:</i>	cancelled - Covid-19	cancelled - Covid-19
Youth Swim Instruction (4 sessions)	cancelled - Covid-19	cancelled - Covid-19
Guard Start/Lifeguard Training	cancelled - Covid-19	34 Lifeguard participants
Youth Tennis Instruction (5 sessions)	194 participants	129 participants
Adult Tennis Lesson (1 session)	6 participants	0 participants
Track & Field	43 participants	44 participants
Field Hockey Clinic	cancelled - Covid-19	n/a
Archery Lessons	cancelled - Covid-19	n/a
Skyhawks (Golf Lessons)	10 participants	6 participants
Skyhawks (Flag Football)	10 participants	0 participants (HYFC ran)
Skyhawks (Ultimate Sports)	10 participants	18 participants
Kids' Test Kitchen (in-person/virtual)	12*/14 participants	13 participants (all virtual)
Unified Noodle Ball	41* participants	cancelled - Covid-19
Babysitting Course	20* participants	22 participants
Home Alone Safety Course	30* participants	35 participants
CPR/First Aid Courses	26 participants	36 participants
Counselor In Training (C.I.T)	cancelled - Covid-19	cancelled - Covid-19
Creative Coding	n/a	10 participants
G.G. E-Sports	n/a	18 participants
Total Transactions Processed (through RecDesk)	617	787
Centennial Beach Parking:		
Resident Day Passes	2020 0 passes	2021 921 passes
Resident Season Passes	0 passes	658 passes
Non-Resident Day Passes	0 passes	n/a per Park Commission
Non-Resident Season Passes	0 passes	n/a per Park Commission
Total Income	\$0.00	\$22,755.00
Special Events & Activities:		
Recreation Golf Tournament	2020 72 golfers (Oct 2020)	2021 144 golfers
Wood Park Concerts	cancelled - Covid-19	5 concerts
Cellucci Park Concerts	cancelled - Covid-19	3 concerts
REC Fest Attendance (formerly RECTober Fest)	cancelled - Covid-19	est. 1500 (no fee)
REC Fest Vendors / Food Trucks	cancelled - Covid-19	17 / 2
George Chiasson Memorial Fishing Derby	cancelled - Covid-19	cancelled - Covid-19

Respectfully Submitted,

*Robert D. Bowen, Chairman – Hudson Park Commission
 Michael C. Chaves Sr., Park Commissioner
 James D. Roan, Park Commissioner
 Steven L. Santos, Director of Recreation*