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,

2023

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

Official title: General Manager

Office address: 150 Potter Road
Braintree, MA 02184

Form AC-19

GOULET, SALVIDIO
& ASSOCIATES, P.C.
CERTIFIED PUBLIC ACCOUNTANTS

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

Management is responsible for the accompanying financial statements of Braintree Electric Light Department, which comprise the balance sheet as of December 31, 2023, and the related statements of income and retained earnings for the year then ended, included in the accompanying prescribed form in accordance with accounting principles generally accepted in the United States of America. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements included in the accompanying prescribed form nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. We do not express an opinion, a conclusion, nor provide any assurance on the financial statements in the accompanying prescribed form.

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

This report is intended solely for the information and use of Braintree Electric Light Department and the Massachusetts Department of Public Utilities, and is not intended to be and should not be used by anyone other than these specified parties.

Goulet, Salvidio & Associates P.C.

Goulet, Salvidio & Associates, P.C.

Worcester, Massachusetts
June 5, 2024

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GENERAL INFORMATION

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. — Electric
   Owner from whom purchased, if so acquired.
   Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws.
   Record of votes: First vote: Yes, 119; No, 3 Second vote: Yes, 146; No, 5
   Date when town (or city) began to sell gas and electricity, — July 1893

3. Name and address of manager of municipal lighting: — William Bottiggi
   150 Potter Road
   Braintree, MA 02184

4. Name and address of mayor or selectmen: — Charles Kokoros
   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 board:

Anthony Agnitti	Braintree, MA
James Regan	Braintree, MA
Thomas J. Reynolds	Braintree, MA

8. Total valuation of estates in town (or city) according to last State valuation (taxable) — $9,679,935,171

9. Tax rate for all purposes during the year:

Residential	$9.48
Commercial/Industrial/Personal Property	$20.25 / $20.19

10. Amount of manager's salary: — $246,135

11. Amount of manager's bond: — $100,000

12. Amount of salary paid to members of municipal light board (each): — $100

FURNISH SCHEDULE OF ESTIMATES REQUIRED BY GENERAL LAWS, CHAPTER 164, SECTION 57 FOR GAS AND ELECTRIC LIGHT PLANTS FOR THE FISCAL YEAR, ENDING DECEMBER 31, NEXT.

				Amount
	INCOME FROM PRIVATE CONSUMERS:			
1	From sales of gas			
2	From sales of electricity			65,000,000
3			**TOTAL**	65,000,000
4				
5	**EXPENSES**			
6	For operation, maintenance and repairs			48,000,000
7	For interest on bonds, notes or scrip			1,800,000
8	For depreciation fund (3 %	267,078,758	as per page 8B)	8,012,363
9	For sinking fund requirements			
10	For note payments			
11	For bond payments			
12	For loss in preceding year			
13			**TOTAL**	57,812,363
14				
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 municipal buildings			1,800,000
19	Of electricity to be used for street lights			240,000
20	Total of above items to be included in the tax levy			2,040,000
21				
22	New construction to be included in the tax levy			
23	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.		Names of cities or towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each.	
City or Town	Number of Customers' Meters, Dec. 31	City or Town	Number of Customers' Meters, Dec. 31
		Braintree	16,541
TOTAL	0	**TOTAL**	16,541

APPROPRIATIONS SINCE BEGINNING OF YEAR

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

FOR CONSTRUCTION OR PURCHASE OF PLANT

*At	meeting	, to be paid from **	
*At	meeting	, to be paid from **	
		TOTAL	0

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

1.	Street lights	240,000
2.	Municipal buildings	1,800,000
3.		
	TOTAL	2,040,000

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

CHANGES IN THE PROPERTY

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

In electric property:

In gas property: Not applicable

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

When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
March 1893	April 1893	16,500					
March 1924	July 1924	50,000					
June 1951	February 1952	1,400,000					
March 1958	May 1958	1,500,000					
March 1959	May 1959	2,500,000					
October 1973	August 1975	17,000,000					
October 1973	October 1976	5,000,000					
May 2009	May 2009	109,700,000	7,120,000	May 15th	4.80%	May & November 15th	33,305,000
	TOTAL	137,166,500	7,120,000			TOTAL	33,305,000

The bonds and notes outstanding at end of year should agree with the Balance Sheet.
When bond and notes are repaid report the first three columns only
* Date of meeting and whether regular or special
** List original issues of bonds and notes including those that have been repaid

Town Notes

(Issued on Account of Gas or Electric Lighting.)

When Authorized*	Date of Issue	Amount of Original Issue **	Period of Payments		Interest		Amount Outstanding at End of Year
			Amounts	When Payable	Rate	When Payable	
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	0

The bonds and notes outstanding at end of year should agree with the Balance Sheet.
When bond and notes are repaid report the first three columns only
* Date of meeting and whether regular or special
** List original issues of bonds and notes including those that have been repaid

TOTAL COST OF PLANT - ELECTRIC

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

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (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	0	0	0	0	631,438
8	311 Structures and Improvements	10,405,361	0	0	0	0	10,405,361
9	312 Boiler Plant Equipment	0	0	0	0	0	0
10	313 Engines and Engine Driven Generators	0	0	0	0	0	0
11	314 Turbogenerator Units	10,764,350	0	0	0	0	10,764,350
12	315 Accessory Electric Equipment	2,815,884	0	0	0	0	2,815,884
13	316 Miscellaneous Power Plant Equipment	621,578	0	0	0	0	621,578
15	Total Steam Production Plant	25,238,611	0	0	0	0	25,238,611
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)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements	11,474,524	0	0	0	0	11,474,524
13	342 Fuel Holders, Producers and Accessories	9,962,797	0	0	0	0	9,962,797
14	343 Prime Movers	26,516,790	0	0	0	0	26,516,790
15	344 Generators	50,961,268	1,929,633	0	0	0	52,890,901
16	345 Accessory Electric Equipment	13,982,287	0	0	0	0	13,982,287
17	346 Miscellaneous Power Plant Equipment	2,281,845	0	0	0	0	2,281,845
18	Total Other Production Plant	115,179,511	1,929,633	0	0	0	117,109,144
19	Total Production Plant	140,418,122	1,929,633	0	0	0	142,347,755
20	3. Transmission Plant						
21	350 Land and Land Rights	258,361	0	0	0	0	258,361
22	351 Clearing Land and Rights of Way	107,653	0	0	0	0	107,653
23	352 Structures and Improvements	3,316,250	0	0	0	0	3,316,250
24	353 Station Equipment	17,724,178	133,673	0	0	0	17,857,851
25	354 Towers and Fixtures	545,982	0	0	0	0	545,982
26	355 Poles and Fixtures	212,981	0	0	0	0	212,981
27	356 Overhead Conductors and Devices	2,717,703	0	0	0	0	2,717,703
28	357 Underground Conduit	3,011,359	0	0	0	0	3,011,359
29	358 Underground Conductors and Devices	3,472,730	0	0	0	0	3,472,730
30	359 Roads and Trails	12,524	0	0	0	0	12,524
31	Total Transmission Plant	31,379,721	133,673	0	0	0	31,513,394

TOTAL COST OF PLANT (Concluded)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	35,000					35,000
3	361 Structures and Improvements	2,315,406	0	0	0	0	2,315,406
4	362 Station Equipment	6,056,796	57,965	0	0	0	6,114,761
5	363 Storage Battery Equipment	2,763,936	22,105	0	0	0	2,786,041
6	364 Poles Towers and Fixtures	8,147,987	567,598	(34,625)	0	0	8,680,960
7	365 Overhead Conductors and Devices	4,298,762	308,026	(114,707)	0	0	4,492,081
8	366 Underground Conduit	8,978,203	0	0	0	0	8,978,203
9	367 Underground Conductors and Devices	13,051,429	658,827	(268,166)	0	0	13,442,090
10	368 Line Transformers	10,342,129	0	(50,889)	0	0	10,291,240
11	369 Services	539,221	302,492	0	0	0	841,713
12	370 Meters	5,882,426	169,515	(9,682)	0	0	6,042,259
13	371 Installations on Customer's Premises	486,836	0	(4,224)	0	0	482,612
14	372 Leased Prop on Customer's Premises	0	0	0	0	0	0
15	373 Streetlight and Signal Systems	1,513,554	29,212	(21,416)	0	0	1,521,350
16	Total Distribution Plant	64,411,685	2,115,740	(503,709)	0	0	66,023,716
17	5. GENERAL PLANT						
18	389 Land and Land Rights	0	0	0	0	0	0
19	390 Structures and Improvements	0	0	0	0	0	0
20	391 Office Furniture and Equipment	6,993,805	323,245	0	0	0	7,317,050
21	392 Transportation Equipment	3,435,056	275,526	(115,222)	0	0	3,595,360
22	393 Stores Equipment	28,408	0	0	0	0	28,408
23	394 Tools, Shop and Garage Equipment	87,036	0	0	0	0	87,036
24	395 Laboratory Equipment	26,132	4,332	0	0	0	30,464
25	396 Power Operated Equipment	13,602	0	0	0	0	13,602
26	397 Communication Equipment	16,111,329	587,755	0	0	0	16,699,084
27	398 Miscellaneous Equipment	455,341	0	0	0	0	455,341
28	399 Other Tangible Property	0	0	0	0	0	0
29	Total General Plant	27,150,709	1,190,858	(115,222)	0	0	28,226,345
30	Total Electric Plant in Service	263,360,237	5,369,904	(618,931)	0	0	268,111,210
31						Total Cost of Electric Plant.....	268,111,210
33						Less Cost of Land, Land Rights, Rights of Way.....	1,032,452
34						Total Cost upon which Depreciation is based	267,078,758

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

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COMPARATIVE BALANCE SHEET Assets and Other Debits

Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		**UTILITY PLANT**			
2	101	Utility Plant - Electric (P. 17)	122,334,735	119,867,368	(2,467,367)
3	101	Utility Plant - Gas (P. 20)			
4					
5		Total Utility Plant	122,334,735	119,867,368	(2,467,367)
6					
7					
8					
9					
10		**FUND ACCOUNTS**			
11	123	Investment in Affiliated Company	0	0	0
12	125	Construction Fund	0	0	0
13	126	Depreciation Fund (P. 14)	11,765,921	11,619,202	(146,719)
14	128	Other Special Funds	11,580,851	12,145,765	564,914
15		Total Funds	23,346,772	23,764,967	418,195
16		**CURRENT AND ACCRUED ASSETS**			
17	131	Cash (P. 14)	9,916,660	10,833,120	916,460
18	132	Special Deposits	1,097,572	1,111,348	13,776
19	135	Working Funds	2,500	2,500	0
20	141	Notes Receivable			
21	142	Customer Accounts Receivable	3,815,081	3,799,747	(15,334)
22	143	Other Accounts Receivable	1,653,591	349,082	(1,304,509)
23	146	Receivables from Municipality	141,984	159,100	17,116
24	151	Materials and Supplies (P. 14)	4,892,361	5,885,624	993,263
25					
26	165	Prepayments	805,580	1,201,627	396,047
27	174	Miscellaneous Current Assets	3,755,364	3,610,880	(144,484)
28		Total Current and Accrued Assets	26,080,693	26,953,028	872,335
29		**DEFERRED DEBITS**			
30	181	Unamortized Debt Discount			
31	182	Extraordinary Property Losses			
32	185	Other Deferred Debits	13,627,562	15,534,939	1,907,377
33		Total Deferred Debits	13,627,562	15,534,939	1,907,377
34					
35		Total Assets and Other Debits	185,389,762	186,120,302	730,540

COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.		Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1		**APPROPRIATIONS**			
2	201	Appropriations for Construction			0
3		**SURPLUS**			
4	205	Sinking Fund Reserves			
5	206	Loans Repayment	94,166,500	100,951,500	6,785,000
6	207	Appropriations for Construction Repayments	46,169	46,169	0
7	208	Unappropriated Earned Surplus (P. 12)	(8,994,708)	(7,493,739)	1,500,969
8		Total Surplus	85,217,961	93,503,930	8,285,969
9		**LONG TERM DEBT**			
10	221	Bonds (P. 6)	40,090,000	33,305,000	(6,785,000)
11	224	Other Long Term Debt	0	0	0
12	227	Obligation under Capital Lease	0	0	0
13	231	Notes Payable (P. 7)	0	0	0
14		Total Bonds and Notes	40,090,000	33,305,000	(6,785,000)
15		**CURRENT AND ACCRUED LIABILITIES**			
16	232	Accounts Payable	6,711,821	4,299,347	(2,412,474)
17	233	Capital Lease	0	0	0
18	234	Payables to Municipality	0	0	0
19	235	Customers' Deposits	2,354,869	2,732,918	378,049
20	236	Taxes Accrued	0	0	0
21	237	Interest Accrued	250,563	208,156	(42,407)
22	242	Miscellaneous Current and Accrued Liabilities	332,710	368,064	35,354
23		Total Current and Accrued Liabilities	9,649,963	7,608,485	(2,041,478)
24		**DEFERRED CREDITS**			
25	251	Unamortized Premium on Debt	5,918,369	4,680,509	(1,237,860)
26	252	Customer Advances for Construction	0	1,928,328	1,928,328
27	253	Other Deferred Credits	14,181,592	8,954,937	(5,226,655)
28		Total Deferred Credits	20,099,961	15,563,774	(4,536,187)
29		**RESERVES**			
30	260	Reserves for Uncollectible Accounts	143,081	124,346	(18,735)
31	261	Property Insurance Reserve	0	0	0
32	262	Injuries and Damages Reserves	0	0	0
33	263	Pensions and Benefits Reserves	18,553,541	25,614,145	7,060,604
34	265	Miscellaneous Operating Reserves	10,625,526	9,428,374	(1,197,152)
35		Total Reserves	29,322,148	35,166,865	5,844,717
36		**CONTRIBUTIONS IN AID OF**			
37		**CONSTRUCTION**			
38	271	Contributions in Aid of Construction	1,009,729	972,248	(37,481)
39		Total Liabilities and Other Credits	185,389,762	186,120,302	730,540

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

Line No.	Account (a)	Current Year (b)	Increase or (Decrease) from Preceding Year (c)
1	**OPERATING INCOME**		
2	400 Operating Revenues (P. 37 and 43)	64,958,591	672,472
3	Operating Expenses:		
4	401 Operation Expense (p. 42 and 47)	43,728,090	3,073,058
5	402 Maintenance Expense	5,224,417	(789,345)
6	403 Depreciation Expense	7,869,836	192,339
7	407 Amortization of Property Losses		
8			
9	408 Taxes (P. 49)		
10	Total Operating Expenses	56,822,343	2,476,052
11	Operating Income	8,136,248	(1,803,580)
12	414 Other Utility Operating Income (P. 50)		
13			
14	Total Operating Income	8,136,248	(1,803,580)
15	**OTHER INCOME**		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	1,996,253	(624,061)
17	419 Interest Income	894,499	610,852
18	421 Miscellaneous Nonoperating Income (P. 21)	0	(47,208)
19	Total Other Income	2,890,752	(60,417)
20	Total Income	11,027,000	(1,863,997)
21	**MISCELLANEOUS INCOME DEDUCTIONS**		
22	425 Miscellaneous Amortization	(37,481)	0
23	426 Other Income Deductions	0	0
24	Total Income Deductions	(37,481)	0
25	Income Before Interest Charges	11,064,481	(1,863,997)
26	**INTEREST CHARGES**		
27	427 Interest on Bonds and Notes	1,792,469	(309,732)
28	428 Amortization of Debt Discount and Expense		
29	429 Amortization of Premium on Debt - Credit	(527,121)	49,777
30	431 Other Interest Expense	13,164	15,111
31	432 Interest: Charged to Construction - Credit		
32	Total Interest Charges	1,278,512	(244,844)
33	**NET INCOME**	9,785,969	(1,619,153)

EARNED SURPLUS

Line No.	Account (a)	Debits (b)	Credits (c)
34	208 Unappropriated Earned Surplus (at beginning of period)		(8,994,708)
35			
36			
37	433 Balance Transferred from Income		9,785,969
38	434 Miscellaneous Credits to Surplus (P. 21)		0
39	435 Miscellaneous Debits to Surplus (P. 21)	6,785,000	
40	436 Appropriations of Surplus (P. 21)	1,500,000	
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	(7,493,739)	
43			
44	**TOTALS**	791,261	791,261

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CASH BALANCES AT END OF YEAR

Line No.	Items (a)	Amount (b)
1	Operation Fund	10,833,120
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12	**TOTAL**	10,833,120

MATERIALS AND SUPPLIES (Accounts 151-159, 163)

Summary per Balance Sheet

Line No.	Account (a)	Amount End of Year Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 18)	1,947,803	
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154 (151))	3,937,821	
17	Merchandise (Account 155)		
18	Other Materials and Supplies (Account 156)		
19	Nuclear Fuel Assemblies and Components - In Reactor (Account 157)		
20	Nuclear Fuel Assemblies and Components - Stock Account (Account 158)		
21	Nuclear Byproduct Materials (Account 159)		
22	Stores Expense (Account 163)		
23	Total Per Balance Sheet	5,885,624	0

DEPRECIATION FUND ACCOUNT (Account 126)

Line No.	(a)	Amount (b)
24	**DEBITS**	
25	Balance of account at beginning of year	11,765,921
26	Income during year from balance on deposit (interest)	620,632
27	Amount transferred from income (depreciation)	1,000,000
28		
29	**TOTAL**	13,386,553
30	**CREDITS**	
31	Amount expended for construction purposes (Sec. 57,C.164 of G.L.)	1,767,351
32	Amounts expended for renewals,viz:-	
33	Power Contract Settlement	
34		
35		
36		
37		
38		
39	Balance on hand at end of year	11,619,202
40	**TOTAL**	13,386,553

UTILITY PLANT - ELECTRIC

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

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	1. INTANGIBLE PLANT						0
2							
3							
4		0	0	0	0	0	0
5	2. PRODUCTION PLANT						
6	A. Steam Production						
7	310 Land and Land Rights	631,438	0	0	0	0	631,438
8	311 Structures and Improvements	27,911	0	837	0	0	27,074
9	312 Boiler Plant Equipment	0	0	0	0	0	0
10	313 Engines and Engine Driven Generators	0	0	0	0	0	0
11	314 Turbogenerator Units	0	0	0	0	0	0
12	315 Accessory Electric Equipment	0	0	0	0	0	0
13	316 Miscellaneous Power Plant Equipment	174,418	0	0	0	0	174,418
15	Total Steam Production Plant	833,767	0	837	0	0	832,930
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)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights						
3	331 Structures and Improvements						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators						
6	334 Accessory Electric Equipment						
7	335 Miscellaneous Power Plant Equipment						
8	336 Roads, Railroads and Bridges						
9	Total Hydraulic Production Plant	0	0	0	0	0	0
10	D. Other Production Plant						
11	340 Land and Land Rights						
12	341 Structures and Improvements	7,835,508	0	344,236	0	0	7,491,272
13	342 Fuel Holders, Producers and Accessories	5,346,359	0	298,884	0	0	5,047,475
14	343 Prime Movers	16,215,447	0	795,504	0	0	15,419,943
15	344 Generators	28,876,941	1,929,633	1,858,809	0	0	28,947,765
16	345 Accessory Electric Equipment	8,221,232	0	419,469	0	0	7,801,763
17	346 Miscellaneous Power Plant Equipment	1,328,664	0	68,455	0	0	1,260,209
18	Total Other Production Plant	67,824,151	1,929,633	3,785,357	0	0	65,968,427
19	Total Production Plant	68,657,918	1,929,633	3,786,194	0	0	66,801,357
20	3. Transmission Plant						
21	350 Land and Land Rights	258,361	0	0	0	0	258,361
22	351 Clearing Land and Rights of Way	0	0	0	0	0	0
23	352 Structures and Improvements	785,526	0	99,488	0	0	686,038
24	353 Station Equipment	7,775,550	133,673	944,997	0	0	6,964,226
25	354 Towers and Fixtures	137,781	0	16,379	0	0	121,402
26	355 Poles and Fixtures	0	0	0	0	0	0
27	356 Overhead Conductors and Devices	1,429,962	0	87,920	0	0	1,342,042
28	357 Underground Conduit	0	0	0	0	0	0
29	358 Underground Conductors and Devices	632,950	0	104,558	0	0	528,392
30	359 Roads and Trails	0	0	0	0	0	0
31	Total Transmission Plant	11,020,130	133,673	1,253,342	0	0	9,900,461

UTILITY PLANT -- ELECTRIC (Continued)

Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights	35,000	0	0	0	0	35,000
3	361 Structures and Improvements	1,072,584	0	69,462	0	0	1,003,122
4	362 Station Equipment	2,342,849	57,965	181,704	0	0	2,219,110
5	363 Storage Battery Equipment	2,598,671	22,105	82,918	0	0	2,537,858
6	364 Poles Towers and Fixtures	4,887,716	567,598	244,440	0	0	5,210,874
7	365 Overhead Conductors and Devices	580,186	308,026	128,963	0	0	759,249
8	366 Underground Conduit	355,507	0	269,346	0	0	86,161
9	367 Underground Conductors and Devices	5,819,427	658,827	476,020	0	0	6,002,234
10	368 Line Transformers	5,077,293	0	310,264	0	0	4,767,029
11	369 Services	0	302,492	0	0	0	302,492
12	370 Meters	3,572,875	169,515	192,650	0	0	3,549,740
13	371 Installations on Customer's Premises	7,771	0	14,605	0	0	(6,834)
14	372 Leased Prop on Customer's Premises	0	0	0	0	0	0
15	373 Streetlight and Signal Systems	1,351,674	29,212	45,407	0	0	1,335,479
16	Total Distribution Plant	27,701,553	2,115,740	2,015,779	0	0	27,801,514
17	5. GENERAL PLANT						
18	389 Land and Land Rights	0	0	0	0	0	0
19	390 Structures and Improvements	0	0	0	0	0	0
20	391 Office Furniture and Equipment	2,578,654	323,245	212,425	0	0	2,689,474
21	392 Transportation Equipment	3,418,103	275,526	103,836	0	0	3,589,793
22	393 Stores Equipment	12,414	0	852	0	0	11,562
23	394 Tools, Shop and Garage Equipment	0	0	0	0	0	0
24	395 Laboratory Equipment	0	4,332	0	0	0	4,332
25	396 Power Operated Equipment	3,844	0	408	0	0	3,436
26	397 Communication Equipment	8,687,368	587,755	483,340	0	0	8,791,783
27	398 Miscellaneous Equipment	254,751	0	13,660	0	0	241,091
28	399 Other Tangible Property	0	0	0	0	0	0
29	Total General Plant	14,955,134	1,190,858	814,521	0	0	15,331,471
30	Total Electric Plant in Service	122,334,735	5,369,904	7,869,836	0	0	119,834,803
31	104 Utility Plant Leased to Others						
32	105 Property Held for Future Use						
33	107 Construction Work in Progress	0	32,565	0		0	32,565
34	Total Utility Plant Electric	122,334,735	5,402,469	7,869,836	0	0	119,867,368

PRODUCTION FUEL AND OIL STOCKS (Included in Account 151)

(Except Nuclear Materials)

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

Line No.	Item (a)	Total Cost (b)	Kinds of Fuel and Oil			
			NUMBER 2 DIESEL			
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of Year	1,495,553	438,145	1,495,553		
2	Received During Year	1,572,326	500,004	1,572,326		
3	TOTAL	3,067,879	938,149	3,067,879		
4	Used During Year (Note A)					
5	Watson Generation Fuel	1,120,076	280,406	1,120,076		
6						
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF	1,120,076	280,406	1,120,076		
13	BALANCE END OF YEAR	1,947,803	657,743	1,947,803		

Line No.	Item (g)	Kinds of Fuel and Oil - continued			
		Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14	On Hand Beginning of Year				
15	Received During Year				
16	TOTAL				
17	Used During Year (Note A)				
18					
19					
20					
21					
22					
23					
24	Sold or Transferred				
25	TOTAL DISPOSED OF				
26	BALANCE END OF YEAR				

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

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MISCELLANEOUS NONOPERATING INCOME (Account 421) **Page 21**

Line No	Item (a)	Amount (b)
1	Income from ENE	0
2		
3		
4		
5		
6	**TOTAL**	0

OTHER INCOME DEDUCTIONS (Account 426)

Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	**TOTAL**	0

MISCELLANEOUS CREDITS TO SURPLUS (Account 434)

Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	**TOTAL**	0

MISCELLANEOUS DEBITS TO SURPLUS (Account 435)

Line No.	Item (a)	Amount (b)
24	Premium Bond Payments	6,785,000
25		
26		
27		
28		
29		
30		
31		
32	**TOTAL**	6,785,000

APPROPRIATIONS OF SURPLUS (Account 436)

Line No.	Item (a)	Amount (b)
33	In Lieu of Tax Payments to Town	1,500,000
34		
35		
36		
37		
38		
39		
40	**TOTAL**	1,500,000

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**			
		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue Per KWH (cents) (0.0000) (d)
5	444-2	Municipal: (Other than Street Lighting)	10,729,546	1,757,855	0.1638
6					
7					
8		**TOTALS**	10,729,546	1,757,855	0.1638
9	444-1	Street Lighting	1,412,760	240,169	0.1700
10					
11					
12		**TOTALS**	1,412,760	240,169	0.1700
13		**TOTALS**	12,142,306	1,998,024	0.1646

PURCHASED POWER (Account 555)

Line No.	Names of Utilities from Which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H (c)	Amount (d)	Cost per KWH (cents) (0.0000) (e)
20	MMWEC NYPA	Grove Street	12,544,252	$ 373,710	0.0298
21	MMWEC Seabrook	Substation	58,482,555	1,839,213	0.0314
22	MMWEC Other	Braintree, MA	0	9,513	N/A
23	Energy New England	115 KV	219,731,333	12,501,852	0.0569
24	ISO New England Interchange		13,165,433	5,821,336	0.4422
25	Ameresco Landfill Solar Array		1,150,620	142,632	0.1240
26	Ameresco Braintree High Solar Array		733,026	66,483	0.0907
27	Campanelli Solar		2,780,758	238,798	0.0859
28	66 Brooks Drive Solar (Archdiocese)		1,072,902	104,501	0.0974
29	Duke Energy (PotterDG/Fireking)		1,421,173	115,443	0.0812
30	National Grid		0	84,386	N/A
31	Eversource		0	5,939	N/A
32	Rate Stabilization Transfer			(1,607,828)	N/A
33					
34					
35					
36					
		TOTALS	311,082,052	$ 19,695,978	0.0633

SALES FOR RESALE (Account 447)

Line No.	Names of Utilities to Which Electric Energy is sold (a)	Where and at What Voltage Delivered (b)	K.W.H (c)	Amount (d)	Revenue per KWH (cents) (0.0000) (e)
32	Hingham Municipal Light (Watson)	Braintree, MA	3,227,492	$ 2,141,624	0.6636
33	Concord Municipal (Watson)	115 KV	2,824,056	1,873,922	0.6636
34	Taunton Municipal Light (Watson)		3,227,492	2,141,624	0.6636
35	Wellesley Municipal Light (Watson)		3,227,492	2,141,625	0.6636
36	Reading Municipal Light (Watson)		3,227,492	2,141,625	0.6636
37	Chicopee Electric Light (Watson)		3,227,492	2,141,625	0.6636
38	Hingham Municipal Light (Potter)		0	95,933	N/A
39	North Attleboro Electric Dept. (Potter)		0	217,342	N/A
40					
41		TOTALS	18,961,516	$ 12,895,320	0.6801

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ELECTRIC OPERATING REVENUES (Account 400)

1. Report below the amount of operating revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.
2. If increases and decreases are not derived from previously reported figures, explain any inconsistencies.
3. Number of customers should be reported on the basis of meters, plus number of late rate accounts except where separate meter readings are added for billing purposes, one customer should be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.
4. Unmetered sales should be included below. The details of such sales should be given in a footnote.
5. Classification on Commercial and Industrial Sales, Account 442, Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 KW. See Account 442 of the Uniform System of Accounts. Explain basis of Classification

Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	**SALES OF ELECTRICITY**						
2	440 Residential Sales	18,225,734	653,675	115,293,417	(3,949,935)	14,027	21
3	442 Commercial and Industrial Sales						
4	Small Commercial B Sales	28,328,350	1,129,649	167,910,774	(4,165,085)	2,383	(27)
5	Large Commercial C Sales	2,652,873	83,199	17,464,756	(659,148)	5	0
6	444 Municipal Sales	1,757,855	22,175	10,729,546	(554,339)	126	(1)
7	445 Street Lighting	240,169	(33,652)	1,412,760	11,579		
8	446 Sales to Railroads and Railways						
9	448 Interdepartmental Sales						
10	449 Miscellaneous Sales	119,200	264	979,492	7,479	211	0
11	**Total Sales to Ultimate Consumers**	51,324,181	1,855,310	313,790,745	(9,309,449)	16,752	14
12	447 Sales for Resale	12,895,320	(1,119,808)	18,961,516	(2,429,163)	8	0
13	**Total Sales of Electricity***	64,219,501	735,502	332,752,261	(11,738,612)	16,760	14
14	**OTHER OPERATING REVENUES**						
15	450 Forfeited Discounts		0				
16	451 Miscellaneous Service Revenues		0		* Includes revenues from		
17	453 Sales of Water and Water Power		0		application of fuel clauses $	$	-
18	454 Rent from Electric Property	557,712	8,430				
19	455 Interdepartmental Rents						
20	456 Other Electric Revenues	220,658	80,597		Total KWH to which applied		311,398,493
21							
22	ISP Revenues						
23	Miscellaneous Adjustments to Sales	(39,280)	(152,057)				
24							
25	Total Other Operating Revenues	739,090	(63,030)				
26	Total Electric Operating Revenue	64,958,591	672,472				

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.

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per KWH (cents) (0.0000) (d)	Number of Customers (per Bills rendered)	
						July 31 (e)	Dec 31 (f)
1	440	A1 Residential	111,268,126	$17,604,707	0.1582	13,641	13,624
2		A1C Controlled Water Heating	3,740,445	$576,997	0.1543	383	375
3		AS Distributed Generation	284,846	$44,030	0.1546	26	28
4	442	G1 Small General Service	58,488,187	$10,524,268	0.1799	2,200	2,195
5		E1 Economic Development	5,309,040	$745,585	0.1404	1	1
6		G2 Large General Service	91,140,743	$14,954,054	0.1641	169	166
7		H1 Commercial Heating and Cooling	12,972,804	$2,104,443	0.1622	21	21
8		P1 Industrial	17,464,756	$2,652,873	0.1519	5	5
9	444	MG1 Municipal	2,481,187	$450,183	0.1814	113	112
10		MG2 Municipal	6,793,759	$1,080,894	0.1591	11	11
11		MH1 Municipal	1,454,600	$226,778	0.1559	3	3
12		Street Lighting	1,412,760	$240,169	0.1700	1	1
14		L1 Area Lighting	979,492	$119,200	0.1217	210	210
15							
16							
		TOTAL SALES TO ULTIMATE CONSUMERS (page 37 Line 11)	313,790,745	51,324,181	0.1636	16,784	16,752

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

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

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	**POWER PRODUCTION EXPENSES**		
2	**STEAM POWER GENERATION**		
3	Operation:		
4	500 Operation supervision and engineering	224,455	29,602
5	501 Fuel	0	0
6	502 Steam Expenses	598,825	(26,588)
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	823,280	3,014
13	Maintenance:		
14	510 Maintenance supervision and engineering	0	0
15	511 Maintenance of Structures	558,876	55,690
16	512 Maintenance of boiler plant	173,862	93,584
17	513 Maintenance of electric plant	115,701	(31,942)
18	514 Maintenance of miscellaneous steam plant	44,317	6,651
19	Total Maintenance	892,756	123,983
20	Total power production expenses -steam power	1,716,036	126,997
21	**NUCLEAR POWER GENERATION**		
22	Operation:		
23	517 Operation supervision and engineering	0	0
24	518 Fuel	0	0
25	519 Coolants and water	0	0
26	520 Steam Expenses	0	0
27	521 Steam from other sources	0	0
28	522 Steam transferred -- Cr.	0	0
29	523 Electric expenses	0	0
30	524 Miscellaneous nuclear power expenses	0	0
31	525 Rents	0	0
32	Total Operation	0	0
33	Maintenance:		
34	528 Maintenance supervision and engineering	0	0
35	529 Maintenance of Structures	0	0
36	530 Maintenance of reactor plant	0	0
37	531 Maintenance of electric plant	0	0
38	532 Maintenance of miscellaneous nuclear plant	0	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	0
44	536 Water for power	0	0
45	537 Hydraulic expenses	0	0
46	538 Electric expenses	0	0
47	539 Miscellaneous hydraulic power generation expenses	0	0
48	540 Rents	0	0
49	Total Operation	0	0

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	**HYDRAULIC POWER GENERATION - Continued**		
2	Maintenance:		
3	541 Maintenance Supervision and engineering	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
10	**OTHER POWER GENERATION**		
11	Operation:		
12	546 Operation supervision and engineering	256,996	25,940
13	547 Fuel	2,326,583	(1,573,073)
14	548 Generation Expenses	1,750,429	69,717
15	549 Miscellaneous other power generation expense	394,344	(55,247)
16	550 Rents	0	0
17	Total Operation	4,728,352	(1,532,663)
18	Maintenance:		
19	551 Maintenance supervision and engineering	0	0
20	552 Maintenance of Structures	627,444	66,801
21	553 Maintenance of generating and electric plant	1,829,939	438,862
22	554 Maintenance of miscellaneous other power generation plant	201,749	(48,825)
23	Total Maintenance	2,659,132	456,838
24	Total power production expenses - other power	7,387,484	(1,075,825)
25	**OTHER POWER SUPPLY EXPENSES**		
26	555 Purchased power	19,695,978	1,269,873
27	556 System control and load dispatching	0	0
28	557 Other expenses	168,870	9,818
29	Total other power supply expenses	19,864,848	1,279,691
30	Total power production expenses	28,968,368	330,863
31	**TRANSMISSION EXPENSES**		
32	Operation:		
33	560 Operation supervision and engineering	0	0
34	561 Load dispatching	906,347	(55,664)
35	562 Station expenses	47,400	(310)
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	78,753	78,753
40	567 Rents	0	0
41	Total Operation	1,032,500	22,779
42	Maintenance:		
43	568 Maintenance supervision and engineering	78,016	11,279
44	569 Maintenance of structures	0	0
45	570 Maintenance of station equipment	94,713	(5,455)
46	571 Maintenance of overhead lines	0	0
47	572 Maintenance of underground lines	87,481	30,016
48	573 Maintenance of miscellaneous transmission plant	40,153	(8,225)
49	Total maintenance	300,363	27,615
50	Total transmission expenses	1,332,863	50,394

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	**DISTRIBUTION EXPENSES**		
2	Operation:		
3	580 Operation supervision and engineering	223,550	29,281
4	581 Load dispatching (Operation Labor)	0	0
5	582 Station expenses	0	0
6	583 Overhead line expenses	43,033	4,587
7	584 Underground line expenses	0	0
8	585 Street lighting and signal system expenses	168,855	1,579
9	586 Meter expenses	0	(17,155)
10	587 Customer installations expenses	0	0
11	588 Miscellaneous distribution expenses	138,644	(58,744)
12	589 Rents	0	0
13	Total operation	574,082	(40,452)
14	Maintenance:		
15	590 Maintenance supervision and engineering	160,935	(7,996)
16	591 Maintenance of structures	0	0
17	592 Maintenance of station equipment	120,496	42,474
18	593 Maintenance of overhead lines	1,700,399	(104,142)
19	594 Maintenance of underground lines	1,287,724	76,090
20	595 Maintenance of line transformers	0	0
21	596 Maintenance of street lighting and signal systems	189,151	11,328
22	597 Maintenance of meters	353,545	(12,115)
23	598 Maintenance of miscellaneous distribution plant	197,062	6,393
24	Total maintenance	4,009,312	12,032
25	Total distribution expenses	4,583,394	(28,420)
26	**CUSTOMER ACCOUNTS EXPENSES**		
27	Operation:		
28	901 Supervision	0	0
29	902 Meter reading expenses	0	29,130
30	903 Customer records and collection expenses	921,710	111,306
31	904 Uncollectible accounts	79,460	1,860
32	905 Miscellaneous customer accounts expenses	0	0
33	Total customer accounts expenses	1,001,170	142,296
34	**SALES EXPENSES**		
35	Operation:		
36	911 Supervision	0	0
37	912 Demonstrating and selling expenses	1,224,886	269,916
38	913 Advertising expenses	0	0
39	916 Miscellaneous sales expenses	0	0
40	Total sales expenses	1,224,886	269,916
41	**ADMINISTRATIVE AND GENERAL EXPENSES**		
42	Operation:		
43	920 Administrative and general salaries	2,222,074	224,732
44	921 Office supplies and expenses	8,028	1,013
45	922 Administrative expenses transferred - Cr	0	0
46	923 Outside services employed	129,210	(3,830)
47	924 Property insurance	1,406,651	181,976
48	925 Injuries and damages	0	(12,226)
49	926 Employee pensions and benefits	7,133,928	2,070,885
50	928 Regulatory commission expenses	0	0
51	929 Store Expense	0	0
52	930 Miscellaneous general expenses	435,454	423
53	931 Rents	0	0
54	Total operation	11,335,345	2,462,973

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	**ADMINISTRATIVE AND GENERAL EXPENSES - Cont.**		
2	Maintenance:		
3	932 Maintenance of general plant	322,349	(925,360)
4	933 Transportation expense	184,132	(18,949)
5	Total administrative and general expenses	11,841,826	1,518,661
6	Total Electric Operation and Maintenance Expenses	48,952,507	2,283,713

SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification (a)	Operation (b)	Maintenance (c)	Total (d)
7	**Power Production Expenses**			
8	Electric Generation:			
9	Steam Power:	823,280	892,756	1,716,036
10	Nuclear Power			
11	Hydraulic Power			
12	Other Power	7,387,484		7,387,484
13	Other Power Supply Expenses	19,864,848		19,864,848
14	Total power production expenses	28,075,612	892,756	28,968,368
15	Transmission Expenses	1,332,863		1,332,863
16	Distribution Expenses	574,082	4,009,312	4,583,394
17	Customer Accounts Expenses	1,001,170		1,001,170
18	Sales Expenses	1,224,886		1,224,886
19	Administrative and General Expenses	11,519,477	322,349	11,841,826
20	Total Electric Operation and			
21	Maintenance Expenses	43,728,090	5,224,417	48,952,507

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)	87.47%
23	Total salaries and wages of electric department for year, including amounts charged to operating expenses, construction and other accounts.	$10,882,624
24	Total number of employees of electric department at end of year including administrative, operating, maintenance, construction and other employees (including part-time employees)	79

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TAXES CHARGED DURING THE YEAR

1. This schedule is intended to give the account distribution of total taxes charged to operations and other final accounts during the year.
2. Do not include gasoline and other sales taxes which have been charged to accounts to which the material on which the tax was levied which the tax was levied was charged. If the actual or estimated amounts of such taxes are known, they should be shown as a footnote and designated whether estimated or actual amounts
3. The aggregate of each kind of tax should be listed under the appropriate heading of "Federal", "State" and "Local" in such manner that the total tax for each State and for all subdivisions can be readily ascertained.
4. The accounts to which the taxes charged were distributed should be shown in columns (c) to (h). Show both the utility department and number of account charged. For taxes charged to utility plant show the number of the appropriate balance sheet plant account or subaccount.
5. For any tax which it was necessary to apportion more than one utility department account, state in a footnote the basis of apportioning such tax.
6. Do not include in this schedule entries with respect to deferred income taxes, or taxes collected through payroll deductions or otherwise pending transmittal of such taxes to the taxing authority.

Line No.	Kind of Tax (a)	Total Taxes Charged During Year (omit cents) (b)	Electric Acct 408,409 (c)	Gas Acct 408,409 (d)	(e)	(f)	(g)	(h)	(i)
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	TOTALS								

OTHER UTILITY OPERATING INCOME (Account 414)

Report below the particulars called for in each column

Line No.	Property (a)	Amount of Investment (b)	Amount of Department (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
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14					
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47					
48					
49					
50					
51	TOTALS				

INCOME FROM MERCHANDISE, JOBBING, AND CONTRACT WORK (Account 415)

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

Line No.	Item (a)	Electric Department (b)	Gas Department (c)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandise sales, less discounts,				
3	allowances and returns				
4	Contract work				1,996,253
5	Commissions				
6	Other (list according to major classes)				
7					
8					
9					
10	Total Revenues	0	0	0	1,996,253
11					
12					
13	Costs and Expenses:				
14	Cost of sales (list according to major				
15	classes of cost)				
16	Jobbing/Contract Costs				
17	Materials				
18	Outside Service Labor				
19					
20					
21					
22					
23					
24					
25					
26	Sales Expenses				
27	Customer accounts expenses				
28	Administrative and general expenses				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	0	0	0	0
51	Net Profit (or loss)	0	0	0	1,996,253

SALES FOR RESALE (Account 447)

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

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

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

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

Line No.	Sales to: (a)	Statistical Classification (b)	Export Across State Line (c)	Point of Delivery (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1								
2	Hingham Municipal Light (Potter)	FP		Grove St, Braintree	RS	2,125 kW		2,125 kW
3	North Attleboro Electric Dept.(Potter)	FP		Grove St, Braintree	RS	4,800 kW		4,800 kW
4	Hingham Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,480 kW		11,480 kW
5	Concord Municipal (Watson)	FP		Grove St, Braintree	RS	10,045 kW		10,045 kW
6	Taunton Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,480 kW		11,480 kW
7	Wellesley Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,480 kW		11,480 kW
8	Reading Municipal Light (Watson)	FP		Grove St, Braintree	RS	11,480 kW		11,480 kW
9	Chicopee Electric Light (Watson)	FP		Grove St, Braintree	RS	11,480 kW		11,480 kW
10								
11								
12								
13								
14								
15								
16								
17								
18								
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41								
42								

SALES FOR RESALE (Account 447) - Continued

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

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

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

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

Type of Demand Reading (i)	Voltage at Which Delivered (j)	Revenue (Omit Cents) Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)	Revenue per kwh (CENTS) (0.0000) (p)	Line No.
								1
								2
								3
								4
								5
								6
								7
								8
								9
								10
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								33
								34
								35
								36
								37
								38
								39
								40
								41
	TOTALS:	0	0.00	0.00		0.00		42

PURCHASED POWER (Account 555)
(EXCEPT INTERCHANGE POWER)

1. 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).

Line No.	Purchased from (a)	Statistical Classification (b)	Across State Line (c)	Point of Receipt (d)	Sub Station (e)	Kw or Kva of Demand		
						Contract Demand (f)	Avg mo. Maximum Demand (g)	Annual Maximum Demand (h)
1								
2	MMWEC Seabrook	FP	X	Grove St., Braintree	RS	7 kW		7 kW
3	MMWEC NYPA	FP	X	Grove St., Braintree	RS	3 kW		3 kW
4	Energy New England, L.L.C.	EX		Grove St., Braintree	RS			
5	ISO New England Interchange	EX		Grove St., Braintree	RS			
6	Hydro Quebec (through ISO-NE)	FP	X	Grove St., Braintree	RS	6 kW		6 kW
7								
8								
9								
10								
11								
12								
13								
14								
15								
16	Entitlement in Taunton							
17	Cleary 9 Unit ended 12/31/13							
18								
19								
20								
21								
22								
23								
24								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41	** Includes transmission and administrative charges and 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 Demand Reading (i)	Voltage at Which Delivered (j)	Cost of Energy (Omit Cents)					KWH (CENTS) (0.0000) (p)	Line No.
		Kilowatt-Hours (k)	Capacity Charges (l)	Energy Charges	Other Charges (n) **	Total (o)		
** NONE**								1
	TOTALS:	0	-	-	-	-		42

INTERCHANGE POWER (Included in Account 555)

1. Report below the kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.
2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A. Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "x" in column (b).
3. Particulars of settlements for interchange power shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling, coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

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

Line No.	Name of Company (a)	Interchange Across State Lines (b)	Point of Interchange (c)	Voltage at Which Interchanged (d)	Kilowatt-hours Received (a)	Kilowatt-hours Delivered (f)	Kilowatt-hours Net Difference (g)	Amount of Settlement (h)
1							0	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				TOTALS	0	0	0	0

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13			0
14			0
15			
16			
17			
18			
19			
20			
21		TOTAL	0

ELECTRIC ENERGY ACCOUNT

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

Line No.	Item (a)				Kilowatt-hours (b)
1	SOURCES OF ENERGY				
2	Generation				
3		Steam	Gas Turbine Combined Cycle		32,274,920
4		Nuclear			
5		Hydro			
6		Other	Diesel, Fuel Cell		0
7		Total Generation			32,274,920
8	Purchases				297,916,619
9			(In (gross)	13,165,433	
10	Interchanges		< Out (gross)		
11			(Net (Kwh)		13,165,433
12			(Received		
13	Transmission for/by others (wheeling)		< Delivered		
14			(Net (Kwh)		
15	**TOTAL**				**343,356,972**
16	DISPOSITION OF ENERGY				
17	Sales to ultimate consumers (including interdepartmental sales)				313,790,745
18	Sales for resale				18,961,516
19	Energy furnished without charge (station use)				3,384,332
20	Energy used by the company (excluding station use):				
21		Electric department only			695,011
22	Energy losses				
23		Transmission and conversion losses			
24		Distribution losses			
25		Unaccounted for losses	1.90%	6,525,368	
26		Total energy losses			6,525,368
27		Energy losses as percent of total on line 15			
28				**TOTAL**	**343,356,972**

MONTHLY PEAKS AND OUTPUT

1. Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.
2. Monthly peak col. (b) should be respondent's maximum kw load as measured by the sum of its coincidental net generation and purchase plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation as to the nature of the emergency.
3. State type of monthly peak reading (instantaneous 15, 30, or 60 minutes integrated.)
4. Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above.
5. 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

Line No.	Month (a)	Monthly Peak					Monthly Output (kwh)
		Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	
29	January	53,000	Mon	16	12:00pm	60 min	31,488,904
30	February	56,260	Sat	4	1:00pm	60 min	27,838,574
31	March	47,810	Tue	14	11:00am	60 min	27,705,577
32	April	45,740	Fri	14	2:00pm	60 min	23,283,375
33	May	42,620	Wed	31	5:00pm	60 min	23,237,944
34	June	59,790	Mon	26	4:00pm	60 min	28,375,716
35	July	69,640	Thu	6	2:00pm	60 min	35,427,972
36	August	59,790	Tue	8	5:00pm	60 min	30,272,144
37	September	72,170	Thu	7	2:00pm	60 min	29,246,729
38	October	47,030	Thu	5	4:00pm	60 min	27,472,842
39	November	46,630	Wed	29	9:00pm	60 min	27,384,600
40	December	50,290	Thu	7	2:00pm	60 min	31,622,595
41						**TOTAL**	343,356,972

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.)
2. If any plant is leased, operated under a license from the Federal Power Commission, or operated as a joint facility, indicate such facts by the use of asterisks and footnotes.
3. Specify if total plant capacity is reported in 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.
6. If gas is used and purchased on a therm basis, the B.t.u. content of the gas should be given and the quantity of fuel consumed converted to M cu. ft.
7. Quantities of fuel consumed and the average cost per unit of fuel consumed should be consistent with charges to expense 501and

Line No.	Item (a)	Plant (b)	Plant (c)	Plant (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
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			
19	Equipment costs	$1,369,263	$657,373	$18,429,374
20	Roads, railroads, and bridges			
21	**Total cost**	$3,121,193	$755,082	$22,212,504
22	**Cost per kw of installed capacity**	**$250**	**$302**	**$228**
23	Production expenses:			
24	Operation supervision and engineering			
25	Station labor			
26	Fuel		$0.00	$0
27	Supplies and expenses, including water			
28	Maintenance	$0.00	$0.00	$0.00
29	Rents			
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**	**0.0000**	**0.0000**
34	Fuel: Kind			Oil
35	Unit: (Coal-tons of 2,000 lb.) (Oil-barrels of 42	Station was	Diesel Unit was	bbls.
36	gals.) (Gas-M cu. ft.) (Nuclear, indicate)	Demolished and	Demolished and	
37	Quantity (units) of fuel consumed	Removed in 2007	Removed in 2018	0
38	Average heat content of fuel (B.t.u. per lb. of coal,			
39	per gal. of oil, or per cu. ft. of gas)			140,000
40	Average cost of fuel per unit, del. f.o.b. plant			0.00
41	Average cost of fuel per unit consumed			0.00
42	Average cost of fuel consumed per million B.t.u.			0.00
43	Average cost of fuel consumed per kwh net gen.			0.00000
44	Average B.t.u. per kwh net generation			
45				Unit did not run in 2023
46				Threw blade on 6/30/2020

GENERATING STATION STATISTICS (Large Stations) -- Continued

(Except Nuclear, See Instruction 10)

547 as shown on Line 24

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

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

Plant (e)	Plant (f)	Plant (g)	Plant (h)	Plant (I)	Plant (j)	Line No.
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		1
Gas Production	Gas Production	Oil Production	Gas Production	Oil Production		2
Conventional	Conventional	Conventional	Conventional	Conventional		3
1977	2009	2009	2009	2009		4
1977	2009	2009	2009	2009		5
						6
97,500	58,000	58,000	58,000	58,000		7
79,500	58,000	58,000	58,000	58,000		8
0.00	322.93	44.39	392.10	57.17		9
						10
97,500	58,000	58,000	58,000	58,000		11
79,500	58,000	58,000	58,000	58,000		12
14	14	14	14	14		13
0	12,968,572	1,711,197	15,411,807	2,183,344		14
						15
$20,271	$0	$0	$0	$0		16
$3,762,859	$5,269,440	$5,269,440	$5,269,440	$5,269,440		17
						18
$18,429,374	$49,082,775	$49,082,775	$49,082,775	$49,082,775		19
						20
$22,212,504	$54,352,215	$54,352,215	$54,352,215	$54,352,215		21
$228	**$0**	**$0**	**$0**	**$0**		22
						23
						24
						25
$0	$577,205	$493,392	$629,303	$626,684		26
						27
						28
						29
						30
						31
$0.00	**$577,205.00**	**$493,392.00**	**$629,303.00**	**$626,684.00**		32
0.00000	**0.04451**	**0.28833**	**0.04083**	**0.28703**		33
Gas	Gas	Oil	Gas	Oil		34
M Cu. Ft.	M Cu. Ft.	bbls.	M Cu. Ft.	bbls.		35
						36
0	110,226	2,869	137,499	3,752		37
						38
1,036.24	1036.24		1036.24			39
0.00	5.24	171.97	4.58	167.03		40
0.00	5.24	171.97	4.58	167.03		41
						42
0.00000	0.04451	0.28833	0.04083	0.28703		43
						44
Unit did not run in 2023						45
Threw blade on 6/30/2020						46

STEAM GENERATING STATIONS

1. Report the information called for concerning generating stations and equipment at end of year.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such property is leased from another company, give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station or portion thereof for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent ownership by respondent, name of co-owner, basis of sharing output,

Line No.	Name of Station (a)	Location of Station (b)	Number and Year Installed (c)	Boilers: Kind of Fuel and Method of Firing (d)	Boilers: Rated Pressure in lbs. (e)	Boilers: Rated Steam Temperature* (f)	Boilers: Rated Max. Continuous M lbs. Steam per Hour (g)
2	Potter II ST	Potter Road	1/1977	Gas/Auto	620	820	220,000
3	Potter II GT	Potter Road	1/1977	Gas/Auto	N/A	N/A	N/A
4							
5							
6							
7							
8							
9		Potter 2 threw a turbine blade on June 30, 2020 during testing causing					
10		catastrophic damage to the turbine / rotor and is officially retired					
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
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28							
29							
30							
31							
32							
33							
34							
35							
36							
37							

Note Reference:

* Indicates reheat boilers thusly, 1050/1000.

STEAM GENERATING STATIONS -- Continued

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

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

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

Turbine-Generators*

Year Installed (h)	Type (l)	Steam Pressure at Throttle p.s.l.g. (j)	R.P.M. (k)	Name Plate Rating in Kilowatts: At Minimum Hydrogen Pressure (l)	Name Plate Rating in Kilowatts: At Maximum Hydrogen Pressure (m)	Hydrogen Pressure**: Min. (n)	Hydrogen Pressure**: Max. (o)	Power Factor (p)	Voltage K.v.++ (q)	Station Capacity Maximum Name Plate Rating*+ (r)	Line No.
1977	SC	620	3,600	20,700	20,700	Air	Cooled	0.9	13.8	20,700	1
1977	SC	620	3,600	78,000	78,000	0.5#	15.0#	0.9	13.8	78,000	2
		Potter 2 threw a turbine blade on June 30, 2020 during testing causing catastrophic damage to the turbine / rotor and is officially retired									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 36
					TOTALS						37

Note references:

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

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

** Designate air cooled generators.

++ If other than 3 phase, 60 cycle, indicate other characteristics.

*+ Should agree with column (m).

HYDROELECTRIC GENERATING STATIONS

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such property is leased from another company give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as

Line No.	Name of Station (a)	Location (b)	Name of Stream (c)	Water Wheels			
				Attended or Unattended (d)	Type of Unit* (e)	Year Installed (f)	Gross Static Head with Pond Full (g)
11	*** NONE ***						

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

COMBUSTION ENGINE AND OTHER GENERATING STATIONS

(except nuclear stations)

1. Report the information called for concerning generating stations and equipment at end of year. Show associated prime movers and generators on the same line.
2. Exclude from this schedule, plant, the book cost of which is included in Account 121, Nonutility Property.
3. Designate any generating station or portion thereof for which the respondent is not the sole owner. If such property is leased from another company, give name of lessor, date and term of lease, and annual rent. For any generating station, other than a leased station, or portion thereof, for which the respondent is not the sole owner but which the respondent operates or shares in the operation of, furnish a succinct statement explaining the arrangement and giving particulars as to such matters as percent owner-

Line No.	Name of Station (a)	Location of Station (b)	Prime Movers: Diesel or Other Type Engine (c)	Prime Movers: Name of Maker (d)	Prime Movers: Year Installed (e)	Prime Movers: 2 or 4 Cycle (f)	Prime Movers: Belted or Direct Connected (g)
1	Thomas Watson Unit 1	Potter Road	Comb. Turbine	Siemens-Energy	2009	N/A	Direct
2	Thomas Watson Unit 2	Potter Road	Comb. Turbine	Siemens-Energy	2009	N/A	Direct
3							
4							
5							
6							
7							
8							
9							
10							
11							
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36							
37							
38							
39							

HYDROELECTRIC GENERATING STATIONS -- Continued

percent of ownership by respondent, name of co-owner basis of sharing output, expenses, or revenues, and how expenses and/or revenues are accounted for and accounts affected. Specify if lessor, co-owner, or other party is an associated company.
4. Designate any generating station or portion thereof leased to another company and give name of lessee, date and term of lease and annual rent and how determined. Specify whether lessee is an associated company.
5. Designate any plant or equipment owned, not operated and not leased to another company. If such plant or equipment was not operated within the past year explain whether it has been retired in the books of account or what disposition of the plant or equipment and its book cost are contemplated.

Water Wheels -- Continued			Generators							
Design Head (h)	R.P.M. (l)	Maximum hp. Capacity of Unit at Design Head (j)	Year Installed (k)	Voltage (l)	Phase (m)	Fre-quency or d.c. (n)	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)	Line No.
										1
										2
										3
										4
										5
										6
										7
										8
										9
										10
										11
										12
		*** NONE ***								13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
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										28
										29
										30
										31
										32
										38
					TOTALS					39

COMBUSTION ENGINE AND OTHER GENERATING STATIONS - Continued

(except nuclear stations)

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

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

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

Prime Movers -- Continued			Generators						
Rated hp. of Unit (h)	Total Rated hp. of Station Prime Movers (i)	Year Installed (j)	Voltage (k)	Phase (l)	Frequency or d.c. (m)	Name Plate Rating of Unit in Kilowatts (n)	Number of Units in Station (o)	Total Installed Generating Capacity in Kilowatts (name plate ratings) (q)	Line No.
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10
									11
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									31
									32
									33
									34
									35
									36
									37
									38
					TOTALS			0	39

GENERATING STATION STATISTICS (Small Stations)

1. Small generating stations, for the purpose of this schedule, are steam and hydro stations of less than 2,500 KW* and other stations of less than 500 KW* installed capacity (name plate ratings). (*10,000 KW and 2,500 KW, respectively, if annual electric operating revenues of respondent are $25,000,000 or more.
2. Designate any plant leased from others, operated under a license from the Federal Power Commission, or operated as a joint facility, and give a concise statement of the facts in a footnote.
3. 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 No.	Name of Plant (a)	Year Const. (b)	Installed Capacity Name Plate Rating - KW (c)	Peak Demand KW (60 Min.) (d)	Net Generation Excluding Station Use (e)	Cost of Plant (Omit Cents) (f)	Plant Cost Per KW Inst. Capacity (g)	Production Expenses Exclusive of Depreciation and Taxes (Omit Cents)			Kind of Fuel (k)	Fuel Cost Per KWH Net Generation (Cents) 0 (l)
								Labor (h)	Fuel (l)	Other (j)		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14	*** NOT APPLICABLE ***											
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28	TOTALS											

TRANSMISSION LINE STATISTICS

Report information concerning transmission line as indicated below.

Line No.	Designation From (a)	Designation To (b)	Operating Voltage (c)	Type of Supportive Structure (d)	Length (Pole Miles) On Structures of Line Designated (e)	Length (Pole Miles) On Structures of Another Line (f)	Number of Circuits (g)	Size of Conductors and Material (h)
1	EVERSOURCE	GROVE STREET	115	WOOD POLE	0.060		1	636ACSR
2	GROVE STREET	PLAIN STREET	115	PIPE CABLE	1.480		1	1000AL
3	PLAIN STREET	STATION 8	115	PIPE CABLE	3.650		1	1000AL
4	STATION 8	STATION 10	115	PIPE CABLE	1.810		1	1000AL
5	STATION 10	POTTER STA	115	PIPE CABLE	1.810		1	1250CU
6	POTTER STA	SWIFTS BEACH	115	PIPE CABLE	0.490		1	1250CU
7	SWIFTS BEACH	EVERSOURCE	115	STEEL POLE	0.230		1	636ACSR
8	WATSON STA	POTTER STA	115	STEEL POLE	0.045		1	636ACSR
9								
10								
11								
12								
13								
14	* Replaced 1000AL with 1250CU from Station 10 -16 in 2009							
15								
16	* Replaced 1000AL with 1250CU from Station 16 -11 in 2010							
17								
18	*Revised miles in 2017 to match the NX-9 data at ISO New England							
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	9.58		8	

* where other than 60 cycle, 3 phase, so indicate.

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.
2. Substations which serve but one industrial or street railway customer should not be listed hereunder.
3. Substations with capacities of less that 5000 kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.
4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.
5. Show in columns (i), (j), and (k) special equipment such as rotary converters, rectifiers, condensers, etc. and auxiliary equipment for increasing capacity.
6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner or other party is an associated company.

Line No.	Name and Location of Substation (a)	Character of Substation (b)	Voltage			Capacity of Substation in kva (In Service) (f)	Number of Transformers In Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number of Units (j)	Total Capacity (k)
1	STATION 4 PLAIN STREET	DISTRIBUTION	115	13.8		100,000	2	0	NONE		
2	STATION 10 MIDDLE	DISTRIBUTION	115	13.8		90,000	2	0	NONE		
3	STATION 8 CHURCHILL	DISTRIBUTION	115	13.8		90,000	2	0	NONE		
4											
5											
6	* Installed new 2nd transformer at										
7	Station 8 in 2010										
8											
9											
10	* Replaced T2 at station 4 in 2018										
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26					TOTALS	280,000	6	0			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.			Length (Pole Miles)		
			Wood Poles	Steel Towers	Total
1	Miles - Beginning of Year	104.79			104.79
2	Added During Year	0.00			0.00
3	Retired During Year	0.00			0.00
4	Miles - End of Year	104.79			104.79
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (kva)
16	Number at beginning of year:	11,097	16,918	2,617	390,806
17	Additions during year				
18	Purchased		690	8	400
19	Installed	3	11	40	5,450
20	Associated with utility plant acquired				
21	Total Additions	3	701	48	5,850
22	Reductions during year:				
23	Retirements	8	487	25	2,845
24	Associated with utility plant sold				
25	Total Reductions	8	487	25	2,845
26	Number at end of year	11,092	17,132	2,640	393,811
27	In stock		600	154	27,955
28	Locked meters on customers' premises				
29	Inactive transformers on system				
30	In customers' use		16,532	2,486	365,856
31	In company's use				
32	Number at end of year		17,132	2,640	393,811

*

CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE - (Distribution System)

Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.

Line No.	Designation of Underground System	Miles of Conduit Bank (All Sizes and Types)		Underground Cable		Submarine Cable	
				Miles *	Operating Voltage	Feet *	Operating Voltage
	(a)	(b)		(c)	(d)	(e)	(f)
1	UNDERGROUND DISTRIBUTION SYSTEM	47.50		62.26	13.8kv		
2							
3							
4							
5							
6							
7							
8	Note: UG cable miles revised in 2017 to reflect GPS number						
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
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24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
49	TOTALS	47.50	0.00	62.26		0	0

*indicate number of conductors per cable

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town	Total	Type							
			Incandescent		LED Streetlights		PWED's		High Press. Sodium	
			Municipal	Other	Municipal	Other	LED	METAL HALIDE	Municipal	Other
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Braintree	4,222	35		3,969		100	118	0	
2										
3										
4										
5										
6										
7										
8	Note: BELD began to install new LED									
9	Streetlights in town beginning near end of 2015 and									
10	completed instalation in fall of 2017									
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
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41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52	TOTALS	4222	35	0	3969	0	100	118	0	0

Next Page is 79

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	M.D.P.U. Number	Rate Schedule	Estimated Effect on Annual Revenues	
			Increases	Decreases
		See Attached Current Rate Schedules		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

.... Mayor

.... Manager of Electric Light

William G. Bottiggi

....)

Thomas J. Reynolds, Chairman

.... Selectmen

Anthony L. Agnitti, Vice - Chairman or

..... > Members

James P. Regan, Secretary of the

.... Municipal

Light

.... Board

....)

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

.... SS .... 20 .....

Then personally appeared ....

....

....

....

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

Notary Public or

.... Justice of the Peace

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TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

RESIDENTIAL SERVICE RATE FOR COMMUNITY SOLAR

Mass. DPU #208
cancels
MASS. DPU #198

Designation: A-1CS

Applicable To: Residential customers for all domestic uses in individual residences who voluntarily wish to participate in BELD's Community Solar Program by purchasing Solar in accordance with this Rate.

Participation Criteria: Participating customer will receive a specified amount of Community Solar kilowatts from a solar array located in Braintree. BELD will close the Community Solar Program under this rate once maximum subscription has been achieved and in accordance with DOER guidelines for BELD's Program. BELD reserves the right to discontinue this Program and the A-1CS Rate should the solar generating facility upon which it is based ceases to exist prior to the end of the 10-year Term as defined below.

Rate: The following charges are assessed on a monthly basis.

NOTE: The Community Solar Charge will be fixed at $0.15000 per kWh. The Community Solar Charge will be fixed at that rate for the period of January 2019 through December 2028 ("Term"). All other charges that make up this A-1CS Rate are subject to change.

Customer Charge:	$5.12
Energy Charge:	$0.08641 per kWh
Community Solar Charge:	$0.15000 per kWh (Fixed)
Transmission Charge:	$0.01221er kWh
Distribution Charge:	$0.04010 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 Energy Charge, Generation Charge, or Customer Charge.
Senior Citizen Discount:	An additional discount of 5% of the bill, for senior citizens (over 65) 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:	$5.12 per month
Effective Date:	January 1, 2019 - December 31, 2028 (max 10 year period)

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

LARGE POWER SERVICE
MASS. DPU #206
cancels
Mass. DPU #195

Designation: P-1

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:	$0.08641 per kWh
Transmission Charge:	$0.01464 per kWh
Distribution Charge:	$0.04104 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 Demand Charge for the month.

Billing Demand: The 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 4 will be used to calculate the monthly Demand Charge.

Primary Metering: This rate shall apply to meter measurements at the primary side of the transformer at customer's location.

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.

Effective Date: January 1, 2023

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

LARGE POWER SERVICE FOR COMMUNITY SOLAR

Mass. DPU #209
Cancels
Mass. DPU #196

Designation: P-1CS

Applicable to: Any participating Community Solar 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.

Participation Criteria: Participating customer will receive a specified amount of Community Solar kWh's from a solar array located in Braintree. BELD will close the Community Solar Program under this rate once maximum subscription has been achieved and in accordance with DOER guidelines for BELD's Program. BELD reserves the right to discontinue this Program and the P-1CS Rate should the solar generating facility upon which it is based ceases to exist prior to the end of the 10-year Term as defined below.

Rate: The following charges are assessed on a monthly basis.

NOTE: The Community Solar Credit will be fixed at $0.06891 per kWh. The Community Solar Credit will be fixed at that rate for the period of January 2019 through December 2028 ("Term"). All other charges that make up this G-2CS Rate are subject to change.

Customer Charge:	$50.00 per month
Demand Charge:	$7.59 per kVA
Energy Charge:	$0.08641 per kWh
Community Solar Credit:	-$0.06891 per kWh (Fixed)
Transmission Charge:	$0.01464 per kWh
Distribution Charge:	$0.04104 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, Solar 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.

Specific 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.

Billing Demand: All billing demand charges 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: January 1, 2019 - December 31, 2028 (max 10 year period)

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

LARGE COMMERCIAL HEATING AND COOLING SERVICE

Mass. DPU #205
cancels
Mass. DPU #194

Designation: H-1

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 its energy requirements for heating, cooling and controlled hot water heating from electricity, and where the entire service is delivered through one meter.

Rate:

Customer Charge:	$25.00
Demand Charge:	$8.30 per kW Demand
Energy Charge:	$0.08641 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 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.

Billing Demand: The 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 4 will be used to calculate the monthly Demand Charge.

Payment: 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.

Effective Date: January 1, 2023

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

LARGE GENERAL SERVICE

Mass. DPU #202
cancels
Mass. DPU #191

Designation: G-2

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:	$0.08641 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 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.

Billing Demand: The 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 4 will be used to calculate the monthly demand charge.

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.

Effective Date: January 1, 2023

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

LARGE GENERAL SERVICE RATE FOR COMMUNITY SOLAR

Mass. DPU #204
Cancels
Mass. DPU #193

Designation: G-2CS

Applicable To: Any customer having a demand of 75 kW or more who voluntarily wishes to participate in BELD's Community Solar Program by purchasing Solar in accordance with this Rate.

Participation Criteria: Participating customer will receive a specified amount of Community Solar kilowatts from a solar array located in Braintree. BELD will close the Community Solar Program under this rate once maximum subscription has been achieved and in accordance with DOER guidelines for BELD's Program. BELD reserves the right to discontinue this Program and the G-2CS Rate should the solar generating facility upon which it is based ceases to exist prior to the end of the 10-year Term as defined below.

Rate: The following charges are assessed on a monthly basis.

NOTE: The Community Solar Credit will be fixed at $0.06891 per kWh. The Community Solar Credit will be fixed at that rate for the period of January 2019 through December 2028 ("Term"). All other charges that make up this G-2CS Rate are subject to change.

Customer Charge:	$25.00
Demand Charge:	$10.05 per kW Demand
Energy Charge:	$0.08641 per kWh
Community Solar Credit:	-$0.06891 per kWh (Fixed)
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 all billing demand charges 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.

Specific 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.

Billing Demand: All billing demand charges 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: January 1, 2019 - December 31, 2028 (max 10 year period)

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

LARGE GENERAL SERVICE RATE FOR COMMUNITY BATTERY STORAGE

Mass. DPU #203
Cancels
Mass. DPU #192

Designation: G-2CB

Applicable To: Any customer having a demand of 75 kW or more who voluntarily wishes to participate in BELD's Community Battery Storage Program by purchasing Battery Storage in accordance with this Rate, and is not already participating in BELD's Community Solar Program..

Participation Criteria: Participating customer submits request on applicable form for specified kW amount of Battery Storage and submits payment of a one-time sign-up charge of $130/kW. Participating customer may not be engaged in any manufacturing activity in order to be eligible for this G-2CB Rate. BELD reserves the right to close enrollment in this Rate at any time. Battery Storage Demand Charge will remain $7.05/kW through December 31, 2028.

Rate: The following charges are assessed on a monthly basis.

Customer Charge:	$25.00
Demand Charge:	$10.05 per kW Demand
Energy Charge:	$0.08641 per kWh
Transmission Charge:	$0.02150 per kWh
Distribution Charge:	$0.03956 per kWh
Battery Storage Demand Credit:	-$10.05 per kW purchased
Battery Storage Demand Charge:	$ 7.05 per kW purchased

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, Battery Demand Charge or Customer Charge.

Minimum Bill: The Customer Charge plus all billing demand

charges 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.

Specific 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 Notice: 12 months notice required in writing by the Customer to withdraw from the Rate for any reason.

Billing Demand: All billing demand charges 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: January 1, 2019 - December 31, 2028 (max 10 year period)

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

ENROLLMENT FORM - LARGE GENERAL SERVICE
COMMUNITY BATTERY STORAGE PROGRAM

The customer below seeks to enroll in BELD's Community Battery Storage Program. Participation in BELD's Community Battery Storage by Large General Service customers is governed by the provisions of BELD's Large General Service Rate for Community Battery Storage, G-2CB. Customer understands that as a condition to receiving service under BELD's Rate G-2CB, it must make a one-time up-front payment (or enrollment fee) equal to $130/kW. The customer will be invoiced by BELD and the enrollment fee must be made before service under BELD's Rate G-2CB (and the associated credits) will commence.

By signing below, you represent that the customer is not engaged in any manufacturing activities as the service address, that you have authority to sign for the customer and that you agree to participate in BELD's Community Battery Storage Program on the terms and conditions set forth in BELD's G-2CB Rate.

Customer Signature: _____Date:_____

Customer Name:_____

Name /Title of Individual Signing:_____

BELD Account Number: _____ Service Address:_____

Billing Address (if different): _____

Telephone (Primary):_____Telephone (Secondary):_____

Email Address:_____

Enrolled kW Amount _____

Note: *BELD RESERVES THE RIGHT TO CLOSE ENROLLMENT IN THIS RATE AT ANY TIME*

For Office Use Only:

Amount of Enrollment Fee:_____Date Invoiced:_____

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

SMALL GENERAL SERVICE

Mass. DPU #201
cancels
Mass. DPU #190

Designation: G-1

Applicable To: Any non-residential 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:	$0.08641 per kWh
Transmission Charge:	$0.02121 per kWh
Distribution Charge:	$0.03815 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, Generation Charge or Customer Charge.

Minimum Bill: $6.51 per month.

Payment: 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.

Effective Date: January 1, 2023

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

Economic Development Rate

Mass. DPU # 207
Cancels
Mass. DPU # 197

Designation: E-1

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 (1) 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
Energy Charge:	$0.08641 per kWh
Transmission Charge:	$0.01464 per kWh
Distribution Charge:	$0.02554 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 Demand Charge for the month.

Billing Demand: The 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 4 will be used to calculate the monthly Demand Charge.

Primary Metering: This rate shall apply to meter measurements at the primary side of the transformer at customer's location.

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.

Effective Date: January 1, 2023

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

POWER WHEELING SERVICE

MDPU #210 (Cancels MDPU #199)

DESIGNATION: W - 115

AVAILABLE IN: Braintree, Massachusetts at 115,000 volts (115 kV) and 13,800 volts (13.8 kV)

APPLICABLE TO: Independent Power Producers, other electric utilities, and qualifying cogeneration or small power producers with generating facilities who desire to sell power to others located on or off Braintree system. Capacity contingent upon availability and at the discretion of the Department.

TOTAL MONTHLY RATE PER KILOWATT OF CONTRACTED CAPACITY: **$12.97/kW**

GENERAL TERMS AND CONDITIONS:

1. Customer will contract for a fixed monthly transmission capacity reservation for a minimum period of three (3) years. Contract will continue on an annual basis thereafter.

2. Customer shall give advance notice of six (6) months for purposes of increasing capacity reservation. Increased capacity shall be contingent upon availability and at the discretion of the Department.

3. Inadvertent excess and uncontracted additional capacity requirements placed on the Braintree system shall be billed at twelve (12) times the above rate for such excess. The excess will continue to be billed at twelve (12) times the above rate, until such time as the excess condition is removed or until contracted with the Department.

4. Connection to the Braintree system shall be at customer expense. Space shall be provided for metering of capacity requirements placed on system by customer. Customer will pay the Department for any metering installation performed by Braintree.

PAYMENT TERMS: Customer shall be billed monthly for contracted capacity at the above rate. **The above rate will be updated annually by Braintree Electric Light Dept.** All bills shall be payable upon receipt. Bills unpaid after thirty (30) days shall be subject to an interest charge of 1.5% per month on the unpaid balance.

EFFECTIVE DATE: **August 1, 2023**

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

TARIFF AND TERMS AND CONDITIONS FOR INDUSTRIAL CUSTOMERS HAVING A DEMAND CHARGE AND INSTALLING A RENEWABLE DISTRIBUTED GENERATION FACILITY

Mass. DPU #173

Cancels

Mass. DPU #162

Designation: DG-P1

Availability: This tariff, and the terms and conditions contained therein, apply to certain renewable generation facilities located on the customer's premises, i.e., the same place at which it receives electric service from the Braintree Electric Light Department ("BELD"), where such facilities are owned or leased by the customer and used solely for the purpose of the customer's own consumption, meaning that the customer shall not be a net supplier of energy to the BELD on a recurring annual basis. Net metering, as set forth herein, is available for any qualifying renewable distributed generation facility including, but not limited to, Wind, Photovoltaics, Biomass, Hydroelectric, Fuel Cells, Combined Heat and Power (CHP) Generation, and Municipal Solid Waste ("Renewable Distributed Generation Facility"). Other tariffs and requirements apply for larger generation facilities. The use of a Renewable Distributed Generation Facility for providing service to a third party is strictly prohibited. The availability of net metering to a customer that owns or leases a Renewable Distributed Generation Facility is subject to the terms and conditions of this tariff, as well as the Braintree Electric Light Department's Distributed Generation Interconnection Policy and the Braintree Electric Light Department's general Terms and Conditions for Electric Service, where not inconsistent, as may be in effect from time to time. In its sole discretion, the Braintree Electric Light Department may limit the cumulative generating capacity of all Renewable Distributed Generation Facilities within its service territory.

System Size: Total system size shall be limited to a maximum of 500kW DC. All systems installed that are larger than 500kW DC shall be under a separate PPA.

Net Metering Requirements: All Renewable Distributed Generation (DG) Facilities must be equipped with a separate revenue quality production meter. This meter will be provided by the Braintree Electric Light Department to accurately record the kWh output from the facility.

Rate: MONTHLY BILLING OF THE RENEWABLE DISTRIBUTED GENERATION FACILITY CUSTOMER

The customer will be billed the full applicable rate for power delivered by BELD and recorded in kilowatt hours (kWh) on the utility billing meter.

The BELD distribution charge shall be applied to all energy (kWh) produced by the distributed generation (DG) facility and used for customer internal consumption. This amount is qualified using the utility billing meter and the utility DG production meter.

All excess power produced by the DG facility and exported to the BELD system is recorded by the utility billing meter and credited to the customer on their monthly invoice at the BELD energy rate only. All other components of rates and charges are not included in the credit amount.

There is no monthly charge for the qualifying DG facility production meter.

See attached one-line diagram for detailed depiction of distributed generation facility.

All applicable charges are billed in accordance with the BELD P-1 industrial tariff.

Minimum Bill: There is no minimum amount on a monthly bill. Billing is based solely on kWh produced by the facility.

Interconnection Terms and Conditions: The Braintree Electric Light Department ("Department") shall own and install any interconnection facilities on the Department side of the meter required for the facility. The costs associated with the installation and maintenance of the Renewable Distributed Generation Facility will be borne by the customer. These costs include, but are not limited to, the costs of connection, switching, metering, transmission, distribution, safety provisions, and administrative costs incurred by the Department directly related to the installation and maintenance of the facilities necessary to permit interconnected operations with the customer. The customer shall pay for these interconnection costs, which shall be determined as follows:

A one-time lump-sum payment equal to the estimated new installed cost of all interconnection facilities provided by the Department.

In addition to the costs detailed above, the actual costs associated with relocating and/or rearranging existing facilities to allow interconnected operation will also be borne by the customer. A monthly charge shall not apply to these costs. Payment for these costs shall be on a one-time lump-sum basis and calculated in the same manner that the Department charges its other customers for similar work.

The Renewable Distributed Generation Facility will have equipment specifications and plans for control devices, interconnection facilities and protective devices approved by the Department in advance of energizing the facility. Such protective devices shall include an outdoor manual disconnect switch. The relays and protective equipment shall be subject, at all reasonable times, to inspection by the Department's authorized representative.

The customer shall furnish, install and maintain, at its expense, corrective apparatus which results in a power factor between 95% lagging and unity (100%) under ordinary operating conditions, as measured at the Point of Common Coupling.

Parallel operation must cease, immediately and automatically during system outages and other emergency or abnormal conditions specified by the Department. The Renewable Distributed Generation Facility must cease parallel operation upon notification by the Department if such operation is determined to be unsafe, to interfere with the supply of service to others, or to interfere with system operation or maintenance.

The Department may disconnect the Renewable Distributed Generation Facility from its system at any time that the Department determines, in its sole discretion, that the safety and reliability of its system may be compromised by the operation of the Facility. In the event that the Renewable Distributed Generation Facility damages the Department's system, the customer shall be solely responsible for all costs associated with the repair and/or replacement of the damaged portion of the Department's system and/or equipment.

The Department shall not be liable to the customer or any other person for any loss, injury, damage, casualty, fees or penalties, asserted on the basis of any theory, arising from, related to or caused by the construction, installation, operation, maintenance or repair of the Renewable Distributed Generation Facility, and associated equipment and wiring, except to the extent of its own gross negligence or willful misconduct, but only to the extent permitted by law. Neither by inspection nor non-rejection nor in any other way does the Department give any warranty, expressed or implied as to the adequacy, safety or other characteristics of any equipment, wiring or devices, installed on the customer's premises, including the Renewable Distributed Generation Facility.

The customer shall indemnify and hold harmless the Braintree Electric Light Department, its commissioners, managers, employees, agents, consultants, attorneys and assigns from and against any and all losses, claims, damages, costs, demands, fines, judgments, penalties, payments and liabilities, together with any costs and expenses (including attorneys' fees) incurred in connection with, resulting from, relating to or arising out of the construction, installation, operation, maintenance and repair of the Renewable Distributed Generation Facility, including the customer's failure to comply with the Department's Terms and Conditions or any abnormality or failure in the operation of the Facility, or any adverse impact to the Department's system or its other customers. The Department strongly recommends that the customer maintain sufficient insurance to cover any damage to the Department's system caused by the construction, operation, maintenance or repair of the Facility, which shall name the Department as additional insured. The customer shall provide the Department with proof of such insurance upon request.

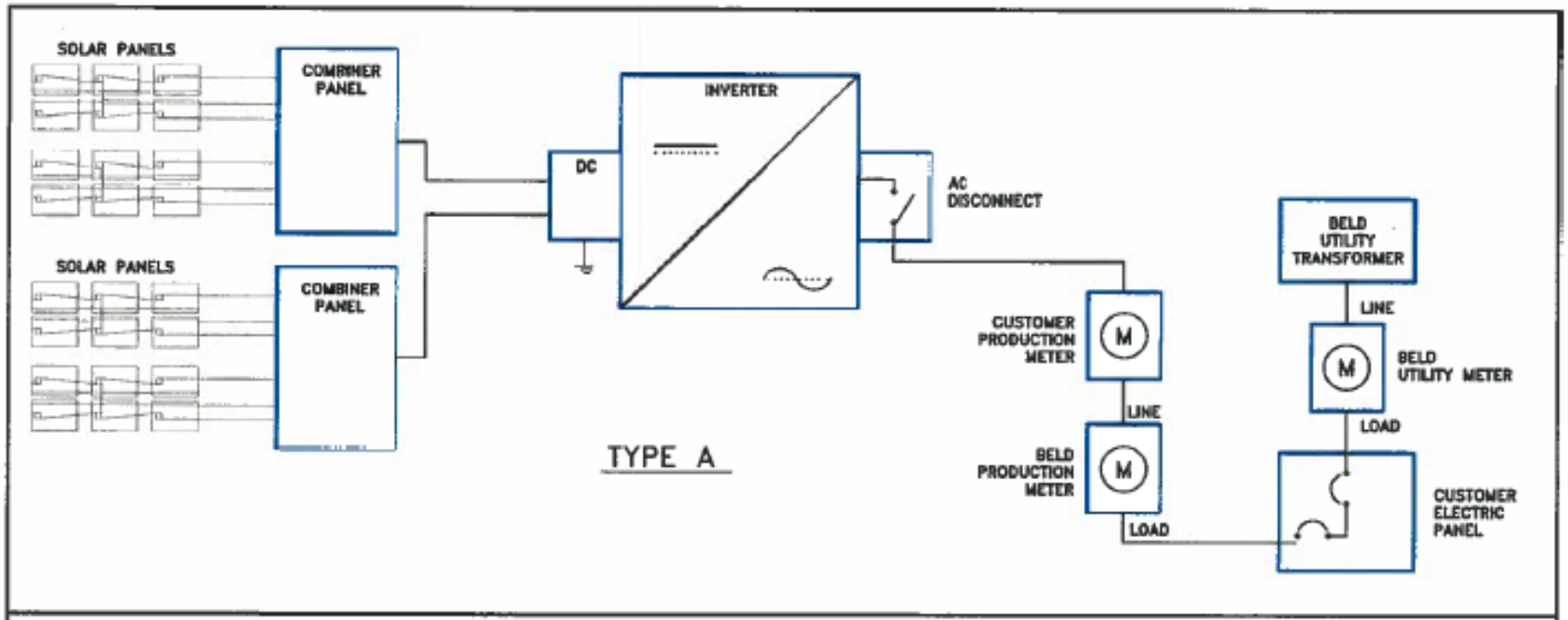
Termination: Failure of the Renewable Distributed Generation Facility to comply with any of the requirements set forth above may result in disconnection from the Braintree Electric Light Department's system. The Department's Terms and Conditions for Electric Service, in effect from time to time, where not inconsistent with any specific provisions above, are a part of this rate.

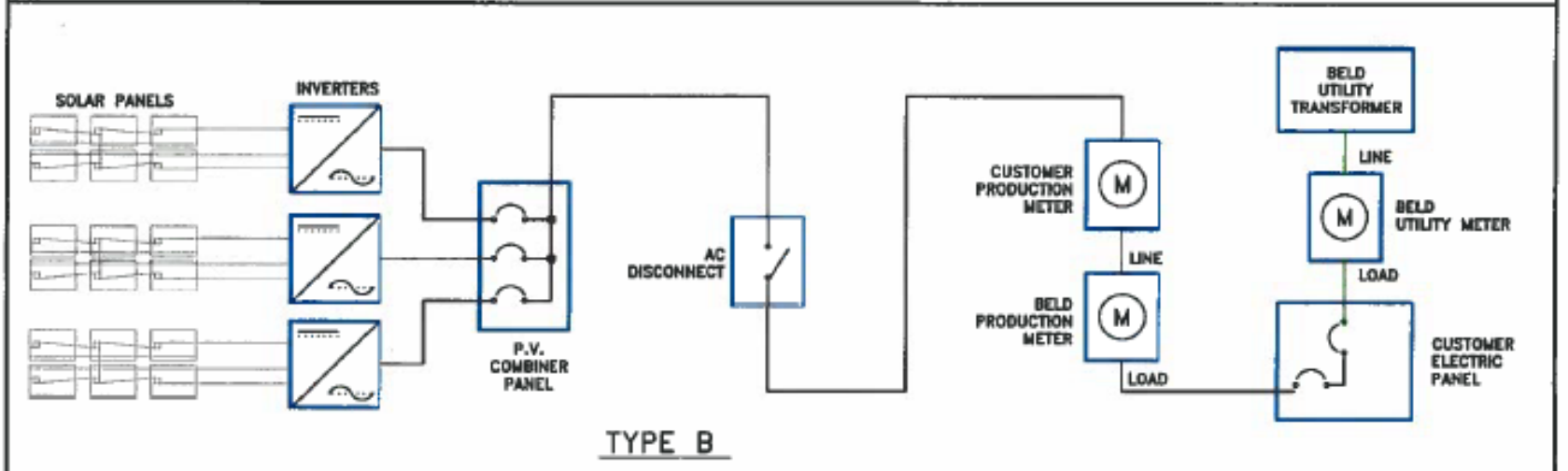
The customer may terminate service under this tariff by providing written notice to Braintree Electric Light Department. The Department reserves the right to discontinue paying credits for excess kWh at any time in its discretion, upon thirty (30) days' notice to the customer.

In the event that a transfer of ownership of the Renewable Distributed Generation Facility to a new customer occurs, the customer must notify the Braintree Electric Light Department in writing.

Payment Terms: The Braintree Electric Light Department will read the meter at approximately 30-day intervals. Payment to the customer will first be applied to any outstanding bills. Credit balances in excess of One Hundred ($100.00) Dollars will be refunded to the customer.

Effective Date: May 1, 2017





BELD

BRAINTREE ELECTRIC LIGHT DEPARTMENT
BRAINTREE, MASSACHUSETTS

NOTES:

1. ALL INSTALLATIONS TO BE APPROVED BY BELD ENGINEERING.
2. ALL INSTALLATIONS TO COMPLY WITH APPLICABLE ELECTRIC CODES AND BE INSPECTED BY LOCAL AUTHORITY HAVING JURISDICTION.

DRAWN:	NMT
APPD:	SM
DATE:	03/17/17

TITLE:

DG/SOLAR ELECTRICAL ONE LINE DIAGRAM

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

TARIFF AND TERMS AND CONDITIONS FOR COMMERCIAL CUSTOMERS HAVING A DEMAND CHARGE AND INSTALLING A RENEWABLE DISTRIBUTED GENERATION FACILITY

Mass. DPU #172

Cancels

Mass. DPU #155

Designation: DG-G2

Availability: This tariff, and the terms and conditions contained therein, apply to certain renewable generation facilities located on the customer's premises, i.e., the same place at which it receives electric service from the Braintree Electric Light Department ("BELD"), where such facilities are owned or leased by the customer and used solely for the purpose of the customer's own consumption, meaning that the customer shall not be a net supplier of energy to the BELD on a recurring annual basis. Net metering, as set forth herein, is available for any qualifying renewable distributed generation facility including, but not limited to, Wind, Photovoltaics, Biomass, Hydroelectric, Fuel Cells, Combined Heat and Power (CHP) Generation, and Municipal Solid Waste ("Renewable Distributed Generation Facility"). Other tariffs and requirements apply for larger generation facilities. The use of a Renewable Distributed Generation Facility for providing service to a third party is strictly prohibited. The availability of net metering to a customer that owns or leases a Renewable Distributed Generation Facility is subject to the terms and conditions of this tariff, as well as the Braintree Electric Light Department's Distributed Generation Interconnection Policy and the Braintree Electric Light Department's general Terms and Conditions for Electric Service, where not inconsistent, as may be in effect from time to time. In its sole discretion, the Braintree Electric Light Department may limit the cumulative generating capacity of all Renewable Distributed Generation Facilities within its service territory.

System Size: Total system size shall be limited to a maximum of 500kW DC. All systems installed that are larger than 500kW DC shall be under a separate PPA.

Net Metering Requirements: All Renewable Distributed Generation (DG) Facilities must be equipped with a separate revenue quality production meter. This meter will be provided by the Braintree Electric Light Department to accurately record the kWh output from the facility.

Rate: MONTHLY BILLING OF THE RENEWABLE DISTRIBUTED GENERATION FACILITY CUSTOMER

The customer will be billed the full applicable rate for power delivered by BELD and recorded in kilowatt hours (kWh) on the utility billing meter.

The BELD distribution charge shall be applied to all energy (kWh) produced by the distributed generation (DG) facility and used for customer internal consumption. This amount is qualified using the utility billing meter and the utility DG production meter.

All excess power produced by the DG facility and exported to the BELD system is recorded by the utility billing meter and credited to the customer on their monthly invoice at the BELD energy rate only. All other components of rates and charges are not included in the credit amount.

There is no monthly charge for the qualifying DG facility production meter.

See attached one-line diagram for detailed depiction of distributed generation facility.

All applicable charges are billed in accordance with the BELD G-2 commercial tariff.

Minimum Bill: There is no minimum amount on a monthly bill. Billing is based solely on kWh produced by the facility.

Interconnection Terms and Conditions: The Braintree Electric Light Department ("Department") shall own and install any interconnection facilities on the Department side of the meter required for the facility. The costs associated with the installation and maintenance of the Renewable Distributed Generation Facility will be borne by the customer. These costs include, but are not limited to, the costs of connection, switching, metering, transmission, distribution, safety provisions, and administrative costs incurred by the Department directly related to the installation and maintenance of the facilities necessary to permit interconnected operations with the customer. The customer shall pay for these interconnection costs, which shall be determined as follows:

A one-time lump-sum payment equal to the estimated new installed cost of all interconnection facilities provided by the Department.

In addition to the costs detailed above, the actual costs associated with relocating and/or rearranging existing facilities to allow interconnected operation will also be borne by the customer. A monthly charge shall not apply to these costs. Payment for these costs shall be on a one-time lump-sum basis and calculated in the same manner that the Department charges its other customers for similar work.

The Renewable Distributed Generation Facility will have equipment specifications and plans for control devices, interconnection facilities and protective devices approved by the Department in advance of energizing the facility. Such protective devices shall include an outdoor manual disconnect switch. The relays and protective equipment shall be subject, at all reasonable times, to inspection by the Department's authorized representative.

The customer shall furnish, install and maintain, at its expense, corrective apparatus which results in a power factor between 95% lagging and unity (100%) under ordinary operating conditions, as measured at the Point of Common Coupling.

Parallel operation must cease, immediately and automatically during system outages and other emergency or abnormal conditions specified by the Department. The Renewable Distributed Generation Facility must cease parallel operation upon notification by the Department if such operation is determined to be unsafe, to interfere with the supply of service to others, or to interfere with system operation or maintenance.

The Department may disconnect the Renewable Distributed Generation Facility from its system at any time that the Department determines, in its sole discretion, that the safety and reliability of its system may be compromised by the operation of the Facility. In the event that the Renewable Distributed Generation Facility damages the Department's system, the customer shall be solely responsible for all costs associated with the repair and/or replacement of the damaged portion of the Department's system and/or equipment.

The Department shall not be liable to the customer or any other person for any loss, injury, damage, casualty, fees or penalties, asserted on the basis of any theory, arising from, related to or caused by the construction, installation, operation, maintenance or repair of the Renewable Distributed Generation Facility, and associated equipment and wiring, except to the extent of its own gross negligence or willful misconduct, but only to the extent permitted by law. Neither by inspection nor non-rejection nor in any other way does the Department give any warranty, expressed or implied as to the adequacy, safety or other characteristics of any equipment, wiring or devices, installed on the customer's premises, including the Renewable Distributed Generation Facility.

The customer shall indemnify and hold harmless the Braintree Electric Light Department, its commissioners, managers, employees, agents, consultants, attorneys and assigns from and against any and all losses, claims, damages, costs, demands, fines, judgments, penalties, payments and liabilities, together with any costs and expenses (including attorneys' fees) incurred in connection with, resulting from, relating to or arising out of the construction, installation, operation, maintenance and repair of the Renewable Distributed Generation Facility, including the customer's failure to comply with the Department's Terms and Conditions or any abnormality or failure in the operation of the Facility, or any adverse impact to the Department's system or its other customers. The Department strongly recommends that the customer maintain sufficient insurance to cover any damage to the Department's system caused by the construction, operation, maintenance or repair of the Facility, which shall name the Department as additional insured. The customer shall provide the Department with proof of such insurance upon request.

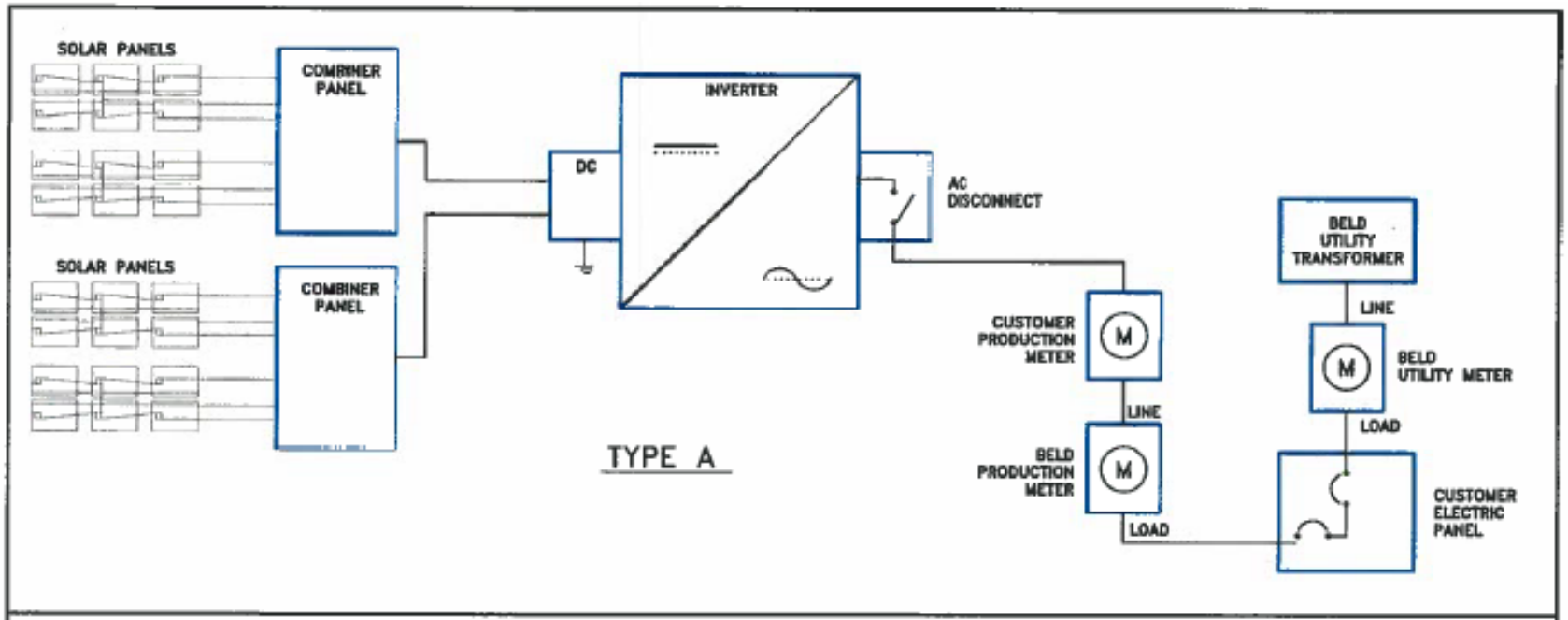
Termination: Failure of the Renewable Distributed Generation Facility to comply with any of the requirements set forth above may result in disconnection from the Braintree Electric Light Department's system. The Department's Terms and Conditions for Electric Service, in effect from time to time, where not inconsistent with any specific provisions above, are a part of this rate.

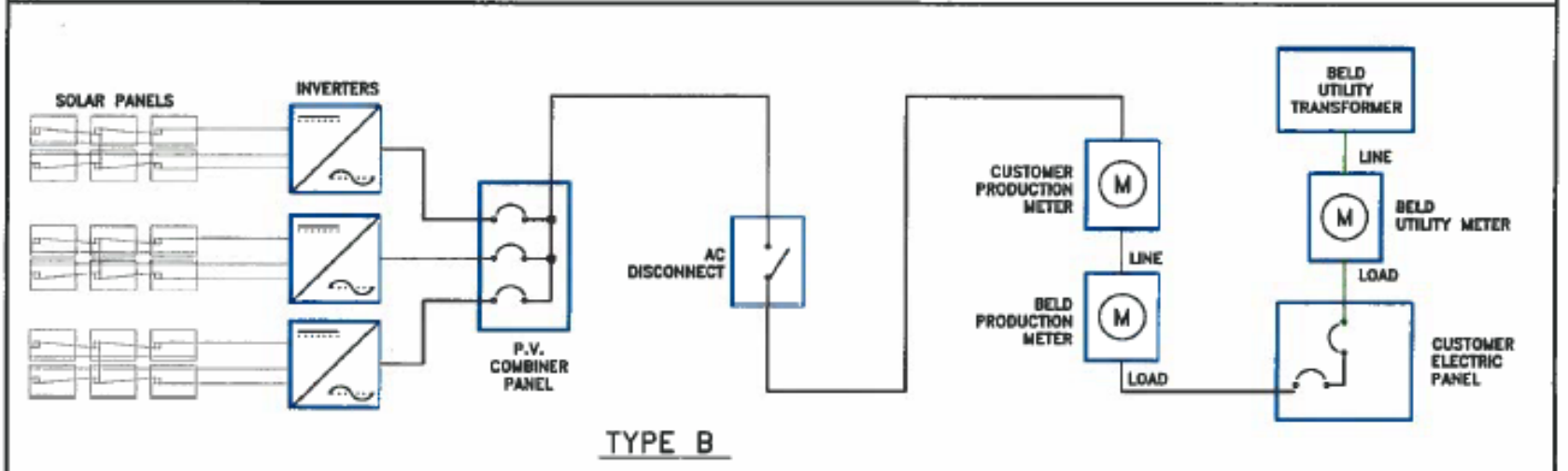
The customer may terminate service under this tariff by providing written notice to Braintree Electric Light Department. The Department reserves the right to discontinue paying credits for excess kWh at any time in its discretion, upon thirty (30) days' notice to the customer.

In the event that a transfer of ownership of the Renewable Distributed Generation Facility to a new customer occurs, the customer must notify the Braintree Electric Light Department in writing.

Payment Terms: The Braintree Electric Light Department will read the meter at approximately 30-day intervals. Payment to the customer will first be applied to any outstanding bills. Credit balances in excess of One Hundred ($100.00) Dollars will be refunded to the customer.

Effective Date: May 1, 2017





BELD

BRAINTREE ELECTRIC LIGHT DEPARTMENT
BRAINTREE, MASSACHUSETTS

NOTES:

1. ALL INSTALLATIONS TO BE APPROVED BY BELD ENGINEERING.
2. ALL INSTALLATIONS TO COMPLY WITH APPLICABLE ELECTRIC CODES AND BE INSPECTED BY LOCAL AUTHORITY HAVING JURISDICTION.

DRAWN:	NMT
APPD:	SM
DATE:	03/17/17

TITLE:

DG/SOLAR ELECTRICAL ONE LINE DIAGRAM

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

TARIFF AND TERMS AND CONDITIONS FOR COMMERCIAL CUSTOMERS HAVING NO DEMAND CHARGE AND INSTALLING A RENEWABLE DISTRIBUTED GENERATION FACILITY

Mass. DPU #171

Cancels

Mass. DPU #154

Designation: DG-G1

Availability: This tariff, and the terms and conditions contained therein, apply to certain renewable generation facilities located on the customer's premises, i.e., the same place at which it receives electric service from the Braintree Electric Light Department ("BELD"), where such facilities are owned or leased by the customer and used solely for the purpose of the customer's own consumption, meaning that the customer shall not be a net supplier of energy to the BELD on a recurring annual basis. Net metering, as set forth herein, is available for any qualifying renewable distributed generation facility including, but not limited to, Wind, Photovoltaics, Biomass, Hydroelectric, Fuel Cells, Combined Heat and Power (CHP) Generation, and Municipal Solid Waste ("Renewable Distributed Generation Facility"). Other tariffs and requirements apply for larger generation facilities. The use of a Renewable Distributed Generation Facility for providing service to a third party is strictly prohibited. The availability of net metering to a customer that owns or leases a Renewable Distributed Generation Facility is subject to the terms and conditions of this tariff, as well as the Braintree Electric Light Department's Distributed Generation Interconnection Policy and the Braintree Electric Light Department's general Terms and Conditions for Electric Service, where not inconsistent, as may be in effect from time to time. In its sole discretion, the Braintree Electric Light Department may limit the cumulative generating capacity of all Renewable Distributed Generation Facilities within its service territory.

System Size: Total system size shall be limited to a maximum of 500kW DC. All systems installed that are larger than 500kW DC shall be under a separate PPA.

Net Metering Requirements: All Renewable Distributed Generation (DG) Facilities must be equipped with a separate revenue quality production meter. This meter will be provided by the Braintree Electric Light Department to accurately record the kWh output from the facility.

Rate: MONTHLY BILLING OF THE RENEWABLE DISTRIBUTED GENERATION FACILITY CUSTOMER

The customer will be billed the full applicable rate for power delivered by BELD and recorded in kilowatt hours (kWh) on the utility billing meter.

The BELD distribution charge shall be applied to all energy (kWh) produced by the distributed generation (DG) facility and used for customer internal consumption. This amount is qualified using the utility billing meter and the utility DG production meter.

All excess power produced by the DG facility and exported to the BELD system is recorded by the utility billing meter and credited to the customer on their monthly invoice at the BELD energy rate only. All other components of rates and charges are not included in the credit amount.

There is no monthly charge for the qualifying DG facility production meter.

See attached one-line diagram for detailed depiction of distributed generation facility.

All applicable charges are billed in accordance with the BELD G-1 commercial tariff.

Minimum Bill: There is no minimum amount on a monthly bill. Billing is based solely on kWh produced by the facility.

Interconnection Terms and Conditions: The Braintree Electric Light Department ("Department") shall own and install any interconnection facilities on the Department side of the meter required for the facility. The costs associated with the installation and maintenance of the Renewable Distributed Generation Facility will be borne by the customer. These costs include, but are not limited to, the costs of connection, switching, metering, transmission, distribution, safety provisions, and administrative costs incurred by the Department directly related to the installation and maintenance of the facilities necessary to permit interconnected operations with the customer. The customer shall pay for these interconnection costs, which shall be determined as follows:

A one-time lump-sum payment equal to the estimated new installed cost of all interconnection facilities provided by the Department.

In addition to the costs detailed above, the actual costs associated with relocating and/or rearranging existing facilities to allow interconnected operation will also be borne by the customer. A monthly charge shall not apply to these costs. Payment for these costs shall be on a one-time lump-sum basis and calculated in the same manner that the Department charges its other customers for similar work.

The Renewable Distributed Generation Facility will have equipment specifications and plans for control devices, interconnection facilities and protective devices approved by the Department in advance of energizing the facility. Such protective devices shall include an outdoor manual disconnect switch. The relays and protective equipment shall be subject, at all reasonable times, to inspection by the Department's authorized representative.

The customer shall furnish, install and maintain, at its expense, corrective apparatus which results in a power factor between 95% lagging and unity (100%) under ordinary operating conditions, as measured at the Point of Common Coupling.

Parallel operation must cease, immediately and automatically during system outages and other emergency or abnormal conditions specified by the Department. The Renewable Distributed Generation Facility must cease parallel operation upon notification by the Department if such operation is determined to be unsafe, to interfere with the supply of service to others, or to interfere with system operation or maintenance.

The Department may disconnect the Renewable Distributed Generation Facility from its system at any time that the Department determines, in its sole discretion, that the safety and reliability of its system may be compromised by the operation of the Facility. In the event that the Renewable Distributed Generation Facility damages the Department's system, the customer shall be solely responsible for all costs associated with the repair and/or replacement of the damaged portion of the Department's system and/or equipment.

The Department shall not be liable to the customer or any other person for any loss, injury, damage, casualty, fees or penalties, asserted on the basis of any theory, arising from, related to or caused by the construction, installation, operation, maintenance or repair of the Renewable Distributed Generation Facility, and associated equipment and wiring, except to the extent of its own gross negligence or willful misconduct, but only to the extent permitted by law. Neither by inspection nor non-rejection nor in any other way does the Department give any warranty, expressed or implied as to the adequacy, safety or other characteristics of any equipment, wiring or devices, installed on the customer's premises, including the Renewable Distributed Generation Facility.

The customer shall indemnify and hold harmless the Braintree Electric Light Department, its commissioners, managers, employees, agents, consultants, attorneys and assigns from and against any and all losses, claims, damages, costs, demands, fines, judgments, penalties, payments and liabilities, together with any costs and expenses (including attorneys' fees) incurred in connection with, resulting from, relating to or arising out of the construction, installation, operation, maintenance and repair of the Renewable Distributed Generation Facility, including the customer's failure to comply with the Department's Terms and Conditions or any abnormality or failure in the operation of the Facility, or any adverse impact to the Department's system or its other customers. The Department strongly recommends that the customer maintain sufficient insurance to cover any damage to the Department's system caused by the construction, operation, maintenance or repair of the Facility, which shall name the Department as additional insured. The customer shall provide the Department with proof of such insurance upon request.

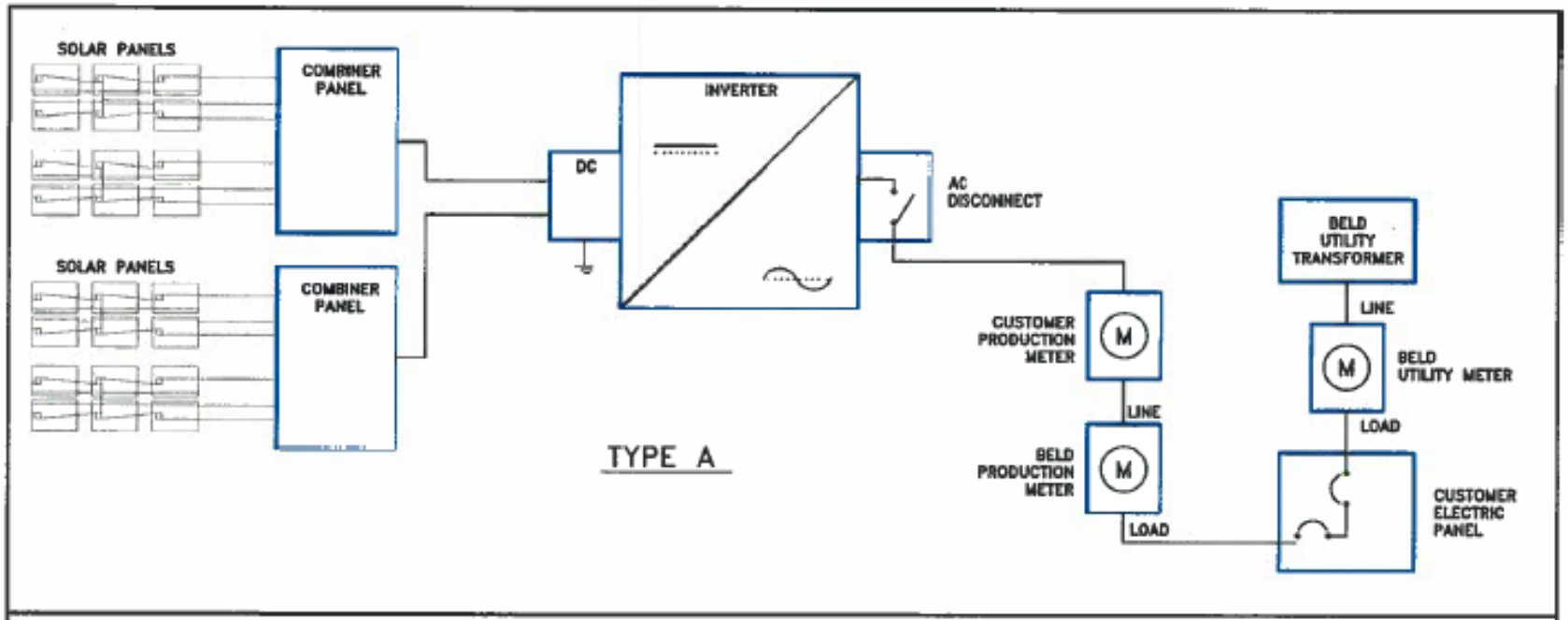
Termination: Failure of the Renewable Distributed Generation Facility to comply with any of the requirements set forth above may result in disconnection from the Braintree Electric Light Department's system. The Department's Terms and Conditions for Electric Service, in effect from time to time, where not inconsistent with any specific provisions above, are a part of this rate.

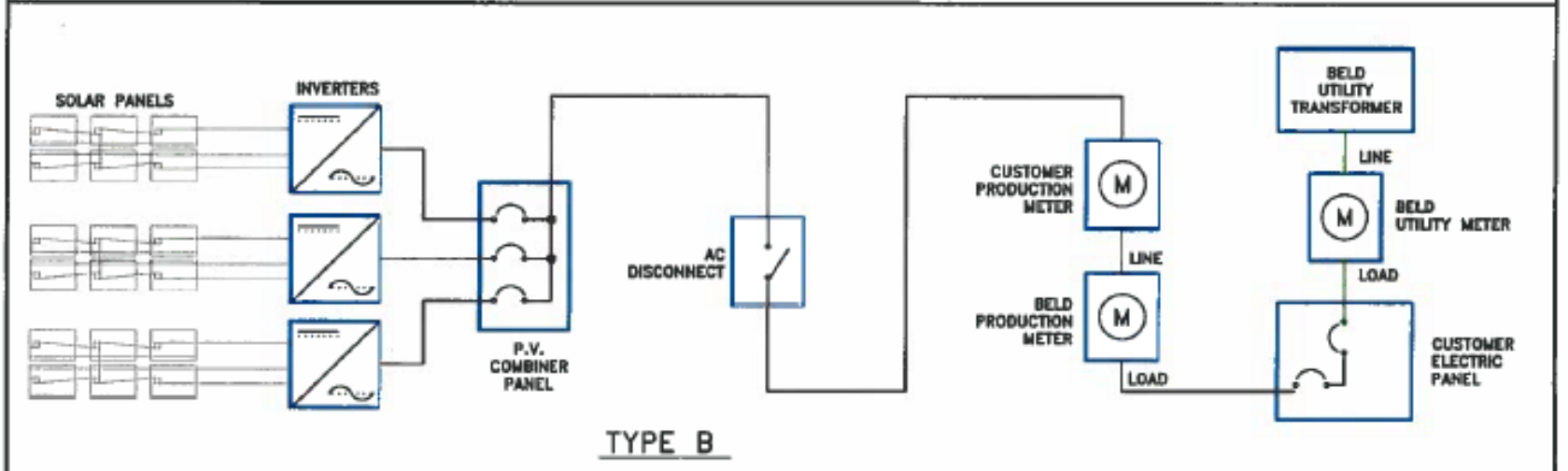
The customer may terminate service under this tariff by providing written notice to the Braintree Electric Light Department. The Department reserves the right to discontinue paying credits for excess kWh at any time in its discretion, upon thirty (30) days' notice to the customer.

In the event that a transfer of ownership of the Renewable Distributed Generation Facility to a new customer occurs, the customer must notify the Braintree Electric Light Department in writing.

Payment Terms: The Braintree Electric Light Department will read the meter at approximately 30-day intervals. Payment to the customer will first be applied to any outstanding bills. Credit balances in excess of One Hundred ($100.00) Dollars will be refunded to the customer.

Effective Date: May 1, 2017





BELD

BRAINTREE ELECTRIC LIGHT DEPARTMENT
BRAINTREE, MASSACHUSETTS

NOTES:

1. ALL INSTALLATIONS TO BE APPROVED BY BELD ENGINEERING.
2. ALL INSTALLATIONS TO COMPLY WITH APPLICABLE ELECTRIC CODES AND BE INSPECTED BY LOCAL AUTHORITY HAVING JURISDICTION.

DRAWN:	NMT
APPD:	SM
DATE:	03/17/17

TITLE:

DG/SOLAR ELECTRICAL ONE LINE DIAGRAM

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

TARIFF AND TERMS AND CONDITIONS FOR RESIDENTIAL RENEWABLE DISTRIBUTED GENERATION FACILITY SERVICE

Mass DPU # 174

Designation: DG-2

Availability: This tariff, and the terms and conditions contained therein, apply to certain renewable generation facilities located on the customer's premises, i.e., the same place at which it receives electric service from the Braintree Electric Light Department, where such facilities are owned or leased by the customer and used solely for the purpose of the customer's own consumption, meaning that the customer shall not be a net supplier of energy to the Braintree Electric Light Department on a recurring annual basis. Net metering as set forth herein is available for any qualifying renewable distributed generation facility including, but not limited to, Wind, Photovoltaics, Biomass, Hydroelectric, Fuel Cells, Combined Heat and Power (CHP) Generation, and Municipal Solid Waste with generation facilities ("Renewable Distributed Generation Facility"). The use of a Renewable Distributed Generation Facility for providing service to a third party is strictly prohibited. The availability of net metering to a customer that owns or leases a Renewable Distributed Generation Facility is subject to the terms and conditions of this tariff, as well as the Braintree Electric Light Department's Distributed Generation Interconnection Policy and the Braintree Electric Light Department's general Terms and Conditions for Electric Service, where not inconsistent, as may be in effect from time to time. In its sole discretion, the Braintree Electric Light Department may limit the cumulative generating capacity of all Renewable Distributed Generation Facilities within its service territory.

System Size: Total system size shall be limited to a maximum of 10kW. No residential photovoltaic systems over 10kW DC rating will be allowed.

Net Metering Requirements: All Renewable Distributed Generation (DG) Facilities must be equipped with a separate revenue quality production meter. This meter will be provided by the Braintree Electric Light Department to accurately record the kWh output from the facility.

Rate: MONTHLY BILLING OF THE RENEWABLE DISTRIBUTED GENERATION FACILITY CUSTOMER

The customer will be billed the full applicable rate for power delivered by BELD and recorded in kilowatt hours (kWh) on the utility billing meter.

The BELD distribution charge shall be applied to all energy (kWh) produced by the distributed generation (DG) facility and used for customer internal consumption. This amount is qualified using the utility billing meter and the utility DG production meter.

All excess power produced by the DG facility and exported to the BELD system is recorded by the utility billing meter and credited to the customer on their monthly invoice at the BELD energy rate only. All other components of rates and charges are not included in the credit amount.

There is no monthly charge for the qualifying DG facility production meter.

See attached one-line diagram for detailed depiction of distributed generation facility.

All applicable charges are billed in accordance with the BELD A-1 residential tariff.

Minimum Bill: The Braintree Electric Light Department's corresponding monthly customer charge.

Interconnection Terms and Conditions: The Braintree Electric Light Department ("Department") shall own and install any interconnection facilities on the Department side of the meter required for the facility. The costs associated with the installation and maintenance of the Renewable Distributed Generation Facility will be borne by the customer. These costs include, but are not limited to, the costs of connection, switching, metering, transmission, distribution, safety provisions, and administrative costs incurred by the Department directly related to the installation and maintenance of the facilities necessary to permit interconnected operations with the customer. The customer shall pay for these interconnection costs, which shall be determined as follows:

A one-time lump-sum payment equal to the estimated new installed cost of all interconnection facilities provided by the Department.

In addition to the costs detailed above, the actual costs associated with relocating and/or rearranging existing facilities to allow interconnected operation will also be borne by the customer. A monthly charge shall not apply to these costs. Payment for these costs shall be on a one-time lump-sum basis and calculated in the same manner that the Department charges its other customers for similar work.

The Renewable Distributed Generation Facility will have equipment specifications and plans for control devices, interconnection facilities and protective devices approved by the Department in advance of energizing the facility. Such protective devices shall include an outdoor manual disconnect switch. The relays and protective equipment shall be subject, at all reasonable times, to inspection by the Department's authorized representative.

The customer shall furnish, install and maintain, at its expense, corrective apparatus which results in a power factor between 95% lagging and unity (100%) under ordinary operating conditions, as measured at the Point of Common Coupling.

Parallel operation must cease, immediately and automatically during system outages and other emergency or abnormal conditions specified by the Department. The Renewable Distributed Generation Facility must cease parallel operation upon notification by the Department if such

operation is determined to be unsafe, to interfere with the supply of service to others, or to interfere with system operation or maintenance.

The Department may disconnect the Renewable Distributed Generation Facility from its system at any time that the Department determines, in its sole discretion, that the safety and reliability of its system may be compromised by the operation of the Facility. In the event that the Renewable Distributed Generation Facility damages the Department's system, the customer shall be solely responsible for all costs associated with the repair and/or replacement of the damaged portion of the Department's system and/or equipment.

The Department shall not be liable to the customer or any other person for any loss, injury, damage, casualty, fees or penalties, asserted on the basis of any theory, arising from, related to or caused by the construction, installation, operation, maintenance or repair of the Renewable Distributed Generation Facility, and associated equipment and wiring, except to the extent of its own gross negligence or willful misconduct, but only to the extent permitted by law. Neither by inspection nor non-rejection nor in any other way does the Department give any warranty, expressed or implied as to the adequacy, safety or other characteristics of any equipment, wiring or devices, installed on the customer's premises, including the Renewable Distributed Generation Facility.

The customer shall indemnify and hold harmless the Braintree Electric Light Department, its commissioners, managers, employees, agents, consultants, attorneys and assigns from and against any and all losses, claims, damages, costs, demands, fines, judgments, penalties, payments and liabilities, together with any costs and expenses (including attorneys' fees) incurred in connection with, resulting from, relating to or arising out of the construction, installation, operation, maintenance and repair of the Renewable Distributed Generation Facility, including the customer's failure to comply with the Department's Terms and Conditions or any abnormality or failure in the operation of the Facility, or any adverse impact to the Department's system or its other customers. The Department strongly recommends that the customer maintain sufficient insurance to cover any damage to the Department's system caused by the construction, operation, maintenance or repair of the Facility, which shall name the Department as additional insured. The customer shall provide Department with proof of such insurance upon request.

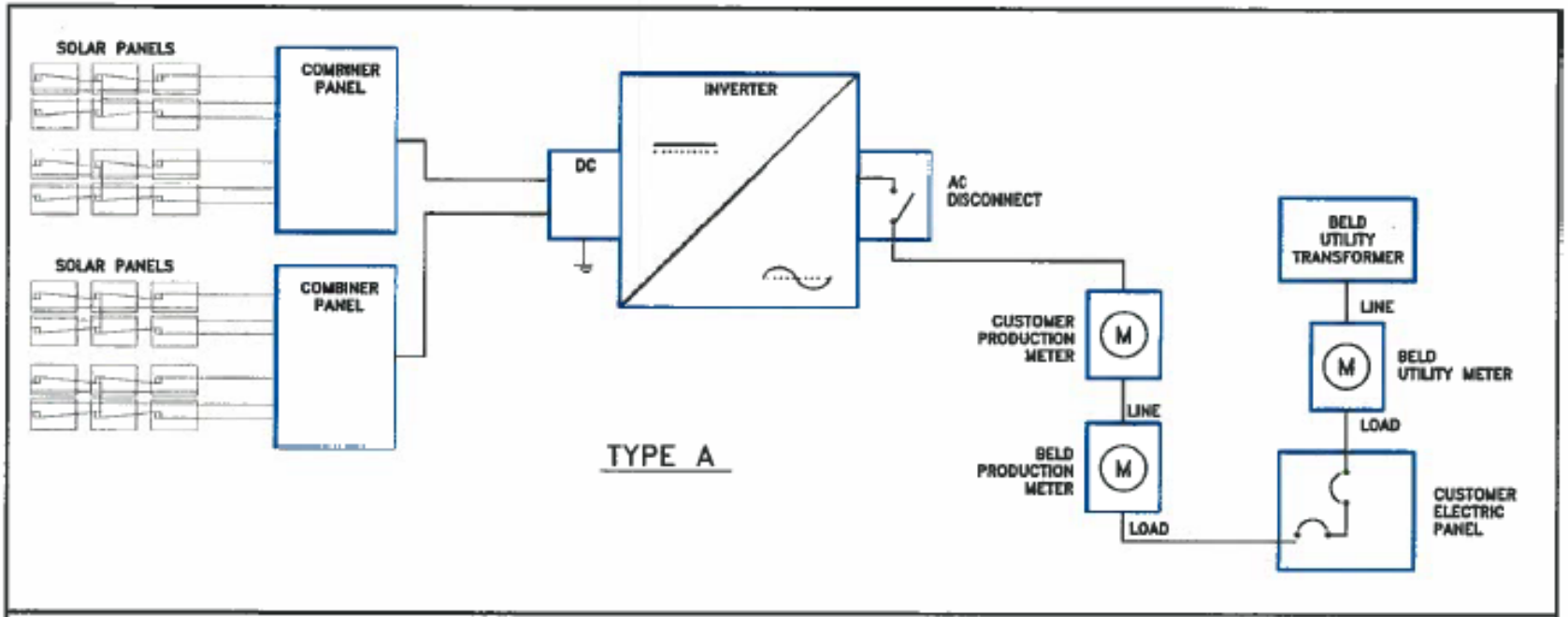
Termination: Failure of the Renewable Distributed Generation Facility to comply with any of the requirements set forth above may result in disconnection from the Department's system. The Department's Terms and Conditions for Electric Service, in effect from time to time where not inconsistent with any specific provisions above, are a part of this rate.

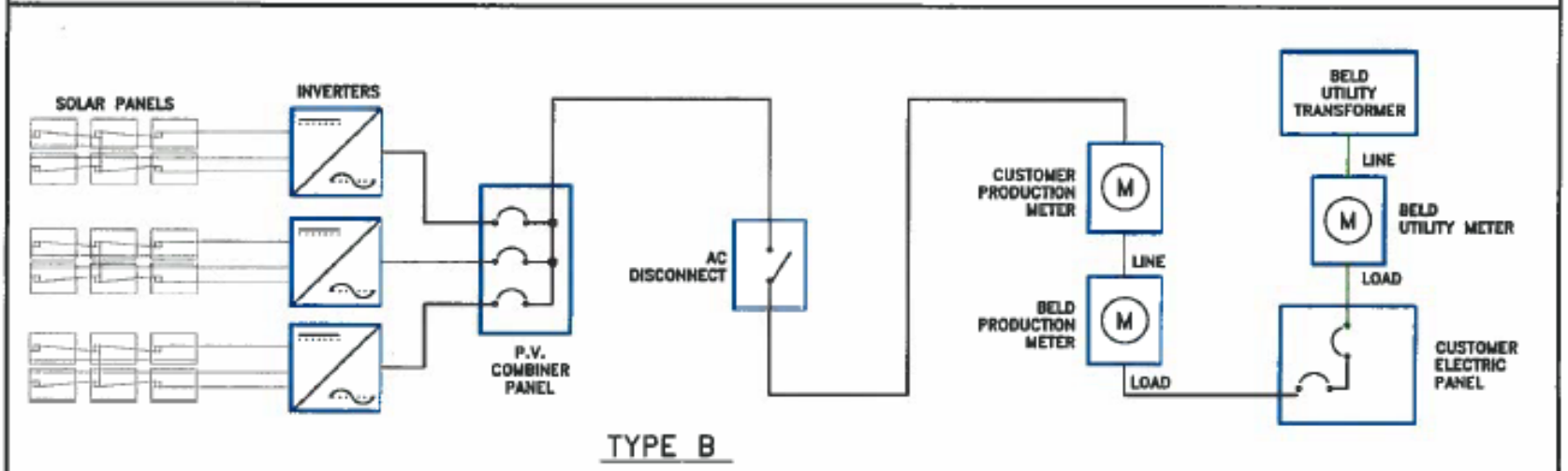
The customer may terminate service under this tariff by providing written notice to the Braintree Electric Light Department. The Department reserves the right to discontinue paying credits for excess kWh at any time in its discretion, upon thirty (30) days' notice to the customer.

In the event that a transfer of ownership of the Renewable Distributed Generation Facility to a new customer occurs, the customer must notify the Braintree Electric Light Department in writing.

Payment Terms: The Braintree Electric Light Department will read the meter at approximately 30-day intervals. Payment to the customer will first be applied to any outstanding bills. Credit balances in excess of One Hundred ($100.00) Dollars will be refunded to the customer.

Effective Date: May 1, 2017 This rate is effective for all new installations after May 1, 2017.





BELD

BRAINTREE ELECTRIC LIGHT DEPARTMENT
BRAINTREE, MASSACHUSETTS

NOTES:

1. ALL INSTALLATIONS TO BE APPROVED BY BELD ENGINEERING.
2. ALL INSTALLATIONS TO COMPLY WITH APPLICABLE ELECTRIC CODES AND BE INSPECTED BY LOCAL AUTHORITY HAVING JURISDICTION.

DRAWN:	NMT
APPD:	SM
DATE:	03/17/17

TITLE:

DG/SOLAR ELECTRICAL ONE LINE DIAGRAM

TOWN OF BRAINTREE
ELECTRIC LIGHT DEPARTMENT

TARIFF AND TERMS AND CONDITIONS FOR RESIDENTIAL RENEWABLE DISTRIBUTED GENERATION FACILITY SERVICE

Mass DPU # 153

Replaces

Mass DPU # 145

Designation: DG-1

Availability: This tariff, and the terms and conditions contained therein, apply to certain renewable generation facilities located on the customer's premises, i.e., the same place at which it receives electric service from the Braintree Electric Light Department, where such facilities are owned or leased by the customer and used solely for the purpose of the customer's own consumption, meaning that the customer shall not be a net supplier of energy to the Braintree Electric Light Department on a recurring annual basis. Net metering as set forth herein is available for any qualifying renewable distributed generation facility including, but not limited to, Wind, Photovoltaics, Biomass, Hydroelectric, Fuel Cells, Combined Heat and Power (CHP) Generation, and Municipal Solid Waste with generation facilities ("Renewable Distributed Generation Facility"). The use of a Renewable Distributed Generation Facility for providing service to a third party is strictly prohibited. The availability of net metering to a customer that owns or leases a Renewable Distributed Generation Facility is subject to the terms and conditions of this tariff, as well as the Braintree Electric Light Department's Distributed Generation Interconnection Policy and the Braintree Electric Light Department's general Terms and Conditions for Electric Service, where not inconsistent, as may be in effect from time to time. In its sole discretion, the Braintree Electric Light Department may limit the cumulative generating capacity of all Renewable Distributed Generation Facilities within its service territory.

Net Metering Requirements: A special bi-directional AMI meter with multiple registers will be installed and will measure the kWh delivered in and kWh received out of the facility. This meter will have the designation DG-1.

Rate: MONTHLY BILLING OF THE RENEWABLE DISTRIBUTED GENERATION FACILITY CUSTOMERS

The delivered in kWh value will be billed at the Braintree Electric Light Department's corresponding full billing rate plus customer charge and the received out kWh value will be

credited to the customer at the current corresponding energy rate only. All other components of rates and charges in effect are not included in the credit amount.

Minimum Bill: The Braintree Electric Light Department's corresponding monthly customer charge.

Interconnection Terms and Conditions: The Braintree Electric Light Department ("Department") shall own and install any interconnection facilities on the Department side of the meter required for the facility. The costs associated with the installation and maintenance of the Renewable Distributed Generation Facility will be borne by the customer. These costs include, but are not limited to, the costs of connection, switching, metering, transmission, distribution, safety provisions, and administrative costs incurred by the Department directly related to the installation and maintenance of the facilities necessary to permit interconnected operations with the customer. The customer shall pay for these interconnection costs, which shall be determined as follows:

A one-time lump-sum payment equal to the estimated new installed cost of all interconnection facilities provided by the Department.

In addition to the costs detailed above, the actual costs associated with relocating and/or rearranging existing facilities to allow interconnected operation will also be borne by the customer. A monthly charge shall not apply to these costs. Payment for these costs shall be on a one-time lump-sum basis and calculated in the same manner that the Department charges its other customers for similar work.

The Renewable Distributed Generation Facility will have equipment specifications and plans for control devices, interconnection facilities and protective devices approved by the Department in advance of energizing the facility. Such protective devices shall include an outdoor manual disconnect switch. The relays and protective equipment shall be subject, at all reasonable times, to inspection by the Department's authorized representative.

The customer shall furnish, install and maintain, at its expense, corrective apparatus which results in a power factor between 95% lagging and unity (100%) under ordinary operating conditions, as measured at the Point of Common Coupling.

Parallel operation must cease, immediately and automatically during system outages and other emergency or abnormal conditions specified by the Department. The Renewable Distributed Generation Facility must cease parallel operation upon notification by the Department if such operation is determined to be unsafe, to interfere with the supply of service to others, or to interfere with system operation or maintenance.

The Department may disconnect the Renewable Distributed Generation Facility from its system at any time that the Department determines, in its sole discretion, that the safety and reliability of its system may be compromised by the operation of the Facility. In the event that the Renewable Distributed Generation Facility damages the Department's system, the customer shall be solely responsible for all costs associated with the repair and/or replacement of the damaged portion of the Department's system and/or equipment.

The Department shall not be liable to the customer or any other person for any loss, injury, damage, casualty, fees or penalties, asserted on the basis of any theory, arising from, related to or caused by the construction, installation, operation, maintenance or repair of the Renewable Distributed Generation Facility, and associated equipment and wiring, except to the extent of its own gross negligence or willful misconduct, but only to the extent permitted by law. Neither by

inspection nor non-rejection nor in any other way does the Department give any warranty, expressed or implied as to the adequacy, safety or other characteristics of any equipment, wiring or devices, installed on the customer's premises, including the Renewable Distributed Generation Facility.

The customer shall indemnify and hold harmless the Braintree Electric Light Department, its commissioners, managers, employees, agents, consultants, attorneys and assigns from and against any and all losses, claims, damages, costs, demands, fines, judgments, penalties, payments and liabilities, together with any costs and expenses (including attorneys' fees) incurred in connection with, resulting from, relating to or arising out of the construction, installation, operation, maintenance and repair of the Renewable Distributed Generation Facility, including the customer's failure to comply with the Department's Terms and Conditions or any abnormality or failure in the operation of the Facility, or any adverse impact to the Department's system or its other customers. The Department strongly recommends that the customer maintain sufficient insurance to cover any damage to the Department's system caused by the construction, operation, maintenance or repair of the Facility, which shall name the Department as additional insured. The customer shall provide Department with proof of such insurance upon request.

Termination: Failure of the Renewable Distributed Generation Facility to comply with any of the requirements set forth above may result in disconnection from the Department's system. The Department's Terms and Conditions for Electric Service, in effect from time to time where not inconsistent with any specific provisions above, are a part of this rate.

The customer may terminate service under this tariff by providing written notice to the Braintree Electric Light Department. The Department reserves the right to discontinue paying credits for excess kWh at any time in its discretion, upon thirty (30) days' notice to the customer.

In the event that a transfer of ownership of the Renewable Distributed Generation Facility to a new customer occurs, the customer must notify the Braintree Electric Light Department in writing.

Payment Terms: The Braintree Electric Light Department will read the meter at approximately 30-day intervals. Payment to the customer will first be applied to any outstanding bills. Credit balances in excess of One Hundred ($100.00) Dollars will be refunded to the customer.

Effective Date: March 1, 2015