# 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,

2015

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

Official title: General Manager

William Bottiggi

Office address: 150 Potter Road

Braintree, MA 02184

Form AC-19

# & ASSOCIATES, P.C.

## CERTIFIED PUBLIC ACCOUNTANTS

James F. Goulet, CPA, MST Catherine A. Kuzmeskus, CPA James R. Dube, CPA Heather E. Isaacs, CPA Tracy I. Vaughan, CPA Shawn J. Goulet, EA

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

Massachusetts Department of Public Utilities is responsible for the accompanying financial statements of Braintree Electric Light Department which comprise the balance sheet as of December 31, 2015, and the related statements of income and retained earnings and cash flows for the year then ended, included in the accompanying prescribed form. 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 the Massachusetts Department of Public Utilities. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on these financial statements.

#### **Other Matter**

The financial statements included in the accompanying prescribed form are intended to comply 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 24, 2016

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	GENERAL INFORMAT		Page 3
	OLIVEIO CINIONI	1011	i age o
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 chapter 164 of the General Laws. Record of votes: First vote: Yes, 119; No, 3 Second votes.	ote: Yes, 146; No, 5	Electric
3.	Date when town (or city) began to sell gas and electrici  Name and address of manager of municipal lighting:	ty,	July 1893 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 be	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 (taxable)	last State valuation	\$5,912,466,560
9.	Tax rate for all purposes during the year:  Commercial/Industrial/Pe	Residential rsonal Property	\$10.98 \$24.66
10.	Amount of manager's salary:		\$190,000
11.	Amount of manager's bond:		\$100,000
12.	Amount of salary paid to members of municipal light bo	ard (each):	\$0

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INCOME FROM PRIVATE CONSUMERS:  1 From sales of gas 2 From sales of gas 3 From sales of gas 4 SEXPENSES 6 For operation, maintenance and repairs 7 For interest on bonds, notes or scrip 8 For of epreciation fund ( 3 % 240,839,732 as per page 8B) 9 For sinking fund requirements 10 For note payments 11 For loss in preceding year 13 TOTAL 15 COST: 16 Of gas to be used for municipal buildings 17 Of gas to be used for street lights 18 Of electricity to be used for street lights 19 Of electricity to be used for street lights 20 Total of above items to be included in the tax levy 21 Total amounts to be included in the tax levy 22 New construction to be included in the tax levy 23 Total amounts to be included in the tax levy 24 CUSTOMERS  Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.  Number of Customers' Meters, Dec. 31  Number of Customers' Meters, Dec. 31  Braintree  Amount 52,000,000 50,000,000 50,000,000 50,000,00				RED BY GENERAL LAWS, CHAP THE FISCAL YEAR, ENDING DI	
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SEXPENSES   For operation, maintenance and repairs   For depreciation fund ( 3 % 240,839,732 as per page 8B)   7,225,192				IOIA	52,000,000
6 For operation, maintenance and repairs 7 For interest on bonds, notes or scrip 8 For depreciation fund ( 3 % 240,839,732 as per page 8B) 9 For sinking fund requirements 10 For note payments 11 For loss in preceding year 13 TOTAL 15 COST: 16 Of gas to be used for municipal buildings 17 Of gas to be used for municipal buildings 18 Of electricity to be used for street lights 19 Of electricity to be used for street lights 20 Total of above items to be included in the tax levy 21 New construction to be included in the tax levy 22 New construction to be included in the tax levy 23 Total amounts to be included in the tax levy 25 Total amounts to be included in the tax levy 26 Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.  Number of Customers' Meters, Dec. 31  Braintree  50,000,000 7,225,192 7	-	FYPENSES			
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For depreciation fund (   3 %   240,839,732   as per page 8B)   7,225,192     For sinking fund requirements     For bond payments     For bond payments     For loss in preceding year			•		00,000,000
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10 For note payments 11 For bond payments 12 For loss in preceding year 13		•		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, -, -
TOTAL  For loss in preceding year  TOTAL  57,225,192  TOTAL  57,20,000  TOTAL  57,20,000  TOTON  TOTON  TOTON  Names of cities or towns in which the plant supplies elements in each.  Names of cities or towns in which the plant supplies elements in each.  Names of cities or towns in which the plant supplies elements in each.  Names of cities or towns in which the plant supplies elements in each.  Names of cities or towns in which the plant supplies elements in each.  Names of cities or towns in which the plant supplies elements in each.  Names of cities or towns in which the plant supplies elements in each.  Names of cities or towns in which the plant supplies elements in each.  Total amou					
TOTAL  13	11	For bond payments			
14   15   COST:   COST:   Of gas to be used for municipal buildings   1,700,000   18   Of electricity to be used for street lights   500,000   20   Total of above items to be included in the tax levy   2,200,000   21   22   New construction to be included in the tax levy   23   Total amounts to be included in the tax levy   2   200,000   20   Total amounts to be included in the tax levy   20   20   20   20   20   20   20   2	12	For loss in preceding ye	ear		
15 Of gas to be used for municipal buildings 17 Of gas to be used for street lights 18 Of electricity to be used for street lights 20 Total of above items to be included in the tax levy 21 New construction to be included in the tax levy 22 Now construction to be included in the tax levy 23 Total amounts to be included in the tax levy 26 Total amounts to be included in the tax levy 27 Total amounts in which the plant supplies GAS, with the number of customers' meters in each.  Number of Customers' Meters, Dec. 31  Braintree  1,700,000 20,200,000 2,200				TOTA	L 57,225,192
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18 Of electricity to be used for municipal buildings 1,700,000 19 Of electricity to be used for street lights 20 Total of above items to be included in the tax levy 21 New construction to be included in the tax levy 22 Total amounts to be included in the tax levy  CUSTOMERS  Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.  Number of Customers' Meters, Dec. 31  Number of Customers' Meters, Dec. 31  Braintree  1,700,000 500,000 2,200,000		•			
19   Of electricity to be used for street lights   500,000     20		=	_		4 700 000
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New construction to be included in the tax levy   Total amounts to be included in the tax levy		· ·	•	, lovy	
New construction to be included in the tax levy   Total amounts to be included in the tax levy		Total of above items to	be included in the tax	C levy	2,200,000
Total amounts to be included in the tax levy  CUSTOMERS  Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.    Number		New construction to be	included in the tax le	VV	
Names of cities or towns in which the plant supplies GAS, with the number of customers' meters in each.  Number of Customers' Meters, Dec. 31  Braintree  CUSTOMERS  Names of cities or towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each.  Number of Customers' City or Town of Customers' Meters, Dec. 31  Braintree  16,420					
supplies GAS, with the number of customers' meters in each.    City or Town   Number of Customers' Meters, Dec. 31   Braintree   State of Customer				,	
meters in each.  City or Town  Number of Customers' Meters, Dec. 31  Braintree  Mumber of Customers' Meters, Dec. 31  Braintree  Number of Customers' Meters, Dec. 31  Braintree	Nam	es of cities or towns in	which the plant	Names of cities or towns in which	the plant supplies
City or Town  Number of Customers' Meters, Dec. 31  Braintree  Number of Customers' Meters, Dec. 31  Braintree  Number of Customers' Meters, Dec. 31  Braintree	supp	olies GAS, with the num	ber of customers'	ELECTRICITY, with the number	of customers'
City or Town of Customers' Meters, Dec. 31  Braintree 16,420	mete	ers in each.		meters in each.	
Meters, Dec. 31  Braintree  16,420					
Braintree 16,420		City or Town		City or Town	
			Meters, Dec. 31	Ducintus	
				Braintree	16,420
TOTAL 10.100					
TOTAL 10.400					
TOTAL 10.400					
		TOTAL	0	TOTA	L 16,420

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(Ind	APPROPR clude also all items charge direct to	IATIONS SINCE BEGINI o tax levy, even where no		quired.)	
FOR	CONSTRUCTION OR PURCHAS	E OF PLANT			
*At	meeting		, to be paid from **		
*At	meeting		, to be paid from **		
	S		, ,	TOTAL	0
				_	
FOR	THE ESTIMATED COST OF THE	GAS OR ELECTRICITY			
	TO BE USED BY THE CITY OR	TOWN FOR:			
1.	Street lights				500,000
2.	Municipal buildings				1,700,000
3.	3-				,,
				TOTAL	2,200,000
					_,,
* Date	e of meeting and whether regular o	or special	** Here insert bonds, note	s or tax levv	
	C	HANGES 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 Paymer	ts		Interest	Amount Outstandir
When Authorized*	Date of Issue	Original Issue **	Amounts	When Payable	Rate	When Payable	at End of Year
March 1893	April 1893	16,500					
March 1924	July 1924	50,000					
June 1951	February 1952	1,400,000					
	1						
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	2.025.000	45 May 40	4.000/	05/45/40	
May 2009	May 2009	109,700,000	3,935,000	,	4.80%	05/15/10	
			4,050,000	,	4.80%	05/15/11	
			4,260,000	,	4.80%	05/15/12	
			4,415,000	,	4.80%	05/15/13	
			4,630,000	,	4.80%	05/15/14	
			4,855,000		4.80%	05/15/15	
			5,085,000	,	4.80%	05/15/16	
			5,335,000	,	4.80%	05/15/17	
			5,600,000	,	4.80%	05/15/18	
			5,875,000	,	4.80%	05/15/19	
			5,965,000	,	4.80%	05/15/20	
			6,180,000	,	4.80% 4.80%	05/15/21 05/15/22	
			6,515,000	,			
			6,785,000		4.80%	05/15/23	
			7,120,000	,	4.80%	05/15/24	
			7,475,000	,	4.80%	05/15/25 05/15/26	
			7,845,000	,	4.80% 4.80%	05/15/26 05/15/27	
			7,545,000 3,320,000	,	4.80% 4.80%	05/15/27 05/15/28	
			3,320,000	15-iviay-28	4.00%	05/15/28	
	TOTAL	137,166,500	106,790,000			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

<sup>\*</sup> Date of meeting and whether regular or special

<sup>\*\*</sup> 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 Outstandi
When Authorized*	Date of Issue	Original Issue **	Amounts	When Payable	Rate	When Payable	at End of Year
Moreh 1000	Mov. 4000	20,000					
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				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

<sup>\*</sup> Date of meeting and whether regular or special

<sup>\*\*</sup> List original issues of bonds and notes including those that have been repaid

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

#### **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					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	10,934,990	20,370				10,955,360
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					3,208,939
13	316 Miscellaneous Power Plant Equipment	951,147	100,111				1,051,258
15	Total Steam Production Plant	31,968,226	120,481	0	0	0	32,088,707
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	Account	Beginning of Year	Additions	Retirements	Adjustments	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	11,474,528	38,326				11,512,854
13	342 Fuel Holders, Producers and Accessories	9,998,398	7,939				10,006,337
14	343 Prime Movers	26,559,340					26,559,340
15	344 Generators	45,268,947					45,268,947
16	345 Accessory Electric Equipment	14,015,437					14,015,437
17	346 Miscellaneous Power Plant Equipment	2,281,845					2,281,845
18	<b>Total Other Production Plant</b>	109,598,495	46,265	0	-	0	109,644,760
19	Total Production Plant	141,566,721	166,746	0	-	0	141,733,467
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	2,977,707	92,124				3,069,831
24	353 Station Equipment	12,498,034	2,462,332				14,960,366
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	3,178,783	82,579				3,261,362
30	359 Roads and Trails	12,524					12,524
31	Total Transmission Plant	25,523,316	2,637,035	0	0	0	28,160,351

		TOTAL COST OF PLA	ANT (Concluded	)			
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	2,228,793	13,641				2,242,434
4	362 Station Equipment	5,895,811	77,956				5,973,767
5	363 Storage Battery Equipment						
6	364 Poles Towers and Fixtures	3,741,719	382,146	(11,576)			4,112,289
7	365 Overhead Conductors and Devices	3,690,167	314,538	(43,597)			3,961,108
8	366 Underground Conduit	8,856,603	4,930				8,861,533
9	367 Underground Conductors and Devices	10,657,837	530,304	(418,211)			10,769,930
10	368 Line Transformers	7,632,843	150,165	(69,797)			7,713,211
11	369 Services	539,221					539,221
12	370 Meters	5,000,302	25,249	(457)			5,025,094
13	371 Installations on Customer's Premises	499,113		(2,508)			496,605
14	372 Leased Prop on Customer's Premises						
15	373 Streetlight and Signal Systems	1,029,983	28,198	(6,151)			1,052,030
16	Total Distribution Plant	49,807,392	1,527,127	(552,297)	0	0	50,782,222
17	5. GENERAL PLANT						
18	389 Land and Land Rights						
19	390 Structures and Improvements						
20	391 Office Furniture and Equipment	6,179,752	26,255				6,206,007
21	392 Transportation Equipment	2,188,991	261,187	(97,849)			2,352,329
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	11,498,290	616,384				12,114,674
27	398 Miscellaneous Equipment	260,303					260,303
28	399 Other Tangible Property						
29	Total General Plant	20,282,514	903,826	(97,849)	0	0	21,088,491
30	Total Electric Plant in Service	237,179,943	5,234,734	(650,146)	0	0	241,764,531
31		•			Total Cost of Elect	ric Plant	241,764,531
33				Less Cost of Land,	Land Rights, Righ	ts of Way	924,799
34				Total Cost upon wh		•	240,839,732
The ab	ove figures should show the original cost of the ex	isting property. In case a	ny part of the pro				•
	be deducted from the cost of the plant. The net co						

PAGE 9 IS A BLANK PAGE

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	CON	IPARATIVE BALANCE SHEET	Assets and C	Other 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		Utility Plant - Electric (P. 17)	141,055,955	139,237,238	(1,818,717)
3	101	Utility Plant - Gas (P. 20)			
4				100.00=.000	(4.040.747)
5		Total Utility Plant	141,055,955	139,237,238	(1,818,717)
6					
7					
8 9					
10		FUND ACCOUNTS			
11	123	Investment in Affiliated Company	922,833	907,574	(15,259)
12		Construction Fund	0	0	(13,233)
13		Depreciation Fund (P. 14)	5,347,274	5,032,146	(315,128)
14		Other Special Funds	8,900,153	8,688,106	(212,047)
15		Total Funds	15,170,260	14,627,826	(542,434)
16		CURRENT AND ACCRUED ASSETS		, - ,	(- , - ,
17	131	Cash (P. 14)	3,186,417	6,276,070	3,089,653
18		Special Deposits	652,975	753,698	100,723
19	135	Working Funds	2,500	2,500	0
20	141	Notes Receivable			
21	142	Customer Accounts Receivable	3,483,536	2,280,194	(1,203,342)
22	143	Other Accounts Receivable	1,326,166	1,450,799	124,633
23	146	Receivables from Municipality	113,464	89,739	(23,725)
24	151	Materials and Supplies (P. 14)	5,061,298	4,893,491	(167,807)
25					
26		Prepayments	228,311	640,420	412,109
27	174	Miscellaneous Current Assets	4,072,912	5,229,682	1,156,770
28		Total Current and Accrued Assets	18,127,579	21,616,593	3,489,014
29		DEFERRED DEBITS			
30		Unamortized Debt Discount			
31		Extraordinary Property Losses	0.777.075	0.040.004	505 400
32	185	Other Deferred Debits	2,777,375	3,312,861	535,486
33		Total Deferred Debits	2,777,375	3,312,861	535,486
34		Total Assats and Other Debits	177 121 160	179 704 519	1 662 240
35		Total Assets and Other Debits	177,131,169	178,794,518	1,663,349

## **COMPARATIVE BALANCE SHEET** Liabilities and Other Credits

			Balance	Balance	Increase
Line		Title of Account	Beginning	End	or
No.		(a)	of Year	of Year	(Decrease)
			(b)	(c)	(d)
1		APPROPRIATIONS			
2	201	Appropriations for Construction			0
3		SURPLUS			
4	205	Sinking Fund Reserves			
5	206	Loans Repayment	48,756,500	53,611,500	4,855,000
6	207	Appropriations for Construction Repayments	46,169	46,169	0
7	208	Unappropriated Earned Surplus (P. 12)	(624,646)	968,819	1,593,465
8		Total Surplus	48,178,023	54,626,488	6,448,465
9		LONG TERM DEBT			
10	221	Bonds (P. 6)	88,410,000	80,645,000	(7,765,000)
11	224	Other Long Term Debt	0	0	O O
12	227	Obligation under Capital Lease	15,109	0	(15,109)
13	231	Notes Payable (P. 7)	0	0	0
14		Total Bonds and Notes	88,425,109	80,645,000	(7,780,109)
15		CURRENT AND ACCRUED LIABILITIES			
16	232	Accounts Payable	3,638,732	4,580,946	942,214
17	234	Payables to Municipality	0	0	0
18	235	Customers' Deposits	1,905,699	1,947,749	42,050
19	236	Taxes Accrued	0	0	0
20	237	Interest Accrued	544,040	486,940	(57,100)
21	242	Miscellaneous Current and Accrued Liabilities	179,823	141,936	(37,887)
22		Total Current and Accrued Liabilities	6,268,294	7,157,571	889,277
23		DEFERRED CREDITS			
24	251	Unamortized Premium on Debt	4,929,161	7,189,816	2,260,655
25	252	Customer Advances for Construction	0	0	0
26	253	Other Deferred Credits	801,907	1,040,968	239,061
27		Total Deferred Credits	5,731,068	8,230,784	2,499,716
28		RESERVES			
29	260	Reserves for Uncollectible Accounts	100,000	90,071	(9,929)
30	261	Property Insurance Reserve	0	0	, O
31	262	Injuries and Damages Reserves	0	0	0
32		Pensions and Benefits Reserves	19,864,600	20,309,307	444,707
33	265	Miscellaneous Operating Reserves	8,557,208	6,810,293	(1,746,915)
34		Total Reserves	28,521,808	27,209,671	(1,312,137)
35		CONTRIBUTIONS IN AID OF			,
36		CONSTRUCTION			
37	271	Contributions in Aid of Construction	6,867	925,004	918,137
38		Total Liabilities and Other Credits	177,131,169	178,794,518	1,663,349

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.

	STATEMENT OF INCOME FOR THE YEAR		
			Increase or
Line	Account	Current Year	(Decrease) from
No.	(a)	(b)	Preceding Year
			(c)
1	OPERATING INCOME		
2	400 Operating Revenues (P. 37 and 43)	65,824,074	500,040
3	Operating Expenses:	40.470.500	(0.000.407)
4	401 Operation Expense (p. 42 and 47)	43,176,502	, , , , , , , , , , , , , , , , , , , ,
5	402 Maintenance Expense	4,797,873	
6	403 Depreciation Expense	7,053,451	(153,233)
7	407 Amortization of Property Losses		l
8	408 Taxes (P. 49)		
10	Total Operating Expenses	55,027,826	(6,785,950)
11	Operating Income	10,796,248	7,285,990
12	414 Other Utility Operating Income (P. 50)	10,730,240	7,200,930
13	414 Other other operating meetine (1 : 30)		
14	Total Operating Income	10,796,248	7,285,990
15	OTHER INCOME		,,
16	415 Income from Merchandising, Jobbing,		
	and Contract Work (P. 51)	586,741	(70,247)
17	419 Interest Income	(18,164)	, , ,
18	421 Miscellaneous Nonoperating Income (P. 21)		
19	Total Other Income	568,577	(99,421)
20	Total Income	11,364,825	7,186,569
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization	(206)	(206)
23	426 Other Income Deductions	(30,524)	
24	Total Income Deductions	(30,730)	36,353
25	Income Before Interest Charges	11,395,555	7,150,216
26	INTEREST CHARGES	4 007 004	(070 750)
27	427 Interest on Bonds and Notes	4,067,201	(373,750)
28	428 Amortization of Debt Discount and Expense	(0.47.244)	(452.240)
29 30	429 Amortization of Premium on Debt - Credit 431 Other Interest Expense	(847,311) 135	(153,310) 41
31	432 Interest: Charged to Construction - Credit	133	41
32	Total Interest Charges	3,220,025	(527,019)
33	NET INCOME	8,175,530	7,677,235
	EARNED SURPLUS	2,112,000	1,011,000
Line	Account	Debits	Credits
No.	(a)	(b)	(c)
34	208 Unappropriated Earned Surplus (at beginning of period)		(624,646)
35			
36			
37	433 Balance Transferred from Income		8,175,530
38	434 Miscellaneous Credits to Surplus (P. 21)		0
39	435 Miscellaneous Debits to Surplus (P. 21)	4,855,000	
40	436 Appropriations of Surplus (P. 21)	1,727,065	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	968,819	
43	TOTALO	7.550.004	7.550.004
44	TOTALS	7,550,884	7,550,884

Year Ended December 31, 2015

Annu	•	ı ⊏naea Dece	mber 31, 2015
	CASH BALANCES AT END OF YEAR		Page 14
Line	Items		Amount
No.	(a)		(b)
1	Operation Fund		6,276,070
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12		TOTAL	6,276,070
MATE	RIALS AND SUPPLIES (Accounts 151-159, 163)		
	Summary per Balance Sheet		
	7.1	Amount End	of Year
Line	Account	Electric	Gas
No.	(a)	(b)	(c)
	Fuel (Account 151 ) (See Schedule, Page 25)	(10)	(0)
	Fuel Stock Expenses (Account 152)		
	Residuals (Account 153)		
	Plant Materials and Operating Supplies (Account 154 (151))	4,893,491	
	Merchandise (Account 155)	4,000,401	
	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)		
		4 902 401	0
23 DEI	Total Per Balance Sheet PRECIATION FUND ACCOUNT (Account 126)	4,893,491	0
	RECIATION FUND ACCOUNT (ACCOUNT 126)		Λ t
Line	(-)		Amount
No.	(a)		(b)
24			5 0 47 07 4
	Balance of account at beginning of year		5,347,274
	Income during year from balance on deposit (interest)		12,241
	Amount transferred from income (depreciation)		3,548,831
28		T0.T4.	0.000.040
29	0050170	TOTAL	8,908,346
	CREDITS		
	Amount expended for construction purposes (Sec. 57,C.164 of	G.L.)	3,876,200
	Amounts expended for renewals,viz:-		
	Power Contract Settlement		
34			
35			
36			
37			
38			
39	Balance on hand at end of year		5,032,146
40		TOTAL	8,908,346

- 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

#### **UTILITY PLANT - ELECTRIC**

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).

Line No.         Account (a)         Beginning of Year (b)         Additions (c)         Depreciation (d)         Other Credits (f)           1         1. INTANGIBLE PLANT         0         0         0         0         0           2         3         0         0         0         0         0         0           5         2. PRODUCTION PLANT         0		ansfers End of Yea	
No.         (a)         (b)         (c)         (d)         (e)         (f)           1         1. INTANGIBLE PLANT         0	(f)	(f) (g)	0
1 1. INTANGIBLE PLANT  1 2 3 0 0 0 0 0 0  5 2. PRODUCTION PLANT 6 A. Steam Production 7 310 Land and Land Rights 631,438 0 8 311 Structures and Improvements 2,560,534 20,370 520,534 9 312 Boiler Plant Equipment 12,456 0 10 313 Engines and Engine Driven Generators 11 314 Turbogenerator Units 0 0 0 0 12 315 Accessory Electric Equipment 563,536 0 100,115 13 316 Miscellaneous Power Plant Equipment 293,230 100,111 29,695 15 Total Steam Production Plant 4,061,194 120,481 650,414 0			
2 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(	0	
3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(	0	
4       0       0       0       0         5       2. PRODUCTION PLANT       0       0       0         6       A. Steam Production       631,438       0         7       310 Land and Land Rights       631,438       0         8       311 Structures and Improvements       2,560,534       20,370       520,534         9       312 Boiler Plant Equipment       12,456       0         10       313 Engines and Engine Driven Generators       0       0       0         11       314 Turbogenerator Units       0       0       0         12       315 Accessory Electric Equipment       563,536       0       100,185         13       316 Miscellaneous Power Plant Equipment       293,230       100,111       29,695         15       Total Steam Production Plant       4,061,194       120,481       650,414       0	(	0	
5       2. PRODUCTION PLANT         6       A. Steam Production         7       310 Land and Land Rights       631,438       0         8       311 Structures and Improvements       2,560,534       20,370       520,534         9       312 Boiler Plant Equipment       12,456       0         10       313 Engines and Engine Driven Generators       0       0       0         11       314 Turbogenerator Units       0       0       0         12       315 Accessory Electric Equipment       563,536       0       100,115         13       316 Miscellaneous Power Plant Equipment       293,230       100,111       29,695         15       Total Steam Production Plant       4,061,194       120,481       650,414       0	(	0	Λ
6       A. Steam Production         7       310 Land and Land Rights       631,438       0         8       311 Structures and Improvements       2,560,534       20,370       520,534         9       312 Boiler Plant Equipment       12,456       0         10       313 Engines and Engine Driven Generators       0       0       0         11       314 Turbogenerator Units       0       0       0         12       315 Accessory Electric Equipment       563,536       0       100,185         13       316 Miscellaneous Power Plant Equipment       293,230       100,111       29,695         15       Total Steam Production Plant       4,061,194       120,481       650,414       0			U
7       310 Land and Land Rights       631,438       0         8       311 Structures and Improvements       2,560,534       20,370       520,534         9       312 Boiler Plant Equipment       12,456       0         10       313 Engines and Engine Driven Generators       0       0         11       314 Turbogenerator Units       0       0         12       315 Accessory Electric Equipment       563,536       0       100,185         13       316 Miscellaneous Power Plant Equipment       293,230       100,111       29,695         15       Total Steam Production Plant       4,061,194       120,481       650,414       0			
8       311 Structures and Improvements       2,560,534       20,370       520,534         9       312 Boiler Plant Equipment       12,456       0         10       313 Engines and Engine Driven Generators       0       0         11       314 Turbogenerator Units       0       0         12       315 Accessory Electric Equipment       563,536       0       100,185         13       316 Miscellaneous Power Plant Equipment       293,230       100,111       29,695         15       Total Steam Production Plant       4,061,194       120,481       650,414       0			
9 312 Boiler Plant Equipment 12,456 0 10 313 Engines and Engine Driven Generators 11 314 Turbogenerator Units 0 0 0 12 315 Accessory Electric Equipment 563,536 0 100,185 13 316 Miscellaneous Power Plant Equipment 293,230 100,111 29,695 15 Total Steam Production Plant 4,061,194 120,481 650,414 0		631	,438
10       313 Engines and Engine Driven Generators         11       314 Turbogenerator Units       0       0       0         12       315 Accessory Electric Equipment       563,536       0       100,185         13       316 Miscellaneous Power Plant Equipment       293,230       100,111       29,695         15       Total Steam Production Plant       4,061,194       120,481       650,414       0		2,060,	,370
11       314 Turbogenerator Units       0       0       0         12       315 Accessory Electric Equipment       563,536       0       100,185         13       316 Miscellaneous Power Plant Equipment       293,230       100,111       29,695         15       Total Steam Production Plant       4,061,194       120,481       650,414       0		12	2,456
12       315 Accessory Electric Equipment       563,536       0       100,185         13       316 Miscellaneous Power Plant Equipment       293,230       100,111       29,695         15       Total Steam Production Plant       4,061,194       120,481       650,414       0			
13       316 Miscellaneous Power Plant Equipment       293,230       100,111       29,695         15       Total Steam Production Plant       4,061,194       120,481       650,414       0			0
15 Total Steam Production Plant 4,061,194 120,481 650,414 0		463	3,351
		363	3,646
	(	0 3,531,	,261
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	9,384,912	38,326	358,242			9,064,996		
13	342 Fuel Holders, Producers and Accessories	7,844,717	7,939	312,157			7,540,499		
14	343 Prime Movers	21,714,157	0	829,200			20,884,957		
15	344 Generators	36,147,264	0	1,413,327		0	34,733,937		
16	345 Accessory Electric Equipment	11,464,925	0	437,571			11,027,354		
17	346 Miscellaneous Power Plant Equipment	1,879,090	0	71,241			1,807,849		
18	Total Other Production Plant	88,435,065	46,265	3,421,738	0	0	85,059,592		
19	Total Production Plant	92,496,259	166,746	4,072,152	0	0	88,590,853		
20	<ol><li>Transmission Plant</li></ol>								
21	350 Land and Land Rights	258,361	0	11,427			246,934		
22	351 Clearing Land and Rights of Way	0	0	0			0		
23	352 Structures and Improvements	1,203,717	92,124	92,966			1,202,875		
24	353 Station Equipment	6,463,740	2,462,332	390,197			8,535,875		
25	354 Towers and Fixtures	276,129	0	23,695			252,434		
26	355 Poles and Fixtures	0		0			0		
27	356 Overhead Conductors and Devices	2,092,388	0	84,918			2,007,470		
28	357 Underground Conduit	590,154	0	94,017			496,137		
29	358 Underground Conductors and Devices	1,153,293	82,579	99,635			1,136,237		
30	359 Roads and Trails	0		0			0		
31	Total Transmission Plant	12,037,782	2,637,035	796,855	0	0	13,877,962		

	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		
3	361 Structures and Improvements	1,565,154	13,641	69,584			1,509,211		
4	362 Station Equipment	3,628,112	77,956	184,071			3,521,997		
5	363 Storage Battery Equipment	0							
6	364 Poles Towers and Fixtures	1,761,435	382,146	116,819			2,026,762		
7	365 Overhead Conductors and Devices	35,392	314,538	115,209			234,721		
8	366 Underground Conduit	2,371,338	4,930	276,509			2,099,759		
9	367 Underground Conductors and Devices	5,766,596	530,304	332,745			5,964,155		
10	368 Line Transformers	3,767,983	150,165	255,137			3,663,011		
11	369 Services	0	0	0			0		
12	370 Meters	3,933,148	25,249	156,113			3,802,284		
13	371 Installations on Customer's Premises	126,504	0	15,583			110,921		
14	372 Leased Prop on Customer's Premises	0							
15	373 Streetlight and Signal Systems	713,085	28,198	32,157			709,126		
16	Total Distribution Plant	23,668,747	1,527,127	1,553,927	0	0	23,641,947		
17	5. GENERAL PLANT								
18	389 Land and Land Rights								
19	390 Structures and Improvements								
20	391 Office Furniture and Equipment	3,346,033	26,255	192,936			3,179,352		
21	392 Transportation Equipment	1,931,387	261,187	68,342			2,124,232		
22	393 Stores Equipment	20,081	0	1,703			18,378		
23	394 Tools, Shop and Garage Equipment								
24	395 Laboratory Equipment	0	0				0		
25	396 Power Operated Equipment	7,125	0	425			6,700		
26	397 Communication Equipment	7,412,787	616,384	358,984			7,670,187		
27	398 Miscellaneous Equipment	135,754	0	8,127			127,627		
28	399 Other Tangible Property	0							
29	Total General Plant	12,853,167	903,826	630,517	0	0	13,126,476		
30	Total Electric Plant in Service	141,055,955	5,234,734	7,053,451	0	0	139,237,238		
31	104 Utility Plant Leased to Others								
32	105 Property Held for Future Use								
33	107 Construction Work in Progress						0		
34	Total Utility Plant Electric	141,055,955	5,234,734	7,053,451	0	0	139,237,238		

## 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.

				Kinds of Fuel and 0	Dil	
		Total				
Line	Item	Cost	Quantity	Cost	Quantity	Cost
No.	(a)	(b)	(c)	(d)	(e)	(f)
1	On Hand Beginning of Year					
2	Received During Year					
3	TOTAL	0				
4	Used During Year (Note A)					
5						
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF	0				
13	BALANCE END OF YEAR	0		10 1 15 1 17		
				Kinds of Fuel and 0	- continued	
Line	Item		Quantity	Cost	Quantity	Cost
No.	(g)		(h)	(i)	(j)	(k)
14	On Hand Beginning of Year		(1.7)	(')	U)	(11)
15	Received During Year					
16	TOTAL					
17	Used During Year (Note A)					
18						
19						
20						
21						
22						
23						
24	Sold or Transferred					
25	TOTAL DISPOSED OF					
26	BALANCE END OF YEAR					

Year Ended December 31, 2015

	MISCELLANEOUS NONOPERATING INCOME (Account 421)	Page 21
Line	Item	Amount
No	(a)	(b)
1 2		
3		
4		
5		
6	OTHER INCOME DEDUCTIONS (Account 426)	<b>AL</b> 0
Line	Item	Amount
No.	(a)	(b)
7		, ,
8		
9 10		
11		
12		
13		
14	MISCELLANEOUS CREDITS TO SURPLUS (Account 434)	<b>AL</b> 0
Line	Item	Amount
No.	(a)	(b)
15		, ,
16		
17		
18 19		
20		
21		
22	T01	
23	TOT MISCELLANEOUS DEBITS TO SURPLUS (Account 435)	<b>AL</b> 0
Line		Amount
No.	(a)	(b)
	Premium Bond Payments	4,855,000
25 26		
27		
28		
29		
30		
31 32	TO1	<b>AL</b> 4,855,000
	APPROPRIATIONS OF SURPLUS (Account 436)	1,000,000
Line	Item	Amount
No.	(a)	(b)
33	In Lieu of Tax Payments to Town	1,727,065
35		
36		
37		
38 39		
40	TO1	<b>AL</b> 1,727,065

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## **MUNICIPAL REVENUES (Account 482,444)**

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

Line No.	Acct. No.	Gas Schedule (a)		Cubic Feet (b)	Revenue Received (c)	Average Revenue Per MCF (cents) (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)		11,278,275	1,690,074	0.1499
6 7						
8			TOTALS	11,278,275	1,690,074	0.1499
9	444-1	Street Lighting		3,270,909	491,839	0.1504
10		-				
11						
12			TOTALS	3,270,909	491,839	0.1504
13			TOTALS	14,549,184	2,181,913	0.1500

## **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	13,487,948	431,534	0.0320
21	MMWEC Seabrook	Substation	58,171,418	3,908,034	0.0672
22	Energy New England	Braintree, MA	244,062,145	15,555,060	0.0637
23	ISO New England Interchange		46,210,750	9,229,574	0.1997
24	Northeast Utilites			10,292	
25	Other Power			12,929	
26	Rate Stabiliation			(1,808,764)	
27	National Grid			155,158	
28	Renewable Energy Credits			(823,298)	
29	PTF Credits			(2,135,225)	
30	Fwd Reserve Credits			65,441	
31	Ameresco - Solar			157,426	
32					
33					
34		TOTALS	361,932,261	24,758,161	0.0684

#### **SALES FOR RESALE (Account 447)**

	Names of Utilities				Revenue per
Line	to Which Electric	Where and at What	K.W.H	Amount	KWH (cents)
No.	Energy is sold	Voltage Delivered	(c)	(d)	(0.0000)
	(a)	(b)			(e)
32	Hingham Municipal Light (Potter)	Grove Street	0	123,788	0.0000
33	North Attleboro Electric Dept. (Potter)	Substation	0	280,449	0.0000
34	Hingham Municipal Light (Watson)	Braintree, MA	4,034,023	1,766,914	0.4380
35	Concord Municipal (Watson)	115KV	3,529,770	1,546,049	0.4380
36	Taunton Municipal Light (Watson)		4,034,023	1,766,914	0.4380
37	Wellesley Municipal Light (Watson)		4,034,023	1,766,914	0.4380
38	Reading Municipal Light (Watson)		4,034,023	1,766,914	0.4380
39	Chicopee Electric Light (Watson)		4,034,023	1,766,914	0.4380
40	New Hampshire Electric Coop (Watso	on)	4,538,278	1,975,172	0.4352
41		TOTALS	28,238,163	12,760,028	0.4519

Next page is 37

- 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 s 4. Unmetered sales should be included below. The details of such be counted for each group of meters so added. The average r 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 classific Large (or Industrial) may be according to the basis of classification includes customers counted more than once because of specialegularly 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.

motors, p	ius number of late rate accounts except where separate	Operating I		Kilowatt-hours Sola			
						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)	(b)	(c)	(d)	(e)	(f)	(g)
1	SALES OF ELECTRICITY						
2	440 Residential Sales	16,744,556	1,342,098	120,727,382	2,641,076	13,664	65
3	442 Commercial and Industrial Sales						
4	Small Commercial B Sales	29,706,690	651,284	201,846,611	(1,671,550)	2,418	40
5	Large Commercial C Sales	3,098,399	(125,336)	23,067,168	(1,900,526)	7	0
6	444 Municipal Sales	1,596,776	61,012	11,278,275	496,937	122	2
7	445 Street Lighting	491,839	(30,001)	3,270,909	(87,879)		
8	446 Sales to Railroads and Railways						
9	448 Interdepartmental Sales					209	4
10	449 Miscellaneous Sales	112,809	6,122	923,884	37,207		(205)
11	<b>Total Sales to Ultimate Consumers</b>	51,751,069	1,905,179	361,114,229	(484,735)	16,420	111
12	447 Sales for Resale	12,760,028	(2,224,696)	28,238,163	(24,667,619)	9	0
13	Total Sales of Electricity*	64,511,097	(319,517)	389,352,392	(25,152,354)	16,429	111
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 \$	\$180,789.28
18	454 Rent from Electric Property	499,368	9,852				
19	455 Interdepartmental Rents						
20	456 Other Electric Revenues	110,281	7,627	7 Total KWH to which applied 356,91			356,919,436
21							
22	ISP Revenues						
23	Miscellaneous Adjustments to Sales	703,328	802,078				
24	·						
25	Total Other Operating Revenues	1,312,977	819,557				
26	Total Electric Operating Revenue	65,824,074	500,040				

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#### 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 contract. Municipal sales, contract sales and unbilled sales may be reported separately in total.

			<u>'                                      </u>				
					Average Revenue	Number of Co	ustomers
Line	Account	Schedule	K.W.H.	Revenue	per KWH	(per Bills re	
No.	No.	(a)	(b)	(c)	(cents)	July 31	Dec 31
					(0.0000)	(e)	(f)
					(d)		
1	440	A1 Residential	113,587,809	15,789,029	0.1390	13,041	13,054
2		A1C Controlled Water Heating	7,139,573	955,527	0.1338	630	610
3		DG1 Distributed Generation	18,619	(1,527)	(0.0820)	10	10
4		DG2 Distributed Generation	454,010	27,599	0.0608	4	4
5	442	G1 Small General Service	70,126,799	11,234,766	0.1602	2,202	2,229
6		G2 Large General Service	110,418,429	15,580,578	0.1411	152	152
7		H1 Commercial Heating and Cooling	20,828,754	2,865,274	0.1376	23	23
8		P1 Industrial	23,067,168	3,098,399	0.1343	7	7
9	444	MG1 Municipal	2,419,048	385,999	0.1596	106	107
10		MG2 Municipal	7,024,507	979,137	0.1394	12	12
11		MH1 Municipal	1,834,720	231,640	0.1263	3	3
12		Street Lighting	3,270,909	491,839	0.1504	1	1
13		L1 Area Lighting	923,884	112,809	0.1221	207	208
		LES TO ULTIMATE	261 114 220	51 7F1 0C0	0.1433	16 200	16 420
	CONSUME	ERS (page 37 Line 11)	361,114,229	51,751,069	0.1433	16,398	16,420

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## ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Enter in the space proved the operation and maintenance expenses for the year
 If the increases and decreases are not derived from previously reported figures, explain in footnote

	2. If the increases and decreases are not derived from previously reported figures, explain in footnote						
			Increase or				
	Account	Amount for Year	(Decrease) from				
Line	(a)	(b)	Preceding Year				
No.	• ,	, ,	(c)				
1	POWER PRODUCTION EXPENSES		X /				
2	STEAM POWER GENERATION						
3	Operation:						
4	500 Operation supervision and engineering	260,164	61,767				
5	501 Fuel	106,947	(2,127,869)				
6	502 Steam Expenses	580,155	(38,005)				
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	947,266	(2,104,107)				
13	Maintenance:	947,200	(2,104,107)				
14		0	0				
	510 Maintenance supervision and engineering	=	(11.957)				
15	511 Maintenance of Structures	428,062	(11,857)				
16	512 Maintenance of boiler plant	237,031	13,082				
17	513 Maintenance of electric plant	267,412	9,002				
18	514 Maintenance of miscellaneous steam plant	138,709	4,911				
19	Total Maintenance	1,071,214	15,138				
20	Total power production expenses -steam power	2,018,480	(2,088,969)				
21	NUCLEAR POWER GENERATION						
22	Operation:						
23	517 Operation supervision and engineering		0				
24	518 Fuel		0				
25	519 Coolants and water		0				
26	520 Steam Expenses		0				
27	521 Steam from other sources		0				
28	522 Steam transferred Cr.		0				
29	523 Electric expenses		0				
30	524 Miscellaneous nuclear power expenses		0				
31	525 Rents		0				
32	Total Operation	0	0				
33	Maintenance:						
34	528 Maintenance supervision and engineering		0				
35	529 Maintenance of Structures		0				
36	530 Maintenance of reactor plant		0				
37	531 Maintenance of electric plant		0				
38	532 Maintenance of miscellaneous nuclear plant		0				
39	Total Maintenance	0	0				
40	Total power production expenses -nuclear power	0	0				
41	HYDRAULIC POWER GENERATION						
42	Operation:						
43	535 Operation supervision and engineering		0				
44	536 Water for power		0				
45	537 Hydraulic expenses		0				
46	538 Electric expenses		0				
47	539 Miscellaneous hydraulic power generation expenses		0				
48	540 Rents		0				
49	Total Operation	0	0				
.01	. J	ı	<u> </u>				

Annua	al Report of the Town of Braintree Year	r Ended December 31, 2015	Page 40
	ELECTRIC OPERATION AND MAINTENANCE EXPENSES	- Continued	
			Increase or
Line	Account	Amount for Year	(Decrease) from
No.	(a)	(b)	Preceding Year
INO.	(a)	(b)	
	LIVER ALL IO DOWER OF MER ATION OF A		(c)
1	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
1	OTHER POWER GENERATION	0	0
10			
11	Operation:		(, - ,-)
12	546 Operation supervision and engineering	207,523	(1,047)
13	547 Fuel	2,597,831	(4,011,256)
14	548 Generation Expenses	1,205,133	350,055
15	549 Miscellaneous other power generation expense	215,033	(158,292)
16	550 Rents	0	0
17	Total Operation	4,225,520	(3,820,540)
18	Maintenance:	1,==0,0=0	(0,0=0,0.0)
19	551 Maintenance supervision and engineering	0	0
20	552 Maintenance of Structures	690,170	121,351
21	553 Maintenance of generating and electric plant	1,094,365	(50,873)
22	554 Maintenance of miscellaneous other power generation plant	22,287	6,680
23	Total Maintenance	1,806,822	77,158
24	Total power production expenses - other power	6,032,342	(3,743,382)
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased power	24,758,161	(618,935)
27	556 System control and load dispatching	0	0
28	557 Other expenses	259,737	7,645
29	Total other power supply expenses	25,017,898	(611,290)
30	Total power production expenses	33,068,720	(6,443,641)
31	TRANSMISSION EXPENSES	00,000,120	(0, 110,011)
32	Operation:		
	•		0
33	560 Operation supervision and engineering	0	0
34	561 Load dispatching	0	0
35	562 Station expenses	0	0
36	563 Overhead line expenses	0	0
37	564 Underground line expenses	0	0
38	565 Transmission of electricity by others	0	0
39	566 Miscellaneous transmission expenses	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
			_
45	570 Maintenance of station equipment	205,554	76,521
46	571 Maintenance of overhead lines	0	0
47	572 Maintenance of underground lines	32,101	(18,190)
48	573 Maintenance of miscellaneous transmission plant	39,858	(17,308)
49	Total maintenance	277,513	41,023
50	Total transmission expenses	277,513	41,023

Increase or   Checreses   Ch	Ailiua	ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Co	entinued	raye 41
Line   Account		ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CO	Intinued	Incress or
No.   Care   C		A	A	
DISTRIBUTION EXPENSES	1			
DISTRIBUTION EXPENSES   Coperation:	No.	(a)	(b)	
S80 Operation:   20,634   581 Load dispatching (Operation Labor)				(c)
3 580 Operation supervision and engineering         215,201         20,634           4 581 Load dispatching (Operation Labor)         0         0           582 Station expenses         0         0           6 583 Overhead line expenses         132,137         39,573           584 Underground line expenses         133,291         7,538           585 Street lighting and signal system expenses         21,081         9,088           586 Meter expenses         21,081         9,088           587 Customer installations expenses         21,081         9,088           587 Street lighting and signal system expenses         133,291         7,538           587 Customer installations expenses         21,081         9,088           588 Street lighting and signal systems         0         0           589 Rents         0         0         0           598 Rents         0         0         0           598 Rents         0         0         0           599 Maintenance of structures         0         0         0           591 Maintenance of structures         0         0         0           592 Maintenance of or or or head lines         1,670,643         126,851           593 Maintenance or or meters         83,911	1	DISTRIBUTION EXPENSES		
4         581 Load dispatching (Operation Labor)         0         0         0           582 Station expenses         10         0         0           6         583 Overhead line expenses         132,137         39,573           7         584 Underground line expenses         133,291         7,538           9         586 Meter expenses         21,081         9,088           1         587 Customer installations expenses         21,081         9,088           587 Customer installations expenses         171,807         (115,807)           588 Miscellaneous distribution expenses         171,807         (115,807)           589 Rents         0         0         0           10         Total operation         673,517         (38,974)           4         Maintenance of structures         0         0           591 Maintenance of structures         0         0         0           592 Maintenance of structures         1,670,643         122,681           593 Maintenance of ine transformers         (3,230)         (4,060)           2595 Maintenance of ine transformers         (3,323)         (4,060)           2597 Maintenance of meters         287,192         21,988           598 Maintenance of miscellaneous distri	2	Operation:		
4         581 Load dispatching (Operation Labor)         0         0         0           562 Station expenses         10         0         0           683 Overhead line expenses         132,137         39,573           7 584 Underground line expenses         133,291         7,538           9 585 Street lighting and signal system expenses         21,081         9,088           1 587 Customer installations expenses         21,081         9,088           1 588 Miscellaneous distribution expenses         171,807         (115,807)           588 Rents         0         0         0           1 Total operation         673,517         (38,974)           4 Maintenance supervision and engineering         127,996         15,840           591 Maintenance of structures         0         0           592 Maintenance of station equipment         277,074         112,229           593 Maintenance of station equipment         1,670,643         126,851           594 Maintenance of structures         893,911         3,947           595 Maintenance of structures         893,911         3,947           595 Maintenance of structures         893,911         3,947           595 Maintenance of structures         893,941         3,947           595	3	580 Operation supervision and engineering	215,201	20,634
5         582 Station expenses         0         0           6         583 Overhead line expenses         0         0           7         584 Underground line expenses         0         0           8         585 Street lighting and signal system expenses         21,081         9,088           586 Meter expenses         21,081         9,088           587 Customer instalations expenses         21,081         9,088           15 589 Miscellaneous distribution expenses         171,807         (115,807)           15 589 Rents         0         0         0           590 Maintenance:         0         0         0           591 Maintenance of structures         0         0         0           693 Maintenance of structures         0         0         0           693 Maintenance of uverhead lines         1,670,643         126,851           594 Maintenance of uverhead lines         89,311         39,274           20         593 Maintenance of underground lines         89,314         39,274           20         595 Maintenance of ine transformers         (3,230)         (4,66)           25 597 Maintenance of miscellaneous distribution plant         162,266         (59,609)           25 598 Maintenance of miscellaneous dist	4	· · · · · · · · · · · · · · · · · · ·	0	
6         583 Overhead line expenses         0         0         0           7         584 Underground line expenses         0         0         0           8         585 Street lighting and signal system expenses         21,081         9,088           10         587 Customer installations expenses         0         0           11         588 Miscellaneous distribution expenses         171,807         (115,807)           12         588 Pents         0         0         0           13         Total operation         673,517         (38,974)           44         Maintenance supervision and engineering         127,996         15,840           590 Maintenance supervision and engineering         127,996         15,840           691 Maintenance of structures         0         0           592 Maintenance of structures         10         0           593 Maintenance of structures         80,9311         39,274           595 Maintenance of structures         839,3911         39,274           595 Maintenance of street lighting and signal systems         125,304         4,060           25 97 Maintenance of meters         287,192         21,988           598 Maintenance of miscellaneous distribution plant         162,266         (59,809) </td <td>1</td> <td></td> <td>0</td> <td>0</td>	1		0	0
7         584 Underground line expenses         0         0           8         585 Exreet lighting and signal system expenses         21,081         9,088           9         586 Meter expenses         21,081         9,088           10         587 Customer installations expenses         0         0         0           15         588 Miscellaneous distribution expenses         171,807         (115,807)           589 Rents         0         0         0         0           590 Maintenance:         0         0         0         0           590 Maintenance:         0         0         15,840         0         120         0           591 Maintenance of structures         0         0         120         0 <td>1</td> <td></td> <td>132 137</td> <td>39 573</td>	1		132 137	39 573
8         585 Street lighting and signal system expenses         21,081         9,088           9         586 Meter expenses         21,081         9,088           10         587 Customer installations expenses         0         0         0           11         588 Miscellaneous distribution expenses         171,807         (I15,807)         (115,807)           12         588 Miscellaneous distribution expenses         0         0         0           13         Total operation         673,517         (38,974)           44         Maintenance         187,996         15,840           591 Maintenance of structures         0         0         0           591 Maintenance of structures         16,70,643         126,851           593 Maintenance of structures         839,911         39,274           595 Maintenance of street lighting and signal systems         16,604         4,600           2597 Maintenance of meters         28,391         4,600           2597 Maintenance of mierce         3,341,156         254,173           25         598 Maintenance of mierce         3,541,156         254,173           25         597 Maintenance of mierce         3,541,156         254,173           26         CUSTOMER ACCOUNTS EXPENSES <td>1</td> <td>·</td> <td></td> <td>_</td>	1	·		_
9         586 Meter expenses         21,081         9,08           0         587 Customer installations expenses         0         0         0           11         588 Miscellaneous distribution expenses         171,807         (115,807)         0         0         0           13         Total operation         673,517         (38,974)         0         0         0           590 Maintenance:         0         0         0         0         0         0           591 Maintenance supervision and engineering         127,996         15,840         6         591 Maintenance of structures         0		· · · · · · · · · · · · · · · · · · ·	-	-
10			-	
11         588 Miscellaneous distribution expenses         171,807         (115,807)           12         589 Rents         0         0           30         Total operation         673,517         (38,974)           44         Maintenance:         0         0         0           590 Maintenance of structures         0         0         0         0           592 Maintenance of station equipment         277,074         112,229         126,851         15,840         16,670,643         126,851         19,934         139,341         19,770         112,229         10,851         19,934         126,851         139,393         139,274         112,229         128,851         139,393         139,274         112,229         129,881         19,391         39,274         4,660         15,840         16,660         15,840         16,660         15,840         16,662         15,940         16,662         15,940         16,681         12,681         13,541         16,662         15,840         16,662         15,840         16,662         15,840         16,662         15,840         16,662         15,840         16,662         15,840         16,662         15,840         16,662         15,840         16,662         15,840         17,113	1	·		*
12   589 Rents		·		-
Total operation				(115,807)
Maintenance:			_	(22.27.1)
15         590 Maintenance supervision and engineering         127,996         15,840           16         591 Maintenance of structures         0         0           17         592 Maintenance of structures         277,074         112,229           18         593 Maintenance of voverhead lines         1,670,643         128,851           19         594 Maintenance of underground lines         89,391         39,274           295 Maintenance of line transformers         (3,230)         (6,460)           21         596 Maintenance of interest lighting and signal systems         125,304         4,060           25         597 Maintenance of meters         287,192         21,988           23         598 Maintenance of miscellaneous distribution plant         162,266         (59,609)           24         Total distribution expenses         4,214,673         215,199           25         Total distribution expenses         4,214,673         215,199           26         CUSTOMER ACCOUNTS EXPENSES         0         0           29         902 Meter reading expenses         0         0           30         903 Customer records and collection expenses         750,761         8,535           31         904 Uncollectible accounts         44,250         10,404			6/3,51/	(38,974)
16         591 Maintenance of structures         0         0           17         592 Maintenance of station equipment         277,074         112,229           18         593 Maintenance of overhead lines         1,670,643         126,851           19         594 Maintenance of underground lines         893,911         39,274           595 Maintenance of line transformers         (3,230)         (6,460)           21         596 Maintenance of street lighting and signal systems         125,304         4,060           25         597 Maintenance of miscellaneous distribution plant         162,266         (59,609)           24         Total maintenance         3,541,156         254,173           25         Total distribution expenses         4,214,673         215,199           26         CUSTOMER ACCOUNTS EXPENSES         0         0         0           29         202 Meter reading expenses         750,761         8,535           30         903 Customer records and collection expenses         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         795,011         18,944           34         SALES EXPENSES         0 <t< td=""><td></td><td></td><td></td><td></td></t<>				
17         592 Maintenance of station equipment         277,074         112,229           18         593 Maintenance of vorhead lines         1,670,643         126,851           19         594 Maintenance of underground lines         883,911         39,274           20         595 Maintenance of line transformers         (3,230)         (6,460)           21         596 Maintenance of interes         287,192         21,988           23         598 Maintenance of miscellaneous distribution plant         162,266         (59,609)           24         Total maintenance         3,541,156         254,173           25         Total distribution expenses         4,214,673         215,199           26         CUSTOMER ACCOUNTS EXPENSES         0         0           27         Operation:         0         0         0           28         901 Supervision         0         0         0           29         202 Meter reading expenses         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         795,011         18,944           34         SALES EXPENSES         0         0         0	1	·	127,996	15,840
18         593 Maintenance of overhead lines         1,670,643         126,851           19         594 Maintenance of underground lines         833,911         39,274           20         595 Maintenance of line transformers         (3,230)         (6,460)           21         596 Maintenance of street lighting and signal systems         125,304         4,060           25         597 Maintenance of miscellaneous distribution plant         162,266         (59,609)           24         Total maintenance         3,541,156         254,173           25         Total distribution expenses         4,214,673         215,199           26         CUSTOMER ACCOUNTS EXPENSES         0         0           27         Operation:         0         0         0           28         901 Supervision         0         0         0           30         Quatomer records and collection expenses         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         795,011         18,944           34         SALES EXPENSES         0         0         0           35         Operation:         0         0         0 </td <td>16</td> <td>591 Maintenance of structures</td> <td>0</td> <td>0</td>	16	591 Maintenance of structures	0	0
19         594 Maintenance of underground lines         893,911         39.274           20         595 Maintenance of line transformers         (3,230)         (6,460)           21         596 Maintenance of street lighting and signal systems         125,304         4,060           22         597 Maintenance of meters         287,192         21,988           23         598 Maintenance of miscellaneous distribution plant         162,266         (59,609)           24         Total maintenance         3,541,156         254,173           25         Total distribution expenses         4,214,673         215,199           26         CUSTOMER ACCOUNTS EXPENSES         0         0           Operation:         901 Supervision         0         0           39         902 Meter reading expenses         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         795,011         18,944           34         SALES EXPENSES         0         0           Operation:         0         0         0           36         911 Supervision         0         0         0           37         912 Demonstrati	17	592 Maintenance of station equipment	277,074	112,229
20         595 Maintenance of line transformers         (3,230)         (6,460)           21         596 Maintenance of street lighting and signal systems         125,304         4,060           22         597 Maintenance of meters         287,192         21,988           23         598 Maintenance of miscellaneous distribution plant         162,266         (59,609)           24         Total maintenance         3,541,156         254,173           25         Total distribution expenses         4,214,673         215,199           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         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         795,011         18,944           34         SALES EXPENSES         0         0           35         Operation:         0         0           36         911 Supervision         0         0           39         916 Miscellaneous sales expenses	18	593 Maintenance of overhead lines	1,670,643	126,851
20         595 Maintenance of line transformers         (3,230)         (6,460)           21         596 Maintenance of street lighting and signal systems         125,304         4,060           22         597 Maintenance of meters         287,192         21,988           23         598 Maintenance of miscellaneous distribution plant         162,266         (59,609)           24         Total maintenance         3,541,156         254,173           25         Total distribution expenses         4,214,673         215,199           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         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         795,011         18,944           34         SALES EXPENSES         0         0           35         Operation:         0         0           36         911 Supervision         0         0           39         916 Miscellaneous sales expenses	19	594 Maintenance of underground lines	893,911	39,274
21         596 Maintenance of meters         287,192         21,988           22         597 Maintenance of meters         287,192         21,988           23         598 Maintenance of miscellaneous distribution plant         162,266         (59,609)           24         Total maintenance         3,541,156         254,173           25         Total distribution expenses         4,214,673         215,199           26         CUSTOMER ACCOUNTS EXPENSES         0         0           27         Operation:         0         0           28         901 Supervision         0         0           30         902 Meter reading expenses         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         795,011         18,944           34         SALES EXPENSES         795,011         18,944           34         SALES EXPENSES         795,011         10,4854           35         Operation:         0         0           36         911 Supervision         0         0         0           39         912 Demonstrating and selling expenses         515,510         104,854	20		(3,230)	
22         597 Maintenance of meters         287,192         21,988           23         598 Maintenance of miscellaneous distribution plant         162,266         (59,609)           24         Total maintenance         3,541,156         224,11,156           25         Total distribution expenses         4,214,673         215,199           26         CUSTOMER ACCOUNTS EXPENSES         0         0           7         Operation:         0         0           28         901 Supervision         0         0           30         903 Customer records and collection expenses         750,761         8,535           31         904 Uncollectible accounts expenses         750,761         8,535           31         904 Uncollectible accounts expenses         0         0           32         905 Miscellaneous customer accounts expenses         795,011         18,944           34         SALES EXPENSES         795,011         18,944           35         Operation:         0         0           35         Operation:         0         0           39         912 Demonstrating and selling expenses         515,510         104,854           38         913 Advertising expenses         515,510         10	21	596 Maintenance of street lighting and signal systems	, ,	,
23         598 Maintenance of miscellaneous distribution plant         162,266         (59,609)           24         Total maintenance         3,541,156         254,173           25         Total distribution expenses         4,214,673         215,199           26         CUSTOMER ACCOUNTS EXPENSES         3,541,156         254,173           27         Operation:         0         0           28         901 Supervision         0         0         0           30         902 Meter reading expenses         0         0         0           30         903 Customer records and collection expenses         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         795,011         18,944           34         SALES EXPENSES         95,011         18,944           34         SALES EXPENSES         913         0         0           35         Operation:         0         0         0           36         911 Supervision         0         0         0           37         912 Demonstrating and selling expenses         515,510         104,854           38				
24         Total maintenance         3,541,156         254,173           25         Total distribution expenses         4,214,673         215,199           26         CUSTOMER ACCOUNTS EXPENSES         0         0           27         Operation:         0         0         0           28         901 Supervision         0         0         0           30         903 Customer records and collection expenses         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         0         0         0           31         Total customer accounts expenses         795,011         18,944         944	1			
Total distribution expenses		·		
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         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         0         0           33         Total customer accounts expenses         795,011         18,944           34         SALES EXPENSES         795,011         18,944           35         Operation:         0         0           36         911 Supervision         0         0         0           37         912 Demonstrating and selling expenses         515,510         104,854           38         913 Advertising expenses         0         0           39         916 Miscellaneous sales expenses         515,510         104,854           41         ADMINISTRATIVE AND GENERAL EXPENSES         0         0           Operation:         1,108,662         132,112 <td>1</td> <td></td> <td></td> <td></td>	1			
27         Operation:         0         0         0           29         901 Supervision         0         0         0           30         902 Meter reading expenses         0         0         0           30         903 Customer records and collection expenses         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         0         0           33         Total customer accounts expenses         795,011         18,944           34         SALES EXPENSES         795,011         18,944           34         SALES EXPENSES         795,011         18,944           35         Operation:         0         0         0           36         911 Supervision         0         0         0           37         912 Demonstrating and selling expenses         515,510         104,854           38         913 Advertising expenses         0         0           40         Miscellaneous sales expenses         0         0           40         Miscellaneous sales expenses         515,510         104,854           41         ADMINISTRATIVE AND GENERAL EXPENSES <td>1</td> <td></td> <td>7,214,073</td> <td>210,100</td>	1		7,214,073	210,100
28         901 Supervision         0         0           29         902 Meter reading expenses         0         0           30         903 Customer records and collection expenses         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         0         0           33         Total customer accounts expenses         795,011         18,944           34         SALES EXPENSES         795,011         18,944           35         Operation:         0         0           36         911 Supervision         0         0         0           37         912 Demonstrating and selling expenses         515,510         104,854           38         913 Advertising expenses         0         0         0           40         Total sales expenses         515,510         104,854           41         ADMINISTRATIVE AND GENERAL EXPENSES         0         0         0           42         Operation:         1,108,662         132,112         132,112           43         922 Administrative and general salaries         1,108,662         132,112           44         921 Office	1			
29       902 Meter reading expenses       0       0         30       903 Customer records and collection expenses       750,761       8,535         31       904 Uncollectible accounts       44,250       10,409         32       905 Miscellaneous customer accounts expenses       0       0         33       Total customer accounts expenses       795,011       18,944         34       SALES EXPENSES       795,011       18,944         35       Operation:       0       0         36       911 Supervision       0       0       0         37       912 Demonstrating and selling expenses       515,510       104,854         38       913 Advertising expenses       0       0         40       Miscellaneous sales expenses       0       0         40       Miscellaneous sales expenses       515,510       104,854         41       ADMINISTRATIVE AND GENERAL EXPENSES       0       0         42       Operation:       1,108,662       132,112         43       920 Administrative and general salaries       1,108,662       132,112         44       921 Office supplies and expenses       29,224       (22,683)         45       922 Administrative expenses transferr	1			0
30         903 Customer records and collection expenses         750,761         8,535           31         904 Uncollectible accounts         44,250         10,409           32         905 Miscellaneous customer accounts expenses         0         0           33         Total customer accounts expenses         795,011         18,944           34         SALES EXPENSES         795,011         18,944           35         Operation:         0         0         0           36         911 Supervision         0         0         0           37         912 Demonstrating and selling expenses         515,510         104,854           38         913 Advertising expenses         0         0         0           39         916 Miscellaneous sales expenses         0         0         0         0           40         Total sales expenses         515,510         104,854         104,854           41         ADMINISTRATIVE AND GENERAL EXPENSES         0         0         0           42         Operation:         1,108,662         132,112         132,112         132,112         132,112         14         921 Office supplies and expenses         29,224         (22,683)         124,471         14,471	1			
31       904 Uncollectible accounts       10,409         32       905 Miscellaneous customer accounts expenses       0       0         33       Total customer accounts expenses       795,011       18,944         34       SALES EXPENSES       795,011       18,944         35       Operation:       0       0         36       911 Supervision       0       0         37       912 Demonstrating and selling expenses       515,510       104,854         38       913 Advertising expenses       0       0         39       916 Miscellaneous sales expenses       0       0         40       Total sales expenses       515,510       104,854         41       ADMINISTRATIVE AND GENERAL EXPENSES       0       0         Operation:       3       920 Administrative and general salaries       1,108,662       132,112         44       921 Office supplies and expenses       29,224       (22,683)         922 Administrative expenses transferred - Cr       0       0         46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437		<del>z</del> ,	-	-
32         905 Miscellaneous customer accounts expenses         0         0           33         Total customer accounts expenses         795,011         18,944           34         SALES EXPENSES         795,011         18,944           35         Operation:         0         0           36         911 Supervision         0         0           37         912 Demonstrating and selling expenses         515,510         104,854           38         913 Advertising expenses         0         0           40         Miscellaneous sales expenses         0         0           40         Total sales expenses         515,510         104,854           41         ADMINISTRATIVE AND GENERAL EXPENSES         0         0           Operation:         920 Administrative and general salaries         1,108,662         132,112           43         920 Administrative and general salaries         29,224         (22,683)           45         921 Office supplies and expenses         29,224         (22,683)           45         922 Administrative expenses transferred - Cr         0         0         0           46         923 Outside services employed         457,113         124,471         124,471         124,471         1		•	-	
Total customer accounts expenses   795,011   18,944	1		_	10,409
34         SALES EXPENSES           35         Operation:           36         911 Supervision         0           37         912 Demonstrating and selling expenses         515,510           38         913 Advertising expenses         0           39         916 Miscellaneous sales expenses         0           40         Total sales expenses         515,510           41         ADMINISTRATIVE AND GENERAL EXPENSES           42         Operation:           43         920 Administrative and general salaries         1,108,662           44         921 Office supplies and expenses         29,224           45         922 Administrative expenses transferred - Cr         0           46         923 Outside services employed         457,113         124,471           47         924 Property insurance         864,948         (57,370)           48         925 Injuries and damages         2,437         (438)           49         926 Employee pensions and benefits         5,696,069         (526,989)           50         928 Regulatory commission expenses         0         0           50         929 Store Expense         0         0           50         930 Miscellaneous general expenses <t< td=""><td>1</td><td></td><td></td><td>0</td></t<>	1			0
35         Operation:         0         0           36         911 Supervision         0         0           37         912 Demonstrating and selling expenses         515,510         104,854           38         913 Advertising expenses         0         0           39         916 Miscellaneous sales expenses         0         0           40         Total sales expenses         515,510         104,854           41         ADMINISTRATIVE AND GENERAL EXPENSES         515,510         104,854           42         Operation:	33	·	795,011	18,944
36       911 Supervision       0       0         37       912 Demonstrating and selling expenses       515,510       104,854         38       913 Advertising expenses       0       0         39       916 Miscellaneous sales expenses       0       0         40       Total sales expenses       515,510       104,854         41       ADMINISTRATIVE AND GENERAL EXPENSES       Operation:       0       0         43       920 Administrative and general salaries       1,108,662       132,112         44       921 Office supplies and expenses       29,224       (22,683)         45       922 Administrative expenses transferred - Cr       0       0         46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53	34	SALES EXPENSES		
37       912 Demonstrating and selling expenses       515,510       104,854         38       913 Advertising expenses       0       0         39       916 Miscellaneous sales expenses       0       0         40       Total sales expenses       515,510       104,854         41       ADMINISTRATIVE AND GENERAL EXPENSES       0       0         Operation:       0       0       0         43       920 Administrative and general salaries       1,108,662       132,112         44       921 Office supplies and expenses       29,224       (22,683)         45       922 Administrative expenses transferred - Cr       0       0       0         46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents	35	Operation:		
37       912 Demonstrating and selling expenses       515,510       104,854         38       913 Advertising expenses       0       0         39       916 Miscellaneous sales expenses       0       0         40       Total sales expenses       515,510       104,854         41       ADMINISTRATIVE AND GENERAL EXPENSES       Operation:       0         43       920 Administrative and general salaries       1,108,662       132,112         44       921 Office supplies and expenses       29,224       (22,683)         45       922 Administrative expenses transferred - Cr       0       0       0         46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         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       515,510       104,854         41       ADMINISTRATIVE AND GENERAL EXPENSES       515,510       104,854         42       Operation:       0       0         43       920 Administrative and general salaries       1,108,662       132,112         44       921 Office supplies and expenses       29,224       (22,683)         45       922 Administrative expenses transferred - Cr       0       0         46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0	37	912 Demonstrating and selling expenses	515,510	104,854
39       916 Miscellaneous sales expenses       0       0         40       Total sales expenses       515,510       104,854         41       ADMINISTRATIVE AND GENERAL EXPENSES       0       0         42       Operation:       1,108,662       132,112         43       920 Administrative and general salaries       29,224       (22,683)         45       921 Office supplies and expenses       29,224       (22,683)         45       922 Administrative expenses transferred - Cr       0       0         46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0	38		_	_
40       Total sales expenses       515,510       104,854         41       ADMINISTRATIVE AND GENERAL EXPENSES       0         42       Operation:       1,108,662       132,112         43       920       Administrative and general salaries       29,224       (22,683)         45       921       Office supplies and expenses       29,224       (22,683)         45       922       Administrative expenses transferred - Cr       0       0       0         46       923       Outside services employed       457,113       124,471         47       924       Property insurance       864,948       (57,370)         48       925       Injuries and damages       2,437       (438)         49       926       Employee pensions and benefits       5,696,069       (526,989)         50       928       Regulatory commission expenses       0       0         51       929       Store Expense       0       0         52       930       Miscellaneous general expenses       500,263       (65,156)         53       931       Rents       0       0	1		0	0
41       ADMINISTRATIVE AND GENERAL EXPENSES         42       Operation:         43       920 Administrative and general salaries       1,108,662       132,112         44       921 Office supplies and expenses       29,224       (22,683)         45       922 Administrative expenses transferred - Cr       0       0         46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0			_	104.854
42       Operation:       1,108,662       132,112         43       920 Administrative and general salaries       1,108,662       132,112         44       921 Office supplies and expenses       29,224       (22,683)         45       922 Administrative expenses transferred - Cr       0       0         46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0			2:2,3:0	,
43       920 Administrative and general salaries       1,108,662       132,112         44       921 Office supplies and expenses       29,224       (22,683)         45       922 Administrative expenses transferred - Cr       0       0         46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0				
44       921 Office supplies and expenses       29,224       (22,683)         45       922 Administrative expenses transferred - Cr       0       0         46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0	1		1 108 662	122 112
45       922 Administrative expenses transferred - Cr       0       0         46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0				
46       923 Outside services employed       457,113       124,471         47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0		· · · · · · · · · · · · · · · · · · ·		(22,003)
47       924 Property insurance       864,948       (57,370)         48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0		·		404 474
48       925 Injuries and damages       2,437       (438)         49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0			-	·
49       926 Employee pensions and benefits       5,696,069       (526,989)         50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0	1		The state of the s	
50       928 Regulatory commission expenses       0       0         51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0		· · · · · · · · · · · · · · · · · · ·	The state of the s	
51       929 Store Expense       0       0         52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0	1		5,696,069	(526,989)
52       930 Miscellaneous general expenses       500,263       (65,156)         53       931 Rents       0       0	1		0	0
53 931 Rents 0 0	1	929 Store Expense	0	0
53 931 Rents 0 0	52		500,263	(65,156)
54 Total operation 8,658,716 (416,053)	53	931 Rents	0	0
	54	Total operation	8,658,716	(416,053)

	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	185,503	(203,901)							
4	933 Transportation expense	258,729	50,858							
5	Total administrative and general expenses	9,102,948	(569,096)							
6	Total Electric Operation and Maintenance Expenses	47,974,375	(6,632,717)							

#### 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:	947,266	1,071,214	2,018,480
10	Nuclear Power			
11	Hydraulic Power			
12	Other Power	6,032,342		6,032,342
13	Other Power Supply Expenses	25,017,898		25,017,898
14	Total power production expenses	31,997,506	1,071,214	33,068,720
15	Transmission Expenses	277,513		277,513
16	Distribution Expenses	673,517	3,541,156	4,214,673
17	Customer Accounts Expenses	795,011		795,011
18	Sales Expenses	515,510		515,510
19	Administrative and General Expenses	8,917,445	185,503	9,102,948
20	Total Electric Operation and			
21	Maintenance Expenses	43,176,502	4,797,873	47,974,375

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) 83.60%

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

\$8,887,940

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

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#### 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.
- 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.

designate	ed whether estimated or actual amounts		the appropriate balance	sheet plant account or s	ubaccount.	of such taxes to the taxing authority.			
		Total Taxes							
		Charged							
Line	Kind of Tax	During Year	Electric	Gas					
No.	(a)	(omit cents)	Acct 408,409	Acct 408,409					
		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1									
2									
2 3									
4									
5									
5 6 7									
7									
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21									
22 23									
23									
24									
25									
00									
26 27									
27									
28	TOTALS								

	OTHER UTILITY OPERATING INCOME (Account 414) Page 50										
			for in each column		<b>-</b>						
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											
4											
5											
6											
7											
8 9											
10											
11											
12											
13											
14											
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43 44											
45											
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47											
48											
49 50 51											

656,988

Eline No.  1 Rev 2 M 3 6 6 Of 7 8 9 10 11 12 13 Cos 14 Co 15 Co 16 Job	INCOME FROM MEI port by utility departments the revenue, cod d contract work during the year.  Item (a)  venues: lerchandise sales, less discounts, allowances and returns ontract work ommissions ther (list according to major classes)  Total Revenues  sts and Expenses: ost of sales (list according to major classes of cost)	RCHANDISE, JOBBIN sts, expenses, and net  Electric Department (b)  0			Total (e) 586,741
Ance No.  1 Rev. 2 M. 3 a a 4 Co. 5 Co. 6 Of. 7 8 9 10 11 12 13 Co. 14 Co. 15 co. 16 Job	Item (a)  venues: Ierchandise sales, less discounts, allowances and returns ontract work ommissions Ither (list according to major classes)  Total Revenues  sts and Expenses: ost of sales (list according to major	Electric Department (b)	Gas Department (c)	Other Utility Department	(e)
Line No. 1 Rev 2 M 3 & 6 C C 6 Of 7 8 9 10 11 12 13 Cos 14 C C 15 C C 16 Job Lev	Item (a)  venues: lerchandise sales, less discounts, allowances and returns ontract work ommissions ther (list according to major classes)  Total Revenues  sts and Expenses: ost of sales (list according to major	Department (b)	Department (c)	Department	(e)
No.   Rev.	(a)  venues: lerchandise sales, less discounts, allowances and returns ontract work ommissions ther (list according to major classes)  Total Revenues  sts and Expenses: ost of sales (list according to major	(b)	(c)		(e)
1 Rev 2 M 3 a 4 Ca 5 Ca 6 Of 7 8 9 10 11 12 13 Cos 14 Ca 15 Ca 16 Job	venues: lerchandise sales, less discounts, allowances and returns ontract work ommissions ther (list according to major classes)  Total Revenues  sts and Expenses: ost of sales (list according to major			(U)	
2 M· 3 a 4 Co 5 Co 6 Of 7 8 9 10 11 12 13 Cos 14 Co 15 c 16 Job	lerchandise sales, less discounts, allowances and returns ontract work ommissions ther (list according to major classes)  Total Revenues  sts and Expenses: ost of sales (list according to major	0	0		586,741
3 a a 4 Co 5 Co 6 Of 7 8 9 10 11 12 13 Cos 14 Co 15 Co 16 Job	allowances and returns ontract work ommissions ther (list according to major classes)  Total Revenues  sts and Expenses: ost of sales (list according to major	0	0		586,741
4 Co 5 Co 6 Of 7 8 9 10 11 12 13 Cos 14 Co 15 c	ontract work ommissions ther (list according to major classes)  Total Revenues  sts and Expenses: ost of sales (list according to major	0	0		586,741
5 Co 6 Of 7 8 9 10 11 12 13 Cos 14 Co 15 C	ommissions ther (list according to major classes)  Total Revenues  sts and Expenses: ost of sales (list according to major	0	0		586,741
6 Of 7 8 9 10 11 12 13 Cos 14 Cos 15 Cos 16 Job	ther (list according to major classes)  Total Revenues  sts and Expenses: ost of sales (list according to major	0	0		
7 8 9 10 11 12 13 Cos 14 Cos 15 cos 16 Job	Total Revenues  sts and Expenses: ost of sales (list according to major	0	0		
8 9 10 11 12 13 Cos 14 Cos 15 Cos 16 Job	sts and Expenses: ost of sales (list according to major	0	0		
9 10 11 12 13 Cos 14 Cos 15 cos 16 Job	sts and Expenses: ost of sales (list according to major	0	0		
10 11 12 13 Cos 14 Co 15 co	sts and Expenses: ost of sales (list according to major	0	0		
11 12 13 Cos 14 Co 15 co	sts and Expenses: ost of sales (list according to major	0	0		
12 13 Cos 14 Co 15 co 16 Job	ost of sales (list according to major			0	586,741
13 Cos 14 Co 15 c 16 Job	ost of sales (list according to major				
14 Co 15 c 16 Job	ost of sales (list according to major				
15 c	·				
16 Job	classes of cost)				
16 Job					
	obing/Contract Costs				
1 / IMa	terials				
	tside Service Labor				
19	licido Col Vido Labor				
20					
21					
22					
23					
24					
25					
26 Sal	les Expenses				
27 Cu	stomer accounts expenses				
28 Adr	ministrative and general expenses				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
	TOTAL COSTS AND EXPENSES	0	0	0	0
	Net Profit (or loss)	0	0	0	586,741

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

			Export			Kwo	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)	(a)	(e)	(f)	(g)	(h)
1	Hingham Municipal Light (Potter)	FP		Grove St, Braintree	RS	2,125 kW		2,125 kW
	North Attleboro Electric Dept.(Potter)	FP		Grove St, Braintree	RS	4,800 kW		4,800 kW
	Hingham Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
	Concord Municipal (Watson)	FP		Grove St, Braintree	RS	10,150 kW		10,150 kW
	Taunton Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
	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
9	Chicopee Electric Light (Watson)	FP		Grove St, Braintree	RS	11,600 kW		11,600 kW
10	New Hampshire Electric Coop (Watson	FP		Grove St, Braintree	RS	13,050 kW		13,050 kW
11								
12								
13								
14								
15								
16 17								
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#### 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 (Omit Cents)				Revenue per kwh		
Demand Reading (i)	at Which Delivered (j)	Kilowatt- Hours (k)	Capacity Charges (I)	Energy Charges (m)	Other Charges (n)	Total (o)	(CENTS) (0.0000) (p)	Line No.
								1 2
								3 4
								5
								6 7
								8 9
**NONE**								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 35
								36 37
								38
								39 40
	TOTALS:	0	0.00	0.00		0.00		41 42

# 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 De	mand
			Across				Avg mo.	Annual
		Statistical	State		Sub	Contract	Maximum	Maximum
Line	Purchased from	Classification			Station	Demand	Demand	Demand
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1		FP	Х	Grove St., Braintree	RS	7 kW		7.1.14
	MMWEC Seabrook	FP	X	Grove St., Braintree		3 kW		7 kW
	MMWEC NYPA	EX	^			3 KVV		3 kW
	Energy New England, L.L.C.			Grove St., Braintree				
	ISO New England Interchange	EX	V	Grove St., Braintree		0.1.14		0.114/
	Hydro Quebec (through ISO-NE)	FP	Х	Grove St., Braintree	RS	6 kW		6 kW
7								
8								
9								
10								
11								
12								
13								
14								
15								
	Entitlement in Taunton							
	Cleary 9 Unit ended 12/31/13							
18								
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36								
37								
38								
39								
40								
41	** Includes transmission and ad	ministrative ch	arges an	d decommissioning				
42								

# 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 C	cents)		K₩Ħ	
Demand Reading	at Which Delivered	Kilowatt- Hours	Capacity Charges	Energy Charges	Other Charges	Total	(CENTS) (0.0000)	Line
(i)	(j)	(k)	(I)	Charges	(n) **	(o)	(p)	No.
								1
								2
								3
								4
								5
								6 7
								8
** NONE**								9
								10
								11
								12
								13
								14
								15 16
								17
								18
								19
								20
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								37
								38
								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 Across		Voltage at	e at Kilowatt-hours			
Line	Name of Company	State Lines	Point of Interchange	Which Inter- changed				Amount of Settlement
No.	(a)	(b)	(c)	(d)	(a)	(f)	(g)	(h)
1							0	
2								
4								
5								
7								
8								
10								
11								
12		•		TOTALS	0	0	0	-

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

Line	Name of Company	Explanation	Amount
Ma		(i)	(k)
13			=
14			-
15			
16			
17			
18			
19			
20			
21		TOTAL	-

#### **ELECTRIC ENERGY ACCOUNT** Report below the information called for concerning the disposition of electric energy generated, purchased and interchanged for the year. Kilowatt-hours Line. Item No. (a) (b) SOURCES OF ENERGY 2 Generation 3 Gas Turbine Combined Cycle 40,340,230 Steam 4 Nuclear 5 Hydro 6 Other Diesel, Fuel Cell 7 **Total Generation** 40,340,230 8 Purchases 315,721,511 46,210,750 9 (In (gross) 10 Interchanges < Out (gross) 0 11 (Net (Kwh) 46,210,750 12 (Received 13 Transmission for/by others (wheeling) < Delivered 14 (Net (Kwh) 15 TOTAL 402,272,491 DISPOSITION OF ENERGY 16 17 Sales to ultimate consumers (including interdepartmental sales) 361.114.229 18 Sales for resale 28,238,163 19 Energy furnished without charge (station use) 9,355,294 20 Energy used by the company (excluding station use): 21 Electric department only 1,525,113 22 **Energy losses** 23 Transmission and conversion losses Distribution losses 24 2,039,692 25 Unaccounted for losses 0.005 26 Total energy losses 2,039,692 27 Energy losses as percent of total on line 15 28 TOTAL 402,272,491

#### **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.
- 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.
- State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
   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

				Monthly Peak			
			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	66,380	Thur	8	6:00pm	60 min	37,918,180
30	February	64,650	Mon	16	7:00pm	"	35,883,530
31	March	60,100	Thur	5	7:00pm	"	34,971,160
32	April	53,340	Thur	9	11:00am	"	28,945,220
33	May	63,370	Thur	28	4:00pm	"	29,844,620
34	June	69,370	Tue	23	5:00pm	"	31,464,820
35	July	81,030	Mon	20	3:00pm	"	38,958,250
36	August	84,720	Tue	18	3:00pm	"	38,999,400
37	September	81,790	Tue	8	4:00pm	"	34,195,080
38	October	48,510	Mon	19	7:00pm	"	29,451,770
39	November	54,450	Mon	30	6:00pm	"	28,771,140
40	December	57,380	Tue	29	6:00pm	"	32,869,321
41		'		Ĭ		TOTAL	402,272,491

## 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.

- 4. If peak demand for 60 minutes is not available, give that which is available, specifying period.
- 5. If a group of employees attends more than one generating station, report on line 11 the approximate average number of employees assignable to each station.
- 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	0
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
13	Average number of employees	0	0	14
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	, , , ,	V. 7. 12	4-7 - 3
19	Equipment costs	\$1,369,263	\$657,373	\$18,429,374
20	Roads, railroads, and bridges	ψ1,000, <u>2</u> 00	φοσι,σιο	Ψ.ο, . <u>2</u> ο,ο.
21	Total cost	\$3,121,193	\$755,082	\$22,212,504
22	Cost per kw of installed capacity	\$250	\$302	\$228
23	Production expenses:	7=17	V-0-	<b>V</b>
24	Operation supervision and engineering			
25	Station labor			
26	Fuel		\$0.00	\$0
27	Supplies and expenses, including water		ψ0.00	ΨΟ
28	Maintenance	\$0.00	\$0	\$0
29	Rents	\$0.00	φυ	ΨΟ
30	Steam from other sources			
31	Steam transferred Credit			
32	Total production expenses	\$0.00	\$0.00	\$0
33	Expenses per net Kwh (5 places)	0.0000	#DIV/0!	0.0000
34	Fuel: Kind	0.0000	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)	Station was	DDIS.	DDIS.
	Quantity (units) of fuel consumed	Demolished and		
	Average heat content of fuel (B.t.u. per lb. of coal,	Removed in 2007	0	0
			407.077	440.000
	per gal. of oil, or per cu. ft. of gas)		137,077	140,000
41	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
42	Average cost of fuel consumed per million B.t.u.		0.00	0.00
43	Average cost of fuel consumed per kwh net gen.		0.00000	0.00000
44	Average B.t.u. per kwh net generation		Discal unit did not son in 2015	<b>B</b>
45 46			Diesel unit did not run in 2015	Potter 1 did not run in 2015
46				due to failure of GSU Xfmr

## GENERATING STATION STATISTICS (Large Stations) -- Continued

(Except Nuclear, See Instruction 10)

547 as shown on Line 24

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

arate plant. However, if a gas turbir			fuel used, and other physical and operati		I	7
Plant	Plant	Plant	Plant	Plant	Plant	
(e)	(f)	(g)	(h)	(1)	(j)	4
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		
0	353.11	34.19	439.32	27.56		
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		
0	16,178,290	1,620,260	20,665,650	1,876,030		
\$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	<del> </del>	
\$0.00	\$867,030	\$329,563	\$1,023,951	\$377,286		
\$0.00	\$867,030.00	\$329,563.00	\$1,023,951.00	\$377,286.00		
#DIV/0!		4020,000.00	<b>\$1,020,001.00</b>	<b>4011</b> ,200.00		_
		0.20340	0.04726	0.20111		
Gas	0.05359	<b>0.20340</b> Oil	<b>0.04726</b> Gas	<b>0.20111</b> Oil		
Gas M Cu. Ft.	<b>0.05359</b> Gas	Oil	Gas	Oil		
Gas M Cu. Ft.	0.05359					
	<b>0.05359</b> Gas	Oil	Gas	Oil		
M Cu. Ft.	<b>0.05359</b> Gas M Cu. Ft.	Oil bbls.	Gas M Cu. Ft.	Oil bbls.		
M Cu. Ft.	0.05359 Gas M Cu. Ft. 208,353	Oil bbls.	Gas M Cu. Ft. 246,090	Oil bbls.		
M Cu. Ft. 0 0.00	0.05359  Gas  M Cu. Ft.  208,353	Oil bbls. 2,638	Gas M Cu. Ft. 246,090 1036.24	Oil bbls. 3,020		
M Cu. Ft. 0 0.00 0.00	0.05359  Gas  M Cu. Ft.  208,353  1036.24  3.97	Oil bbls. 2,638 124.93	Gas M Cu. Ft. 246,090 1036.24 3.97	Oil bbls. 3,020		
M Cu. Ft. 0 0.00	0.05359  Gas  M Cu. Ft.  208,353	Oil bbls. 2,638	Gas M Cu. Ft. 246,090 1036.24	Oil bbls. 3,020		
M Cu. Ft. 0 0.00 0.00	0.05359  Gas  M Cu. Ft.  208,353  1036.24  3.97	Oil bbls. 2,638 124.93	Gas M Cu. Ft. 246,090 1036.24 3.97	Oil bbls. 3,020		
M Cu. Ft.  0  0.00  0.00  0.00	0.05359  Gas  M Cu. Ft.  208,353  1036.24  3.97  3.97	Oil bbls. 2,638 124.93 124.93	Gas M Cu. Ft. 246,090 1036.24 3.97 3.97	Oil bbls. 3,020 124.93		
M Cu. Ft.  0  0.00  0.00  0.00	0.05359  Gas  M Cu. Ft.  208,353  1036.24  3.97  3.97	Oil bbls. 2,638 124.93 124.93	Gas M Cu. Ft. 246,090 1036.24 3.97 3.97	Oil bbls. 3,020 124.93		

#### 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 lbs. (e)	Rated Steam Temperature* (f)	Rated Max. Continuous M Ibs. Steam per Hour (g)			
2	Potter II ST Potter II GT Thomas Watson Unit 1 Thomas Watson Unit 2	Demolished in 2007 Potter Road Potter Road Potter Road Potter Road	1/1959 1/1977 1/1977 1/2009 2/2009	Oil/Auto Gas/Auto Gas/Auto Gas/Auto	1,250 620 N/A N/A N/A	950 820 N/A N/A N/A	130,000 220,000 N/A N/A N/A			

Note Reference:

 $^{\ast}$  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\*

		Steam		Name Plat	-					Station	
		Pressure		At	At	Hydr	ogen			Capacity	
Year		at		Minimum	Maximum	Press	sure**	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)	(0)	(p)	(q)	(r)	No.
											١. ا
1977	Diesel SC	620	3,600	2,665	2,665	Air	Cooled	0.9	13.8	2,665	1 2
1977 1977	SC	620 620	3,600 3,600	20,700 78,000	20,700 78,000	Air 0.5#	Cooled 15.0#	0.9 0.9	13.8 13.8	20,700 78,000	3
2009	GT	N/A	3,600	58,000	58,000	Air	Cooled	0.85	13.8	58,000	4
2009	GT	N/A	3,600	58,000	58,000	Air	Cooled	0.85	13.8	58,000	5
			5,555	33,333						,	6
											7
											8
											9
											10
											11
											12
											13 14
											15
											16
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											26 27
											28
											29
											30
											31
											32
											33
											34
											35
											36
		-		·	TOTALS						37

#### Note references

- \*Report cross-compound turbine-generator units on two lines -- H.P. section and L.P. sectic
- + Indicate tandem-compound (T.C.); cross-compound (C.C.); all single casing (S.C.); topping unit (T), ar
- noncondensing (N.C.). Show back pressures
- \*\* Designate air cooled generators
- ++ If other than 3 phase, 60 cycle, indicate other characteristic:
- \*+ Should agree with column (m)

#### 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	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 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	*** NONE ***			(-2)			19/
31 32 33							

<sup>\*</sup> 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.

	Wheels Continued  Maximum Capacity Unit at R.P.M. Design He	of	Voltage (I)	Phase (m)	Frequency or d.c.	Name Plate Rating of Unit in Kilowatts (o)	Number of Units in Station (p)	Total Installed Generating Capacity in Kil- owatts (name plate ratings) (q)	
	Capacity Unit at R.P.M. Design Ho	of nd Year Installed			quency or d.c.	Rating of Unit in Kilowatts	of Units in Station	Generating Capacity in Kilowatts (name plate ratings)	Line No
	Unit at R.P.M. Design Ho	nd Year Installed			quency or d.c.	Rating of Unit in Kilowatts	of Units in Station	Capacity in Kil- owatts (name plate ratings)	Line No
	R.P.M. Design Ho	Installed			quency or d.c.	Unit in Kilowatts	Units in Station	owatts (name plate ratings)	Line No
		Installed			or d.c.	Kilowatts	Station	plate ratings)	No
(h)	(1) (j)								No
(h)	(1) (j)	(k)	(1)	(m)	(n)	(o)	(p)	(q)	
									1
									1 1
									2
									3
									4
									5
									6
									7
									8
									9
									10
									11
									12
									13
	*** NONE	**							14
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									26
									27
									28
									29
									30
									31
									32
					TOTALS				38 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 owner	lars as to such ma	tters as percent ov	vner-		
						Movers	
Line No.	Name of Station	Location of Station (b)	Diesel or Other Type Engine (c)	Name of Maker (d)	Year Installed (e)	2 or 4 Cycle (f)	Belted or Direct Connected (g)
							-
1 2 3 4	Potter II	Potter Road	Diesel	Fairbank-Morse	1977	2	Direct
5 6 7 8 9		Note: Diesel was Used in emergen	retired from I	SO Market Sy only	stem as of Ma	ay 1, 2014	
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							
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.

F	Prime Movers Conti	nued		G					
Rated hp. of Unit	Total Rated hp. of Station 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)	Line
(h)	<b>(I)</b>	(j)	(k)	(I)	(m)	(n)	(o)	(q)	No.
(h) 3,600	3,600	(j) 1977  Note: Diesel was retired to Can be used in emergence.	4,160	3	(m) 60	(n) 2,665	1		No. 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 35
					TOTALS				36 37 38 39

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Year Ended December 31, 2015 Page 66

#### GENERATING STATION STATISTICS (Small Stations)

- 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,

- 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.

5. If peak demand for 60 minutes is not available, give that which is available, specifying period.
6. 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	Name of Plant	Year Const.	Installed Capacity Name Plate Rating - KW	Peak Demand KW (60 Min.)	Net Generation Excluding Station Use	Cost of Plant (Omit Cents)	Plant Cost Per KW Inst. Capacity	Labor	Production Expenses xclusive of Depreciati and Taxes (Omit Cents) Fuel	Other	Kind of Fuel	Fuel Cost Per KWH Net Generation (Cents) 0
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(1)	(j)	(k)	(1)
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	*** NOT APPLICABLE ***											
28		TOTALS										

## TRANSMISSION LINE STATISTICS

Report information concerning transmission line as indicated below.

					1			
				Type of	Length (P		Number	Size of
		gnation	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	PLAIN STREET	115	PIPE CABLE	1.600		1	1000AL
2	SWIFTS BEACH	POTTER STA	115	PIPE CABLE	0.490		1	1250CU
3	POTTER STA	MIDDLE	115	PIPE CABLE	1.810		1	1250CU
4	SWIFTS BEACH	NSTAR	115	STEEL POLE	0.230		1	636ACSR
5	MIDDLE	LAKESIDE	115	PIPE CABLE	1.740		1	1000AL
6	LAKESIDE	PLAIN STREET	115	PIPE CABLE	3.540		1	1000AL
7	GROVE STREET	NSTAR	115	WOOD POLE	0.030		1	636ACSR
8		Ĭ	]	]		Ì		
9								
10								
11								
12								
13								
14	* Replaced 1000	AL with 1250CU fro	om Station 10 -16	in 2009				
15								
16	* Replaced 1000	AL with 1250CU from	om Station 16 -11	in 2010				
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51				TOTALS	9.44		7	
	* where other	than 60 cycle,	3 phase, so in	dicate.				
	_	_	_					

- 1. 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.
- 3. 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.

## **SUBSTATIONS**

- 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.

									Convers	sion Appara	atus and
		Character		Volta	age	Capacity of	Number of	Number of	Spe	cial Equipr	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		90,000	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											
22											
23											
24											
25											
26					TOTALS	270,000	6	0			

#### **OVERHEAD DISTRIBUTION LINES OPERATED** Line Length (Pole Miles) Wood Poles Steel Towers No. 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 104.94 104.94 6 7 8

## **ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS**

				Line Transformers		
		Electric	Number of		Total	
Line	Item	Services	Watt-hour	Number	Capacity	
No.			Meters		(kva)	
16	Number at beginning of year:	12,693	15,246	3,964	427,618	
17	Additions during year					
18	Purchased		0			
19	Installed	12	122	59	3,300	
20	Associated with utility plant acquired					
21	Total Additions	12	122	59	3,300	
22	Reductions during year:					
23	Retirements	8	23	57	3,190	
24	Associated with utility plant sold					
25	Total Reductions	8	23	57	3,190	
26	Number at end of year	12,697	15,345	3,966	427,728	
27	In stock		175	108	18,650	
28	Locked meters on customers' premises					
29	Inactive transformers on system					
30	In customers' use	15,170	3,858	409,078		
31	In company's use					
32	Number at end of year		15,345	3,966	427,728	

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 Underground Submarine Cable Designation of Underground System (All Sizes and Types) Miles \* Line Operating Feet \* Operating Voltage Voltage (c) No. (b) (d) (e) (f) 1 UNDERGROUND DISTRIBUTION SYSTEM 46.92 97.99 13.8kv 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 49 **TOTALS** 46.92 0.00 97.99 0 \*indicate number of conductors per cable

	ST	REET	<b>LAMPS</b>	CONN	<u>IECTE</u> D	TO S	<b>YSTEM</b>			
				Туре						
			Incande		Mercury	Vapor	Florescent	& Quartz	Sodiu	
Line	City or Town	Total	Municipal	Other	Municipal		Municipal	Other	Municipal	Other
No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Braintree	4,420	67		26		166		4,161	0
2 3										
4										
5										
6										
7										
8	Note: BELD	began to	install new	LED						
9	Streetlights i	n town be	eginning in 2	2015						
10										
11										
12										
13										
14										
15 16										
17										
18										
19										
20										
21										
22										
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45										
46										
47										
48										
49										
50										
51 52	TOTAL 0	4400	67		00	_	400		44.04	^
52	TOTALS	4420	67	0	26	0	166	0	4161	0

### 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 Date Number Schedule Effect on Annual Revenues Increases Decreases  See Attached Worksheets	or decrease in annual revenues predicted on the previous year's operations.  Estimated							
Date Number Schedule Annual Revenues Increases Decreases	Effective	M.D.P.U.	Rate	Effect on				
Increases Decreases	Date		Schedule					
	23.0		2534410		Decreases			
See Attached Worksheets				5100000				
See Attached Worksheets								
See Attached Worksheets								
			See Attached Worksheets					
			oce / mained worksheets					

## TOWN OF BRAINTREE ELECTRIC LIGHT DEPARTMENT



## Mass. DPU #164 cancels Mass. DTE #156

**Designation:** A-1

**Available In:** Braintree, Massachusetts

**Applicable To:** Residential customers for all domestic uses

in individual residences and apartments.

**Rate:** RATE WITHOUT WATER HEATER

Customer Charge: \$5.12

Generation Charge: \$0.02134 per kWh
Energy Charge: \$0.06891 per kWh
Transmission Charge: \$0.01221 per kWh
Distribution Charge: \$0.04010 per kWh
NY Hydro Power Credit: (\$0.00433) per kWh

A-1C

#### CONTROLLED WATER HEATER RATE

A non-transferable rate available to residential customers subscribed on or before July 31, 2014 and using electricity as the sole means for heating water or air conditioning and using not less than a 60 gallon tank equipped with 3000 W or larger top and bottom elements. These elements shall be separately controlled. Customer will agree to allow the Department to control the water heater or air conditioning unit during time of peak load.

Customer Charge: \$5.12

Generation Charge: \$0.02134 per kWh
Energy Charge: \$0.06891 per kWh
Transmission Charge: \$0.01221 per kWh
Distribution Charge: \$0.03710 per kWh
NY Hydro Power Credit: (\$0.00433) per kWh

**Prompt Payment Discount:** 

There shall be a discount of 10% of the bill if payment is received within 15 days from date of bill; discount is not applicable to the Energy Charge, Generation Charge or Customer Charge.

**Senior Citizen** 

An additional discount of 5% of the bill, for **Discount:** senior citizens (over 65) if payment is received within 15 days from date of bill; discount is

not applicable on the Energy Charge, Generation Charge

or Customer Charge.

**Minimum Bill:** \$5.12 per month

**Regular Rate:** Rate without water heater would include all

services that have water heated by a source

other than electricity.

**General Terms** and Conditions: All bills shall be payable upon receipt.

Residential bills are due 45 days from billing date.

**Effective Date:** July 1, 2015

### TOWN OF BRAINTREE ELECTRIC LIGHT DEPARTMENT



### SMALL GENERAL SERVICE

**Mass. DPU #165** cancels **Mass. DTE #157** 

**Designation:** G-1

Available In: Braintree, Massachusetts

**Applicable To:** Any customer having a demand of less than

75 kW for all purposes not specifically

provided for in other schedules.

Rate: Customer Charge: \$6.51

> Generation Charge: \$0.03585 per kWh Energy Charge: \$0.06891 per kWh Transmission Charge: \$0.02121 per kWh \$0.03815 per kWh Distribution Charge:

**Prompt Payment Discount:** 

There shall be a discount of 10% of the bill if payment is received within 15 days from

date of bill. Discount is not applicable to Energy Charge, Generation Charge or

Customer Charge.

**Minimum Bill:** \$6.51 per month.

**General Terms** All bills unpaid after 30 days will be subject and Conditions:

to an interest charge of 1.5% per month on unpaid balance. This interest charge will be effective from billing date of the unpaid

balance.

**Termination Notice:** 

24 months notice required before switching to self-generation or changing to another supplier

of energy. Twelve (12) months notice required

for all other cases.

July 1, 2015 **Effective Date:** 

# TOWN OF BRAINTREE ELECTRIC LIGHT DEPARTMENT



### LARGE GENERAL SERVICE

Mass. DPU #166 cancels Mass. DPU #158

**Designation:** G-2

**Available In:** Braintree, Massachusetts

**Applicable To:** Any customer having a demand of 75 kW

or more for all purposes not specifically

provided for in other schedules.

Rate: Customer Charge: \$25.00

Demand Charge: \$10.05 per kW Demand Energy Charge: \$0.06891 per kWh Transmission Charge: \$0.02150 per kWh Distribution Charge: \$0.03956 per kWh

Prompt Payment Discount:

There shall be a discount of 10% of the bill if payment is received within 15 days from date of bill; discount is not

applicable to Energy Charge,

Demand Charge or Customer Charge.

Minimum Bill: The customer charge plus billing demand

charge for the month.

**Primary Metering:** This rate shall apply to meter

measurements at the primary side of the transformer at customer's location; if metering is done at the secondary side of

such transformer, meter will be

compensated to reflect primary measurement.

**General Terms** and Conditions:

All bills unpaid after 30 days will be subject to an interest charge of 1.5% per month on the unpaid balance. This interest charge will be effective from billing date

of the unpaid balance.

**Termination** 24 months notice required before switching **Notice:** to self-generation or changing to another

to self-generation or changing to another supplier of energy. 12 months notice

required for all other cases.

**Billing Demand:** The billing demand charge for the month shall be calculated based on the

regional network transmission peak load during that month. The highest 15 minute interval of that peak transmission hour multiplied by four will be used to

calculate the monthly demand charge.

**Effective Date:** July 1, 2015

### TOWN OF BRAINTREE ELECTRIC LIGHT DEPARTMENT



## LARGE POWER SERVICE **MASS. DPU #168** cancels Mass. DPU #160

P-1 **Designation:** 

Available in: Braintree, Massachusetts

Applicable to: A customer whose use is for industrial or manufacturing

purposes and whose total demand is 300kVA or more and

whose energy consumption is in excess of 100,000 kWh per month or a commercial customer whose average total monthly demand is 1,000kVA or

higher.

Rate: Customer Charge: \$50.00 per month

> Demand Charge: \$7.59 per kVA Energy Charge: \$0.06891 per kWh Transmission Charge: \$0.01464 per kWh Distribution Charge: \$0.04104 per kWh

**Prompt Payment** 

There shall be a discount of 10% of the **Discount:** bill if payment is received within 15 days

from date of bill; discount is not

applicable to Energy Charge, Demand Charge or Customer Charge.

**Minimum Bill:** The customer charge plus billing demand charge for the month.

**Billing Demand:** The billing demand charge for the month shall be calculated based on the

> regional network transmission peak load during that month. The highest 15 minute interval of that peak transmission hour multiplied by four will be used to

calculate the monthly demand charge.

This rate shall apply to meter measurements at the primary side **Primary** 

**Metering:** of the transformer at customer's location.

**Termination** 24 months' notice required before switching to self-generation or

**Notice:** changing to another supplier of energy.

12 months' notice required for all other cases.

All bills unpaid after 30 days will be subject to an interest charge of 1.5% **Payment:** 

per month on the unpaid balance. This interest charge will be

effective from billing date of the unpaid balance.

**Effective Date:** July 1, 2015

## TOWN OF BRAINTREE ELECTRIC LIGHT DEPARTMENT



### LARGE COMMERCIAL HEATING AND COOLING SERVICE

Mass. DPU #167 cancels Mass. DPU #159

**Designation:** H-1

**Available In:** Braintree, Massachusetts

**Applicable To:** Any commercial customer for all uses where

the customer has a demand of 75kW or more and where the customer has installed and derives his energy requirements for heating, cooling and controlled hot water heating from electricity, and where the entire service is delivered through one meter. Electricity cannot be resold.

Rate: Customer Charge: \$25.00

Demand Charge: \$8.30 per kW Demand Energy Charge: \$0.06891 per kWh Transmission Charge: \$0.02134 per kWh Distribution Charge: \$0.04135 per kWh

Prompt Payment Discount:

There shall be a discount of 10% of the bill if payment is received within 15 days

from date of bill; discount is not

applicable to Energy Charge, Demand Charge

or Customer Charge.

Minimum Bill: The customer charge plus billing demand

charge for the month.

**Primary Metering:** This rate shall apply to meter

measurements at the primary side of the transformers at the customer's location; if metering is done at the secondary side of such transformers, meter will be

compensated to reflect primary measurement.

General Terms and Conditions:

All bills unpaid after 30 days will be subject to an interest charge of 1.5% per month on unpaid balance. This interest charge will be effective from billing date

of the unpaid balance.

**Termination Notice:** 

24 months notice required before switching to self-generation or changing to another supplier of energy. 12 months

notice required for all other cases.

**Billing Demand:** 

The billing demand charge for the month shall be calculated based on the regional network transmission peak load during that month. The highest 15 minute interval of that peak transmission hour multiplied by four will be used to calculate the monthly demand charge.

**Effective Date**: July 1, 2015

### TOWN OF BRAINTREE ELECTRIC LIGHT DEPARTMENT



#### **Economic Development Rate**

**MASS. DPU # 169** Cancels **MASS. DPU # 161** 

**Designation:** E-1

Available in: Braintree, Massachusetts

**Applicable to:** Any new customer whose use is for commercial, industrial or manufacturing

> purposes and whose peak energy demand is expected to be a minimum of two (2) megawatts per month. Existing BELD customers are ineligible. This peak demand must be achieved within one year of start-up or else customer rate will

be changed accordingly.

Rate: Customer Charge: \$50.00 per month.

> Demand Charge: \$7.59 per kVA \$0.06891 per kWh Energy Charge: Transmission Charge: \$0.01464 per kWh Distribution Charge: \$0.02554 per kWh

**Prompt Payment** 

There shall be a discount of 10% of the **Discount:** bill if payment is received within 15 days

from date of bill; discount is not

applicable to Energy Charge, Demand Charge or Customer Charge.

**Minimum Bill:** The customer charge plus billing demand charge for the month.

**Billing Demand:** The billing demand charge for the month shall be calculated based on the

> regional network transmission peak load during that month. The highest 15 minute interval of that peak transmission hour multiplied by four will be used to

calculate the monthly demand charge.

**Primary** This rate shall apply to meter measurements at the primary side

**Metering:** of the transformer at customer's location.

**Termination** 24 months' notice required before switching to self-generation or

changing to another supplier of energy. Notice:

12 months' notice required for all other cases.

**Payment:** All bills unpaid after 30 days will be subject to an interest charge of 1.5%

per month on the unpaid balance. This interest charge will be effective from billing date of the unpaid balance.

Actual term of E-1 rate to be negotiated between BELD and Customer. Term:

**Effective Date**: July 1, 2015

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