The Commonwealth of Massachusetts

Return

of the

Municipal Light Department of

the Town of BRAINTREE

to the

Department of Public Utilities

of Massachusetts

For the Year ended December 31,

2018

Name of officer to whom correspondence should be addressed regarding this report: Official title: General Manager

Form AC-19

William Bottiggi

Office address: 150 Potter Road

Braintree, MA 02184



The Board of Commissioners Braintree Electric Light Department Braintree, Massachusetts 02184

Management is responsible for the accompanying financial statements of Braintree Electric Light Department which comprise the balance sheet as of December 31, 2018, and the related statements of income and unappropriated retained earnings for the year then ended, included in the accompanying prescribed form in accordance with accounting principles generally accepted in the United States of America. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements included in the accompanying prescribed form nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on the financial statements included in the accompanying prescribed form.

The financial statements included in the accompanying prescribed form are presented in accordance with the requirements of the Massachusetts Department of Public Utilities, and are not intended to be a presentation in accordance with accounting principles generally accepted in the United States of America.

Goulet, Salvidio & Associates P.C.

Loulet, Salvidio & associates P.C.

Worcester, Massachusetts

March 29, 2019

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7 (111	GENERAL INFORMAT		Page 3
1.	Name of town (or city) making report.		Braintree
2.	If the town (or city) has acquired a plant, Kind of plant, whether gas or electric. Owner from whom purchased, if so acquired. Date of votes to acquire a plant in accordance with the purchapter 164 of the General Laws. Record of votes: First vote: Yes, 119; No, 3 Second votes.		Electric
	Date when town (or city) began to sell gas and electricit	y,	July 1893
3.	Name and address of manager of municipal lighting:		William Bottiggi 150 Potter Road Braintree, MA 02184
4.	Name and address of mayor or selectmen:	Joseph C. Sullivan 1 JFK Memorial Drive Braintree, MA 02184	
5.	Name and address of town (or city) treasurer:	Edward Spellman 1 JFK Memorial Drive Braintree, MA 02184	
6.	Name and address of town (or city) clerk:	James Casey 1 JFK Memorial Drive Braintree, MA 02184	
7.	Names and addresses of members of municipal light bo	oard: Anthony Agnitti James Regan Thomas J. Reynolds	Braintree, MA Braintree, MA Braintree, MA
8.	Total valuation of estates in town (or city) according to la (taxable)	ast State valuation	\$7,207,325,707
9.	Tax rate for all purposes during the year:		
	Commercial/Industrial/Per	Residential rsonal Property	\$10.09 \$22.20
10.	Amount of manager's salary:		\$208,000
11.	Amount of manager's bond:		\$100,000
12.	Amount of salary paid to members of municipal light boa	ard (each):	\$0

		RED BY GENERAL LAWS, CHAPT R THE FISCAL YEAR, ENDING DE	•
		,	Amount
	IVATE CONSUMERS:		
1 From sales of gas	•		05 500 000
2 From sales of electri	city	TOTAL	65,500,000
3		TOTAL	65,500,000
4 5 EXPENSES			
	ananaa and ranaira		50 500 000
6 For operation, maint 7 For interest on bond	•		50,500,000 3,200,000
8 For depreciation fund	•	257,863,353 as per page 8B)	7,735,901
9 For sinking fund requ	•	207,000,000 as per page 0b)	7,755,901
10 For note payments	anomonto		
11 For bond payments			
12 For loss in preceding	ı vear		
13	, ,	TOTAL	61,435,901
14			
15 COST :			
16 Of gas to be used fo	r municipal buildings		
17 Of gas to be used fo	r street lights		
18 Of electricity to be us	sed for municipal buildi	ngs	1,700,000
19 Of electricity to be us	sed for street lights		500,000
20 Total of above items	to be included in the ta	x levy	2,200,000
21			
22 New construction to		•	
23 Total amounts to b	e included in the tax le	vy	
N. 6 '11'	CUSTOMERS	The fire of the latest	
Names of cities or towns	•	Names of cities or towns in which	
supplies GAS, with the numeters in each.	amber of customers	ELECTRICITY, with the number o meters in each.	customers
meters in each.	Number	meters in each.	Number
City or Town	of Customers'	City or Town	of Customers'
Oity of Town	Meters, Dec. 31	Oity of Town	Meters, Dec. 31
	Wotoro, Boo. or	Braintree	16,503
		Drainti oc	10,000
тотл	AL 0	TOTAL	16,503
13717	¬⊫ ∪	IOIAL	10,505

(Ind	APPROPE clude also all items charge direct to	RIATIONS SINCE BEGINN to tax levy, even where no a		uired.)	
FOR *At *At	CONSTRUCTION OR PURCHASI meeting meeting	E OF PLANT	, to be paid from ** , to be paid from **	TOTAL_	0
1. 2. 3.	THE ESTIMATED COST OF THE TO BE USED BY THE CITY OR Street lights Municipal buildings			TOTAL _	500,000 1,700,000 2,200,000
* Date	e of meeting and whether regular o	r special	** Here insert bonds, note	es or tax levy	
		CHANGES IN THE PROP	ERTY		
1.	Describe briefly all the important including additions, alterations of in electric property:				
	In gas property:	Not applicable			

Bonds (Issued on Account of Gas or Electric Lighting.)

		Amount of	Period of Paymen	ts		Interest	Amount Outstanding
When Authorized*	Date of Issue	Original Issue **	Amounts	When Payable	Rate	When Payable	at End of Year
March 1893 March 1924 June 1951	April 1893 July 1924 February 1952	16,500 50,000 1,400,000					
March 1958	May 1958	1,500,000					
March 1959	May 1959	2,500,000					
October 1973	August 1975	17,000,000					
October 1973	October 1976	5,000,000					
May 2009	May 2009	109,700,000	3,935,000	15-May-10	4.80%	5/15/2010	
			4,050,000	15-May-11	4.80%	5/15/2011	
			4,260,000	15-May-12	4.80%	5/15/2012	
			4,415,000	15-May-13	4.80%	5/15/2013	
			4,630,000	15-May-14	4.80%	5/15/2014	
			4,855,000		4.80%	5/15/2015	
			5,085,000		4.80%	5/15/2016	
			5,335,000		4.80%	5/15/2017	
			5,600,000	, ,	4.80%	5/15/2018	
			5,875,000	,	4.80%	5/15/2019	
			5,965,000		4.80%	5/15/2020	
			6,180,000		4.80%	5/15/2021	
			6,515,000		4.80%	5/15/2022	
			6,785,000		4.80%	5/15/2023	
			7,120,000		4.80%	5/15/2024	
			7,475,000		4.80%	5/15/2025	
			7,845,000	15-May-26	4.80%	5/15/2026	
			7,545,000		4.80%	5/15/2027	
			3,320,000	15-May-28	4.80%	5/15/2028	
	TOTAL	137,166,500	106,790,000			TOTAL	64,625,0

The bonds and notes outstanding at end of year should agree with the Balance Sheet.

When bond 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 repaid

Town Notes

(Issued on Account of Gas or Electric Lighting.)

		Amount of	Period of Pay	ments		Interest	Amount Outstand
When Authorized*	Date of Issue	Original Issue **	Amounts	When Payable	Rate	When Payable	at End of Year
March 1892	May 1892	30,000					
October 1896	October 1896	3,000					
November 1899	November 1899	2,500					
January 1900	January 1900	26,000					
June 1900	June 1900	5,000					
May 2006	November 2006	8,500,000					
June 2007	June 2007	12,000,000					
November 2007	November 2007	65,500,000					
June 2008	June 2008	33,864,420					
	TOTAL	119,930,920	1			TOTAL	

The bonds and notes outstanding at end of year should agree with the Balance Sheet.

When bond 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 repaid

1. Report below the cost of utility plant in service

2. Do not include as adjustments, corrections of

additions and retirements for the current or the

according to prescribed accounts

TOTAL COST OF PLANT - ELECTRIC

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 amounts.

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

		Balance		ga			Balance
Line	Account	Beginning of Year	Additions	Retirements	Adjustments	Transfers	End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	1. INTANGIBLE PLANT						
2							
3							
4		0	0	0	0	0	0
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights	631,438					631,438
8	311 Structures and Improvements	11,152,094	204				11,152,298
9	312 Boiler Plant Equipment	4,352,889					4,352,889
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units	11,888,823					11,888,823
12	315 Accessory Electric Equipment	3,208,939	56,485				3,265,424
13	316 Miscellaneous Power Plant Equipment	1,051,258					1,051,258
15	Total Steam Production Plant	32,285,441	56,689	0	0	0	32,342,130
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
	Total Nuclear Production Plant	0	0	0	0	0	0

TOTAL COST OF PLANT - ELECTRIC (Continued)

		Balance					Balance
Line No.	Account (a)	Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	End of Year (g)
1	C. Hydraulic Production Plant	(2)	(0)	(4)	(0)	(-)	(9)
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	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements	13,438,313	52,347				13,490,660
13	342 Fuel Holders, Producers and Accessories	10,011,106	21,854				10,032,960
14	343 Prime Movers	27,815,934	1,611		(50,000)		27,767,545
15	344 Generators	45,659,619					45,659,619
16	345 Accessory Electric Equipment	14,015,437					14,015,437
17	346 Miscellaneous Power Plant Equipment	2,281,845					2,281,845
18	Total Other Production Plant	113,222,254	75,812	0	(50,000)	0	113,248,066
19	Total Production Plant	145,507,695	132,501	0	(50,000)	0	145,590,196
20	3. Transmission Plant						
21	350 Land and Land Rights	258,361					258,361
22	351 Clearing Land and Rights of Way	107,653					107,653
23	352 Structures and Improvements	3,160,831	1,987				3,162,818
24	353 Station Equipment	16,843,352	80,278	(475,437.00)			16,448,193
25	354 Towers and Fixtures	545,982					545,982
26	355 Poles and Fixtures	212,981					212,981
27	356 Overhead Conductors and Devices	2,719,932					2,719,932
28	357 Underground Conduit	3,011,359					3,011,359
29	358 Underground Conductors and Devices	3,323,195	149,223				3,472,418
30	359 Roads and Trails	12,524					12,524
31	Total Transmission Plant	30,196,170	231,488	(475,437)	0	0	29,952,221

	-	TOTAL COST OF PL	ANT (Conclude	d)			
Line		Balance					Balance
No.	Account	Beginning of Year	Additions	Retirements	Adjustments	Transfers	End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	35,000					35,000
3	361 Structures and Improvements	2,242,644					2,242,644
4	362 Station Equipment	5,970,767	50,062				6,020,829
5	363 Storage Battery Equipment	55,807	2,614,161				2,669,968
6	364 Poles Towers and Fixtures	6,011,015	541,742	(16,800)			6,535,957
7	365 Overhead Conductors and Devices	3,944,289	64,474	(63,320)			3,945,443
8	366 Underground Conduit	8,861,533					8,861,533
9	367 Underground Conductors and Devices	11,040,923	665,091	(10,721)			11,695,293
10	368 Line Transformers	8,041,889	1,324,141	(117,250)			9,248,780
11	369 Services	539,221					539,221
12	370 Meters	5,226,478	122,803	(219)			5,349,062
13	371 Installations on Customer's Premises	493,041		(3,433)			489,608
14	372 Leased Prop on Customer's Premises	-					
15	373 Streetlight and Signal Systems	1,416,197	30,147	(5,079)			1,441,265
16	Total Distribution Plant	53,878,804	5,412,621	(216,822)	0	0	59,074,603
17	5. GENERAL PLANT						
18	389 Land and Land Rights						
19	390 Structures and Improvements						
20	391 Office Furniture and Equipment	6,654,840	82,237				6,737,077
21	392 Transportation Equipment	2,579,216	6,400				2,585,616
22	393 Stores Equipment	28,408					28,408
23	394 Tools, Shop and Garage Equipment	87,036					87,036
24	395 Laboratory Equipment	26,132					26,132
25	396 Power Operated Equipment	13,602					13,602
26	397 Communication Equipment	13,623,392	798,655				14,422,047
27	398 Miscellaneous Equipment	260,303	10,911				271,214
28	399 Other Tangible Property	0					
29	Total General Plant	23,272,929	898,203	0	0	0	24,171,132
30	Total Electric Plant in Service	252,855,598	6,674,813	(692,259)	(50,000)	0	258,788,152
31			· 		Total Cost of Elec	<u> </u>	258,788,152
33				Less Cost of Land	, Land Rights, Rigl	hts of Way	924,799
34				Total Cost upon w			257,863,353
	pove figures should show the original cost of the e						
should	be deducted from the cost of the plant. The net c	ost of the property, less t	he land value, sl	nould be taken as a	a basis for figuring	depreciation.	

PAGE 9 IS A BLANK PAGE

	CON	IPARATIVE BALANCE SHEET	ssets and O	ther Debits	
			Balance	Balance	Increase
Line		Title of Account	Beginning	End	or
No.		(a)	of Year	of Year	(Decrease)
			(b)	(c)	(d)
1		UTILITY PLANT			
2 3		Utility Plant - Electric (P. 17)	137,041,519	136,094,513	(947,006)
	101	Utility Plant - Gas (P. 20)			
4					(2.1=.22)
5		Total Utility Plant	137,041,519	136,094,513	(947,006)
6 7					
8					
9 10		FUND ACCOUNTS			
11	100	Investment in Affiliated Company	640,494	496,796	(142 600)
12		Construction Fund	040,494	490,790	(143,698)
13		Depreciation Fund (P. 14)	3,802,135	2,518,360	(1,283,775)
14		Other Special Funds	8,924,230	9,698,951	774,721
15	120	Total Funds	13,366,859	12,714,107	(652,752)
16		CURRENT AND ACCRUED ASSETS	10,000,000	12,7 11,107	(002,102)
17	131	Cash (P. 14)	7,635,902	10,372,803	2,736,901
18		Special Deposits	899,790	902,286	2,496
19		Working Funds	2,500	2,500	0
20		Notes Receivable	,	,	
21	142	Customer Accounts Receivable	2,577,692	2,387,811	(189,881)
22	143	Other Accounts Receivable	2,716,706	1,179,028	(1,537,678)
23	146	Receivables from Municipality	131,770	17,507	(114,263)
24	151	Materials and Supplies (P. 14)	4,366,285	4,347,783	(18,502)
25					
26		Prepayments	206,445	358,773	152,328
27	174	Miscellaneous Current Assets	5,846,261	3,673,605	(2,172,656)
28		Total Current and Accrued Assets	24,383,351	23,242,096	(1,141,255)
29		DEFERRED DEBITS			
30		Unamortized Debt Discount			
31		Extraordinary Property Losses			(4=====)
32	185	Other Deferred Debits	14,334,866	13,862,499	(472,367)
33		Total Deferred Debits	14,334,866	13,862,499	(472,367)
34		Total Assats and Otto D. 14	400 400 505	105 040 045	(0.040.000)
35		Total Assets and Other Debits	189,126,595	185,913,215	(3,213,380)

COMPARATIVE BALANCE SHEET Liabilities and Other Credits Balance Balance Increase Line Title of Account Beginning End or of Year No. of Year (Decrease) (a) (b) (c) (d) **APPROPRIATIONS** 2 201 Appropriations for Construction 0 3 SURPLUS 4 205 Sinking Fund Reserves 5 206 Loans Repayment 64,031,500 69,631,500 5,600,000 6 207 Appropriations for Construction Repayments 46,169 46,169 7 208 Unappropriated Earned Surplus (P. 12) (2,135,751)(4,251,022)(2,115,271)8 **Total Surplus** 61,941,918 65,426,647 3,484,729 9 **LONG TERM DEBT** 10 221 Bonds (P. 6) 70,225,000 64,625,000 (5,600,000)224 Other Long Term Debt 11 0 0 0 12 227 Obligation under Capital Lease 0 0 0 231 Notes Payable (P. 7) 13 0 0 14 **Total Bonds and Notes** 70,225,000 64,625,000 (5,600,000)15 **CURRENT AND ACCRUED LIABILITIES** 16 232 Accounts Payable 4,070,581 4,211,768 (141, 187)17 234 Payables to Municipality 235 Customers' Deposits 18 2,865,442 2,141,765 (723,677)19 236 Taxes Accrued 20 237 Interest Accrued 422,823 396,169 (26,654)21 242 Miscellaneous Current and Accrued Liabilities 34,566 263,756 298,322 22 **Total Current and Accrued Liabilities** 7,763,789 6,906,837 (856, 952)23 **DEFERRED CREDITS** 24 251 Unamortized Premium on Debt 12,799,458 11,334,230 (1,465,228)25 252 Customer Advances for Construction 0 26 253 Other Deferred Credits 2,637,031 3,911,799 1,274,768 27 **Total Deferred Credits** 15,436,489 15,246,029 (190,460)28 **RESERVES** 29 260 Reserves for Uncollectible Accounts 130,515 90,282 (40,233)30 261 Property Insurance Reserve 0 0 0 31 262 Injuries and Damages Reserves 0 0 32 263 Pensions and Benefits Reserves 24,702,798 24,121,456 (581,342)265 Miscellaneous Operating Reserves 33 8,382,354 502,158 7,880,196 34 **Total Reserves** 32,713,509 32,594,092 (119,417)35 **CONTRIBUTIONS IN AID OF** 36 **CONSTRUCTION** 37 271 Contributions in Aid of Construction 1,045,890 1,114,610 68,720 38 Total Liabilities and Other Credits 189,126,595 185,913,215 (3,213,380)

State below if any earning 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.

Line No. Account (a) Current Year (b) Increase or (Decrease) from Preceding Year (c) 1 OPERATING INCOME 65,009,063 2,563,510 2 400 Operating Revenues (P. 37 and 43) Operating Expenses: 4401 Operation Expense (p. 42 and 47) 45,382,545 2,459,318 4 402 Maintenance Expense 5,950,209 89,279 6 403 Depreciation Expense 7,554,695 156,289 7 407 Amortization of Property Losses 7,554,695 156,289 9 408 Taxes (P. 49) 58,887,449 2,704,886 10 Total Operating Expenses 58,887,449 2,704,886 11 Operating Income 6,121,614 (141,376) 13 Total Operating Income 6,121,614 (141,376) 15 OTHER INCOME 6,121,614 (141,376) 16 415 Income from Merchandising, Jobbing,		STATEMENT OF INCOME FOR THE YEAR	21, 2010	1 age 12
Line Account	 	STATEMENT OF INCOMETOR THE TEAR		Increase or
No. Carrier	Lina	Account	Current Veer	
1 OPERATING INCOME 400 Operating Revenues (P. 37 and 43)				` ,
OPERATING INCOME	110.	(a)	(6)	~
2	1	OPERATING INCOME		(0)
3	2		65 009 063	2 563 510
4 401 Operation Expense (p. 42 and 47)		· · · · · · · · · · · · · · · · · · ·	33,000,000	2,000,010
5		·	45,382,545	2,459,318
6		· · · · · · · · · · · · · · · · · · ·		
7		·		,
9		· · · · · · · · · · · · · · · · · · ·	, ,	,
Total Operating Expenses 58,887,449 2,704,886 Cyperating Income 6,121,614 (141,376) Cyperating Income Cyperati	8			
11		408 Taxes (P. 49)		
12	10	· · · · · · · · · · · · · · · · · · ·	58,887,449	2,704,886
13		·	6,121,614	(141,376)
Total Operating Income		414 Other Utility Operating Income (P. 50)		
15				
16		·	6,121,614	(141,376)
and Contract Work (P. 51) 419 Interest Income 419 Interest Income 421 Miscellaneous Nonoperating Income (P. 21) 975,096 488,251 Total Other Income 1,516,896 475,411 20 Total Income 7,638,510 312,041 MISCELLANEOUS INCOME DEDUCTIONS 425 Miscellaneous Amortization 426 Other Income Deductions 7,631,141 25 Income Deductions 26 Income Defore Interest Charges 27 A27 Interest on Bonds and Notes 28 428 Amortization of Debt Discount and Expense 29 429 Amortization of Debt Discount and Expense 30 A31 Other Interest Expense 31 A31 Other Interest Expense 32 Total Interest Charges Interest Charges 33 Interest: Charged to Construction - Credit 34 Interest: Charged to Construction - Credit 35 NET INCOME EARNED SURPLUS Line Account (a) Condition (b) (c) 34 A33 Balance Transferred from Income 434 Miscellaneous Credits to Surplus (P. 21) 345 Miscellaneous Debits to Surplus (P. 21) 436 Appropriated Earned Surplus (at end of period) 427 Surplus Applied to Depreciation 208 Unappropriated Earned Surplus (at end of period) 428 Unappropriated Earned Surplus (at end of period) 436 Appropriations of Surplus (et end of period) 437 Surplus Applied to Depreciation 208 Unappropriated Earned Surplus (at end of period) 438 Appropriated Earned Surplus (at end of period) 439 A30 Masculaneous Credits to Surplus (P. 21) 430 CASTON CAST				
17	16	<u> </u>	450.000	(07.544)
18	47	,	·	
Total Other Income			·	·
Total Income MISCELLANEOUS INCOME DEDUCTIONS		, - , ,		
MISCELLANEOUS INCOME DEDUCTIONS (33,114) (3,172) 425 Miscellaneous Amortization 0 0 0 0 0 0 0 0 0 0 0				•
22 425 Miscellaneous Amortization (33,114) (3,172) 23 426 Other Income Deductions 0 0 24 Total Income Deductions (33,114) (3,172) 25 Income Before Interest Charges 7,671,624 315,213 26 INTEREST CHARGES 7,671,624 315,213 27 427 Interest on Bonds and Notes 3,207,350 (274,638) 28 428 Amortization of Debt Discount and Expense (754,489) 44,134 30 431 Other Interest Expense 8,584 4,226 31 432 Interest: Charged to Construction - Credit 8,584 4,226 31 Total Interest Charges 2,461,445 (226,278) 32 NET INCOME 5,210,179 541,491 EARNED SURPLUS Line Account (b) (c) No. (a) (b) (c) 34 208 Unappropriated Earned Surplus (at beginning of period) (2,135,751) 35 36 37 433 Balance Transferred from Income 5,210,179 39 435 Miscellaneous Credits to Surplus (P. 21			7,030,310	312,041
23 426 Other Income Deductions 0 0 0			(33 11/1)	(3 172)
Total Income Deductions (33,114) (3,172)				(3,172)
Income Before Interest Charges				(3 172)
INTEREST CHARGES 27 427 Interest on Bonds and Notes 3,207,350 (274,638)				
28 428 Amortization of Debt Discount and Expense (754,489) 44,134 30 431 Other Interest Expense 8,584 4,226 31 432 Interest: Charged to Construction - Credit 2,461,445 (226,278) 32 NET INCOME 5,210,179 541,491 EARNED SURPLUS Line Account Debits Credits No. (a) (b) (c) 34 208 Unappropriated Earned Surplus (at beginning of period) (2,135,751) 35 36 37 433 Balance Transferred from Income 5,210,179 38 434 Miscellaneous Credits to Surplus (P. 21) 0 39 435 Miscellaneous Debits to Surplus (P. 21) 5,600,000 40 436 Appropriations of Surplus (P. 21) 1,725,450 41 437 Surplus Applied to Depreciation (4,251,022) 43 208 Unappropriated Earned Surplus (at end of period) (4,251,022)		<u> </u>	.,,.	
28 428 Amortization of Debt Discount and Expense (754,489) 44,134 30 431 Other Interest Expense 8,584 4,226 31 432 Interest: Charged to Construction - Credit 2,461,445 (226,278) 32 NET INCOME 5,210,179 541,491 EARNED SURPLUS Line Account Debits Credits No. (a) (b) (c) 34 208 Unappropriated Earned Surplus (at beginning of period) (2,135,751) 35 36 37 433 Balance Transferred from Income 5,210,179 38 434 Miscellaneous Credits to Surplus (P. 21) 0 39 435 Miscellaneous Debits to Surplus (P. 21) 5,600,000 40 436 Appropriations of Surplus (P. 21) 1,725,450 41 437 Surplus Applied to Depreciation (4,251,022) 43 208 Unappropriated Earned Surplus (at end of period) (4,251,022)	27	427 Interest on Bonds and Notes	3,207,350	(274,638)
30	28	428 Amortization of Debt Discount and Expense	, ,	, , ,
31 432 Interest: Charged to Construction - Credit Total Interest Charges 2,461,445 (226,278)		·	(754,489)	44,134
Total Interest Charges 2,461,445 (226,278) (25,210,179 541,491 (25,210,179 541,491 (25,210,179 541,491 (25,210,179 541,491 (25,210,179 541,491 (25,210,179	30	431 Other Interest Expense	8,584	4,226
Seminary	31	432 Interest: Charged to Construction - Credit		
Credits		<u> </u>		
Line Account Debits Credits No. (a) (b) (c) 34 208 Unappropriated Earned Surplus (at beginning of period) (2,135,751) 35 (2,135,751) (2,135,751) 36 (2,135,751) (2,135,751) 37 433 Balance Transferred from Income 5,210,179 38 434 Miscellaneous Credits to Surplus (P. 21) 0 39 435 Miscellaneous Debits to Surplus (P. 21) 5,600,000 40 436 Appropriations of Surplus (P. 21) 1,725,450 41 437 Surplus Applied to Depreciation (4,251,022) 43 208 Unappropriated Earned Surplus (at end of period) (4,251,022)	33		5,210,179	541,491
No. (a) (b) (c) 34 208 Unappropriated Earned Surplus (at beginning of period) (2,135,751) 35 (2,135,751) 36 (2,135,751) 37 433 Balance Transferred from Income 5,210,179 38 434 Miscellaneous Credits to Surplus (P. 21) 0 39 435 Miscellaneous Debits to Surplus (P. 21) 5,600,000 40 436 Appropriations of Surplus (P. 21) 1,725,450 41 437 Surplus Applied to Depreciation (4,251,022) 42 208 Unappropriated Earned Surplus (at end of period) (4,251,022)	ļ.,		5	0 ""
208 Unappropriated Earned Surplus (at beginning of period) (2,135,751) (2,135,751) (2,135,751) (2,135,751) (2,135,751) (2,135,751) (2,135,751) (3,135,751) (4,135,751) (4,135,751) (5,210,179) (5,210,179) (7,135,751) (1,1725,179				
35 36 37 433 Balance Transferred from Income 38 434 Miscellaneous Credits to Surplus (P. 21) 39 435 Miscellaneous Debits to Surplus (P. 21) 40 436 Appropriations of Surplus (P. 21) 41 437 Surplus Applied to Depreciation 42 208 Unappropriated Earned Surplus (at end of period) (4,251,022)			(۵)	\ '
36 37 433 Balance Transferred from Income 38 434 Miscellaneous Credits to Surplus (P. 21) 39 435 Miscellaneous Debits to Surplus (P. 21) 40 436 Appropriations of Surplus (P. 21) 41 437 Surplus Applied to Depreciation 42 208 Unappropriated Earned Surplus (at end of period) 43 5,210,179 5,600,000 1,725,450 44,251,022)		Zuo unappropriated Earned Surpius (at beginning of period)		(∠, 135,/51)
37 433 Balance Transferred from Income 38 434 Miscellaneous Credits to Surplus (P. 21) 39 435 Miscellaneous Debits to Surplus (P. 21) 40 436 Appropriations of Surplus (P. 21) 41 437 Surplus Applied to Depreciation 42 208 Unappropriated Earned Surplus (at end of period) 43 5,210,179 5,600,000 1,725,450 4,725,450 4,251,022)				
38 434 Miscellaneous Credits to Surplus (P. 21) 39 435 Miscellaneous Debits to Surplus (P. 21) 40 436 Appropriations of Surplus (P. 21) 41 437 Surplus Applied to Depreciation 42 208 Unappropriated Earned Surplus (at end of period) 43 (4,251,022)		433 Balance Transferred from Income		5 210 170
39 435 Miscellaneous Debits to Surplus (P. 21) 40 436 Appropriations of Surplus (P. 21) 41 437 Surplus Applied to Depreciation 42 208 Unappropriated Earned Surplus (at end of period) 43 (4,251,022)				_
40 436 Appropriations of Surplus (P. 21) 41 437 Surplus Applied to Depreciation 42 208 Unappropriated Earned Surplus (at end of period) 43 (4,251,022)		· · · · ·	5 600 000	
41 437 Surplus Applied to Depreciation 42 208 Unappropriated Earned Surplus (at end of period) 43 (4,251,022)		, , ,		
42 208 Unappropriated Earned Surplus (at end of period) (4,251,022)		• • • • • • • • • • • • • • • • • • • •	.,. =5,.50	
43		· · · · · · · · · · · · · · · · · · ·	(4,251,022)	
			, , ,	
		TOTALS	3,074,428	3,074,428

	CASH BALANCES AT END OF YEAR		Page 14
Line	Items		Amount
No.	(a)		(b)
1	Operation Fund		10,372,803
-	Operation Fund		10,372,003
3			
4			
5			
6 7			
8			
9			
10			
11			10.070.000
12		TOTAL	10,372,803
MATE	RIALS AND SUPPLIES (Accounts 151-159, 163)		
	Summary per Balance Sheet		
		Amount End	of Year
Line	Account	Electric	Gas
No.	(a)	(b)	(c)
13	Fuel (Account 151) (See Schedule, Page 25)		
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	4,347,783	
	Merchandise (Account 155)		
	Other Materials and Supplies (Account 156)		
	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
	Nuclear Byproduct Materials (Account 159)		
	Stores Expense (Account 163)		
23	,	4,347,783	0
	PRECIATION FUND ACCOUNT (Account 126)	1,017,700	<u> </u>
Line	RESIATION TO THE AGGGGN (AGGGGN 120)		Amount
No.	(a)		(b)
24			(b)
			2 002 125
	Balance of account at beginning of year		3,802,135
	Income during year from balance on deposit (interest)		67,423
	Amount transferred from income (depreciation)		3,887,615
28		TOTAL	7 757 470
29		TOTAL	7,757,173
	CREDITS	.	
	Amount expended for construction purposes (Sec. 57,C.164 of	G.L.)	5,238,813
	Amounts expended for renewals,viz:-		
	Power Contract Settlement		
34			
35			
36			
37			
38			
39	Balance on hand at end of year		2,518,360
40		TOTAL	7,757,173

UTILITY PLANT - ELECTRIC

- Report below the cost of utility plant in service according to prescribed accounts
- 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).
- 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).

		Balance				Adjustments	Balance
Line	Account	Beginning of Year	Additions	Depreciation	Other Credits	Transfers	End of Year
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	1. INTANGIBLE PLANT						0
2							
3							
4		0	0	0	0	0	0
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights	631,438	0				631,438
8	311 Structures and Improvements	881,160	204	691,228			190,136
9	312 Boiler Plant Equipment	12,456	0				12,456
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units	0	0	0			0
12	315 Accessory Electric Equipment	270,815	56,485	96,268			231,032
13	316 Miscellaneous Power Plant Equipment	300,570	0	31,538			269,032
15	Total Steam Production Plant	2,096,439	56,689	819,034	0	0	1,334,094
16	B. Nuclear Production Plant						
17	320 Land and Land Rights						
18	321 Structures and Improvements						
19	322 Reactor Plant Equipment						
20	323 Turbogenerator Units						
21	324 Accessory Electric Equipment						
22	325 Miscellaneous Power Plant Equipment						
23	Total Nuclear Production Plant	0	0	0	0	0	0

	UTILITY PLANT - ELECTRIC (Continued)							
		Balance				Adjustments	Balance	
Line	Account	Beginning of Year	Additions	Depreciation	Other Credits	Transfers	End of Year	
No.	(a)	(b)	(c)	(d)	(e)	(f)	(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	0	0	0	0	0	0	
10	D. Other Production Plant							
11	340 Land and Land Rights							
12	341 Structures and Improvements	10,269,202	52,347	403,149			9,918,400	
13	342 Fuel Holders, Producers and Accessories	6,944,820	21,854	300,333			6,666,341	
14	343 Prime Movers	20,692,896	1,611	934,478	(50,000)		19,710,029	
15	344 Generators	32,307,093	0	1,420,641		0	30,886,452	
16	345 Accessory Electric Equipment	10,186,428	0	420,463			9,765,965	
17	346 Miscellaneous Power Plant Equipment	1,670,939	0	68,455			1,602,484	
18	Total Other Production Plant	82,071,378	75,812	3,547,519	(50,000)	0	78,549,671	
19	Total Production Plant	84,167,817	132,501	4,366,553	(50,000)	0	79,883,765	
20	3. Transmission Plant							
21	350 Land and Land Rights	231,432	0	7,751			223,681	
22	351 Clearing Land and Rights of Way	0	0	0			0	
23	352 Structures and Improvements	1,109,075	1,987	94,825			1,016,237	
24	353 Station Equipment	9,466,203	80,278	505,301			9,041,180	
25	354 Towers and Fixtures	219,676	0	16,379			203,297	
26	355 Poles and Fixtures	0	0	0			0	
27	356 Overhead Conductors and Devices	1,844,274	0	81,598			1,762,676	
28	357 Underground Conduit	315,455	0	90,341			225,114	
29	358 Underground Conductors and Devices	1,000,581	149,223	99,696			1,050,108	
30	359 Roads and Trails	0	0	0			0	
31	Total Transmission Plant	14,186,696	231,488	895,891	0	0	13,522,293	

	UTILITY PLANT ELECTRIC (Continued)							
Line		Balance			Other	Adjustments	Balance	
No.	Account	Beginning of Year	Additions	Depreciation	Credits	Transfers	End of Year	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	
1	4. DISTRIBUTION PLANT							
2	360 Land and Land Rights	0	0	0			0	
3	361 Structures and Improvements	1,374,869	0	67,279			1,307,590	
4	362 Station Equipment	3,160,571	50,062	179,123			3,031,510	
5	363 Storage Battery Equipment	55,807	2,614,161	0			2,669,968	
6	364 Poles Towers and Fixtures	3,706,656	541,742	180,330			4,068,068	
7	365 Overhead Conductors and Devices	12,518	64,474	13,672			63,320	
8	366 Underground Conduit	1,568,067	0	265,846			1,302,221	
9	367 Underground Conductors and Devices	5,600,179	665,091	435,885			5,829,385	
10	368 Line Transformers	3,679,460	1,324,141	241,257			4,762,344	
11	369 Services	0	0	0			0	
12	370 Meters	3,700,429	122,803	156,794			3,666,438	
13	371 Installations on Customer's Premises	81,153	0	14,791			66,362	
14	372 Leased Prop on Customer's Premises	0	0	0			0	
15	373 Streetlight and Signal Systems	1,456,898	30,147	42,486			1,444,559	
16	Total Distribution Plant	24,396,607	5,412,621	1,597,463	0	0	28,211,765	
17	5. GENERAL PLANT							
18	389 Land and Land Rights	0	0	0			0	
19	390 Structures and Improvements	0	0	0			0	
20	391 Office Furniture and Equipment	3,254,145	82,237	199,644			3,136,738	
21	392 Transportation Equipment	2,447,729	6,400	77,375			2,376,754	
22	393 Stores Equipment	16,674	0	852			15,822	
23	394 Tools, Shop and Garage Equipment	0	0	0			0	
24	395 Laboratory Equipment	0	0	0			0	
25	396 Power Operated Equipment	5,884	0	408			5,476	
26	397 Communication Equipment	8,436,834	798,655	408,700			8,826,789	
27	398 Miscellaneous Equipment	112,009	10,911	7,809			115,111	
28	399 Other Tangible Property	0	0	0			0	
29	Total General Plant	14,273,275	898,203	694,788	0	0	14,476,690	
30	Total Electric Plant in Service	137,024,395	6,674,813	7,554,695	(50,000)	0	136,094,513	
31	104 Utility Plant Leased to Others							
32	105 Property Held for Future Use							
33	107 Construction Work in Progress	17,124	0	0		(17,124)	0	
34	Total Utility Plant Electric	137,041,519	6,674,813	7,554,695	(50,000)	(17,124)	136,094,513	

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.

		1. Onew gas and olose	inc lueis separately by s	Kinds of Fuel and O	il	
		Total		-		
Line No.	ltem (a)	Cost (b)	Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of Year					
2	Received During Year					
3	TOTAL	C)			
4	Used During Year (Note A)					
5						
6						
7						
8						
9						
10	Oald an Transformed					
11 12	Sold or Transferred TOTAL DISPOSED OF)			
13	BALANCE END OF YEAR	0				
13	BALANCE END OF TEAR		/ 	Kinds of Fuel and O	il continued	
				Milius of Fuel and O	II - Continued	
Line	Item		Quantity	Cost	Quantity	Cost
No.	(g)		(h)	(i)	(j)	(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	Cold or Transferred					
24 25	Sold or Transferred TOTAL DISPOSED OF					
25 26						
۷۵	BALANCE END OF YEAR				1	

Year Ended December 31, 2018

Allilu	MISCELLANEOUS NONOBERATING INCOME (Account 424)	1 6	ar Ended Decembe	
Line	MISCELLANEOUS NONOPERATING INCOME (Account 421) Item		Amount	Page 21
No	(a)		Amount (b)	
1	Mutual Aid		17,632	
2	Grant Income		700,000	
3	Income from ENE		257,464	
4				
5				
6	тс	DTAL	975,096	
	OTHER INCOME DEDUCTIONS (Account 426)	<u>_</u>		
Line	Item		Amount	
No.	(a)		(b)	
7				
8				
9				
10				
11				
12 13				
14		OTAL	0	
14	MISCELLANEOUS CREDITS TO SURPLUS (Account 434)	JIAL	U	
Line	Item		Amount	
No.	(a)		(b)	
15	·		(6)	
16				
17				
18				
19				
20				
21				
22				
23	TO	DTAL	0	
	MISCELLANEOUS DEBITS TO SURPLUS (Account 435)			
Line	Item		Amount	
No.	(a)		(b)	
	Premium Bond Payments		5,600,000	
25				
26 27				
28				
29				
30				
31				
32	то	OTAL	5,600,000	
	APPROPRIATIONS OF SURPLUS (Account 436)		· · · · ·	
Line	Item		Amount	
No.	(a)		(b)	
33			1,725,450	
34				
35				
36				
37				
38				
39			4 705 150	
40	<u> </u>	DTAL	1,725,450	

MUNICIPAL REVENUES (Account 482,444)

(K.W.H. Sold under the provision of Chapter 269, Acts of 1927)

		1			Б.	
					Revenue	Average Revenue
Line	Acct.	Gas Schedule		Cubic Feet	Received	Per MCF (cents)
No.	No.	(a)		(b)	(c)	(0.0000)
						(d)
1						
2						
3						
4			TOTALS			
					Revenue	Average Revenue
		Electric Schedule		K.W.H.	Received	Per KWH (cents)
		(a)		(b)	(c)	(0.0000)
				, ,	,	(d)
5	444-2	Municipal: (Other than Street Lighting)		10,880,346	1,593,528	0.1465
6						
7						
8			TOTALS	10,880,346	1,593,528	0.1465
9	444-1	Street Lighting		1,411,515	415,200	0.2942
10					,	
11						
12			TOTALS	1,411,515	415,200	0.2942
13			TOTALS	12,291,861	2,008,728	0.1634

PURCHASED POWER (Account 555)

	Names of Utilities				Cost per KWH
Line	from Which Electric	Where and at What	K.W.H	Amount	(cents)
No.	Energy is Purchased	Voltage Received			(0.0000)
	(a)	(b)	(c)	(d)	(e)
20	MMWEC NYPA	Grove Street	13,596,940	411,273	0.0302
21	MMWEC Seabrook	Substation	61,714,464	1,992,345	0.0323
22	Energy New England	Braintree, MA	234,281,763	13,800,094	0.0589
23	ISO New England Interchange	115 KV	27,239,966	8,873,539	0.3258
24	Ameresco	Landfill Solar Array	1,539,765	172,878	0.1123
25	Ameresco	Braintree High School Solar Array	704,141	63,652	0.0904
26	Campanelli Solar		1,933,287	154,706	0.0800
27	Rate Stabilization			1,429,135	
28	National Grid			153,344	
29	Renewable Energy Credits			(102,611)	
30	PTF Credits			(2,874,632)	
31	Fwd Reserve Credits			47,764	
32					
33					
34					
35					
		TOTALS	341,010,326	24,121,487	0.0707

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 KWH (cents) (0.0000) (e)
32	Hingham Municipal Light (Potter)	Grove Street	174,864	\$136,497	0.7806
33	North Attleboro Electric Dept. (Potter)	Substation	396,161	\$309,243	0.7806
34	Hingham Municipal Light (Watson)	Braintree, MA	3,910,781	\$1,846,161	0.4721
35	Concord Municipal (Watson)	115 KV	3,421,933	\$1,615,391	0.4721
36	Taunton Municipal Light (Watson)		3,910,781	\$1,846,161	0.4721
37	Wellesley Municipal Light (Watson)		3,910,781	\$1,846,161	0.4721
38	Reading Municipal Light (Watson)		3,910,781	\$1,846,161	0.4721
39	Chicopee Electric Light (Watson)		3,910,781	\$1,846,161	0.4721
40	New Hampshire Electric Coop (Watson)		4,399,631	\$2,064,526	0.4692
41		TOTALS	27,946,494	13,356,462	0.4779

Next page is 37

- 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.
- Number of customers should be reported on the basis of meters, plus number of late rate accounts except where separate

ELECTRIC OPERATING REVENUES (Account 400)

meter readings are added for billing purposes, one customer:4. Unmetered sales should be included below. The details of such be counted for each group of meters so added. The average sales should be given in a footnote.

of customers means the average of the 12 figures at the close 5. Classification on Commercial and Industrial Sales, Account 442,

month. If the customer count in the residential service classifi Large (or Industrial) may be according to the basis of classification includes customers counted more than once because of spec regularly used by the respondent if such basis of classification is not services, such as water heating, etc., indicate in a footnote the greater than 1000 KW. See Account 442 of the Uniform System

of such duplicate customers included in the classification. of Accounts. Explain basis of Classification

		Operating Revenues		Kilowatt-hours Sold		Average Number of		
						Customers	s per Month	
			Increase or		Increase or		Increase or	
		Amount for	(Decrease) from		(Decrease) from	Number for	(Decrease) from	
Line	Account	Year	Preceding Year	Year	Preceding Year	Year	Preceding Year	
No.	(a) SALES OF ELECTRICITY	(b)	(c)	(d)	(e)	(f)	(g)	
1		40.040.040	000 450	100 050 070	0.507.004	40.004	00	
2	440 Residential Sales	16,948,618	900,456	120,250,378	6,597,224	13,934	32	
3	442 Commercial and Industrial Sales							
4	Small Commercial B Sales	29,292,136	646,110	192,398,192	3,532,900	2,426	47	
5	Large Commercial C Sales	2,896,516	336,711	21,272,164	2,156,814	6	0	
6	444 Municipal Sales	1,593,528	(28,451)	10,880,346	(229,530)	123	0	
7	445 Street Lighting	415,200	7,600	1,411,515	(89,792)			
8	446 Sales to Railroads and Railways							
9	448 Interdepartmental Sales							
10	449 Miscellaneous Sales	113,714	(1,240)	937,595	22,828	211	0	
11	Total Sales to Ultimate Consumers	51,259,712	1,861,186	347,150,190	11,990,444	16,700	79	
12	447 Sales for Resale	13,356,451	1,130,617	27,946,494	(505,828)	9	0	
13	Total Sales of Electricity*	64,616,163	2,991,803	375,096,684	11,484,616	16,709	79	
14	OTHER OPERATING REVENUES							
15	450 Forfeited Discounts		0					
16	451 Miscellaneous Service Revenues		0		* Includes revenue	es from		
17	453 Sales of Water and Water Power		0		application of fuel	clauses \$	\$ -	
18	454 Rent from Electric Property	565,240	(33,488)			•		
19	455 Interdepartmental Rents							
20	456 Other Electric Revenues	35,571	(101,731)		Total KWH to which	ch applied	344,801,080	
21		,	, ,				, ,	
22	ISP Revenues							
23	Miscellaneous Adjustments to Sales	(207,911)	(293,074)					
24	•	, , , ,						
25	Total Other Operating Revenues	392,900	(428,293)					
26	Total Electric Operating Revenue	65,009,063	2,563,510					

SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

Report by account number the K.W.H. sold, the amount derived and the number of customers under each filed schedule

or contra	r contract. Municipal sales, contract sales and unbilled sales may be reported separately in total.							
Line	Account	Schedule	K.W.H.	Revenue	Average Revenue per KWH	Number of C (per Bills re		
No.	No.	(a)	(b)	(c)	(cents)	July 31	Dec 31	
		()		()	(0.0000) (d)	(e)	(f)	
1	440	A1 Residential	114,569,062	\$16,174,053	0.1412	13,454	13,430	
2		A1C Controlled Water Heating	5,647,200	\$769,782	0.1363	513	496	
3		AS Distributed Generation	34,116	\$4,782	0.1402	5	8	
4		DG1 Distributed Generation	7,616	(3,262)	(0.4283)	10	10	
5		DG2 Distributed Generation	381,677	\$24,443	0.0640	4	4	
6	442	G1 Small General Service	66,381,728	\$10,763,897	0.1622	2,238	2,239	
7		E1 Economic Development	679,830	\$81,478	0.1199	0	1	
8		G2 Large General Service	105,000,927	\$15,569,126	0.1483	164	165	
9		H1 Commercial Heating and Cooling	19,946,414	\$2,856,455	0.1432	23	21	
10		P1 Industrial	21,272,164	\$2,896,516	0.1362	6	6	
11	444	MG1 Municipal	2,291,969	\$370,892	0.1618	106	107	
12		MG2 Municipal	6,974,417	\$995,635	0.1428	13	13	
14		MH1 Municipal	1,613,960	\$227,001	0.1406	3	3	
15 16		Street Lighting L1 Area Lighting	1,411,515 937,595	\$415,200 \$113,714	0.2942 0.1213	1 210	1 210	
	TOTAL SA	LES TO ULTIMATE						
	CONSUME	ERS (page 37 Line 11)	347,150,190	51,259,712	0.1477	16,750	16,714	

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

1. Enter in the space proved the operation and maintenance expenses for the year

2. If the increases and decreases are not derived from previously reported figures, explain in footnote

	If the increases and decreases are not derived from previousl	y reported figures, explair	
			Increase or
	Account	Amount for Year	(Decrease) from
Line	(a)	(b)	Preceding Year
No.			(c)
1	POWER PRODUCTION EXPENSES		
2	STEAM POWER GENERATION		
3	Operation:		
4	500 Operation supervision and engineering	309,931	37,223
5	501 Fuel	627,772	220,533
6	502 Steam Expenses	757,330	60,334
7	503 Steam from other sources	0	0
8	504 Steam transferred Cr.	0	0
9	505 Electric expenses	0	0
10	506 Miscellaneous steam power expenses	0	0
11	507 Rents	0	0
12	Total Operation	1,695,033	318,090
13	Maintenance:	, ,	,
14	510 Maintenance supervision and engineering	0	0
15	511 Maintenance of Structures	397,041	(90,541)
16	512 Maintenance of boiler plant	561,431	(409,888)
17	513 Maintenance of electric plant	1,042,880	484,944
18	514 Maintenance of miscellaneous steam plant	164,282	14,543
19	Total Maintenance	2,165,634	(942)
20	Total power production expenses -steam power	3,860,667	317,148
21	NUCLEAR POWER GENERATION	3,000,001	011,110
22	Operation:		
23	517 Operation supervision and engineering	0	0
24	518 Fuel	Ö	0
25	519 Coolants and water		0
26	520 Steam Expenses	Ö	0
27	521 Steam from other sources		0
28	522 Steam transferred Cr.	0	0
29	523 Electric expenses		0
30	524 Miscellaneous nuclear power expenses	0	0
31	525 Rents	0	0
32	Total Operation	0	0
33	Maintenance:	0	U
34		0	0
35	528 Maintenance supervision and engineering 529 Maintenance of Structures		_
36	530 Maintenance of reactor plant	0	0
37	531 Maintenance of electric plant		
38	532 Maintenance of miscellaneous nuclear plant	0	0
39	Total Maintenance	0	0
		0	0
40 41	Total power production expenses -nuclear power HYDRAULIC POWER GENERATION	0	0
42 43	Operation:		0
	535 Operation supervision and engineering	0	0
44	536 Water for power	0	0
45	537 Hydraulic expenses	0	0
46	538 Electric expenses	0	0
47	539 Miscellaneous hydraulic power generation expenses	0	0
48	540 Rents	0	0
49	Total Operation	0	0

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued Increase or Line Account Amount for Year (Decrease) from Preceding Year No. (b) (a) (c) **HYDRAULIC POWER GENERATION - Continued** 2 Maintenance: 3 541 Maintenance Supervision and engineering 0 0 4 542 Maintenance of structures 0 0 5 543 Maintenance or reservoirs, dams and waterways 0 0 6 544 Maintenance of electric plant 0 0 7 545 Maintenance of miscellaneous hydraulic plant 0 0 8 Total maintenance 0 0 9 Total power production expenses - hydraulic power 0 0 **OTHER POWER GENERATION** 10 11 Operation: 546 Operation supervision and engineering 250,246 24,323 12 547 Fuel 3,042,567 (126, 432)13 548 Generation Expenses 14 1,140,328 4,586 549 Miscellaneous other power generation expense 15 366,976 4,285 16 550 Rents 0 4,800,117 17 **Total Operation** (93,238)18 Maintenance: 19 551 Maintenance supervision and engineering 0 0 20 552 Maintenance of Structures 665,591 (24,217)21 553 Maintenance of generating and electric plant 1,212,680 181,514 22 554 Maintenance of miscellaneous other power generation plant 30,385 86,451 23 **Total Maintenance** 1,964,722 187,682 24 Total power production expenses - other power 6,764,839 94,444 25 **OTHER POWER SUPPLY EXPENSES** 555 Purchased power 26 24,121,487 2,079,314 27 556 System control and load dispatching 28 557 Other expenses 29,998 284,037 2,109,312 29 Total other power supply expenses 24,405,524 30 Total power production expenses 35,031,030 2,520,904 31 TRANSMISSION EXPENSES 32 Operation: 560 Operation supervision and engineering 0 0 33 561 Load dispatching 34 0 0 562 Station expenses 35 0 0 563 Overhead line expenses 0 36 0 564 Underground line expenses 37 0 0 565 Transmission of electricity by others 38 0 0 566 Miscellaneous transmission expenses 39 0 0 40 567 Rents 0 0 41 **Total Operation** 0 0 42 Maintenance: 43 568 Maintenance supervision and engineering 0 0 44 569 Maintenance of structures 0 0 570 Maintenance of station equipment (107,028)45 71,902 571 Maintenance of overhead lines 46 0 572 Maintenance of underground lines 49,516 47 11,137 573 Maintenance of miscellaneous transmission plant 48 40,806 (1,509)49 Total maintenance 162,224 (97,400)Total transmission expenses 50 162,224 (97,400)

Increase of New York and March Amount for Year (b) (b) (c) (ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued				
Line No. Account		ELECTRIC OF ERATION AND MAINTENANCE EXPENSES - C		Increase or	
Distribution Expenses Co		A 4	A		
DISTRIBUTION EXPENSES					
DISTRIBUTION EXPENSES 20	No.	(a)	(b)	_	
Section Sect				(c)	
3 580 Operation supervision and engineering 234,230 23,755 581 Load dispatching (Operation Labor) 0 0 0 582 Station expenses 0 0 0 6 583 Overhead line expenses 30,121 (11,837) 7 584 Underground line expenses 10 0 0 8 585 Street lighting and signal system expenses 141,167 8,641 10 586 Miscellaneous distribution expenses 10 0 0 15 587 Customer installations expenses 0 0 0 0 15 589 Rents 0 0 0 0 0 0 10 Total operation 5861,171 (75,859) 6586,171 (75,859) 0	l I	DISTRIBUTION EXPENSES			
4 581 Load dispatching (Operation Labor) 0 0 0 5 582 Station expenses 0 0 0 6 583 Overhead line expenses 30,121 (11,837) 7 584 Underground line expenses 30,121 (11,837) 8 585 Street lighting and signal system expenses 141,187 8,841 9 586 Meter expenses 2,684 (4,592) 10 587 Customer installations expenses 177,949 (91,826) 15 589 Rents 0 0 0 13 Total operation 586,171 (75,859) 14 Maintenance in Structures 0 0 0 590 Maintenance of structures 1 0 0 591 Maintenance of station equipment 198,123 (21,331) 15 595 Maintenance of station equipment 198,123 (21,331) 15 595 Maintenance of station equipment 198,123 (21,331) 15 595 Maintenance of state lighting and signal systems 1336,36 (869) 25 595 Maintenance of state lighting and signal systems 1336,36 (869) 25 596 Maintenance of meters <t< td=""><td>2</td><td>Operation:</td><td></td><td></td></t<>	2	Operation:			
5 582 Station expenses 0 0 0 5 83 Overhead line expenses 30,121 (11,837) 7 584 Underground line expenses 10 0 0 5 85 Street lighting and signal system expenses 2,664 (4,592) 10 588 Miscellaneous distribution expenses 2,2684 (4,592) 11 588 Miscellaneous distribution expenses 0 0 15 589 Rents 0 0 0 15 589 Rents 0 0 0 15 590 Maintenance supervision and engineering 138,676 39,462 15 590 Maintenance of structures 0 0 0 17 592 Maintenance of structures 0 0 0 17 592 Maintenance of structures 19,671,463 18,700 19 594 Maintenance of underground lines 13,493 36,959 595 Maintenance of meters 0 0 20 595 Maintenance of meters 302,449 3 3 589 Maintenance of miscellaneous distribution plant 144,812 34,599 2 597 Maintenance of miscellaneous distribution plant 144,812 34,59	3	580 Operation supervision and engineering	234,230	23,755	
5 582 Station expenses 0 0 0 5 83 Overhead line expenses 30,121 (11,837) 7 584 Underground line expenses 10 0 0 5 85 Street lighting and signal system expenses 2,664 (4,592) 10 588 Miscellaneous distribution expenses 2,2684 (4,592) 11 588 Miscellaneous distribution expenses 0 0 15 589 Rents 0 0 0 15 589 Rents 0 0 0 15 590 Maintenance supervision and engineering 138,676 39,462 15 590 Maintenance of structures 0 0 0 17 592 Maintenance of structures 0 0 0 17 592 Maintenance of structures 19,671,463 18,700 19 594 Maintenance of underground lines 13,493 36,959 595 Maintenance of meters 0 0 20 595 Maintenance of meters 302,449 3 3 589 Maintenance of miscellaneous distribution plant 144,812 34,599 2 597 Maintenance of miscellaneous distribution plant 144,812 34,59	4	581 Load dispatching (Operation Labor)	0	0	
6 583 Overhead line expenses 30,121 (11,837) 7 584 Underground line expenses 0 8,685 30,121 (11,837) 9 585 Street lighting and signal system expenses 2,684 (4,592) 1 586 Meter expenses 2,684 (4,592) 10 587 Customer installations expenses 177,949 (91,826) 15 589 Rents 0 0 0 13 Total operation 586,171 (75,859) 14 Maintenance: 39,462 39,462 15 590 Maintenance supervision and engineering 138,676 39,462 16 591 Maintenance of structures 0 0 16 593 Maintenance of structures 0 0 15 590 Maintenance of underground lines 1,671,463 18,700 15 593 Maintenance of line transformers 0 0 10 595 Maintenance of line transformers 943,493 303,336 (689) 25 597 Maintenance of meters 302,346 (5,949) <td>5</td> <td></td> <td>0</td> <td>0</td>	5		0	0	
7 584 Underground line expenses 0 0 585 Street lighting and signal system expenses 141,187 8,641 9 586 Meter expenses 2,684 (4,592) 10 588 Miscellaneous distribution expenses 0 0 1588 Rents 0 0 10 Total operation 5861,711 (75,859) 14 Maintenance: 1 0 15 590 Maintenance supervision and engineering 138,676 39,462 16 591 Maintenance of structures 0 0 0 17 592 Maintenance of structures 198,123 (21,331) 18,700 0 0 18 593 Maintenance of structures 943,493 (36,959) 359 Maintenance of underground lines 943,493 (36,959) 359 Maintenance of structures 0 0 0 0 0 0 0 0 0 0 0 0 36,959 359 Maintenance of struct lighting and signal systems 133,636 (869) 359 359 Maintenance of meters 302,346 (5,949) 23 598 Maintenance of meters 330,2346 (5,949)		•	30.121	(11.837)	
8 585 Street lighting and signal system expenses 141,187 8,641 9 586 Meter expenses 2,684 (4,592) 10 587 Customer installations expenses 177,949 (91,826) 15 588 Miscellaneous distribution expenses 177,949 (91,826) 15 588 Pents 0 0 10 Maintenance 586,171 (75,859) 14 Maintenance of structures 0 0 590 Maintenance of structures 0 0 0 591 Maintenance of station equipment 198,123 (21,331) 18 593 Maintenance of station equipment 198,123 (21,331) 18 593 Maintenance of station equipment 198,123 (36,959) 20 595 Maintenance of structures 0 0 21 596 Maintenance of line transformers 0 0 25 597 Maintenance of meters 302,346 (869) 25 598 Maintenance of meters 302,346 (869) 25 598 Maintenance of meters 302,3				(11,551)	
9 586 Meter expenses 2,684 (4,592) 10 587 Customer installations expenses 177,949 (91,826) 12 588 Miscellaneous distribution expenses 177,949 (91,826) 13 Total operation 586,171 (75,859) 14 Maintenance 39,462 15 590 Maintenance supervision and engineering 138,676 39,462 16 591 Maintenance of structures 0 0 17 592 Maintenance of station equipment 198,123 (21,331) 18 593 Maintenance of verthead lines 1,671,463 18,700 19 594 Maintenance of underground lines 943,493 (36,999) 595 Maintenance of ine transformers 0 0 0 20 596 Maintenance of ine transformers 302,346 (5,949) 595 Maintenance of inscellaneous distribution plant 14,812 34,597 24 Total maintenance 3,532,549 27,651 25 Total distribution expenses 0 0 0 0 0<		·	_	8 641	
10 587 Customer installations expenses 0 0 0 0 0 0 1,77,949 (91,826) 12,588 Rents 0				· ·	
11 588 Miscellaneous distribution expenses 177,949 (91,826) 12 589 Rents 0 0 13 Total operation 586,171 (75,859) 14 Maintenance:			· ·	(4,002)	
12 589 Rents			_	(04.926)	
Total operation			_	(91,020)	
Maintenance:				(75.050)	
15 590 Maintenance supervision and engineering 138,676 39,462 16 591 Maintenance of structures 0 0 17 592 Maintenance of station equipment 198,123 (21,331) 18 593 Maintenance of overhead lines 1,671,463 18,700 20 595 Maintenance of line transformers 0 0 20 595 Maintenance of street lighting and signal systems 133,636 (869) 25 597 Maintenance of meters 302,346 (5,949) 23 598 Maintenance of miscellaneous distribution plant 144,812 34,597 24 Total maintenance 3,532,549 27,651 25 Total distribution expenses 4,118,720 (48,208) 26 CUSTOMER ACCOUNTS EXPENSES Operation: 0 0 29 302 Meter reading expenses 0 0 0 30 903 Customer records and collection expenses 728,823 (124,012) 31 304 Uncollectible accounts 75,000 12,500 30 403 Miscellaneous customer accou		·	586,171	(75,859)	
16 591 Maintenance of structures 0 0 17 592 Maintenance of station equipment 198,123 (21,331) 18 593 Maintenance of overhead lines 1,671,463 18,700 19 594 Maintenance of underground lines 943,493 (36,959) 20 595 Maintenance of line transformers 0 0 21 596 Maintenance of street lighting and signal systems 133,636 (869) 25 597 Maintenance of miscellaneous distribution plant 144,812 34,597 24 Total maintenance 3,532,549 27,651 25 Total distribution expenses 4,118,720 (48,208) 26 CUSTOMER ACCOUNTS EXPENSES Operation: 0 0 29 902 Meter reading expenses 728,823 (124,012) 31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 0			,		
17 592 Maintenance of station equipment 198,123 (21,331) 18 593 Maintenance of overhead lines 1,671,463 18,700 19 594 Maintenance of underground lines 943,493 (36,959) 20 595 Maintenance of line transformers 0 0 21 596 Maintenance of interes 302,346 (5,949) 23 598 Maintenance of meters 302,346 (5,949) 24 Total maintenance 3,532,549 27,651 25 Total distribution expenses 4,118,720 (48,208) 26 CUSTOMER ACCOUNTS EXPENSES 0 0 0 27 Operation: 0 0 0 0 28 901 Supervision 0 1 1,18,720 (48,208) 0 0 0 0 <				39,462	
18 593 Maintenance of overhead lines 1,671,463 18,700 19 594 Maintenance of underground lines 943,493 (36,959) 20 595 Maintenance of line transformers 0 0 21 596 Maintenance of sireet lighting and signal systems 133,636 (869) 25 597 Maintenance of miscellaneous distribution plant 144,812 34,597 24 Total maintenance 3,532,549 27,651 25 Total distribution expenses 4,118,720 (48,208) 26 CUSTOMER ACCOUNTS EXPENSES 0 0 0 27 Operation: 0 0 0 0 29 902 Meter reading expenses 0 0 0 0 0 30 903 Customer records and collection expenses 728,823 (124,012) 125,000 125,000 0 0 0 0 0 0 0 0 0 0 0 0 125,000 0 0 0 0 0 0 0 <td< td=""><td></td><td></td><td>_</td><td>0</td></td<>			_	0	
19 594 Maintenance of underground lines 943,493 (36,959) 20 595 Maintenance of line transformers 0 0 21 596 Maintenance of street lighting and signal systems 133,636 (869) 22 597 Maintenance of meters 302,346 (5,949) 358 Maintenance of miscellaneous distribution plant 144,812 34,592 4 Total maintenance 3,532,549 27,651 25 Total distribution expenses 4,118,720 (48,208) 26 CUSTOMER ACCOUNTS EXPENSES Operation: 0 0 29 901 Supervision 0 0 0 30 902 Meter reading expenses 0 0 0 30 903 Customer records and collection expenses 75,000 12,500 31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 0 0	17	592 Maintenance of station equipment	198,123	(21,331)	
20 595 Maintenance of line transformers 0 0 21 596 Maintenance of street lightling and signal systems 133,636 (869) 25 597 Maintenance of meters 302,346 (5,949) 23 598 Maintenance of miscellaneous distribution plant 144,812 34,597 24 Total distribution expenses 4,118,720 (48,208) 25 Total distribution expenses 4,118,720 (48,208) 26 CUSTOMER ACCOUNTS EXPENSES 0 0 27 Total distribution expenses 0 0 29 902 Meter reading expenses 0 0 30 903 Customer records and collection expenses 728,823 (124,012) 31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 0 0 0 Operation: 0 0 39 12 Demons	18	593 Maintenance of overhead lines	1,671,463	18,700	
21 596 Maintenance of street lighting and signal systems 133,636 (869) 22 597 Maintenance of meters 302,346 (5,949) 23 598 Maintenance of miscellaneous distribution plant 144,812 34,597 24 Total maintenance 3,532,549 27,651 25 Total distribution expenses 4,118,720 (48,208) 26 CUSTOMER ACCOUNTS EXPENSES 0 0 0 27 Operation: 0 0 0 29 902 Meter reading expenses 0 0 0 30 903 Customer records and collection expenses 728,823 (124,012) 31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 3 0 0 35 Operation: 0 0 0 37 912 Demonstrating and selling expenses 661,933	19	594 Maintenance of underground lines	943,493	(36,959)	
22 597 Maintenance of meters 302,346 (5,949) 23 598 Maintenance of miscellaneous distribution plant 144,812 34,597 24 Total maintenance 3,532,549 27,651 25 Total distribution expenses 4,118,720 (48,208) 26 CUSTOMER ACCOUNTS EXPENSES 0 0 27 Operation: 0 0 0 28 901 Supervision 0 0 0 30 902 Meter reading expenses 0 0 0 30 903 Customer records and collection expenses 728,823 (124,012) 31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 0 0 Operation: 911 Supervision 0 0 36 911 Supervision 0 0 0 37 1	20	595 Maintenance of line transformers	0	0	
22 597 Maintenance of meters 302,346 (5,949) 23 598 Maintenance of miscellaneous distribution plant 144,812 34,597 24 Total maintenance 3,532,549 27,651 25 Total distribution expenses 4,118,720 (48,208) 26 CUSTOMER ACCOUNTS EXPENSES 0 0 27 Operation: 0 0 0 28 901 Supervision 0 0 0 30 902 Meter reading expenses 0 0 0 30 903 Customer records and collection expenses 728,823 (124,012) 31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 0 0 Operation: 911 Supervision 0 0 36 911 Supervision 0 0 0 37 1	21	596 Maintenance of street lighting and signal systems	133,636	(869)	
23 598 Maintenance of miscellaneous distribution plant 144,812 34,597' 24 Total maintenance 3,532,549 27,651 25 Total distribution expenses 4,118,720 (48,208) 26 CUSTOMER ACCOUNTS EXPENSES					
24 Total maintenance 3,532,549 27,651 25 Total distribution expenses 4,118,720 (48,208) 26 CUSTOMER ACCOUNTS EXPENSES 0 0 27 Operation: 0 0 0 28 901 Supervision 0 0 0 30 903 Customer records and collection expenses 728,823 (124,012) 31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 0 0 35 Operation: 0 0 0 36 911 Supervision 0 0 0 37 912 Demonstrating and selling expenses 661,933 27,733 38 913 Advertising expenses 0 0 0 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENS				, , ,	
Total distribution expenses		·			
26 CUSTOMER ACCOUNTS EXPENSES 27 Operation: 28 901 Supervision 0 0 29 902 Meter reading expenses 0 0 0 30 903 Customer records and collection expenses 728,823 (124,012) (124,012) 12,500 12,500 12,500 12,500 0 <t< td=""><td></td><td></td><td></td><td></td></t<>					
27 Operation: 0 0 29 901 Supervision 0 0 30 902 Meter reading expenses 0 0 30 903 Customer records and collection expenses 728,823 (124,012) 31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 0 0 35 Operation: 0 0 36 911 Supervision 0 0 0 37 912 Demonstrating and selling expenses 661,933 27,733 38 913 Advertising expenses 0 0 0 40 Total sales expenses 0 0 0 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES 0 0 42 Operation: 1,586,627 17,818			7,110,720	(40,200)	
28 901 Supervision 0 0 29 902 Meter reading expenses 0 0 30 903 Customer records and collection expenses 728,823 (124,012) 31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 0 0 35 Operation: 0 0 36 911 Supervision 0 0 0 37 912 Demonstrating and selling expenses 661,933 27,733 27,733 38 913 Advertising expenses 0 0 0 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES 0 0 Operation: 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative and general salaries 1,586,627<					
29 902 Meter reading expenses 0 0 30 903 Customer records and collection expenses 728,823 (124,012) 31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 803,823 (111,512) 35 Operation: 0 0 36 911 Supervision 0 0 0 37 912 Demonstrating and selling expenses 661,933 27,733 39 916 Miscellaneous sales expenses 0 0 0 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES Operation: 0 0 42 Operation: 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47<			_	0	
30 903 Customer records and collection expenses 728,823 (124,012) 31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 803,823 (111,512) 35 Operation: 0 0 36 911 Supervision 0 0 37 912 Demonstrating and selling expenses 661,933 27,733 38 913 Advertising expenses 0 0 39 916 Miscellaneous sales expenses 661,933 27,733 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES 0 0 42 Operation: 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 32		·		_	
31 904 Uncollectible accounts 75,000 12,500 32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 803,823 (111,512) 35 Operation: 0 0 36 911 Supervision 0 0 0 37 912 Demonstrating and selling expenses 661,933 27,733 38 913 Advertising expenses 0 0 0 40 Total sales expenses 661,933 27,733 41 Total sales expenses 661,933 27,733 42 Operation: 0 0 43 920 Administrative and general salaries 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages			•		
32 905 Miscellaneous customer accounts expenses 0 0 33 Total customer accounts expenses 803,823 (111,512) 34 SALES EXPENSES 0 35 Operation: 0 0 36 911 Supervision 0 0 37 912 Demonstrating and selling expenses 661,933 27,733 38 913 Advertising expenses 0 0 40 Total sales expenses 0 0 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES 0 0 Operation: 0 0 0 43 920 Administrative and general salaries 1,586,627 17,818 49 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48		·	l		
Total customer accounts expenses 803,823 (111,512)			_	12,500	
34 SALES EXPENSES 35 Operation: 36 911 Supervision 0 0 37 912 Demonstrating and selling expenses 661,933 27,733 38 913 Advertising expenses 0 0 39 916 Miscellaneous sales expenses 0 0 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES 661,933 27,733 42 Operation: 1,586,627 17,818 43 920 Administrative and general salaries 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 929 Store Expense		·		0	
35 Operation: 0 0 36 911 Supervision 0 0 37 912 Demonstrating and selling expenses 661,933 27,733 38 913 Advertising expenses 0 0 39 916 Miscellaneous sales expenses 0 0 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES 661,933 27,733 42 Operation: 320 Administrative and general salaries 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense </td <td>33</td> <td>Total customer accounts expenses</td> <td>803,823</td> <td>(111,512)</td>	33	Total customer accounts expenses	803,823	(111,512)	
36 911 Supervision 0 0 37 912 Demonstrating and selling expenses 661,933 27,733 38 913 Advertising expenses 0 0 39 916 Miscellaneous sales expenses 0 0 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES 661,933 27,733 42 Operation: 1,586,627 17,818 43 920 Administrative and general salaries 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses		SALES EXPENSES			
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38 913 Advertising expenses 0 0 39 916 Miscellaneous sales expenses 0 0 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES 661,933 27,733 42 Operation: 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0	36	911 Supervision	0	0	
38 913 Advertising expenses 0 0 39 916 Miscellaneous sales expenses 0 0 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES 661,933 27,733 42 Operation: 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0	37	912 Demonstrating and selling expenses	661,933	27,733	
39 916 Miscellaneous sales expenses 0 0 40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES 661,933 27,733 42 Operation: 1,586,627 17,818 43 920 Administrative and general salaries 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0	38	913 Advertising expenses	0	_	
40 Total sales expenses 661,933 27,733 41 ADMINISTRATIVE AND GENERAL EXPENSES 661,933 27,733 42 Operation: 1,586,627 17,818 43 920 Administrative and general salaries 9,934 (16,240) 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0	39		0	0	
41 ADMINISTRATIVE AND GENERAL EXPENSES 42 Operation: 43 920 Administrative and general salaries 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0			661.933	27.733	
42 Operation: 1,586,627 17,818 43 920 Administrative and general salaries 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0			33.,300	2.,.50	
43 920 Administrative and general salaries 1,586,627 17,818 44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0					
44 921 Office supplies and expenses 9,934 (16,240) 45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0			1 586 627	17 212	
45 922 Administrative expenses transferred - Cr 0 0 46 923 Outside services employed 328,717 26,265 47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0				· ·	
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47 924 Property insurance 586,934 (22,267) 48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0			_	00.005	
48 925 Injuries and damages 0 (200) 49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0					
49 926 Employee pensions and benefits 7,078,871 283,491 50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0			_		
50 928 Regulatory commission expenses 0 0 51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0			_	` '	
51 929 Store Expense 0 0 52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0			7,078,871	283,491	
52 930 Miscellaneous general expenses 510,230 (122,678) 53 931 Rents 0 0		· · · · · · · · · · · · · · · · · · ·	0	0	
53 931 Rents 0 0				0	
			510,230	(122,678)	
54 Total operation 10,101,313 166,189	53	931 Rents	0	0	
	54	Total operation	10,101,313	166,189	

	ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued					
		Amount	Increase or			
Line	Account	for Year	(Decrease) from			
No.	(a)	(b)	Preceding Year			
			(c)			
1	ADMINISTRATIVE AND GENERAL EXPENSES - Cont.					
2	Maintenance:					
3	932 Maintenance of general plant	252,026	62,570			
4	933 Transportation expense	201,685	28,326			
5	Total administrative and general expenses	10,555,024	257,085			
6	Total Electric Operation and Maintenance Expenses	51,332,754	2,548,602			

SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line	Functional Classification	Operation	Maintenance	Total
No.	(a)	(b)	(c)	(d)
7	Power Production Expenses			
8	Electric Generation:			
9	Steam Power:	1,695,033	2,165,634	3,860,667
10	Nuclear Power			
11	Hydraulic Power			
12	Other Power	6,764,839		6,764,839
13	Other Power Supply Expenses	24,405,524		24,405,524
14	Total power production expenses	32,865,396	2,165,634	35,031,030
15	Transmission Expenses	162,224		162,224
16	Distribution Expenses	586,171	3,532,549	4,118,720
17	Customer Accounts Expenses	803,823		803,823
18	Sales Expenses	661,933		661,933
19	Administrative and General Expenses	10,302,998	252,026	10,555,024
20	Total Electric Operation and			
21	Maintenance Expenses	45,382,545	5,950,209	51,332,754

22 Ratio of operating expenses to operating revenues (carry out decimal two places, (e.g., 0.00%)

Compute by dividing Revenues (Acct 400) into the sum of Operation and Maintenance Expenses (Page 42, line 20 (d), Depreciation (Acct 403) and Amortization (Acct 407)

90.58%

23 Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts. \$10,084,885

24 Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)

82

TAXES CHARGED DURING THE YEAR

- 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 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 be readily 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 more than one utility department account, state in a footnote the basis of apportioning such tax.
- 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. (a) Total Taxs Charged During Year (omit cents) Acct 408,409 Acct 408,409 (e) (f) (g) (h) (i) (i) (i) (i) (i) (i) (i) (i) (i) (i	designal	ted whether estimated or actual amounts		the appropriate balance	e sneet plant account or	Subaccount.		or such taxes to the tax	ing authority.	
Charged During Year Charged During Year Comit cents Comit ce			Total Taxes							
Line No. (a) Comit cents) Act 408,409 Act 408,409 (e) (f) (g) (h) (i) 1										
No. (a) (omit cents) Acct 408,409 (c) (d) (e) (f) (g) (h) (i) 1 2 3 4 5 5 6 6 7 7 8 9 9 10 10 11 11 12 12 13 13 14 14 15 15 16 16 17 18 19 20 20 21 12 22 23 23 24 25 5 6 6 7 7 8 7 8 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	Line	Kind of Tax		Flectric	Gas					
(b) (c) (d) (e) (f) (g) (h) (i)										
1 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 10 10 111 11 11 11 11 11 11 11 11 11 11	NO.	(a)				(-)	(5)	(-1)	(1-)	/:\
2 3 4 4 5 6 6 6 7 7 8 9 9 10 11 11 12 13 13 14 15 16 16 16 16 16 17 18 18 19 20 21 1 22 23 24 25 6 6 7 7 8 9 9 10 10 11 11 12 13 14 15 15 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18			(D)	(C)	(a)	(e)	(1)	(9)	(n)	(1)
4 5 6 6 7 7 8 8 9 10 111 12 13 14 15 16 17 18 19 20 21 22 23 24 25										
4 5 6 6 7 7 8 8 9 10 111 12 13 14 15 16 17 18 19 20 21 22 23 24 25	2									
5 6 7 7 8 9 9 10 10 11 11 12 13 14 14 15 15 16 16 17 18 19 20 21 22 23 24 25	3									
6										
8 9 1 10 11 11 12 13 13 14 15 15 16 16 17 17 18 19 20 20 21 22 23 24 25 25 25 2 5 2 5 2 5 2 5 2 5 2 5 2 5	5									
8 9 1 10 11 11 12 13 13 14 15 15 16 16 17 17 18 19 20 20 21 22 23 24 25 25 25 2 5 2 5 2 5 2 5 2 5 2 5 2 5	6									
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	7									
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	8									
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	9									
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	10									
12 13 14 15 16 17 18 19 20 21 22 23 24 25	11									
13 14 15 16 17 18 19 20 21 22 23 24 25										
14 15 16 17 18 19 20 21 22 23 24 25	13									
15	14									
16 17 18 19 20 21 22 23 24 25	15									
17 18 19 20 21 22 23 24 25	16									
18 19 20 21 22 23 24 25	17									
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26 27 28 TOTALS	25									
26 27 28 TOTALS										
26 27 28 TOTALS										
26 27 28 TOTALS										
26 27 28 TOTALS										
26										
27 28 TOTALS	26									
28 TOTALS	27									
	28	TOTALS	3							

	OTHER UTILITY O			1)	Page 50
	Report below the	particulars called f	or in each column		
Line No.	Property (a)	Amount of Investment (b)	Amount of Department (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 45 46 47 48 49 50 51					

Report by utility departments the revenue, costs, expenses, and not income from merchandising, jobbing, and contract work during the year. Line (a) Department (b) Department (c) City (c) (d) (e) (e) (e) (e) (e) (e) (e) (e) (e) (e	Annual	Report of the Town of Braintree			ed December 31, 2018	Page 51
Line Line (a) Line (b) Line (b) Line (c) Line (d) Line (d) Line Line (d) Line (e) Line (e) Line Line (e) Line (e) Line Line (e) Line Line (e) Line Line (e) Line Line Line (e) Line Line Line Line Line Line Line Line		INCOME FROM MI	ERCHANDISE, JOBBIN	NG, AND CONTRACT	WORK (Account 415)	
Inches Renn Renn Department Department Department Department Col Depart			osis, expenses, and ne	t income from merchar	idising, jobbing,	
No. (a) (b) (c) (d) (e)						T-4-1
Revenues:						
3 allowances and returns	1		,	. ,	, ,	. ,
3 allowances and returns	2	Merchandise sales, less discounts,				
S Commissions Other (list according to major classes)	3					
S Commissions Other (list according to major classes)	4	Contract work				450,800
Total Revenues	5	Commissions				
Total Revenues	6	Other (list according to major classes)				
Total Revenues	7					
Total Revenues	8					
11 12 12 13 Costs and Expenses: 14 Cost of sales (list according to major classes of cost) 15 Jobbing/Contract Costs 17 Materials 18 Outside Service Labor 19 20 21 22 23 24 26 27 Customer accounts expenses 28 Administrative and general expenses 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0	9					
11 12 12 13 Costs and Expenses: 14 Cost of sales (list according to major classes of cost) 15 Jobbing/Contract Costs 17 Materials 18 Outside Service Labor 19 20 21 22 23 24 26 27 Customer accounts expenses 29 20 21 22 23 24 26 27 27 28 28 Administrative and general expenses 29 20 20 20 20 20 20 20	10	Total Revenues	0	0	0	450,800
Cost of sales (list according to major classes of cost) classes of Cost) classes of Cost) Materials Noutside Service Labor Solution Contract Costs Administrative and general expenses Administrative and general expenses Administrative and general expenses Administrative and general expenses Total Costs and Expenses Do d d d d d d d d d d d d d d d d d d d	11					
14 Cost of sales (list according to major classes of cost) 15 Jobbing/Contract Costs 17 Materials 18 Outside Service Labor 19 20 21 22 23 24 25 26 Sales Expenses 27 Customer accounts expenses 28 Administrative and general expenses 29 30 31 31 32 33 34 44 45 46 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0 0	12					
15	13	Costs and Expenses:				
16 Jobbing/Contract Costs 17 Materials 18 Outside Service Labor 19 20 21 22 23 24 25 26 Sales Expenses 27 Customer accounts expenses 28 Administrative and general expenses 29 30 31 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0 0	14	Cost of sales (list according to major				
17 Materials 18 Outside Service Labor 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 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0 0	15					
18 Outside Service Labor 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 43 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0 0	16					
19	17	Materials				
20	18	Outside Service Labor				
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 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0 0	19					
22	20					
23 24 25 26 Sales Expenses 27 Customer accounts expenses 28 Administrative and general expenses 29 30 31 32 33 34 45 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0 0	21					
24	22					
25	23					
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 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0 0	24					
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 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0	25					
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 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0 0	26	Sales Expenses				
29 30 31 31 32 33 34 35 36 37 38 39 40 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0	27	Customer accounts expenses				
30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0	28	Administrative and general expenses				
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0	29					
32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0	30					
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0 0	31					
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0	32					
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0 0	33					
36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0	34					
37 38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0	35					
38 39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0	36					
39 40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0	37					
40 41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0	38					
41 42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0	39					
42 43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0	40					
43 44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0	41					
44 45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0 0	42					
45 46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0	43					
46 47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0	44					
47 48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0	45					
48 49 50 TOTAL COSTS AND EXPENSES 0 0 0 0	46					
49 50 TOTAL COSTS AND EXPENSES 0 0 0 0	47					
50 TOTAL COSTS AND EXPENSES 0 0 0 0	48					
	49					
51 Net Profit (or loss) 0 0 0 450 800	50	TOTAL COSTS AND EXPENSES	0	0	0	0
5	51	Net Profit (or loss)	0	0	0	450,800

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 and "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.

			Export			Kw o	r Kva of Dem	and
			Across				Avg mo.	Annual
		Statistical	State		Sub	Contract	Maximum	Maximum
Line	Sales to:	Classification	Line	Point of Delivery	Station	Demand	Demand	Demand
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1								
2 I	Hingham Municipal Light (Potter)	FP		Grove St, Braintree	RS	2,125 kW		2,125 kW
3 N	North Attleboro Electric Dept.(Potter)	FP		Grove St, Braintree	RS	4,800 kW		4,800 kW
4 I	Hingham Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
5 (Concord Municipal (Watson)	FP		Grove St, Braintree	RS	10,150 kW		10,150 kW
6 Т	Taunton Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
7 V	Wellesley Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
	Reading Municipal Light (Waston)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
	Chicopee Electric Light (Watson)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
	New Hampshire Electric Coop (Watson)	FP		Grove St, Braintree	RS	13,050 kW		13,050 kW
11				'				1
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42								1

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	Voltage						Revenue per kwh	
Demand Reading (i)	mand at Which ading Delivered	Kilowatt- Hours (k)	Capacity Charges (I)	Energy Charges (m)	Other Charges (n)	Total (o)	(CENTS) (0.0000) (p)	Line No.
		, ,	,,	, ,	, ,	, ,	. ,	
NONE								
	TOTALS:	0	0.00	0.00		0.00		

PURCHASED POWER (Account 555) (EXCEPT INTERCHANGE POWER)

- Report power purchased for resale during the year.

 Exclude from this schedule and report on page 56 particulars concerning interchange power transactions during the year.
- 2. Provide subheadings and classify purchases 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 purchase designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other, O, and place an "x" in column (c) if purchase involves import across a state line.
- 3. Report separately firm, dump, and other power purchased from the same company. Describe the nature of any purchases classified as Other Power, column (b).

						Kw	or Kva of Der	nand
			Across				Avg mo.	Annual
Line	Purchased from	Statistical Classification	State Line	Point of Receipt	Sub Station	Contract Demand	Maximum Demand	Maximum Demand
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	(2)	(~)	(0)	(4)	(0)	(.)	(9)	()
	MMWEC Seabrook	FP	Х	Grove St., Braintree	RS	7 kW		7 kW
3	MMWEC NYPA	FP	X	Grove St., Braintree	RS	3 kW		3 kW
4	Energy New England, L.L.C.	EX		Grove St., Braintree	RS			
5	ISO New England Interchange	EX		Grove St., Braintree	RS			
6	Hydro Quebec (through ISO-NE)	FP	Х	Grove St., Braintree	RS	6 kW		6 kW
7								
8								
9								
10								
11								
12								
13								
14								
15								
16	Entitlement in Taunton							
17	Cleary 9 Unit ended 12/31/13							
18								
19								
20								
21								
22								
23								
24								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41	** Includes transmission and adr	ninistrative cha	rges and	decommissioning				
42				3				

PURCHASED POWER (Account 555) (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	Voltage	Cost of Energy (Omit Cents)						
Demand	at Which	Kilowatt-	Capacity	Energy	Other		KWH (CENTS)	
Reading	Delivered	Hours	Charges	Charges	Charges (n) **	Total	(0.0000)	Line
(i)	(j)	(k)	(I)		(n) **	(o)	(p)	No.
								1
								2
								3
								4
								5
								6
								7
								8
** NONE**								9
								10
								11
								12
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								39
								40
		_						41
	TOTALS:	0	-	-	-	-		42

INTERCHANGE POWER (Included in Account 555)

- 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

		Inter- change		Voltage at		Kilowatt-hours		
		Across State		Which Inter-				Amount of
Line	Name of Company	Lines	Point of Interchange	changed	Received	Delivered	Net Difference	Settlement
No.	(a)	(b)	(c)	(d)	(a)	(f)	(g)	(h)
2							0	
3								
4								
5								
6								
8								
9								
10								
11								
12				TOTALS	0	0	0	-

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13			-
14			-
15			
16			
17			
18			
19			
20			
21		TOTAL	-

		LECTRIC ENERGY	ACCOUNT		
Report below	v the information called for concerning	he disposition of electric er	nergy generated, purchased and inte	erchanged for the year.	
Line.	Item				Kilowatt-hours
No.	(a)				(b)
1	SOURCES OF ENER	₹GY			
2	Generation				
3		Gas Turbine Combine	d Cycle		46,793,281
4	Nuclear				
5	Hydro				
6		Diesel, Fuel Cell			0
7	Total Generati	on			46,793,281
8	Purchases				313,770,900
9			(In (gross)	27,239,966	
10	Interchanges		< Out (gross)	0	
11			(Net (Kwh)		27,239,966
12			(Received		
13	Transmission for/by others (wh	ieeling)	< Delivered		
14			(Net (Kwh)		
15	TOTAL				387,804,147
16	DISPOSITION OF EN	ERGY			
17	Sales to ultimate consumers (i	ncluding interdepartm	ental sales)		347,150,190
18	Sales for resale				27,946,494
19	Energy furnished without charg	ge (station use)			4,755,186
20	Energy used by the company (excluding station use):		
21	Electric departn	nent only			1,442,722
22	Energy losses				
23	Transmission a	nd conversion losses			
24	Distribution loss	es			
25	Unaccounted fo	r losses	1.68%	6,509,555	
26	Total energy lo	osses			6,509,555
27	Energy losses a	as percent of total on I	ine 15		
28				TOTAL	387,804,147

MONTHLY PEAKS AND OUTPUT

- 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 purchase 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 (instantaneous 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 15 above.
- If the respondent has two or more power systems not physically connected, the information called for below should be furnished for each system.

Town of BRAINTREE

			Day of	Day of		Type of	
Line	Month	Kilowatts	Week	Month	Hour	Reading	Monthly Output
No.	(a)	(b)	(c)	(d)	(e)	(f)	(kwh)
29	January	67,020	Tue	2	7:00pm	60 min	39,445,580
30	February	56,210	Wed	7	6:00pm	"	29,213,540
31	March	53,370	Wed	7	7:00pm	"	31,775,210
32	April	49,630	Mon	16	12:00pm	"	29,694,930
33	May	56,540	Tue	29	6:00pm	"	29,872,510
34	June	67,840	Fri	29	5:00pm	"	28,903,970
35	July	79,720	Tue	3	5:00pm	"	37,874,060
36	August	85,460	Wed	29	2:00pm	"	39,621,880
37	September	82,040	Thur	6	4:00pm	"	31,907,540
38	October	55,900	Wed	10	4:00pm	"	28,900,230
39	November	52,980	Thur	15	5:00pm	"	28,910,510
40	December	56,740	Tue	18	8:00pm	"	31,684,187
41						TOTAL	387,804,147

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 \$25,000,000 or more.)
- 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 kva instead of kilowatts as called for on line 5.

- $\label{eq:continuous} 4. \ \mbox{If peak demand for 60 minutes is not available, give that which is available, specifying period.}$
- 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.
- 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 501and

Line	Item	Plant	Plant	Plant
No.	(a)	(b)	(c)	(d)
	()	POTTER I	DIESEL	POTTER II
1	Kind of plant (steam, hydro, int. com., gas turbine	Steam	I.C.	Gas Turbine C.C.
2	Type of plant construction (conventional,			Oil Production
3	outdoor boiler, full outdoor, etc.)	Conventional	Conventional	Conventional
4	Year originally constructed	1959	1977	1977
5	Year last unit was installed	1959	1977	1977
6	Total installed capacity (maximum			
7	generator name plate ratings in kw)	12,500	2,500	97,500
8	Net peak demand on plant-kilowatts (60 min.)	12,500	2,500	79,500
9	Plant hours connected to load		0	1
10	Net continuous plant capability, kilowatts:			
11	(a) When not limited by condenser water	12,500	2,500	97,500
12	(b) When limited by condenser water	12,500	2,500	79,500
	Average number of employees	0	0	14
	Net generation, exclusive of station use	0	0	0
15	Cost of plant (omit cents):			
16	Land and land rights	\$544,918		\$20,271
17	Structures and improvements	\$1,207,012	\$97,709	\$3,762,859
18	Reservoirs, dams, and waterways	ψ1,207,012	\$0.7,000	40,102,000
19	Equipment costs	\$1,369,263	\$657,373	\$18,429,374
20	Roads, railroads, and bridges	ψ1,000,200	\$667,676	ψ 10, 120,01 ·
21	Total cost	\$3,121,193	\$755,082	\$22,212,504
22	Cost per kw of installed capacity	\$250	\$302	\$228
	Production expenses:	Ψ230	\$302	\$220
24	Operation supervision and engineering			
25	Station labor			
26	Fuel		\$0.00	¢45.440
27			\$0.00	\$15,140
28	Supplies and expenses, including water Maintenance	#0.00	#0.00	#0.00
29	Rents	\$0.00	\$0.00	\$0.00
30	Steam from other sources			
31	Steam transferred Credit			
32		60.00	\$0.00	\$15,140
33	Total production expenses	\$0.00	0.0000	0.0000
	Expenses per net Kwh (5 places)	0.0000		
	Fuel: Kind	- · · ·	Oil	Oil
35	Unit: (Coal-tons of 2,000 lb.) (Oil-barrels of 42	Station was	bbls.	bbls.
36	gals.) (Gas-M cu. ft.) (Nuclear, indicate)	Demolished and		
37	Quantity (units) of fuel consumed	Removed in 2007	0	169
	Average heat content of fuel (B.t.u. per lb. of coal,			
	per gal. of oil, or per cu. ft. of gas)		137,077	140,000
	Average cost of fuel per unit, del. f.o.b. plant		0.00	0.00
	Average cost of fuel per unit consumed		0.00	0.00
	Average cost of fuel consumed per million B.t.u.		0.00	0.00
	Average cost of fuel consumed per kwh net gen.		0.00000	0.00000
	Average B.t.u. per kwh net generation			
45			Diesel unit did not run in 2018	
46			and was scrapped in 2018	

Annual Report of the Town of Braintree Year Ended December 31, 2018 Page 58

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

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

10. If the respondent operates a nuclear power generaling 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	Plant	Plant	Plant	Plant	Plant	
(e)	(f)	(g)	(h)	(I)	(j)	
ì					u)	-
POTTER II	Watson Unit 1	Watson Unit 1	Watson Unit 2	Watson Unit 2		
Gas Turbine C.C.	Simple Cycle GT	Simple Cycle GT	Simple Cycle GT	Simple Cycle GT		
Gas Production	Gas Production	Oil Production	Gas Production	Oil Production		
Conventional	Conventional	Conventional	Conventional	Conventional		
1977	2009	2009	2009	2009		
1977	2009	2009	2009	2009		
97,500	58,000	58,000	58,000	58,000		
79,500	58,000	58,000	58,000	58,000		
127	314.55	97.47	349.87	99.53		
97,500	58,000	58,000	58,000	58,000		
79,500	58,000	58,000	58,000	58,000		
14	14	14	14	14		
7,606,360	14,538,610	4,494,480	15,343,560	4,731,160		
\$20,271	\$0	\$0	\$0	\$0		
\$3,762,859	\$5,269,440	\$5,269,440	\$5,269,440	\$5,269,440		
\$18,429,374	\$49,082,775	\$49,082,775	\$49,082,775	\$49,082,775		
\$22,212,504	\$54,352,215	\$54,352,215	\$54,352,215	\$54,352,215		
\$228	\$0	\$0	\$0	\$0		_
\$454,972	\$1,022,350	\$646,166	\$689,514	\$684,538		
						-
\$454,972.00	\$1,022,350.00	\$646,166.00 0.14377	\$689,514.00	\$684,538.00		\dashv
0.05981	0.07032		0.04494	0.14469		-1
Gas	Gas	Oil	Gas	Oil		
M Cu. Ft.	M Cu. Ft.	bbls.	M Cu. Ft.	bbls.		
94 994	145.040	10.000	152.000	12.019		
84,881	145,942	10,060	152,080	12,018		
1.036.24	1036.24		1036.24			
1,036.24 5.36	7.01	64.23	4.53	56.96		
5.36	7.01	64.23	4.53	56.96		
0.05084	0.07032	0.14377	0.04404	0.44400		
0.05981	0.07032	0.143//	0.04494	0.14469		

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,

			Boilers						
Line No.	Location of Station (b)	Number and Year Installed (c)	Kind of Fuel and Method of Firing (d)	Rated Pressure in Ibs. (e)	Rated Steam Temperature* (f)	Rated Max. Continuous M Ibs. Steam per Hour (g)			
	Potter Road Potter Road Potter Road Potter Road	1/1977 1/1977 1/2009 2/2009	Gas/Auto Gas/Auto Gas/Auto	620 N/A N/A N/A	820 N/A N/A N/A	220,000 N/A N/A N/A			

Note Reference:

^{*} Indicates 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 or 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*

				Name Plat	e Rating						
		Steam		in Kilo						Station	
		Pressure		At	At	Hvdr	Hydrogen			Capacity	
Year		at		Minimum	Maximum	Pressure**		Power	Voltage	Maximum	
Installed	Туре	Throttle	R.P.M.	Hydrogen	Hydrogen			Factor	K.v.++	Name Plate	
	.,,,,	p.s.l.g.		Pressure	Pressure	Min.	Max.			Rating*+	Line
(h)	(I)	(j)	(k)	(I)	(m)	(n)	(o)	(p)	(p)	(r)	No.
(,	(-7	U/	(,	(-)	(,	(,	(0)	(P)	(4)	(-)	
1977	SC	620	3,600	20,700	20,700	Air	Cooled	0.9	13.8	20,700	1
1977	SC	620	3,600	78,000	78,000	0.5#	15.0#	0.9	13.8	78,000	2
2009	GT	N/A	3,600	58,000	58,000	Air	Cooled	0.85	13.8	58,000	3
2009	GT	N/A	3,600	58,000	58,000	Air	Cooled	0.85	13.8	58,000	4
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			<u>-</u>	<u> </u>	TOTALS				-		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 characteristics.
- *+ Should agree with column (m).

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

					Water	Wheels	
Line No.	Name of Station (a)	Location (b)	Name of Stream (c)	Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
1							
2							
3							
4							
5							
6							
7 8							
9							
10							
11	*** NONE ***						
12							
13							
14							
15							
16 17							
18							
19							
20							
21							
22							
23							
24							
25 26							
27							
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29							
30							
31							
32							
33							

^{*} 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				
		Maximum hp.							Total Installed	
		Capacity of					Name Plate	Number	Generating	
		Unit at				Fre-	Rating of	of	Capacity in Kil-	
Design Head	R.P.M.	Design Head	Year			quency	Unit in	Units in	owatts (name	
			Installed	Voltage	Phase	or d.c.	Kilowatts	Station	plate ratings)	Line
(h)	(I)	(j)	(k)	(I)	(m)	(n)	(0)	(p)	(q)	No.
	1.1		` '		, ,	` .	` .			
										1
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		*** ***								14
		*** NONE ***								
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										38
						TOTALS				39

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-

	for which the responde	ent is not the sole owne							
					Prime	Movers			
			Diesel or				Belted		
	Name of Station	Location of Station	Other Type	Name of Maker	Year	2 or 4	or Direct		
Line			Engine		Installed	Cycle	Connected		
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)		
1	Potter II	Potter Road	Diesel	Fairbank-Morse	1977	2	Direct		
2									
3									
4									
5									
6		Note: Diesel was			stem as of Ma	ay 1, 2014			
7		Used in emergen	cy situations	only					
8									
9		Diesel unit was e	lectrically disc	connected in [December 201	7 and was			
10		scrapped in April	2018						
11									
12									
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16 17									
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32									
33									
34									
35									
36									
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 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.

	Prime Movers Continued			Generators						
Total Rated hp. hp. of Station nit Prime Movers	Year Installed	Voltage	Phase	Frequency or d.c.	Name Plate Rating of Unit in Kilowatts	Number of Units in Station	Total Installed Generating Capacity in Kilowatts (name plate ratings)	Liı		
(1)	(j)	(k)	(I)	(m)	(n)	(o)	(q)	N		
C ₄	(j) 1977 ote: Diesel was retired to an be used in emergence iesel unit was electrically crapped in April 2018	y situations only		60	(n) 2,665	(0)	(q) 2,665	11111111222222223333333		

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- 1. Small generating stations, for the purpose of this schedule, are steam and hydro stations of less than 2,500 KW* and other stations of less than 500 KW* installed capacity (name plate ratings). (*10,000 KW and 2,500 KW, respectively, if annual electric operating revenues of respondent are \$25,000,000 or more.
- 2. Designate any plant leased from others, operated under a license from the Federal Power Commission,

GENERATING STATION STATISTICS (Small Stations)

or operated as a joint facility, and give a concise statement of the facts in a footnote.

- List plants appropriately under subheadings for steam, hydro, nuclear internal combustion engine and gas turbine stations. For nuclear, see instructions 10 page 59.
- 4. Specify if total plant capacity is reported in kva instead of kilowatts.

If peak demand for 60 minutes is not available, give that which is available, specifying period.
 If any plant is equipped with combustions of steam, hydro, internal combustion engine or gas turbine equipment, each should be reported as a separate plant. However, if the exhaust heat from the gas turbine is utilized in a steam turbine regenerative feed water cycle, report as one plant.

Line No.		Year Const. (b)	Installed Capacity Name Plate Rating - KW (c)	Peak Demand KW (60 Min.) (d)	Net Generation Excluding Station Use (e)	Cost of Plant (Omit Cents) (f)	Plant Cost Per KW Inst. Capacity (g)		Production Expenses Exclusive of Depreciation and Taxes (Omit Cents) Fuel (I)		Kind of Fuel (k)	Fuel Cost Per KWH Net Generation (Cents) 0 (I)
1 2 3 4 5 6 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	*** NOT APPLICABLE ***						137	(1-1)	V	, U	(*)	
28		TOTALS										

TRANSMISSION LINE STATISTICS

Report information concerning transmission line as indicated below.

				Type of	Length (P	ole Miles)	Number	Size of
	Desig	nation	Operating	Supportive		On Structures of	of	Conductors
Line	From	То	Voltage	Structure	Line Designated	Another Line	Circuits	and Material
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1		GROVE STREET	115	WOOD POLE	0.060	` '	1	636ACSR
2	GROVE STREET	PLAIN STREET	115	PIPE CABLE	1.480		1	1000AL
	PLAIN STREET		115	PIPE CABLE	3.650		1	1000AL
	STATION 8	STATION 10	115	PIPE CABLE	1.810		1	1000AL
	STATION 10	POTTER STA	115	PIPE CABLE	1.810		1	1250CU
	POTTER STA	SWIFTS BEACH	115	PIPE CABLE	0.490		1	1250CU
	SWIFTS BEACH		115	STEEL POLE	0.230		1	636ACSR
	WATSON STA	POTTER STA	115	STEEL POLE	0.045		1	636ACSR
9	WATER OF THE	TOTTERCON	110	01221 022	0.010			000/10011
10								
11								
12								
13								
14	* Damlaged 4000	l	on Ctation 10, 16	i= 2000				
15	Replaced 1000/	AL with 1250CU fro	om Station 10 - 16	in 2009 				
16	* D I I 4000	 	01-11-11 10 11	i 0040				
17	Replaced 1000/	AL with 1250CU fro	om Station 16 -11	IN 2010 I				
	*D · I · I ·		NIV 0 1 1 1100					
	*Revised miles in	2017 to match the	NX-9 data at ISC	New England				
19								
20								
21								
22								
23								
24								
25								
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27								
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44								
45								
46								
46								
48								
49								
50				TOTALO	0.50			
51	*	than CO 1	O mbass · · ·	TOTALS	9.58		8	
	where other	than 60 cycle, 3	o pnase, so in	uicale.				

SUBSTATIONS

- Report below the information called for concerning substations of the respondent as of the end of the year.
- Substations which serve but one industrial or street railway customer should not be listed hereunder.
- Substations with capacities of less that 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 accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner or other party is an associated company.

	·'		 '					F J		,	
								Convers	sion Appara	itus and	
		Character		Volta	age	Capacity of	Number of	Number of		cial Equipn	nent
	Name and Location	of				Substation in kva	Transformers	Spare	Type of	Number	Total
Line	of Substation	Substation	Primary	Secondary	Tertiary	(In Service)	In Service	Transformers	Equipment	of Units	Capacity
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	STATION 4 PLAIN STREET	DISTRIBUTION	115	13.8		100,000	2	0	NONE		
2	STATION 10 MIDDLE	DISTRIBUTION	115	13.8		90,000	2	0	NONE		
3	STATION 8 CHURCHILL	DISTRIBUTION	115	13.8		90,000	2	0	NONE		
4											
5											
6	* Installed new 2nd transformer at										
7	Station 8 in 2010										
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
21											
23											
24											
25				<u> </u>	TOTALO	000 000	0	0			
26	1				TOTALS	280,000	6	0			

(OVERHEAD DISTRIE	BUTION LINES OPE	ERATED	
ine			Length (Pole Miles)	
No.		Wood Poles	Steel Towers	Total
1 Miles - Beginning of Year	104.94			104.94
2 Added During Year	0.00			0.00
3 Retired During Year	0.00			0.00
4 Miles - End of Year	104.84			104.84
5			•	
6				
7				
8				
9				
10				
4.4				

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

				Line Tr	ansformers
Line No.	ltem	Electric Services	Number of Watt-hour Meters	Number	Total Capacity (kva)
	Number at beginning of year:	12,491	17,234	2,354	305,669
	Additions during year	,	,	,	,
18	Purchased		0		
19	Installed	20	185	62	11,505
20	Associated with utility plant acquired				
21	Total Additions	20	185	62	11,505
22	Reductions during year:				
23	Retirements	5	11	51	6,750
24	Associated with utility plant sold				
25	Total Reductions	5	11	51	6,750
26	Number at end of year	12,506	17,408	2,365	310,424
27	In stock		90	130	27,000
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		17,318	2,235	283,044
31	In company's use				
32	Number at end of year		17,408	2,365	310,424

7	CONDUIT TINDEDCOOTING CARLE AND CHEMADINE CARLE (Dictribution Cyctem)							
	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. Miles of Conduit Bank Underground Cable Submarine Cable							
Lina	Designation of Hudonomerund Cretons			Miles *				
Line	Designation of Underground System	(All Sizes	and Types)	willes "	Operating	Feet *	Operating	
NI-	(-)		(1-)	(-)	Voltage	(-)	Voltage	
No.	(a) UNDERGROUND DISTRIBUTION SYSTEM		(b)	(c)	(d)	(e)	(f)	
	UNDERGROUND DISTRIBUTION SYSTEM	4	6.92	64.00	13.8kv			
2 3								
4								
5								
6								
7	Natara IIO aabla mailaa maniaadin 0047 ta maflaat CDC manaab							
		er •						
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11								
12 13								
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15 16								
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24								
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27								
28								
29								
30								
31								
32								
32 33								
34								
49	TOTALS	46.92	0.00	64.00		0	0	
1	*indicate number of conductors per cable	<u> </u>						

	STREET LAMPS CONNECTED TO SYSTEM									
			lnaanda	a a a m t	LEDI:	albto.	Type PWE	'D'a	Lliab Droot	Codium
			Incande		LED Li			METAL	High Press	
Line	City or Town	Total	Municipal	Other	Municipal	Other	LED	HALIDE	Municipal	Other
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Braintree	4,125	42		3,864		52	167	0	0
2										
3										
5										
4 5 6 7 8 9										
7										
8	Note: BELD									
	Streetlights in town				ınd					
10	completed in	stalation I	in fall of 20′ I	7 						
11 12										
13										
14										
15										
16										
17										
18										
19 20										
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45 46										
46 47										
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51	TOTA! 0	4405	40		0001		F.0	40=	_	
52	TOTALS	4125	42	0	3864	0	52	167	0 lext Page is	

RATE SCHEDULE INFORMATION

1. Attach copies of all Filed Rates for General Consumers

2. Show below the changes in rate schedules during year and the estimated increase or decrease in annual revenues predicted on the previous year's operations.

Effective	M.D.P.U.	Rate Schedule	Estimated Effect on Annual Revenues		
Date	Number	Schedule	Increases	Decreases	
		******NO RATE CHANGE DURING 2018******			

Annual Report of Town of Braintree Electric Light Department	Year ended December 31, 2018 Page 81
THE DETUDNIC CIONED HADED THE DENALTIES OF	
THIS RETURN IS SIGNED UNDER THE PENALTIES OF	PERJURY
	Mayor
Halle Dolling	
William G. Bottiggi WMU Thomas J. Reynolds, Chairman	
	Selectmen
Anthony L_Agnittî, Vice - Chairman	or
0. 122	Members
James P. Regan, Secretary	> of the Municipal
James P. Regan, Secretary	Light
V	Board
*	
	!
]
	,
	FFIXED OUTSIDE THE COMMONWEALTH OF ST BE PROPERLY SWORN TO
WASSACHUSETTS MU	SI BE PROPERLY SWORN TO
SS	20
Then personally appeared	
And severally made oath to the truth of the foregoing stat subscribed according to their best knowledge and belief.	ement by them
	Notary Public or
	Justice of the Peace

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