



**The Commonwealth of Massachusetts**

**RETURN  
OF THE  
MUNICIPAL LIGHT DEPARTMENT OF  
THE TOWN OF SOUTH HADLEY  
TO THE  
DEPARTMENT OF PUBLIC UTILITIES  
OF MASSACHUSETTS**

**For the Year Ended December 31,**

**2012**

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

**Wayne D. Doerpholz**

Official Title: **Manager**      Office Address: **85 Main Street  
South Hadley, MA 01075**



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### **FOR GAS PLANTS ONLY:**

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## GENERAL INFORMATION

1. Name of town (or city) making this report:	Town of South Hadley, Massachusetts
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.	Amherst Power Company
Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws:	April 14, 1914
Record of votes:	First vote - Yes 141, No 35 Second vote - Yes 169, No 44
Date when town (or city) began to sell electricity:	1914
3. Name and address of manager of municipal lighting:	Wayne D. Doerpholz - 3 Fairlawn Street, South Hadley, MA
4. Name and address of mayor or selectmen	<p>Chair : John R. Hine - 39 Chestnut Hill Road, South Hadley, MA</p> <p>Vice-Chair : Robert G. Judge - 180 North Main Street, South Hadley, MA</p> <p>Clerk : Marilyn G. Ishler - 58 Mountainview Street, South Hadley, MA</p> <p>Member : Francis J. DeToma - 31 Ashfield Street, South Hadley, MA</p> <p>Member : Ira Brezinsky - 93 Woodbridge Street, South Hadley, MA</p>
5. Name and address of town (or city) treasurer:	Carlene C. Hamlin - 16 Priestly Farms Road, South Hadley, MA
6. Name and address of town (or city) clerk:	Carlene C. Hamlin - 16 Priestly Farms Road, South Hadley, MA
7. Names and addresses of members of municipal light board:	<p>Chairman : Cheryl Scott Nickl - 28 Pine Street, South Hadley, MA</p> <p>Vice-Chair : Rita M. Lawler - 76 Alvord Street, South Hadley, MA</p> <p>Clerk : Jeffrey Labrecque - 52 Lincoln Avenue, South Hadley, MA</p>
8. Total valuation of estates in town (or city) according to last state valuation:	\$1,486,285,877
9. Tax rate for all purposes during the year: Fiscal 2013	Town - \$14.91, Fire District 1 - \$2.08, Fire District 2 - \$2.70
10. Amount of manager's salary:	\$123,598
11. Amount of manager's bond:	\$ 20,000
12. Amount of salary paid to members of municipal light board (each):	None

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2012

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

<b>INCOME FROM PRIVATE CONSUMERS:</b>		
1	FROM SALES OF GAS	
2	FROM SALE OF ELECTRICITY	
3	FROM RATE STABILIZATION FUND	
4		Totals
5	<b>Expenses:</b>	0
6	For operation, maintenance and repairs	
7	For interest on bonds, notes or scrip	
8	For depreciation fund	1,725,654
9	For sinking fund requirements	
10	For note payments	
11	For bond payments	
12	For loss in preceding year	
13		Totals
14		1,725,654
15	<b>Cost:</b>	
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	562,458
19	Of electricity to be used for street lights	102,008
20	Total of the above items to be included in the tax levy	664,466
21		
22	New construction to be included in the tax levy	
23	Total amounts to be included in the tax levy	664,466

## CUSTOMERS

Names of cities of towns in which the plant supplies GAS, with the number of customers' meters in each		Names of cities of towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each	
City or Town	Number of Customers' Meters, December 31.	City or Town	Number of Customers' Meters, December 31.
None	None	South Hadley	7,698
		Granby	40
		Hadley	9
		Holyoke	1
		Totals	7,748

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2012

## APPROPRIATIONS SINCE BEGINNING OF YEAR

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

## FOR CONSTRUCTION OR PURCHASE OF PLANT:

* At	meeting	2006	, to be paid from {	_____
* At	meeting	2006	, to be paid from {	_____
				_____

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

1. Street Lights	102,008
2. Municipal Buildings	562,458
	TOTAL
	664,466

\*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:

Replace existing double circuit 13.8KV substation getaways with new davit arm circuits, 3,000 feet each. Install optical ground wire and neutral wires.

In gas property:

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

When Authorized*	Date of issue	Amount of Original Issue	Period of Payments		Interest		Amount Outstanding
			Amounts	When Payable	Rate	When Payable	
January 1, 1915  <b>SEE ATTACHMENT A - MMWEC</b>	January 1, 1915	\$ 40,000					
			Total	\$ 40,000	Total		NONE

The bonds and notes outstanding at the end of the 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

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

The bonds and notes outstanding at the end of the 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

## 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 pre-

ceding 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	Balance Beginning of Year	Additions	Retirements	Adjustments	Transfers	Balance End of Year
		(a)	(b)	(c)	(d)	(e)	(f)
1	<b>1. INTANGIBLE PLANT</b>						
2							
3							
4		0	0	0	0	0	0
5	<b>2. PRODUCTION PLANT</b>						
6	<b>A. Steam Production</b>						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	<b>Total Steam Production Plant</b>	0	0	0	0	0	0
16	<b>B. Nuclear Production Plant</b>						
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	<b>Total Nuclear Production Plant</b>	0	0	0	0	0	0

## TOTAL COST OF PLANT - ELECTRIC (Continued)

Line No.	Account	Balance Beginning of Year	Additions	Retirements	Adjustments	Transfers	Balance End of Year
		(a)	(b)	(c)	(d)	(e)	(g)
1	<b>C. Hydraulic Production Plant</b>						
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	<b>Total Hydraulic Production Plant</b>	0	0	0	0	0	0
10	<b>D. Other Production Plant</b>						
11	340 Land and Land Rights						
12	341 Structures and Improvements						
13	342 Fuel Holders, Producers and Accessories						
14	343 Prime Movers						
15	344 Generators						
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	<b>Total Other Production Plant</b>	0	0	0	0	0	0
19	<b>Total Production Plant</b>	0	0	0	0	0	0
20	<b>3. TRANSMISSION PLANT</b>						
21	350 Land and Land Rights						
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements						
24	353 Station Equipment						
25	354 Towers and Fixtures						
26	355 Poles and Fixtures						
27	356 Overhead Conductors and Devices						
28	357 Underground Conduits						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails						
31	<b>Total Transmission Plant</b>	0	0	0	0	0	0

**TOTAL COST OF PLANT - ELECTRIC (Continued)**

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

## COMPARATIVE BALANCE SHEET Assets and Other Debits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End of Year (c)	Increase or (Decrease) (d)
1	<b>UTILITY PLANT</b>			
2	101 Utility Plant -Electric	7,794,013	6,923,730	(870,283)
3	101 Utility Plant- Gas			
4	123 Investment in Associated Companies			
5	<b>Total Utility Plant</b>	7,794,013	6,923,730	(870,283)
6				
7				
8				
9				
10				
11	<b>FUND ACCOUNTS</b>			
12	125 Sinking Funds			
13	126 Depreciation Fund (P. 14)	2,650,764	3,572,450	921,686
14	128 Other Special Funds	12,007,834	12,108,089	100,255
15	<b>Total Funds</b>	14,658,598	15,680,539	1,021,941
16	<b>CURRENT AND ACCRUED ASSETS</b>			
17	131 Cash (P. 14)	2,173,602	3,246,965	1,073,363
18	132 Special Deposits	146,500	149,500	3,000
19	132 Working Funds	999,519	999,519	0
20	141 Notes and Receivables			
21	142 Customer Accounts Receivable	1,408,479	1,037,237	(371,242)
22	143 Other Accounts Receivable			
23	146 Receivables from Municipality			
24	151 Materials and Supplies (P. 14)	473,607	447,945	(25,662)
25				
26	165 Prepayments	117,235	123,854	6,619
27	174 Miscellaneous Current Assets			
28	<b>Total Current and Accrued Assets</b>	5,318,942	6,005,020	686,078
29	<b>DEFERRED DEBITS</b>			
30	181 Unamortized Debt Discount			
31	182 Extraordinary Property Debits			
32	185 Other Deferred Debits			
33	<b>Total Deferred Debits</b>			
34				
35	<b>Total Assets and Other Debits</b>	27,771,553	28,609,289	837,736

## COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.	Title of Account	Balance	Balance	Increase or (Decrease)
		Beginning of Year	End of Year	
	(a)	(b)	(c)	(d)
1	<b>APPROPRIATIONS</b>			
2	201 Appropriations for Construction			
3	<b>SURPLUS</b>			
4	205 Sinking Fund Reserves			
5	206 Loans Repayment			
6	207 Appropriations for Construction Repayment..			
7	208 Unappropriated Earned Surplus (P. 12)	22,785,115	23,732,614	947,499
8	<b>Total Surplus</b>	22,785,115	23,732,614	947,499
9	<b>LONG TERM DEBT</b>			
10	221 Bonds (P. 6)			
11	231 Notes Payable (P 7)			
12	<b>Total Bonds and Notes</b>	0	0	0
13	<b>CURRENT AND ACCRUED LIABILITIES</b>			
14	232 Accounts Payable	828,347	534,424	(293,923)
15	234 Payables to Municipality	146,500	149,500	3,000
16	235 Customer Deposits			
17	236 Taxes Accrued			
18	237 Interest Accrued			
19	242 Miscellaneous Current and Accrued Liabilities	16,562	22,987	6,425
20	<b>Total Current and Accrued Liabilities</b>	991,409	706,911	(284,498)
21	<b>DEFERRED CREDITS</b>			
22	251 Unamortized Premium on Debt			
23	252 Customer Advance for Construction			
24	253 Other Deferred Credits	1,221,302	1,357,317	136,015
25	<b>Total Deferred Credits</b>	1,221,302	1,357,317	136,015
26	<b>RESERVES</b>			
27	260 Reserves for Uncollectable Accounts			
28	261 Property Insurance Reserve			
29	262 Injuries and Damages Reserves			
30	263 Pensions and Benefits			
31	265 Miscellaneous Operating Reserves			
32	<b>Total Reserves</b>			
33	<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
34	271 Contributions in Aid of Construction	2,773,727	2,812,447	38,720
35	<b>Total Liabilities and Other Credits</b>	27,771,553	28,609,289	837,736

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

## STATEMENT OF INCOME FOR THE YEAR

Line No.	Account (a)	Current Year	Increase or (Decrease) from Preceding Year
1	<b>OPERATING INCOME</b>		
2	400 Operating Revenue (P. 37 and P. 43)	16,229,115	155,494
3	<b>Operating Expenses:</b>		
4	401 Operation Expense (P.42)	13,125,952	(835,796)
5	402 Maintenance Expense (P. 42)	414,230	20,610
6	403 Depreciation Expense	1,704,000	72,230
7	407 Amortization of Property Losses		
8			
9	408 Taxes (P. 48)		
10	<b>Total Operating Expenses</b>	15,244,182	(742,956)
11	Operating Income	984,933	898,450
12	414 Other Utility Operating Income (P.50)		
13			
14	<b>Total Operating Income</b>	984,933	898,450
15	<b>OTHER INCOME</b>		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)		
17	419 Interest Income	114,952	(20,500)
18	421 Miscellaneous Income		
19	<b>Total Other Income</b>	114,952	(20,500)
20	<b>Total Income</b>	1,099,885	877,950
21	<b>MISCELLANEOUS INCOME DEDUCTIONS</b>		
22	425 Miscellaneous Amortization		
23	426 Other Income Deductions		
24	<b>Total Income Deductions</b>		
25	<b>Income before Interest Charges</b>		
26	<b>INTEREST CHARGES</b>		
27	427 Interest on Bonds and Notes		
28	428 Amortization of Debt Discount and Expense		
29	429 Amortization of Premium on Debt		
30	431 Other Interest Expense		
31	432 Interest Charged to Construction-Credit		
32	<b>Total Interest Charges</b>		
33	<b>Net Income</b>	1,099,885	877,950

## EARNED SURPLUS

Line No.	(a)	Debits	Credits
		(b)	(c)
34	Unappropriated Earned Surplus (at beginning of Period)		22,785,115
35			
36			
37	433 Balance transferred from Income		1,099,887
38	434 Miscellaneous Credits to Surplus		
39	435 Miscellaneous Debits to Surplus	152,388	
40	436 Appropriations of Surplus (P.21)		
41	437 Surplus Applied to Depreciation		
42	208 Unappropriated Earned Surplus (at end of period)	23,732,614	
43			
44		Totals	23,885,002
			23,885,002

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

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**CASH BALANCES AT END OF YEAR (Account 131)**

Line No.	Items	Amount
	(a)	(b)
1	Operation Fund	3,246,965
2	Interest Fund	
3	Bond Fund	
4	Construction Fund	
5		
6		
7		
8		
9		
10		
11		
12		
Totals		3,246,965

**MATERIALS AND SUPPLIES (Account 151-159, 163)**

### Summary per Balance Sheet

Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 25)		
14	Fuel Stock Expenses (Account 152)		
15	Residuals (Account 153)		
16	Plant Materials and Operating Supplies (Account 154)		447,945
17	Merchandise (Account 155)		
18	Other Materials and Supplies (Account 156)		
19	Nuclear Fuel Assemblies and Components - In Reactor (Acct 157)		
20	Nuclear Fuel Assemblies and Components - Stock Acct (Acct 158)		
21	Nuclear Byproduct Materials (Account 159)		
22	Stores Expense (Account 163)		
23	<b>Total per Balance Sheet</b>	447,945	0

## **DEPRECIATION FUND ACCOUNT (Account 126)**

Line No.	(a)	(b)	Amount
	<b>DEBITS</b>		
25	Balance of Account at Beginning of Year		2,650,764
26	Income During Year from Balance on Deposit		1,704,000
27	Amount Transferred from Income		
28			Totals 4,354,764
29			
30	<b>CREDITS</b>		
31	Amount expended for Construction Purposes (Sec. 57C164 of G.L.)		254,442
32	Amounts Expended for Renewals		621,689
33	Adjustment: Retirements		(198,240)
34	Adjustments: Contributions in Aid of Construction		(30,130)
35			
36			
37			
38			
39	Balance on Hand at End of Year		3,572,450
40			Totals 4,354,764

## 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 pre-

- ceding 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	Balance Beginning of Year	Additions	Depreciation	Other Credits	Adjustments Transfers	Balance End of Year
		(a)	(b)	(c)	(d)	(e)	(f)
1	<b>1. INTANGIBLE PLANT</b>						
2							
3							
4		0	0	0	0	0	0
5	<b>2. PRODUCTION PLANT</b>						
6	<b>A. Steam Production</b>						
7	310 Land and Land Rights						
8	311 Structures and Improvements						
9	312 Boiler Plant Equipment						
10	313 Engines and Engine Driven Generators						
11	314 Turbogenerator Units						
12	315 Accessory Electric Equipment						
13	316 Miscellaneous Power Plant Equipment						
15	<b>Total Steam Production Plant</b>	0	0	0	0	0	0
16	<b>B. Nuclear Production Plant</b>						
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	<b>Total Nuclear Production Plant</b>	0	0	0	0	0	0

## UTILITY PLANT - ELECTRIC (Continued)

Line No.	Account	Balance Beginning of Year	Additions	Depreciation	Other Credits	Adjustments Transfers	Balance End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	<b>C. Hydraulic Production Plant</b>						
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	<b>Total Hydraulic Production Plant</b>	0	0	0	0	0	0
10	<b>D. Other Production Plant</b>						
11	340 Land and Land Rights						
12	341 Structures and Improvements						
13	342 Fuel Holders, Producers and Accessories						
14	343 Prime Movers						
15	344 Generators						
16	345 Accessory Electric Equipment						
17	346 Miscellaneous Power Plant Equipment						
18	<b>Total Other Production Plant</b>	0	0	0	0	0	0
19	<b>Total Production Plant</b>	0	0	0	0	0	0
20	<b>3. TRANSMISSION PLANT</b>						
21	350 Land and Land Rights						
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements						
24	353 Station Equipment						
25	354 Towers and Fixtures						
26	355 Poles and Fixtures						
27	356 Overhead Conductors and Devices						
28	357 Underground Conduits						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails						
31	<b>Total Transmission Plant</b>	0	0	0	0	0	0

## UTILITY PLANT - ELECTRIC (Continued)

Line No.	Account	Balance Beginning of Year	Additions	Depreciation	Other Credits	Adjustments Transfers	Balance End of Year
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	<b>4. DISTRIBUTION PLANT</b>						
2	360 Land and Land Rights						
3	361 Structures and Improvements						
4	362 Station Equipment	3,735,728	9,225	289,172		12,988	3,468,769
5	363 Storage Battery Equipment						
6	364 Poles, Towers and Fixtures	12,708	36,430	12,708			26,109
7	365 Overhead Conductors and Devices	1,176,548	178,944	643,723	10,321	8,476	720,245
8	366 Underground Conduits	92,535	4,750	92,533			4,752
9	367 Underground Conductors & Devices	532,498	31,516	190,097			373,917
10	368 Line Transformers	136,960	37,032	95,249	5,581		73,162
11	369 Services	43,822	10,895	38,201			16,516
12	370 Meters	437,657	19,103	94,823			361,937
13	371 Installation on Cust's Premises	382,865	22,165	53,907	674		350,449
14	372 Leased Prop. on Cust's Premises						
15	373 Street Light and Signal Systems	231,327	14,002	59,868	257		185,204
16	<b>Total Distribution Plant</b>	6,782,648	364,062	1,570,281	16,833	21,464	5,581,060
17	<b>5. GENERAL PLANT</b>						
18	389 Land and Land rights	333,358					333,358
19	390 Structures and Improvements	8,175		8,175			0
20	391 Office Furniture and Equipment	5,424	145,101	5,421			145,104
21	392 Transportation Equipment	37,367	76,275	37,367			76,275
22	393 Stores Equipment						0
23	394 Tools, Shop and Garage Equipment						0
24	395 Laboratory Equipment	3,070		3,070			0
25	396 Power Operated Equipment						0
26	397 Communication Equipment	298		298			0
27	398 Miscellaneous Equipment						0
28	399 Other Tangible Property	604,331	24,244	79,388	13,574		535,613
29	<b>Total General Plant</b>	992,023	245,620	133,719	13,574	0	1,090,350
30	<b>Total Electric Plant in Service</b>	7,774,671	609,682	1,704,000	30,407	21,464	6,671,410
31	104 Utility Plant leased to Others						
32	105 Property Held for Future Use						
33	107 Construction Work in Progress	19,342	254,442			(21,464)	252,320
34	<b>Total Utility Electric Plant</b>	7,794,013	864,124	1,704,000	30,407	0	6,923,730

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2012

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## MISCELLANEOUS NON-OPERATING INCOME (Account 421)

Line	Item	Amount
No.	(a)	(b)
1		
2		
3		
4		
5		
6		
	Total	0

## OTHER INCOME DEDUCTIONS (Account 426)

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

## MISCELLANEOUS CREDITS TO SURPLUS (Account 434)

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

## MISCELLANEOUS DEBITS TO SURPLUS (Account 435)

Line	Item	Amount
No.	(a)	(b)
24	Operating Transfer to Town of South Hadley	105,409
25		
26		
27		
28		
29		
30		
31		
32		
	Total	105,409

## APPROPRIATIONS OF SURPLUS (Account 436)

Line	Item	Amount
No.	(a)	(b)
33		
34		
35		
36		
37		
38		
39		
40		
	Total	0

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**ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY**

**YEAR ENDED DECEMBER 31, 2012**

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

Line No.	Acct No.	Gas Schedule		Cubic Feet	Revenue Received	Average Revenue per M.C.F [0.0000]	
		(a)	(b)				
1	482			Totals			
2							
3							
4							
Line No.		Electric Schedule		K.W.H.	Revenue Received	Average Revenue per K.W.H. (cents) [0.0000]	
		(a)	(b)	(c)	(d)		
5	444			Municipal: (Other Than Street Lighting)	5,357,551	784,847	14.6494
6					5,357,551	784,847	14.6494
7							
8				Street Lighting	971,524	102,010	10.5000
9					971,524	102,010	10.5000
10							
11							
12				Totals	6,329,075	886,857	14.0124
13							
14							
15							

**PURCHASED POWER (Account 555)**

Line No.	Names of Utilities from which Electric Energy is Purchased	Where and at What Voltage Received	K.W.H.	Amount	Cost per K.W.H. (cents) [0.0000]
					(a)
16	PASNY via MMWEC	Pine Shed 115 KV	6,967,922	83,859	1.2035
17	Millstone 3	Pine Shed 115 KV	61,879,125	4,381,682	7.0810
18	Seabrook 4 & 5	Pine Shed 115 KV	27,942,092	2,491,450	8.9165
19	C/MORGA	Pine Shed 115 KV	35,201	1,232	3.5000
20	C/HESS	Pine Shed 115 KV	724,398	24,430	3.3725
21	C/NOBLE	Pine Shed 115 KV	367,996	14,352	3.9000
22	C/DOMIN	Pine Shed 115 KV	2,216,001	95,019	4.2879
23					
24					
25					
		Totals	100,132,735	7,092,024	7.0826

**SALES FOR RESALE (Account 447)**

Line No.	Names of Utilities to which Electric Energy is Sold	Voltage Received Where and at What Voltage Received	K.W.H.	Amount	Revenues per K.W.H. [cents] [0.0000]
					(a)
26					
27					
28					
29					
30					
31					
		Totals			

## ELECTRIC OPERATING REVENUES (Account 400)

1. Report below the amount of Operating Revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.
2. If increases and decreases are not derived from previously reported figures explain any inconsistencies.
3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings

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

4. Unmetered sales should be included below. The details of such sales should be given in a footnote.
5. Classification of Commercial and Industrial Sales, Account 442, according to small (or Commercial) and Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 Kw of demand. See Account 442 of the Uniform System of Accounts. Explain basis of classification.

		Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
Line No.	Account	Amount for Year	Increase or (Decrease) from Preceding Year	Amount for Year	Increase or (Decrease) from Preceding Year	Number for Year	Increase or (Decrease) from Preceding Year
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	<b>SALES OF ELECTRICITY</b>						
2	440 Residential Sales	8,478,691	(19,885)	59,908,704	(1,282,731)	6,920	22
3	442 Commercial and Industrial Sales:						
4	Small (or Commercial) see instr. 5	2,585,708	25,813	17,130,626	(300,415)	767	10
5	Large (or Industrial) see instr. 5	4,059,601	117,676	32,546,893	62,295	13	0
6	444 Municipal Sales (P.22)	886,857	(8,104)	6,329,075	(282,064)	48	0
7	445 Other Sales to Public Authorities						
8	446 Sales to Railroads and Railways						
9	448 Interdepartmental Sales						
10	449 Miscellaneous Electric Sales	68,069	1,110	335,276	(1,472)	278	0
11	<b>Total Sales to Ultimate Consumers</b>	16,078,926	116,610	116,250,574	(1,804,387)	8,026	32
12	447 Sales for Resale	0	0	0	0	0	
13	<b>Total Sales of Electricity*</b>	16,078,926	116,610	116,250,574	(1,804,387)	8,026	32
14	<b>OTHER OPERATING REVENUES</b>						
15	450 Forfeited Discounts						
16	451 Miscellaneous Service Revenues	24,764	(8,013)				
17	453 Sales of Water and Water Power						
18	454 Rent from Electric Property	103,140	24,612				
19	455 Interdepartmental Rents						
20	456 Other Electric Revenues	22,285	22,285				
21							
22							
23	Miscellaneous Adjustments to Sales						
24							
25	Total Other Operating Revenues.....	150,189	38,884				
26	Total Electric Operating Revenues.	16,229,115	155,494				

\*Includes revenues from application of fuel clauses

2,167,219

Total KWH to which applied

115,279,050

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2012

## 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 and unbilled sales may be reported separately in total.

Line No.	Acct No.	Schedule	K.W.H.	Revenue	Average Revenue per K.W.H. (cents) *(0.0000)	Number of Customers (per Bills Rendered)	
						July 31	December 31
		(a)	(b)	(c)	(d)	(e)	(f)
1	440	Residential - General	41,953,936	6,074,492	14.4790	N/A	5,286
2		Residential - Heating	12,684,359	1,646,635	12.9816	N/A	1,139
3		Residential - With Water Heating	5,270,409	757,564	14.3739	N/A	495
4	442	Commercial - Small	17,130,626	2,585,708	15.0941	N/A	767
5		Industrial	32,546,893	4,059,601	12.4731	N/A	13
6	444	Municipal - General	5,357,551	784,847	14.6494	N/A	47
7		Municipal - Street Lights	971,524	102,010	10.5000	N/A	1
8	449	Miscellaneous	335,276	68,069	20.3024	N/A	278
9							
10							
11							
12							
13							
14							
15							
16							
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39							
40							
41							
42							
43							
44							
45							
46							
47							
48		Total Sales to Ultimate					
49		Consumers ( Page 37 Line 11 )	116,250,574	16,078,926	13.8313	N/A	8,026

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2012

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES

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

Line No.	Account	Amount for Year	Increase or (Decrease) from Preceding Year
			(a) (b) (c)
1	<b>POWER PRODUCTION EXPENSE</b>		
2	<b>STEAM POWER GENERATION</b>		
3	<b>Operation:</b>		
4	500 Operation supervision and engineering		
5	501 Fuel		
6	502 Steam expense		
7	503 Steam from other sources		
8	504 Steam transferred - Cr		
9	505 Electric expenses		
10	506 Miscellaneous steam power expenses		
11	507 Rents		
12	<b>Total Operation</b>	0	0
13	<b>Maintenance:</b>		
14	510 Maintenance supervision and engineering		
15	511 Maintenance of structures		
16	512 Maintenance of boiler plant		
17	513 Maintenance of electric plant		
18	514 Maintenance of miscellaneous steam plant		
19	<b>Total Maintenance</b>	0	0
20	<b>Total power production expenses - steam power</b>	0	0
21	<b>NUCLEAR POWER GENERATION</b>		
22	<b>Operation:</b>		
23	517 Operation supervision and engineering		
24	518 Fuel		
25	519 Coolants and water		
26	520 Steam expense		
27	521 Steam from other sources		
28	522 Steam transferred - Cr		
29	523 Electric expenses		
30	524 Miscellaneous nuclear power expenses		
31	525 Rents		
32	<b>Total Operation</b>	0	0
33	<b>Maintenance:</b>		
34	528 Maintenance supervision and engineering		
35	529 Maintenance of structures		
36	530 Maintenance of reactor plant equipment		
37	531 Maintenance of electric plant		
38	532 Maintenance of miscellaneous nuclear plant		
39	<b>Total Maintenance</b>	0	0
40	<b>Total power production expenses - nuclear power</b>	0	0
41	<b>HYDRAULIC POWER GENERATION</b>		
42	<b>Operation:</b>		
43	535 Operation supervision and engineering		
44	536 Water for power		
45	537 Hydraulic expenses		
46	538 Electric expenses		
47	539 Miscellaneous hydraulic power generation expenses		
48	540 Rents		
49	<b>Total Operation</b>	0	0

(continued on page 40)

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)

Line No.	Account	Amount for Year	Increase or (Decrease) from Preceding Year
			(a) (b) (c)
1	<b>HYDRAULIC POWER GENERATION - CONTINUED</b>		
2	<b>Maintenance:</b>		
3	541 Maintenance Supervision and Engineering		
4	542 Maintenance of Structures		
5	543 Maintenance of Reservoirs, Dams and Waterways		
6	544 Maintenance of Electric Plant		
7	545 Maintenance of Miscellaneous Hydraulic Plant		
8	<b>Total Maintenance</b>	0	0
9	<b>Total Power Production Expenses - Hydraulic Power</b>	0	0
10	<b>OTHER POWER GENERATION</b>		
11	<b>Operation:</b>		
12	546 Operation Supervision and Engineering		
13	547 Fuel		
14	548 Operation Expenses		
15	549 Miscellaneous Other Power Generation Expenses		
16	550 Rents		
17	<b>Total Operation</b>	0	0
18	<b>Maintenance:</b>		
19	551 Maintenance Supervision and Engineering		
20	552 Maintenance of Structure		
21	553 Maintenance of Generating and Electric Plant		
22	554 Maintenance of Miscellaneous Other Power Generation Plant		
23	<b>Total Maintenance</b>	0	0
24	<b>Total Power Production Expenses - Other Power</b>	0	0
25	<b>OTHER POWER SUPPLY EXPENSES</b>		
26	555 Purchased Power	9,251,394	(1,353,005)
27	556 System Control and Load Dispatching	187,921	32,080
28	557 Other Expenses		
29	<b>Total Other Power Supply Expenses</b>	9,439,315	(1,320,925)
30	<b>Total Power Production Expenses</b>	9,439,315	(1,320,925)
31	<b>TRANSMISSION EXPENSES</b>		
32	<b>Operation:</b>		
33	560 Operation Supervision and Engineering		
34	561 Load Dispatching		
35	562 Station Expenses		
36	563 Overhead Line Expenses		
37	564 Underground Line Expenses		
38	565 Transmission of Electricity by Others	1,769,738	335,368
39	566 Miscellaneous Transmission Expenses		
40	567 Rents		
41	<b>Total Operation</b>	1,769,738	335,368
42	<b>Maintenance:</b>		
43	568 Maintenance Supervision and Engineering		
44	569 Maintenance of Structures		
45	570 Maintenance of Station Equipment		
46	571 Maintenance of Overhead Lines		
47	572 Maintenance of Underground Lines		
48	573 Maintenance of Miscellaneous Transmission Plant		
49	<b>Total Maintenance</b>	0	0
50	<b>Total Transmission Expenses</b>	1,769,738	335,368

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)

Line No.	Account	Amount for Year	Increase or (Decrease) from Preceding Year
			(b)
	(a)	(b)	(c)
1	<b>DISTRIBUTION EXPENSES</b>		
2	<b>Operation:</b>		
3	580 Operation Supervision and Engineering	50,985	1,075
4	581 Load Dispatching	5,135	(2,318)
5	582 Station Expenses	262,283	60,036
6	583 Overhead Line Expenses	44,745	8,969
7	584 Underground Line Expenses	0	(32,526)
8	585 Street Lighting and Signal System Expenses	29,079	28,082
9	586 Meter Expenses	56,819	(3,128)
10	587 Customer Installations Expenses	62,525	(15,592)
11	588 Miscellaneous Distribution Expenses		
12	589 Rents		
13	<b>Total Operation</b>	511,571	44,598
14	<b>Maintenance:</b>		
15	590 Maintenance supervision and engineering	50,985	1,075
16	591 Maintenance of Structures	40,825	32,871
17	592 Maintenance of Station Equipment	169,248	(5,493)
18	593 Maintenance of Overhead Lines	28,752	13,884
19	594 Maintenance of Underground Lines	2,872	2,620
20	595 Maintenance of Line Transformers	21,140	(5,682)
21	596 Maintenance of Street Lighting and Signal Systems	11,476	(1,958)
22	597 Maintenance of Meters		
23	598 Maintenance of Miscellaneous Distribution Plant		
24	<b>Total Maintenance</b>	325,298	37,317
25	<b>Total Distribution Expenses</b>	836,869	81,915
26	<b>CUSTOMER ACCOUNTS EXPENSES</b>		
27	<b>Operation:</b>		
28	901 Supervision		
29	902 Meter Reading Expenses	18,423	(721)
30	903 Customer Records and Collection Expenses	193,879	21,390
31	904 Uncollectable Accounts	150,889	90,553
32	905 Miscellaneous Customer Accounts Expenses		
33	<b>Total Customer Accounts Expenses</b>	363,191	111,222
34	<b>SALES EXPENSES</b>		
35	<b>Operation:</b>		
36	911 Supervision		
37	912 Demonstrating and Selling Expenses		
38	913 Advertising Expenses	26,746	(16,403)
39	916 Miscellaneous Sales Expense		
40	<b>Total Sales Expenses</b>	26,746	(16,403)
41	<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
42	<b>Operation:</b>		
43	920 Administrative and General Salaries	205,147	8,647
44	921 Office Supplies and Expenses	49,893	16,138
45	922 Administrative Expenses Transferred - Cr		
46	923 Outside Services Employed	120,278	30,820
47	924 Property Insurance	42,750	2,593
48	925 Injuries and Damages	23,870	(7,016)
49	926 Employees Pensions and Benefits	488,407	(42,820)
50	928 Regulatory Commission Expenses		
51	929 Duplicate Charges - Cr		
52	930 Miscellaneous General Expenses	85,046	1,982
53	931 Rents		
54	<b>Total Operation</b>	1,015,391	10,344

## ELECTRIC OPERATION AND MAINTENANCE EXPENSES (Continued)

Line No.	Account	Amount for Year	Increase or (Decrease) from Preceding Year
			(c)
1	<b>ADMINISTRATIVE EXPENSES</b>		
2	<b>Maintenance:</b>		
3	932 Maintenance of General Plant	71,343	(18,703)
4	933 Transportation expense	17,589	1,996
5	<b>Total Maintenance</b>	88,932	(16,707)
6	<b>Total Administrative and General Expenses</b>	1,104,323	(6,363)
7	<b>Total Electric Operation and Maintenance Expenses</b>	13,540,182	(815,186)

## SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification	OPERATION	MAINTENANCE	TOTAL
		(b)	(c)	(d)
8	<b>Power Production Expenses</b>			
9	Electric Generation			
10	Steam Power			
11	Nuclear Power			
12	Hydraulic Power			
13	Other Power			
14	Other Power Supply Expenses	9,439,315		9,439,315
15	<b>Total Power Production Expenses</b>	9,439,315		9,439,315
16	Transmission Expenses	1,769,738		1,769,738
17	Distribution Expenses	511,571	325,298	836,869
18	Customer Accounts Expenses	363,191		363,191
19	Sales Expenses	26,746		26,746
20	Administrative and General Expenses	1,015,391	88,932	1,104,323
21	Power Production Expenses			
22	<b>Total Electric Operation and Maintenance Expenses</b>	13,125,952	414,230	13,540,182

23 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 22 (d), Depreciation (Acct 403) and Amortization (Acct 407) 93.93%

24 Total salaries and wages of electric department for year, including amounts charged to operating  
 expenses, construction and other accounts 1,060,266

25 Total number of employees of electric department at end of year including administrative,  
 operating, maintenance and other employees (including part time employees) 13

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

51  
YEAR ENDED DECEMBER 31, 2012

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

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

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

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

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YEAR ENDED DECEMBER 31, 2012

**SALES FOR RESALE (Account 447)**

1. Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.
2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) other public authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other G, and place an "x" in column (c) if sale involves export across a state line.
3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as other power, column (b).
4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

## 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 sale may be grouped.

Type of Demand Reading	Voltage at which Delivered	Kilowatt-Hours	Revenue (Omit Cents)				Revenue per Kwh (cents) [0.0000]	Line No.
			Demand Charges	Energy Charges	Other Charges	Total		
(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
								1
								2
								3
								4
								5
								6
								7
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								33
								34
	Totals	0	0	0	0	0	0.0000	35

**PURCHASED POWER (Account 555)**

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 sales 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
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).

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.

## PURCHASED POWER (Account 555) (Continued)

(except interchange power)

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

5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billing, this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in 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 (l) 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	Voltage at which Delivered	Kilowatt-Hours	Cost of Energy (Omit Cents)				KWH (cents) (0.0000)	Line No.
			Capacity Charges	Energy Charges	Other Charges	Total		
(i)	(j)	(k)	(l)*	(m)	(n)	(n)	(p)	
60 Min	115KV	6,967,922	49,868	33,990		83,859	1.2035	1
60 Min	115KV	61,879,125	3,948,606	433,075		4,381,682	7.0810	2
60 Min	115KV	27,942,092	2,263,727	227,723		2,491,450	8.9165	3
60 Min	115KV	35,201		1,232		1,232	3.5000	4
60 Min	115KV	724,398		24,430		24,430	3.3725	9
60 Min	115KV	367,996		14,352		14,352	3.9000	6
60 Min	115KV	2,216,001		95,019		95,019	4.2879	7
						-		8
								8
								10
								11
								12
								13
								14
								15
								16
								15
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								30
								31
<b>Note: capacity charges are reduced by annual flush of funds for PSA power contracts</b>								
								32
								32
								34
	<b>Totals</b>	<b>100,132,735</b>	<b>6,262,202</b>	<b>829,822</b>	<b>0</b>	<b>7,092,024</b>	<b>7.0826</b>	<b>35</b>

## 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	Interchange Across State Lines	Point of Interchange	Voltage at Which Interchanged	Kilowatt-hours			Amount of Settlement
					Received	Delivered	Net Difference	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	NEPEX			115KV	124,016,340	104,366,720	19,649,620	2,159,370
2								
3								
4								
5								
6								
7								
8								
9								
10				Totals	124,016,340	104,366,720	19,649,620	2,159,370

## B. Details of Settlement for Interchange Power

Line No.	Name of Company	Explanation		Amount
		(i)	(j)	
11	NEPEX	NEPOOL Expense		149,513
12		Interchange Expense		2,009,857
13				
14				
15				
16				
17				
18				Total 2,159,370

## ELECTRIC ENERGY ACCOUNT

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

Line No.	Item (a)	Kilowatt-hours (b)
<b>SOURCES OF ENERGY</b>		
2	Generation (excluding station use):	
3	Steam	Gas Turbine Combined Cycle
4	Nuclea	
5	Hydro	
6	Other	Diesel
7	Total generation	0
8	Purchases	100,132,735
9		{ In (gross)
10	Interchanges	{ Out (gross)
11		{ Net (Kwh)
12		{ Received
13	Transmission for/by others	{ Delivered
14		{ Net (kwh)
15	<b>TOTAL</b>	119,782,355
<b>DISPOSITION OF ENERGY</b>		
17	Sales to ultimate consumers (including interdepartmental sales)	116,250,574
18	Sales for resale	
19	Energy furnished without charge	
20	Energy used by the company (excluding station use)	
21	Electric department only	172,293
22	Energy losses:	
23	Transmission and conversion losses	
24	Distribution losses	3,359,488
25	Unaccounted for losses	
26	Total energy losses	3,359,488
27	Energy losses as percent of total on line 15	2.80%
28		Total 119,782,355

## MONTHLY PEAKS AND OUTPUT

- Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.
- Monthly peak col. (b) should be respondent's maximum Kw load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange minus temporary deliveries (not interchange) or emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation as to the nature of the emergency.
- State type of monthly peak reading (instantaneous 15, 30, or 60 minute integrated.)
- Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total should agree with line 15 above.
- If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.

## Monthly Peak

Line No.	Month (a)	Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kwh) See Instr. 4) (g)
29	January	20,561	Monday	16	18:00	60 min	10,834,027
30	February	19,197	Sunday	12	19:00	60 min	9,738,199
31	March	18,747	Thursday	1	19:00	60 min	9,379,813
32	April	16,075	Monday	16	21:00	60 min	8,584,826
33	May	25,010	Tuesday	29	17:00	60 min	9,359,846
34	June	27,503	Thursday	21	17:00	60 min	9,948,723
35	July	27,715	Tuesday	17	17:00	60 min	12,512,583
36	August	25,569	Friday	3	17:00	60 min	11,676,727
37	September	21,731	Friday	7	17:00	60 min	9,166,473
38	October	15,653	Monday	15	19:00	60 min	8,732,967
39	November	18,976	Wednesday	7	18:00	60 min	9,424,498
40	December	19,235	Monday	17	18:00	60 min	10,423,673
41						Total	119,782,355

## SUBSTATIONS

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

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.
5. Show in columns (i), (j), and (k) special equipment such as rotary converters, reflectors, 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	Character of Substation	Voltage			Capacity of Substation in Kva (in Service)	Number Of Transformers in Service	Number of Spare Transformers	Conversion Apparatus and Special Equipment		
			Primary	Secondary	Tertiary				Type of Equipment	No. of Units	Total Capacity
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	PINESHED	Distribution	115KV	13.8KV		93,000	2	0			
2											
3											
4											
5											
6	UNATTENDED										
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
						Totals	93,000	2	0	1	20,000 KVA

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2012

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## OVERHEAD DISTRIBUTION LINES OPERATED

Line No.	Item	Length (Pole Miles)		
		Wood Poles	Steel Towers	Total
1	Miles - Beginning of Year	92.48	NONE	92.48
2	Added During Year	0.04		0.04
3	Retired During Year	0.00		0.00
4	Miles - End of Year	92.52		92.52
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	5,807	7,800	1,087	72,527.0
17	Additions during year:				
18	Purchased		64	23	1,162.5
19	Installed	15	0	0	0.0
20	Associated with utility plant acquired				
21	<b>Total additions</b>	15	64	23	1,162.5
22	Reduction during year:				
23	Retirements	0	27	40	4,369.5
24	Associated with utility plant sold				
25	<b>Total reductions</b>	0	27	40	4,369.5
26	<b>Number at End of Year</b>	5,822	7,837	1,070	69,320.0
27	In Stock		86	123	12,087.0
28	Locked Meters' on customers' premises				
29	Inactive Transformers on System				
30	In Customers' Use		7,748	946	57,158.0
31	In Company's Use		3	1	75.0
32	<b>Number at End of Year</b>		7,837	1,070	69,320.0

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2012

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

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

Line No.	Designation of Underground Distribution System	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	Primary Distribution	2.0472	0.6496	5kv		
2	Primary Distribution	26.8676	36.0014	15kv		
3	Secondary Distribution	19.7288	67.1655	120/240V		
4	Municipal Distribution	7.0018	15.7701	120V		
5						
6						
7	*(1) Conductor per Cable					
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29	Totals	55.6454	119.5866		0	

\*Indicate number of conductors per cable.

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

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YEAR ENDED DECEMBER 31, 2012

## STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town	Total	TYPE							
			Incandescent		Mercury Vapor		Fluorescent		High Press. Sodium	
			Municipal	Other	Municipal	Other	Municipal	Other	Municipal	Other
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
1	South Hadley	1,886	0	0	88	79	0	0	1,517	202
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
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40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52	Totals	1,886	0	0	88	79	0	0	1,517	202

## ANNUAL REPORT OF THE TOWN OF SOUTH HADLEY

YEAR ENDED DECEMBER 31, 2012

## 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 revenue predicted on the previous year's operations.

Date Effective	M.D.P.U. Number	Rate Schedule	Estimated Effect of Annual Revenues	
			Increases	Decrease
		***** SEE ATTACHMENT "B" *****		

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

\_\_\_\_\_  
Mayor

Wayne D. Doerpholz  
Wayne D. Doerpholz, Manager

Manager of Electric Light  
Department

Cheryl Scott Nickl  
Cheryl Scott Nickl, Chairman

Selectmen  
or  
Members  
of the  
Municipal  
Light  
Board

Rita M. Lawler  
Rita M. Lawler, Vice-Chairman

Jeffrey Labrecque  
Jeffrey Labrecque, Clerk



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## EXTRACTS FROM CHAPTER 164 OF THE GENERAL LAWS AS AMENDED

**Section 56.** The mayor of a city, or the selectmen or municipal light board, if any, of a town acquiring a gas or electric plant shall appoint a manager of municipal lighting who shall, under the direction and control of the mayor, selectmen or municipal light board, if any, and subject to this chapter, have full charge of the operation and management of the plant, the manufacture and distribution of gas or electricity, the purchase of supplies, the employment of attorneys and of agents and servants, the method, time, price, quantity and quality of the supply, the collection of bills, and the keeping of accounts. His compensation and term of office shall be fixed in cities by the city council and in towns by the selectmen or municipal light board, if any; and, before entering upon the performance of his official duties, he shall give bond to the city or town for the faithful performance thereof in a sum and form and with sureties to the satisfaction of the mayor, selectmen or municipal light board, if any, and shall, at the end of each municipal year, render to them such detailed statement of his doings and of the business and financial matters in his charge as the department may prescribe. All moneys payable to or received by the city, town, manager or municipal light board in connection with the operation of the plant, for the sale of gas or electricity or otherwise, shall be paid to the city or town treasurer. All accounts rendered to or kept in the gas or electric plant of any city shall be subject to the inspection of the city auditor or officer having similar duties, and in towns they shall be subject to the inspection of the selectmen. The auditor or officer having similar duties, or the selectmen, may require any person presenting for settlement an account or claim against such plant to make oath before him or them, in such form as he or they may prescribe, as to the accuracy of such account or claim. The willful making of a false oath shall be punishable as perjury. The auditor or officer having similar duties in cities, and the selectmen in towns, shall approve the payment of all bills or payrolls of such plants before they are paid by the treasurer, and may disallow and refuse to approve for payment, in whole or in part, any claim as fraudulent, unlawful or excessive; and in that case the auditor or officer having similar duties, or the selectmen, shall file with the city or town treasurer a written statement of the reasons for the refusal; and the treasurer shall not pay any claim or bill so disallowed. This section shall not abridge the powers conferred on town accountants by sections fifty-five to sixty-one, inclusive, of chapter forty-one. The manager shall at any time, when required by the mayor, selectmen, municipal light board, if any, or department, make a statement to such officers of his doings, business, receipts, disbursements, balances, and of the indebtedness of the town in his department.

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

**Section 63.** A town manufacturing or selling gas or electricity for lighting shall keep records of its work and doings at its manufacturing station, and in respect to its distributing plant, as may be required by the department. It shall install and maintain apparatus, satisfactory to the department, for the measurement and recording of the output of gas and electricity, and shall sell the same by meter to private consumers when required by the department, and, if required by it, shall measure all gas or electricity consumed by the town. The books, accounts and returns shall be made and kept in a form prescribed by the department, and the accounts shall be closed annually on the last day of the fiscal year of such town, and a balance sheet of that date shall be taken therefrom and included in the return to the department. The mayor, selectmen or municipal light board and manager shall, at any time, on request, submit said books and accounts to the inspection of the department and furnish any statement or information required by it relative to the condition, management and operation of said business. The department shall, in its annual report, describe the operation of the several municipal plants with such detail as may be necessary to disclose the financial condition and results of each plant; and shall state what towns, if any, operating a plant have failed to comply with this chapter, and what towns, if any, are selling gas or electricity with the approval of the department at less than cost. The mayor, or selectmen, or municipal light board, if any, shall annually, on or before such date as the department fixes, make a return to the department, for the preceding fiscal year, signed and sworn to by the mayor, or by a majority of the selectmen or municipal light board, if any, and by the manager, stating the financial condition of said business, the amount of authorized and existing indebtedness, a statement of income and expenses in such detail as the department may require, and a list of its salaried officers and the salary paid to each. The mayor, the selectmen or the municipal light board may direct any additional returns to be made at such time and in such detail as he or they may order. Any officer of a town manufacturing or selling gas or electricity for lighting who, being required by this section to make an annual return to the department, neglects to make such annual return shall, for the first fifteen days or portion thereof during which such neglect continues, forfeit five dollars a day; for the second fifteen days or any portion thereof, ten dollars a day; and for each day thereafter not more than fifteen dollars a day. Any such officer who unreasonably refuses or neglects to make such return shall, in addition thereto, forfeit not more than five hundred dollars. If a return is defective or appears to be erroneous, the department shall notify the officer to amend it within fifteen days. Any such officer who neglects to amend said return within the time specified, when notified to do so, shall forfeit fifteen dollars for each day during which such neglect continues. All forfeitures incurred under this section may be recovered by an information in equity brought in the supreme judicial court by the attorney general, at the relation of the department, and when so recovered shall be paid to the commonwealth.

**Section 69.** The supreme judicial court for the county where the town is situated shall have jurisdiction on petition of the department or of twenty taxable inhabitants of the town to compel the fixing of prices by the town in compliance with sections fifty-seven and fifty-eight, to prevent any town from purchasing, operating or selling a gas or electric plant in violation of any provision of this chapter, and generally to enforce compliance with the terms and provisions thereof relative to the manufacture or distribution of gas or electricity by a town.

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

MMWEC is a public corporation and a political subdivision of the Commonwealth of Massachusetts, created as a means to develop a bulk power supply for its Members and other utilities. MMWEC is authorized to construct, own or purchase ownership interests in, and to issue revenue bonds to finance, electric facilities (Projects). MMWEC has acquired ownership interests in electric facilities operated by other entities and also owns and operates its own electric facilities. MMWEC sells all of the capability (Project Capability) of each of its Projects to its Members and other utilities (Project Participants) under Power Sales Agreements (PSAs). Among other things, the PSAs require each Project Participant to pay its *pro rata* share of MMWEC's costs related to the Project, which costs include debt service on the revenue bonds issued by MMWEC to finance the Project, plus 10% of MMWEC's debt service to be paid into a Reserve and Contingency Fund. In addition, should a Project Participant fail to make any payment when due, other Project Participants of that Project may be required to increase (step-up) their payments and correspondingly their Participant's share of that Project's Project Capability to an additional amount not to exceed 25% of their original Participant's share of that Project's Project Capability. Project Participants have covenanted to fix, revise and collect rates at least sufficient to meet their obligations under the PSAs.

MMWEC has issued separate issues of revenue bonds for each of its eight Projects, which are payable solely from, and secured solely by, the revenues derived from the Project to which the bonds relate, plus available funds pledged under MMWEC's Amended and Restated General Bond Resolution (GBR) with respect to the bonds of that Project. The MMWEC revenues derived from each Project are used solely to provide for the payment of the bonds of any bond issue relating to such Project and to pay MMWEC's cost of owning and operating such Project and are not used to provide for the payment of the bonds of any bond issue relating to any other Project.

MMWEC operates the Stony Brook Intermediate Project and the Stony Brook Peaking Project, both fossil-fueled power plants. MMWEC has a 3.7% interest in the W.F. Wyman Unit No. 4 plant, which is operated and owned by its majority owner, FPL Energy Wyman IV, LLC, a subsidiary of NextEra Energy Resources LLC (formerly FPL Energy LLC), and a 4.8% ownership interest in the Millstone Unit 3 nuclear unit, operated by Dominion Nuclear Connecticut, Inc. (DNCI), the majority owner and an indirect subsidiary of Dominion Resources, Inc. DNCI also owns and operates the Millstone Unit 2 nuclear unit. The operating license for the Millstone Unit 3 nuclear unit extends to November 25, 2045.

A substantial portion of MMWEC's plant investment and financing program is an 11.6% ownership interest in the Seabrook Station nuclear generating unit operated by NextEra Energy Seabrook, LLC (NextEra Seabrook) (formerly FPL Energy Seabrook LLC), the majority owner and an indirect subsidiary of NextEra Energy Resources LLC (formerly FPL Energy LLC). The operating license for Seabrook Station extends to March, 2030. NextEra Seabrook has submitted an application to extend the Seabrook Station operating license for an additional 20 years.

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

South Hadley Electric Light Department has entered into PSAs and Power Purchase Agreements (PPAs) with MMWEC. Under both the PSAs and PPAs, the Department is required to make certain payments to MMWEC payable solely from Department revenues. Under the PSAs, each Participant is unconditionally obligated to make all payments due to MMWEC, whether or not the Project(s) is completed or operating, and notwithstanding the suspension or interruption of the output of the Project(s).

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

Seven municipal light departments that are Participants under PSAs with MMWEC have submitted a demand for arbitration of a dispute relating to charges under the PSAs. The arbitration has been stayed by agreement of the parties. MMWEC cannot predict the outcome of the arbitration demand, but in the opinion of MMWEC management, it will not have a material adverse effect on the financial position of MMWEC.

Total capital expenditures for MMWEC's Projects amounted to \$1,593,344,000 , of which \$53,536,000 represents the amount associated with the Department's share of Project Capability of the Projects in which it participates, although such amount is not allocated to the Department. MMWEC's debt outstanding for the Projects includes Power Supply Project Revenue Bonds totaling \$284,005,000, of which \$14,639,000 is associated with the Department's share of Project Capability of the Projects in which it participates, although such amount is not allocated to the Department. As of December 31, 2012, MMWEC's total future debt service requirement on outstanding bonds issued for the Projects is \$289,247,000, of which \$14,806,000 is anticipated to be billed to the Department in the future.

The estimated aggregate amount of South Hadley Electric Light Department's required payments under the PSAs and PPAs, exclusive of the Reserve and Contingency Fund billings, to MMWEC at December 31, 2012 and estimated for future years is shown below.

For years ended December 31,

ANNUAL COSTS

2013	\$	3,719,000
2014		3,639,000
2015		3,622,000
2016		2,539,000
2017		984,000
2018 to 2021		303,000
<b>TOTAL</b>	<b>\$</b>	<b>14,806,000</b>

In addition, under the PSAs, the Department is required to pay to MMWEC its share of the Operation and Maintenance (O&M) costs of the Projects in which it participates. The Department's total O&M costs including debt service under the PSAs were \$7,406,000 and \$8,313,000 for the years ended December 31, 2012 and 2011, respectively.

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SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
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PROJECTS	PERCENTAGE SHARE	TOTAL PROJECT EXPENDITURES TO DATE		PARTICIPANT'S SHARE	DEBT ISSUED & OUTSTANDING 12/31/2012		PARTICIPANT'S SHARE	TOTAL DEBT SERVICE ON BONDS OUTSTANDING			PARTICIPANT'S SHARE		
		\$	59,223		\$	-		\$	-	\$			
Stony Brook Peaking Project	-	\$	59,223	\$	-	\$	-	\$	-	\$	-		
Stony Brook Intermediate Project	-		167,604		-	-	-	-	-	-	-		
Nuclear Mix No. 1-SBK	-		9,528		-	836	-		603		-		
Nuclear Mix No. 1-MLS	-		122,811		-	10,774	-		7,773		-		
Nuclear Project No. 3-MLS	18.0079		147,782		26,612	55,865		10,060	56,707		10,212		
Nuclear Project No. 4-SBK	7.4000		340,380		25,188	57,600		4,262	57,773		4,275		
Nuclear Project No. 5-SBK	1.8769		92,467		1,736	16,875		317	16,988		319		
Wyman Project	-		8,787		-	-	-	-	-	-	-		
Project No. 6-SBK	-		644,762		-	142,055		-	149,403		-		
TOTAL		\$	1,593,344	\$	53,536	\$	284,005	\$	14,639	\$	289,247	\$	14,806

PROJECTS	PERCENTAGE SHARE	OPERATION & MAINTENANCE 12/31/2011		PARTICIPANT'S SHARE	OPERATION & MAINTENANCE 12/31/2012		PARTICIPANT'S SHARE			
		\$	4,306		\$	-				
Stony Brook Peaking Project	-	\$	4,306	\$	-	\$	-			
Stony Brook Intermediate Project	-		25,624		-	18,800	-			
Nuclear Mix No. 1-SBK	-		1,559		-	1,129	-			
Nuclear Mix No. 1-MLS	-		17,220		-	14,547	-			
Nuclear Project No. 3-MLS	18.0079		29,304		5,277	26,267		4,730		
Nuclear Project No. 4-SBK	7.4000		38,376		2,840	33,870		2,506		
Nuclear Project No. 5-SBK	1.8769		10,428		196	9,082		170		
Wyman Project	-		1,751		-	1,169	-	-		
Project No. 6-SBK	-		64,280		-	59,400		-		
TOTAL		\$	192,848	\$	8,313	\$	167,957	\$	7,406	

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SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT  
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PROJECTS	PERCENTAGE SHARE	2013		2014		2015	
		ANNUAL COST	PARTICIPANT'S SHARE	ANNUAL COST	PARTICIPANT'S SHARE	ANNUAL COST	PARTICIPANT'S SHARE
Stony Brook Peaking Project	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stony Brook Intermediate Project	-	-	-	-	-	-	-
Nuclear Mix No. 1-SBK	-	589	-	215	-	-	-
Nuclear Mix No. 1-MLS	-	5,549	-	2,023	-	-	-
Nuclear Project No. 3-MLS	18.0079	13,987	2,519	14,063	2,532	14,311	2,577
Nuclear Project No. 4-SBK	7.4000	15,145	1,121	13,957	1,033	13,142	973
Nuclear Project No. 5-SBK	1.8769	4,187	79	3,934	74	3,821	72
Wyman Project	-	-	-	-	-	-	-
Project No. 6-SBK	-	31,272	-	31,651	-	31,087	-
<b>TOTAL</b>		<b>\$ 70,729</b>	<b>\$ 3,719</b>	<b>\$ 65,843</b>	<b>\$ 3,639</b>	<b>\$ 62,361</b>	<b>\$ 3,622</b>

PROJECTS	PERCENTAGE SHARE	2016		2017		2018 to 2021	
		ANNUAL COST	PARTICIPANT'S SHARE	ANNUAL COST	PARTICIPANT'S SHARE	ANNUAL COST	PARTICIPANT'S SHARE
Stony Brook Peaking Project	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stony Brook Intermediate Project	-	-	-	-	-	-	-
Nuclear Mix No. 1-SBK	-	-	-	-	-	-	-
Nuclear Mix No. 1-MLS	-	-	-	-	-	-	-
Nuclear Project No. 3-MLS	18.0079	9,182	1,653	3,492	629	1,672	301
Nuclear Project No. 4-SBK	7.4000	11,128	823	4,401	326	-	(1)
Nuclear Project No. 5-SBK	1.8769	3,370	63	1,559	29	117	3
Wyman Project	-	-	-	-	-	-	-
Project No. 6-SBK	-	31,225	-	16,460	-	7,708	-
<b>TOTAL</b>		<b>\$ 54,905</b>	<b>\$ 2,539</b>	<b>\$ 25,912</b>	<b>\$ 984</b>	<b>\$ 9,497</b>	<b>\$ 303</b>

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## **TERMS AND CONDITIONS FOR ELECTRIC SERVICE**

THE FOLLOWING TERMS AND CONDITIONS ARE APPLICABLE TO AND MADE PART OF ALL RATE SCHEDULES. ANY SUCH TERMS AND CONDITIONS AS ARE INCONSISTENT WITH ANY SPECIFIC PROVISIONS OR ANY RATE SCHEDULE SHALL NOT APPLY THERETO.

1. The supply of electric service is contingent upon the Department's ability to secure and retain the necessary location for its poles, wires, conduit, cable and other apparatus. The character of service, to be made available at each location, will be determined by the Department and information relative thereto will be furnished by the Department on request. In general, the standard voltage supplied will be One Hundred Twenty – Two Hundred Forty (120/240) volts, single phase. Contact the Department to determine the availability of other voltages and characteristics.
2. Such wiring and other electrical equipment and apparatus as may be necessary in order to utilize the service shall be provided, installed, maintained, and used by the Customer in accordance with the requirements, if any, of the National Electric Code, and of all public authorities having jurisdiction of the same and the requirements of the Department. In general, the Department will not provide service until the Customer's wiring has been inspected and approved for energization by the Authority having Jurisdiction. The Department's *Information and Requirements for Electric Service* will be furnished upon request.
3. In general, all customers shall be served from one service location and one meter. Apartment buildings shall be served through one service, one building service meter, and individual meter(s) for each occupancy. In the case of more than one building in an apartment complex, each building service meter shall be considered an individual and separate account and will be billed separately.
4. All bills shall be due and payable upon presentation and shall be rendered monthly; however, the Department reserves the right to read meters and render bills on a bi-monthly basis. All bills of non-residential accounts, not paid within 45 days from the date of billing, shall bear interest at 1.5% per month on the unpaid balance from the date thereof until the date of payment.
5. The Department may discontinue its supply and remove its property from the premises in case the Customer fails to pay any bill due the Department for such service, after due notice thereof to the Customer, or fails to maintain his service equipment in a safe manner, or to perform any of his obligations to the Department. After such discontinuance, a reconnection fee will be charged to the Customer by the Department for restoration of service.

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6. For the purpose of determining the amount of electricity delivered, meters shall be installed by the Department at locations to be designated by the Department. The Department, may at any time, change any of its meters.
7. The Customer shall furnish without charge, suitable locations and enclosures upon his premises for such lines, transformers, meters, and other apparatus and equipment as the Department may install for the purpose of supplying service. The Department shall have the right of access, at reasonable times, to the premises of the Customer for the purpose of installing, reading, inspecting, testing, and keeping in repair the apparatus and equipment of the Department, or for discontinuing service or for removing any or all of its apparatus and equipment or for the purpose of obtaining the necessary information for the proper application of the rate or rates under which service is supplied.
8. The Customer shall not injure, interfere, destroy or tamper with the meter or other property of the Department nor suffer or permit any person to do so. The Customer shall use all reasonable precautions to protect the property of the Department located on the premises of the Customer from damage and interference and shall be responsible for all damages to, or loss of, such property of the Department. The Customer shall so maintain and operate its electric equipment and apparatus as not to endanger or interfere with the service of the Department. Electric meters are the property of the Department. No one but authorized Department personnel shall cut and open the Department seal on a meter, remove and install a meter, install jumper pieces or other bypassing devices, remove or install sleeves, change the meter registration, or tamper in any way with the electric meter. Meters damaged accidentally or otherwise will be replaced at the expense of the property owner where the meter is located. When a meter is found to be tampered with, service to that meter will be disconnected. To have service restored, the responsible party must first pay a \$45.00 reconnection fee, payable in cash at the Department Office. All violations will be reported to the Police Department for legal prosecution. To restore service after it has been disconnected, application must be made in person at the Department's Office. In addition to the fee for tampering, a deposit will be required, which will be equivalent to three month's normal consumption on the premises in question. Service will be reconnected 24 hours after payment of the preceding fee and deposit, if the matter has been resolved to the satisfaction of the Department.
9. Whenever the integrity of the supply of electric service may be threatened by the conditions on the Department's system or on a part or parts of the transmission and/or distribution system with which the Department is interconnected, the Department, in its sole judgment, may curtail or interrupt electrical service to the Customer and such curtailment or interruption shall not constitute willful default by the Department. The Department shall not be responsible for any failure to supply electric service nor interruption or abnormal voltage of the supply, or any damage resulting from the restoration of service, if such failure, interruption, abnormal voltage, or damage is without willful default on its part.

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10. The Department shall not be liable for damage to the person or property of the Customer or any other person resulting from the use of electricity or the presence of the Department's apparatus and equipment on the Customer's premises.
11. Whenever the estimated expenditures for providing service, including but not limited to lines, apparatus and equipment, to properly supply electric service to the Customer shall exceed the projected annual revenue to be derived from said new service then, and in that event, the South Hadley Electric Light Department shall require the Customer to pay for said expenditures by either of the following methods, at the discretion of the Department:
  1. Lump sum payment at completion of installation work reimbursing the Department for said expenditures,
  2. Expenditures paid by Customer over a one-year period in twelve (12) equal monthly installments,
  3. Other methods at discretion of the Department
12. The Department shall not be required to furnish electricity as a stand-by or to supplement electricity for a Customer's source of electricity supply other than hydro-generation.
13. No three-phase electric service shall be supplied by the Department unless electric load plans by a Registered Professional Engineer are submitted to the South Hadley Light Department and Wire Inspector and approved by said Electric Department.
14. In the case of three-phase service, where the building owner wishes the Department to supply a padmounted transformer with underground primary supply, the owner or contractor shall provide and install the foundation for the transformer and a concrete enclosed duct bank to the Department specifications with handholes if required for pulling and connections, all secondary voltage service cables and terminal fittings, meter troughs for self-contained meters, all as required by the Department, all permits and notices required by law for trenching; and will reimburse the Department for all costs in excess of its standard average installed costs for aerial service and pole-mounted transformers. The Department shall purchase and install (with Customer assistance if required) the padmounted transformer, underground primary cable and its termination, the meter(s) and instrument transformers, test switches and meter cabinets where required, primary voltage lightning arresters at riser pole, additional poles if required – all of which, except the first on private property, shall be reimbursed to the Department by the contractor.
15. Temporary service connections for new building construction purposes will be subject to a service charge covering the actual cost of installation and removal. Service supplied will be billed under the Temporary General Service – Schedule T-1. Utility-type construction

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and wiring will not be supplied by the Department for fairs, carnivals, and other private property work.

16. The South Hadley Electric Light Department shall not be liable for, or in any way in respect of, any interruption, abnormal voltage, discontinuance or reversal of its service, due to causes beyond its immediate control whether by accident, labor difficulties, conditions of fuel supply, the attitude of any public authority, reduction in voltage, rotating of its feeders, selected blackouts, or failure to receive any electricity for which in any manner it has contracted, or due to the operation in accordance with good utility practice of any emergency load reduction program by the South Hadley Electric Light Department or one with whom it has contracted for the supply of electricity or inability for any good reason to maintain uninterrupted and continuous service; provided, however, that if the South Hadley Electric Light Department is unable for any of the causes enumerated above to supply electricity for a continued period of two (2) days or more, then upon request of the Customer, the demand charge, if any, shall be pro-rated for the number of days of such inability as it relates to the number of days in the billing month.
17. The South Hadley Electric Light Department reserves the right to withhold and/or remove electric service to loads, which adversely affect the supply to other customers. Loads that produce harmonic distortion, voltage fluctuations, noise or low power factor, are examples of loads that are potentially detrimental.
18. The Customer shall, at all times, take and use energy in such a manner that the load will be balanced between phases to within 10%. The Department reserves the right to require the Customer to make necessary changes at his expense to correct the unbalanced condition.
19. All such policies and regulations shall be consistent with the General Laws of the Commonwealth of Massachusetts, Chapter 164 in particular, and other applicable regulations and orders of the Massachusetts Department of Telecommunications and Energy.

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## SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT

### RESIDENTIAL SERVICE SCHEDULE R1

1. **AVAILABLE:**  
 In all areas served by the South Hadley Electric Light Department. No energy to be resold.
2. **APPLICABILITY:**  
 This rate is applicable to single and multiple occupancy residential customers; including individual homes, apartments, and residential occupancies. This rate will include the customer's entire requirement of electricity as measured by one meter.
3. **CHARACTER OF SERVICE:**  
 A.C.; 60 Hertz; Single Phase – 120, 208, 240 Volts
4. **BASE RATE (Applied Monthly):**

#### Delivery Services

Customer Charge	\$2.90	per month
Distribution Charge	\$0.02990	per kWh
Transmission Charge	\$0.00720	per kWh
Transition Charge	\$0.04020	per kWh

#### Supplier Services

Generation Charge	\$0.05400	per kWh
Transition Adjustment Charge		per kWh
NYPA Hydropower Credit		per kWh

5. **TRANSITION ADJUSTMENT CHARGE:**  
 On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the Transition Adjustment Charge M.D.T.E. No. 88 in effect at time of billing.
6. **NYPA HYDROPOWER CREDIT**  
 On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the NYPA Hydropower Credit M.D.T.E. No. 89 in effect at time of billing.

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**7. MINIMUM CHARGE:**

The Minimum Charge under this schedule is the Customer Charge plus the following charge, if applicable.

A charge of \$1.00 per installed kVA transformer capacity per billing period shall be made for each kVA in excess of 5 kVA that is required by the customer. At the option of the Department, a demand type meter may be employed to measure this requirement.

**8. TERMS OF PAYMENT:**

Bills calculated and issued under this schedule shall be considered due when presented. The bill calculated will be subject to a 10% discount on the Delivery Services for payment prior to the expiration of the Discount Period, which shall extend 14 Calendar days from Date of Billing. The discount is not applicable to Supplier Services or to the Transition Adjustment Charge. The Minimum Charge, as defined under this schedule, shall be applicable at all times.

**9. SPECIAL CONDITIONS:**

The Department's *Terms and Conditions for Electric Service* currently in effect are a part of this rate schedule, where not inconsistent with any specific provisions thereof.

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## **SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT**

### **RESIDENTIAL HEATING AND COOLING SCHEDULE RH**

#### **1. AVAILABLE:**

In all areas served by the South Hadley Electric Light Department. No energy to be resold.

#### **2. APPLICABILITY:**

This rate is applicable to single and multiple occupancy residential customers with permanently installed electric comfort heating, having no other source of comfort heating available. This rate will include the customer's entire requirement of electricity as measured by one meter. Customers, formerly served under M.D.P.U. 19 Optional Rate RHP, will be served under the Residential Service – Schedule R1 rate as of the effective date stated herein.

#### **3. CHARACTER OF SERVICE:**

A.C.; 60 Hertz; Single Phase – 120, 208, 240 Volts

#### **4. BASE RATE (Applied Monthly):**

##### **Option A – Customers with Time-of-Use Metering**

###### Delivery Services

Customer Charge	\$5.50	per month
Distribution Charge	\$0.02990	per kWh
Transmission Charge	\$0.00720	per kWh
Transition Charge	\$0.04020	per kWh

###### Supplier Services

Generation Charge On-Peak	\$0.05400	per kWh
Generation Charge Off-Peak	\$0.03800	per kWh
Transition Adjustment Charge		per kWh
NYPA Hydropower Credit		per kWh

##### **Option B – Customers without Time-of-Use Metering**

###### Delivery Services

Customer Charge	\$5.50	per month
Distribution Charge	\$0.02990	per kWh
Transmission Charge	\$0.00720	per kWh
Transition Charge	\$0.04020	per kWh

###### Supplier Services

Generation Charge – first 800 kWh	\$0.05400	per kWh
Generation Charge – over 800 kWh	\$0.03800	per kWh
Transition Adjustment Charge		per kWh
NYPA Hydropower Credit		per kWh

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**5. TRANSITION ADJUSTMENT CHARGE:**

On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the Transition Adjustment Charge M.D.T.E. No. 88 in effect at time of billing.

**6. NYPA HYDROPOWER CREDIT**

On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the NYPA Hydropower Credit M.D.T.E. No. 89 in effect at time of billing.

**7. MINIMUM CHARGE:**

The Minimum Charge under this schedule is the Customer Charge plus the following charge, if applicable.

A charge of \$1.00 per installed kVA transformer capacity per billing period shall be made for each kVA in excess of 5 kVA that is required by the customer. At the option of the Department, a demand type meter may be employed to measure this requirement.

**8. TERMS OF PAYMENT:**

Bills calculated and issued under this schedule shall be considered due when presented. The bill calculated will be subject to a 10% discount on the Delivery Services for payment prior to the expiration of the Discount Period, which shall extend 14 Calendar days from Date of Billing. The discount is not applicable to Supplier Services or to the Transition Adjustment Charge. The Minimum Charge, as defined under this schedule, shall be applicable at all times.

**9. SPECIAL CONDITIONS:**

“Off-peak hours” shall be hours between 10:00 p.m. and 8:00 a.m. or such other hours as the Department may deem advisable but not less than 10 hours daily, timing equipment being under the sole control of the Department. All water heaters, space heaters, and apparatus incidental thereto, including wiring connections, are subject to the Department’s approval as to type and size. The Department’s *Terms and Conditions for Electric Service* currently in effect are a part of this rate schedule, where not inconsistent with any specific provision thereof.

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## **SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT**

### **RESIDENTIAL SERVICE WITH ELECTRIC DOMESTIC WATER HEATING SCHEDULE RW**

**1. AVAILABLE:**

In all areas served by the South Hadley Electric Light Department. No energy to be resold.

**2. APPLICABILITY:**

This rate is applicable to single and multiple occupancy residential customers with electric domestic water heating, having no other source of domestic hot water available. This rate will include the customer's entire requirement of electricity as measured by one meter.

**3. CHARACTER OF SERVICE:**

A.C.; 60 Hertz; Single Phase – 120, 208, 240 Volts

**4. BASE RATE(Applied Monthly):**

Delivery Services

Customer Charge	\$5.50	per month
Distribution Charge	\$0.02990	per kWh
Transmission Charge	\$0.00720	per kWh
Transition Charge	\$0.04020	per kWh

Supplier Services

Generation Charge – first 500 kWh	\$0.05400	per kWh
Generation Charge – next 300 kWh	\$0.03800	per kWh
Generation Charge – over 800 kWh	\$0.05400	per kWh
Transition Adjustment Charge		per kWh
NYPA Hydropower Credit		per kWh

**5. TRANSITION ADJUSTMENT CHARGE:**

On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the Transition Adjustment Charge M.D.T.E. No. 88 in effect at time of billing.

**6. NYPA HYDROPOWER CREDIT**

On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the NYPA Hydropower Credit M.D.T.E. No. 89 in effect at time of billing.

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**7. MINIMUM CHARGE:**

The Minimum Charge under this schedule is the Customer Charge plus the following charge, if applicable.

A charge of \$1.00 per installed kVA transformer capacity per billing period shall be made for each kVA in excess of 5 kVA that is required by the customer. At the option of the Department, a demand type meter may be employed to measure this requirement.

**8. TERMS OF PAYMENT:**

Bills calculated and issued under this schedule shall be considered due when presented. The bill calculated will be subject to a 10% discount on the Delivery Services for payment prior to the expiration of the Discount Period, which shall extend 14 Calendar days from Date of Billing. The discount is not applicable to Supplier Services or to the Transition Adjustment Charge. The Minimum Charge, as defined under this schedule, shall be applicable at all times.

**9. SPECIAL CONDITIONS:**

All water heaters and apparatus incidental thereto, including wiring connections, are subject to the Department's approval as to type and size. The Department's *Terms and Conditions for Electric Service* currently in effect are a part of this rate schedule where not inconsistent with any specific provisions thereof.

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## SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT

### SMALL GENERAL SERVICE SCHEDULE GC1

#### 1. **AVAILABLE:**

In all areas served by the South Hadley Electric Light Department. No energy to be resold.

#### 2. **APPLICABILITY:**

This rate is applicable to the entire service requirement for electricity at a single metering location of any customer subject to the provisions of this section. Service under this rate schedule is available for any purpose, including commercial, municipal, and educational applications, having a monthly usage of less than 10,000 kWh and demand of less than 200 kW.

#### 3. **CHARACTER OF SERVICE:**

A.C.; 60 Hertz; Single Phase – 120, 208, 240 Volts or  
 Three Phase – 208, 480 Volts

#### 4. **BASE RATE (Applied Monthly):**

##### Delivery Services

Customer Charge	\$7.00	per month
Distribution Charge	\$0.01867	per kWh
Transmission Charge	\$0.00410	per kWh
Transition Charge	\$0.05200	per kWh

##### Supplier Services

Generation Charge	\$0.05400	per kWh
Transition Adjustment Charge		per kWh

#### 5. **TRANSITION ADJUSTMENT CHARGE:**

On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the Transition Adjustment Charge M.D.T.E. No. 88 in effect at time of billing.

#### 6. **MINIMUM CHARGE:**

The minimum charge under this schedule is the Customer Charge.

#### 7. **DETERMINATION OF DEMAND:**

The demand shall be determined by suitable instruments and shall be the highest 15 minute peak occurring during the month as measured in kilowatts.

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**8. TERMS OF PAYMENT:**

Bills calculated and issued under this schedule shall be considered due when presented. All bills, not paid within 45 days from the date of billing, shall bear interest at 1.5% per month on the unpaid balance from the date thereof until the date of payment.

**9. SPECIAL CONDITIONS:**

The Department's *Terms and Conditions for Electric Service* currently in effect area a part of this rate schedule, where not inconsistent with any specific provision thereof.

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**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT****LARGE GENERAL SERVICE  
SCHEDULE LGS****1. AVAILABLE:**

In all areas served by the South Hadley Electric Light Department. No energy to be resold.

**2. APPLICABILITY:**

This rate is applicable to the entire service requirement for electricity at a single metering location of any customer subject to the provisions of this section. A customer will be served under this rate if the customer's average monthly billing demand exceeds 200 kW. A customer may be transferred from this rate if the customer's 12-month average monthly demand is less than 180 kW of demand for 3 consecutive months.

**3. CHARACTER OF SERVICE:**

A.C.; 60 Hertz; Three Phase – 208, 480, 4,160, 13,800 Volts where available.

**4. BASE RATE (Applied Monthly):**Delivery Services

Customer Charge	\$650.00	per month
Distribution Demand Charge	\$3.41	per kW
Distribution Energy Charge	\$0.00514	per kWh
Transmission Demand Charge	\$1.59	per kW
Transition Demand Charge	\$2.50	per kW
Transition Energy Charge	\$0.02600	per kWh

Supplier Services

Generation Charge	\$0.05400	per kWh
Transition Adjustment Charge		per kWh

**5. TRANSITION ADJUSTMENT CHARGE:**

On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the Transition Adjustment Charge M.D.T.E. No. 88 in effect at time of billing.

**6. MINIMUM CHARGE:**

The Minimum Charge under this schedule is the Customer Charge.

**7. DETERMINATION OF DEMAND:**

The demand shall be determined by suitable instruments and shall be the greater of:

(A) the highest 15-minute peak occurring during the month as measured in kilowatts or;

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(B) 90% of the highest 15-minute peak occurring during the month as measured in kilovolt-amperes

8. **TERMS OF PAYMENT:**

Bills calculated and issued under this schedule shall be considered due when presented. All bills, not paid within 45 days from the date of billing, shall bear interest at 1.5% per month on the unpaid balance from the date thereof until the date of payment.

9. **SPECIAL CONDITIONS:**

When the Department must install special transformers or other equipment to provide service for welding loads, or other highly fluctuating loads, the Department shall have the option of measuring the kilowatts and the kilovolt-amperes required by instantaneous meters and 50% of the values so found shall be used in determining the kilowatts and kilovolt-amperes used for billing.

The Department's *Terms and Conditions for Electric Service* currently in effect are a part of the rate schedule where not inconsistent with any specific provisions hereof.

10. **SPECIAL TRANSFORMER FACILITIES:**

The Department normally provides and meters service at one voltage. When additional voltages are required, the Department, at its option, may provide, in addition to the primary voltage, a maximum of two (2) secondary voltages at the same location, and the customer will be metered at the primary voltage.

DATE ISSUED:

May 22, 2001

DATE EFFECTIVE:

October 1, 2001

## **SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT**

### **TRANSITION ADJUSTMENT CHARGE**

When stated in the electric rate schedule, there shall be included a Transition Adjustment Charge, in addition to the other charge, representative of the purchased power charges paid by the Department.

The Transition Adjustment Charge rate per Kilowatt Hour shall be computed by utilizing the total cost of purchased power paid by the Department to its suppliers for the period, adjusted for previous period's recovery, divided by the total Kilowatt Hours of energy anticipated to be billed by the Department for the period. The Transition Adjustment Charge rate shall be calculated to the nearest thousandth of a cent (\$.00001) in the following manner:

- A      Total Purchased Power cost including NEPOOL interchange charge to Accounts 555, 556, 557 and 565 (\*) for the period plus the NYPA savings calculated pursuant to M.D.T.E. No. 89, all divided by:
- B      Estimated kWhs to be sold during the period will be compared to:
- C      Base period cost of purchased power per kWh sold, amounting to 0.0413 per kWh sold minus
- D      The Generation Charge in effect at the time.

The difference between the base cost and the annual cost per kWh estimated to be sold will be applied in the billing period. The Transition Adjustment Charge will be calculated as follows:

$$\text{TAC} = [ \text{A/B} ] - [ \text{C+D} ]$$

This calculation will normally be made on a quarterly basis and a single Transition Adjustment Charge billed for the entire quarter, although the Department may change the Transition Adjustment Charge more frequently if such changes are required.

- (\*)     An adjustment to the purchased power cost shall be made to reflect the difference between estimated and actual purchased power costs and kWh sold in the prior period in order to recover or credit any under collection or over collection of purchased power charges.

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DATE EFFECTIVE:

October 1, 2001



**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT**

**NYPA HYDROPOWER CREDIT**

**1. AVAILABILITY:**

Residential customers will receive a credit equal to the number of kilowatt-hours billed during the period multiplied by the NYPA Hydropower Credit Rate determined as follows:

$$\text{NYPA} = \frac{(\text{GC} - (\text{NC}/\text{NK})) * \text{NK}}{\text{RK}}$$

Where

NYPA is the NYPA Hydropower Credit Rate for the period;

GC is the Generation Charge in effect for the period;

NC is the forecast total cost of hydropower from the New York Power Authority for the period;

NK is the forecast total kilowatt-hours of power purchased from the New York Power Authority for the period;

RK is the estimated number of residential kilowatt-hours to which the NYPA Hydropower Credit will be applied for the period.

This calculation will normally be made on a quarterly basis and a single NYPA Hydropower Credit billed for the entire quarter, although the Department may change the NYPA Hydropower Credit more frequently if such a change is required.

Adjustments shall be made to reflect differences between estimated and actual hydropower costs and residential kWh sold in the prior period in order to recover or credit any under collection or over collection of hydropower savings.

DATE ISSUED:

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DATE EFFECTIVE:

October 1, 2001



**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT****GENERAL SERVICE DEMAND  
SCHEDULE GSD****1. AVAILABLE:**

In all areas served by the South Hadley Electric Light Department. No energy to be resold.

**2. APPLICABILITY:**

This rate is applicable to the entire service requirement for electricity at a single metering location of any customer subject to the provisions of this section. A customer will be served under this rate if the customer's average monthly usage exceeds 10,000 kWh, but average monthly billing demand does not exceed 200 kW. A customer may be transferred from this rate if the customer's 12-month average monthly usage for 3 consecutive months is (a) less than 8,000 kWh/month, or (b) greater than 200 kW of demand.

**3. CHARACTER OF SERVICE:**

A.C.; 60 Hertz; Three-Phase power at 208, 480 Volts.

**4. BASE RATE (Applied Monthly):**Delivery Services

Customer Charge	\$40.00	per month
Distribution Demand Charge	\$4.61	per kW
Distribution Energy Charge	\$0.01649	per kWh
Transmission Demand Charge	\$1.82	per kW
Transition Energy Charge	\$0.03500	per kWh

Supplier Services

Generation Charge	\$0.05400	per kWh
Transition Adjustment Charge		per kWh

**5. TRANSITION ADJUSTMENT CHARGE:**

On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the Transition Adjustment Charge M.D.T.E. No. 88 in effect at time of billing.

**6. MINIMUM CHARGE:**

The minimum charge under this schedule is the Customer Charge.

**7. DETERMINATION OF DEMAND:**

The demand shall be determined by suitable instruments and shall be the highest 15 minute peak occurring during the month as measured in kilowatts.

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DATE EFFECTIVE:

October 1, 2001

**8. TERMS OF PAYMENT:**

Bills calculated and issued under this schedule shall be considered due when presented. All bills, not paid within 45 days from the date of billing, shall bear interest at 1.5% per month on the unpaid balance from the date thereof until the date of payment.

**9. SPECIAL CONDITIONS:**

When the Department must install special transformers or other equipment to provide service for welding loads, or other highly fluctuating loads, the Department shall have the option of measuring the kilowatts and the kilovolt-amperes required by instantaneous meters and 50% of the values so found shall be used in determining the kilowatts and kilovolt-amperes used for billing.

The Department's *Terms and Conditions for Electric Service* currently in effect are a part of the rate schedule where not inconsistent with any specific provisions hereof.

**10. SPECIAL TRANSFORMER FACILITIES:**

The Department normally provides and meters service at one voltage. When additional voltages are required, the Department, at its option, may provide, in addition to the primary voltage, a maximum of two (2) secondary voltages at the same location, and the customer will be metered at the primary voltage.

DATE ISSUED:

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DATE EFFECTIVE:

October 1, 2001

## SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT

### SECURITY LIGHTING

**1. AVAILABLE:**

In all areas served by the South Hadley Electric Light Department.

**2. APPLICABILITY:**

This rate is applicable for general area lighting on Private Property only.

**3. BASE RATE (Applied Monthly):**

<b>Fixture Type</b>	<b>Lumens</b>	<b>kWh</b>	<b>Monthly Rate</b>
<u>Mercury Vapor</u>			
175 Watt	7,950	71	\$11.40
*250 Watt	11,200	99	\$15.80
*400 Watt	21,000	157	\$20.60
<u>Sodium Vapor</u>			
70 Watt	6,400	35	\$ 8.50
150 Watt	16,000	67	\$13.50
250 Watt	27,500	108	\$20.30
400 Watt	50,000	166	\$31.60

\* No additional new lights of these sizes and types will be installed. These sizes and types will be replaced with similar light of sodium vapor upon failure or request.

**4. TRANSITION ADJUSTMENT CHARGE:**

On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the Transition Adjustment Charge M.D.T.E. No. 88 in effect at time of billing.

**5. TERMS OF PAYMENT:**

Bills calculated and issued under this schedule are considered due when presented.

**6. SPECIAL CONDITIONS:**

Above rates include: Conventional type mercury or sodium vapor luminaire, map, a photoelectric control (dusk to dawn) and maintenance.

Above rates do not include: Pole(s), wire, underground supply, lighting fixture of the customer's choice, or control switch.

DATE ISSUED:

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DATE EFFECTIVE:

October 1, 2001



## SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT

### TEMPORARY GENERAL SERVICE SCHEDULE T-1

**1. AVAILABLE:**

In all areas served by the South Hadley Electric Light Department. No energy to be resold.

**2. APPLICABILITY:**

This rate is applicable to the entire service requirement for electricity at a single metering location of any customer, on a temporary basis, subject to the provisions of this section. Service under this rate schedule is available for the construction of buildings or structures and any location not attached to a permanent building or structure.

**3. CHARACTER OF SERVICE:**

A.C.; 60 Hertz; Single Phase – 120, 208, 240 Volts

**4. BASE RATE (Applied Monthly):**

Delivery Services

Customer Charge	\$25.00	per month
Distribution Charge	\$0.02054	per kWh
Transmission Charge	\$0.00451	per kWh
Transition Charge	\$0.05720	per kWh

Supplier Services

Generation Charge	\$0.0594	per kWh
Transition Adjustment Charge		per kWh

**5. TRANSITION ADJUSTMENT CHARGE:**

On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the Transition Adjustment Charge M.D.T.E. No. 88 in effect at time of billing.

**6. MINIMUM CHARGE:**

The minimum charge under this schedule is the Customer Charge, plus the following charge, if applicable.

A charge of \$1.00 per installed kVA transformer capacity per billing period shall be made for each kVA in excess of five (5) kVA that is required by the Customer. At the option of the Department, a demand type meter may be employed to measure this requirement.

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DATE EFFECTIVE:

October 1, 2001

M.D.T.E. No. 92  
Cancels  
M.D.P.U. No. 82  
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**7. INSTALLATION CHARGE:**

A fee of \$90.00 will apply to all temporary service installations not requiring temporary pole(s) or other supporting appurtenances. When requested, the Department will install and later remove a temporary pole and supporting appurtenances for use by the Customer as a temporary service structure for a total installation fee of \$150.00. All installation fees shall be payable in advance.

**8. TERMS OF PAYMENT:**

Bills calculated and issued under this schedule shall be considered due when presented. All bills, not paid within 45 days from the date of billing, shall bear interest at 1.5% per month on the unpaid balance from the date thereof until the date of payment.

**9. SPECIAL CONDITIONS:**

The Department's *Terms and Conditions for Electric Service* currently in effect area a part of this rate schedule, where not inconsistent with any specific provision thereof.

DATE ISSUED:

May 22, 2001

DATE EFFECTIVE:

October 1, 2001

## SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT

### RESIDENTIAL HEATING AND COOLING SCHEDULE RH

**1. AVAILABLE:**

In all areas served by the South Hadley Electric Light Department. No energy to be resold.

**2. APPLICABILITY:**

This rate is applicable to single and multiple occupancy residential customers with permanently installed electric comfort heating, having no other source of comfort heating available. This rate will include the customer's entire requirement of electricity as measured by one meter.

**3. CHARACTER OF SERVICE:**

A.C.; 60 Hertz; Single Phase – 120, 208, 240 Volts

**4. BASE RATE (Applied Monthly):**

Delivery Services

Customer Charge	\$2.90	per month
Distribution Charge	\$0.02990	per kWh
Transmission Charge	\$0.00720	per kWh
Transition Charge	\$0.04020	per kWh

Supplier Services

Generation Charge: December - April	
First 800 kWh	\$0.04400
Over 800 kWh	\$0.02800
Generation Charge: May – November	
First 800 kWh	\$0.05000
Over 800 kWh	\$0.06000

Seasonal Generation Charge shall be applied based on the month in which the bill is issued.

**5. TRANSITION ADJUSTMENT CHARGE:**

On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the Transition Adjustment Charge M.D.T.E. No.88 in effect at time of billing.

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November 12, 2002

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December 1, 2002

M.D.T.E. No. 93  
Cancels  
M.D.T.E. No. 84  
Page 2 of 2

**6. NYPA HYDROPOWER CREDIT**

On all consumption there shall be an adjustment (charge or credit) due to the cost of power as provided in the NYPA Hydropower Credit M.D.T.E. No. 89 in effect at time of billing.

**7. MINIMUM CHARGE:**

The Minimum Charge under this schedule is the Customer Charge plus the following charge, if applicable.

A charge of \$1.00 per installed kVA transformer capacity per billing period shall be made for each kVA in excess of 5 kVA that is required by the customer. At the option of the Department, a demand type meter may be employed to measure this requirement.

**8. TERMS OF PAYMENT:**

Bills calculated and issued under this schedule shall be considered due when presented. The bill calculated will be subject to a 10% discount on the Delivery Services for payment prior to the expiration of the Discount Period, which shall extend 14 Calendar days from Date of Billing. The discount is not applicable to Supplier Services or to the Transition Adjustment Charge. The Minimum Charge, as defined under this schedule, shall be applicable at all times.

**9. SPECIAL CONDITIONS;**

The Department's *Terms and Conditions for Electric Service* currently in effect are a part of this rate schedule, where not inconsistent with any specific provision thereof.

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November 12, 2002

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December 1, 2002