

**Village of Hamilton**  
**Electric Department Rate Filing**  
**Filed on November 20, 2018**

**For the Test Year Ending May 31, 2018**  
**and the Forecast Rate Year Ending May 31, 2020**

**Village of Hamilton  
Electric Department – Rate Filing  
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**Village of Hamilton**  
**Electric Department**  
**Historic and Forecast Income Statements with Rate of Return**  
**For the Rate Year Ending May 31, 2020**

Line No.		Test Year FY 2018 A	PSC Normalizing Adjustments B		Normalized Test Year C	Known Changes D		Updated Normalized Rate Year E	Increase F	Rate Year After Increase G	% Increase
1	Operating revenues	\$3,266,809	-\$202,062	a)	\$3,064,747	-\$12,324	g)	\$3,052,423	\$213,484	\$3,265,907	7.0%
2	Operating Expenses:										
3	Purchased Power	\$1,739,865	-\$10,029	b)	\$1,729,836			\$1,729,836		\$1,729,836	
4	PSC 18a Assessment	\$6,602	\$1,430	c)	\$8,032	\$0		\$8,032		\$8,032	
5	TCCS	\$83,423			\$83,423	\$0		\$83,423		\$83,423	
6	Labor	\$299,457	\$13,814	d)	\$313,271	\$16,537	h)	\$329,808		\$329,808	
7	Workman's Comp and Liability	\$5,461			\$5,461	\$230	i)	\$5,691		\$5,691	
8	Pension	\$38,808			\$38,808	\$1,635	i)	\$40,443		\$40,443	
9	Health Insurance	\$77,393			\$77,393	\$23,245	j)	\$100,638		\$100,638	
10	OPEBs	\$71,820	-\$71,820	e)	\$0			\$0		\$0	
11	Disability Insurance	\$939			\$939	\$40	i)	\$978		\$978	
12	Life Insurance	\$681			\$681	\$29	i)	\$710		\$710	
13	Social Security	\$24,611			\$24,611	\$1,037	i)	\$25,648		\$25,648	
14	Misc. Charges Transferred	-\$67,820			-\$67,820	-\$2,856	i)	-\$70,676		-\$70,676	
15	Outside Services	\$5,068			\$5,068	\$213	i)	\$5,281		\$5,281	
16	All Other Non-Labor Expense	\$361,200			\$361,200	\$15,213	i)	\$376,413		\$376,413	
17	Uncollectible Revenues - Elect	\$0			\$0	\$0	i)	\$0		\$0	
18	Insurance	\$22,714			\$22,714	\$957	i)	\$23,671		\$23,671	
19	Taxes	\$25,390			\$25,390	\$1,069	k)	\$26,459		\$26,459	
20	Depreciation	\$304,492			\$304,492	\$47,178	l)	\$351,670		\$351,670	
21	PILOT	\$60,000	-\$21,386	f)	\$38,614	\$0		\$38,614		\$38,614	
22	Interests and Amortizations	\$0			\$0	\$7,000	m)	\$7,000		\$7,000	
23	Total Operating Expenses	\$3,060,104			\$2,972,113	\$111,525		\$3,083,638		\$3,083,638	
24	Operating Income	\$206,705	-\$114,071		\$92,634	-\$123,849		-\$31,215		\$182,269	
25	Rate Base	\$4,195,432			\$4,195,432	\$466,617	n)	\$4,662,049		\$4,662,049	
26	Rate of Return	4.93%			2.21%			-0.67%		3.91%	o)

**Village of Hamilton**  
**Electric Department**  
**Explanation of Adjustments**

Exhibit 3

Test Year Normalization				Source	
a) Revenues					
PPAC -- Impact of Test Year PPAC reconciliation			\$ 4,080		PPAC Work paper
Weather Normalization - test year colder than normal			(32,444)		Weather Adj. Work paper
Growth Analysis (lost customers)			\$ (851)		Weather Adj. Work paper
Colgate CIAC			\$ (172,847)		Misc. Revenue Work paper
Total				\$ (202,062)	
b) Purchased Power					
PPAC - increased cost to reverse colder than normal weather			\$ (9,833)		Weather Adj. Work paper
PPAC - increased cost for lost customer sales			\$ (196)		Weather Adj. Work paper
				\$ (10,029)	
c) To reflect latest general assessment level (now at \$8,032)				\$ 1,430	PSC Assessment Work paper
d) Labor - To reflect normal level of capitalized labor costs					
Total Labor	\$ 339,271				
Capitalized labor	\$ 39,814				
Labor to Expense	\$ 299,457				
Normalized Capitalize Labor	\$ 26,000				
Adjusted labor to Income Statement	\$ 313,271				
Normalizing Adjustment				\$ 13,814	Capitalized Labor Work paper
e) To reflect exclusion of OPEB costs for ratemaking purposes				\$ (71,820)	
f) To reflect limited PILOT payment made to Village, limit to same level as allowed in Case 12-E-0286				\$ (21,386)	PSC Order 11-E-0286
g) Energy Conservation - To reflect effects of IEEP Program				\$ (12,324)	Energy Conservation Work paper
h) Labor. Mid-test year to mid rate year. Labor is 2.5% per year increase.					
Labor	\$ 313,271	1.05279		\$ 16,537	Exhibit 15
i) Inflation - Assumed 2% Increase Per Year					
Workman's Comp and Liability Insurance	\$ 5,461	1.04212	\$ 230		Exhibit 15
Pension	\$ 38,808	1.04212	\$ 1,635		Exhibit 15
Disability Insurance	\$ 939	1.04212	\$ 40		Exhibit 15
Life Insurance	\$ 681	1.04212	\$ 29		Exhibit 15
Social Security	\$ 24,611	1.04212	\$ 1,037		Exhibit 15
Misc. Charges Transferred	\$ (67,820)	1.04212	\$ (2,856)		Exhibit 15
Outside Services	\$ 5,068	1.04212	\$ 213		Exhibit 15
All Other Non-Labor Expense	\$ 361,200	1.04212	\$ 15,213		Exhibit 15
Insurance	\$ 22,714	1.04212	\$ 957		Exhibit 15
j) Health Insurance					
Estimated FY 2019	\$ 100,638				
Actual FY 2108	\$ 77,393				
Difference				\$ 23,245	FY 2019 Adopted Budget
k) Taxes - Assumed to be at 2% per year in order to fall within Governor Cuomo's maximum target level.					
	\$ 25,390	1.04212	\$ 1,069		Exhibit 15
l) Depreciation - Forecast level driven by forecast plant additions				\$ 47,178	Rate Base Work paper
m) Amortizations - to reflect 3 yr amortization of rate case costs.				\$ 7,000	
n) Rate Base				\$ 466,617	Rate Base Work paper
o) Rate of Return					Exhibit 8

**Village of Hamilton**  
**Electric Department**  
**Historic Balance Sheets - Assets**  
**As of May 31,**

	2016	2017	2018
<b>ASSETS</b>			
<b>FIXED ASSETS</b>			
Operating Property - Electric (101)	\$ 9,847,455	9,972,286	10,236,043
Construction Work in Progress (110)	<u>94,027</u>	<u>39,045</u>	<u>46,815</u>
Total Fixed Assets	9,941,482	10,011,331	10,282,858
<b>INVESTMENTS</b>			
Loans to Operating Municipality (113)			
Depreciation Funds (116)	1,818,111	2,172,221	2,390,948
Miscellaneous Special Funds (117)			
Total Investments	1,818,111	2,172,221	2,390,948
<b>CURRENT ASSETS</b>			
Cash (121)	172,770	146,690	198,006
Working Funds (122)	175	175	175
Materials and Supplies (123)	207,711	177,391	129,307
Receivables from Operating Municipality (124)	0	0	
Accounts Receivable (125)	184,093	216,772	389,117
Notes Receivable (126)			
Interest and Dividends Receivable (127)			
Prepayments (128)	36,132	36,132	35,176
Special Deposits	24,404	25,259	<u>24,923</u>
Misc. Current Assets	<u>40,498</u>	<u>17,409</u>	<u>0</u>
Total Current Assets	665,783	619,828	776,704
<b>DEFERRED DEBITS</b>			
Suspense to be Amortized (143)	171,838	74,824	115,608
Clearing Accounts (144)			
Total Deferred Debits	171,838	74,824	115,608
Total Assets and Other Debits	<u>12,597,214</u>	<u>12,878,204</u>	<u>13,566,118</u>

**Village of Hamilton**  
**Electric Department**  
**Historic Balance Sheets - Liabilities**  
**As of May 31,**

	2016	2017	2018
<b>LIABILITIES AND RETAINED EARNINGS</b>			
LONG-TERM DEBT	\$ 1,338,000	1,268,000	1,203,000
Bonds (231)	40,498	17,409	
Miscellaneous Long Term Debt (233)	675,828	671,935	670,580
Total Long-Term Debt	2,054,326	1,957,344	1,873,580
<b>CURRENT AND ACCRUED LIABILITIES</b>			
Accounts Payable (242)	115,990	246,981	325,935
Notes Payable (243)			
Customer Deposits (244)	24,404	25,259	24,923
Taxes Accrued (248)	15,711	15,763	15,535
Interest Accrued (249)	12,357	11,758	8,960
Advanced Billing and Payments (251)	48,389	48,389	0
Miscellaneous Current Liabilities (252)	65,718	70,252	107,658
Total Current Liabilities	282,569	418,402	483,011
<b>RESERVES</b>			
Depreciation Reserves (261)	5,875,550	6,190,942	6,520,115
Amortization Reserves (262)	0		
Contributions for Extensions (263)	0		
Insurance Reserve (264)	0		
Injuries and Damages Reserve (265)	0		
Reserve for Uncollectible Accounts (266)	7,524	10,552	9,121
Miscellaneous Reserves (267)	0		
Total Operating Reserves	5,883,074	6,201,494	6,529,236
<b>DEFERRED CREDITS</b>			
Unamortized Premium on Debt (271)			
Miscellaneous Unadjusted Credits (272)	23,623	21,387	136,995
Total Deferred Credits	23,623	21,387	136,995
<b>SURPLUS</b>			
Contributions - Operating Municipality (280)	(1,523,978)	(1,611,035)	(1,671,035)
Surplus (281)	5,877,600	5,890,612	6,214,331
Total Surplus	4,353,622	4,279,577	4,543,296
 Total Liabilities and Other Credits	 12,597,214	 12,878,204	 13,566,118

Source Data: PSC Annual Report Pages 104 and 105

## Exhibit 5

**Village of Hamilton**  
**Electric Department**  
**Historic Income Statements**  
**For the Years Ended May 31,**

	FY 2016	FY 2017	FY 2018
<u>Revenues</u>			
Non-Fuel Revenues	\$ 2,326,422	\$ 2,353,887	\$ 2,419,955
Purchased Power Revenues	\$ 549,719	\$ 662,660	\$ 643,977
Other Revenues	\$ 21,687	\$ 47,024	\$ 202,877
Total Operating Revenues	\$ 2,897,828	\$ 3,063,571	\$ 3,266,809
<u>Operating Expenses</u>			
Purchased Power	\$ 1,478,868	\$ 1,606,438	\$ 1,739,865
PSC 18a Assessment	\$ 22,700	\$ 15,103	\$ 6,602
TCCS	\$ 86,717	\$ 86,717	\$ 83,423
Labor	\$ 275,094	\$ 290,353	\$ 299,457
Workmans Comp and Liability Insurance	\$ 4,746	\$ 7,640	\$ 5,461
Pension	\$ 60,242	\$ 42,857	\$ 38,808
Health Insurance	\$ 137,842	\$ 148,393	\$ 77,393
OPEBs	\$ 68,612	\$ 70,011	\$ 71,820
Disability Insurance	\$ 939	\$ 919	\$ 939
Life Insurance	774	\$ 775	\$ 681
Social Security	\$ 23,080	\$ 23,396	\$ 24,611
Misc. Charges Transferred	(56,626)	\$ (52,738)	\$ (67,820)
Outside Services	\$ 4,400	\$ 4,968	\$ 5,068
All Other Non-Labor Expense	\$ 213,052	\$ 183,479	\$ 361,200
Uncollectible Revenues - Electric	\$ -	\$ 7,984	\$ -
Insurance	\$ 31,131	\$ 30,728	\$ 22,714
Taxes	\$ 24,842	\$ 25,625	\$ 25,390
Depreciation	\$ 293,255	\$ 297,262	\$ 304,492
PILOT	\$ 60,000	\$ 60,000	\$ 60,000
Interests and Amortizations	\$ -	\$ -	\$ -
Total Operating and Maintenance Expenses	\$ 2,729,666	\$ 2,849,910	\$ 3,060,104
Net Income	<u>\$ 168,162</u>	<u>\$ 213,661</u>	<u>\$ 206,705</u>

Source : PSC Annual Report Pages 106, 301 and 307

## Exhibit 6

**Village of Hamilton**  
**Electric Department**  
**Revenues by Rate Class and kWh Sales**  
**Fiscal Years Ending May 31,**

Operating Revenues		2016	2017	2018
<u>Acct. No.</u>	<u>Account Title</u>			
601	Residential Sales	\$942,183	\$1,010,773	\$1,079,433
602	Commercial Sales	226,960	232,580	237,100
603	Industrial Sales	1,558,241	1,623,888	1,586,547
604	Public Street Lighting - Operating Mun.	36,842	37,117	36,791
605	Public Street Lighting - Other	0	0	0
606	Other Sales to Operating Municipality	108,879	108,022	120,811
607	Other Sales to Other Public Authorities	506	516	507
608	Sales to Other Distributors	0	0	0
609	Sales to Railroads and Street Railroads	0	0	0
610	Security Lighting	7,608	7,656	7,663
	Total	<u>\$2,881,219</u>	<u>\$3,020,552</u>	<u>\$3,068,852</u>
 <u>kWh Sales</u>				
601	Residential Sales	19,233,398	20,014,160	21,324,724
602	Commercial Sales	3,831,583	3,763,802	3,892,565
603	Industrial Sales	36,364,811	36,312,655	36,287,081
604	Public Street Lighting - Operating Mun.	170,848	169,996	167,367
605	Public Street Lighting - Other	-	-	-
606	Other Sales to Operating Municipality	2,399,580	2,302,350	2,703,250
607	Other Sales to Other Public Authorities	6,390	6,370	6,328
608	Sales to Other Distributors	-	-	-
609	Sales to Railroads and Street Railroads	-	-	-
610	Security Lighting	25,560	25,560	25,560
	Total	<u>62,032,170</u>	<u>62,594,893</u>	<u>64,406,875</u>



## Exhibit 7

**Village of Hamilton**  
**Electric Department**  
**Number of Customers**

	2016	2017	2018
Month	Number of Customers	Number of Customers	Number of Customers
June	1,655	1,656	1,601
July	1,609	1,618	1,605
August	1,603	1,611	1,640
Sept	1,630	1,647	1,592
Oct	1,615	1,599	1,590
Nov	1,592	1,590	1,602
Dec	1,584	1,585	1,594
Jan	1,585	1,586	1,596
Feb	1,590	1,592	1,600
March	1,583	1,585	1,597
April	1,590	1,587	1,597
May	1,589	1,595	1,648
<b>TOTALS</b>	<b>19,225</b>	<b>19,251</b>	<b>19,262</b>
Account 601	15,029	15,050	15,045
Account 602	2,315	2,317	2,322
Account 603	1,227	1,224	1,240
Account 604	84	84	81
Account 605			0
Account 606	198	204	200
Account 607	48	48	48
Account 608			
Account 609			
Account 610	324	324	326
<b>TOTALS</b>	<b>19,225</b>	<b>19,251</b>	<b>19,262</b>

Source Data: PSC Annual Reports, page 301

## Exhibit 8

**Village of Hamilton**  
**Electric Department**  
**Capital Structure and Rate of Return**

	<u>ProForma Amount</u>	<u>%</u>	<u>Cost Rate</u>	<u>Rate of Return</u>
Long-term debt 1/	1,203,000	20.7%	4.37%	0.90%
Customer deposits 2/	24,923	0.4%	0.05%	0.00%
Net surplus 3/	<u>4,593,296</u>	<u>78.9%</u>	3.81%	<u>3.01%</u>
Total	<u><u>5,821,219</u></u>	100.0%		<u><u>3.91%</u></u>

Notes:

1/ Source: PSC Annual Report page 252

2/ Source: PSC Annual Report page 105

3/ Source: PSC Annual Report Pages 104

Notes: Hamilton's long term debt is rated A2 by Moody's. For surplus, a proxy rate was 3.81% from the PSC rate case for Bath, Case 17-E-0429, order issued and effective 4/23/2018.

## Exhibit 9

**Village of Hamilton  
Electric Department  
Rate Base**

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>Rate Year 1/</u>
Gross Plant				
Operating Property	\$9,847,455	\$9,972,286	\$10,236,043	\$ 11,226,516
Construction Work in Progress	<u>94,027</u>	<u>39,045</u>	<u>46,815</u>	<u>0</u>
Total Gross Plant	9,941,482	10,011,331	10,282,858	11,226,516
Depreciation Reserve	5,875,550	6,190,942	6,520,115	7,008,559
Amortization Reserves	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Contributions for Extensions	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Net Plant	4,065,932	3,820,389	3,762,743	4,217,957
Materials & Supplies	207,711	177,391	129,307	129,307
Prepayments	36,132	36,132	35,176	35,176
Rate Case Expense	<u>0</u>	<u>0</u>	<u>0</u>	<u>14,000</u>
Working Capital				
Total Operating Expenses	2,729,666	2,849,910	3,060,104	3,083,638
Purchased Power	1,588,284	1,708,257	1,829,891	1,821,292
Depreciation	293,255	297,262	304,492	351,670
PILOT/Other Taxes	213,052	183,479	361,200	26,459
Uncollectibles	<u>0</u>	<u>7,984</u>	<u>0</u>	<u>0</u>
Net Expenses	635,075	652,927	925,721	910,677
Working Capital Required @ 1/8	79,384	81,616	115,715	113,835
Working Capital Required @ 1/12	<u>132,357</u>	<u>142,355</u>	<u>152,491</u>	<u>151,774</u>
Year End Total Rate Base	<u><u>\$4,521,516</u></u>	<u><u>\$4,257,883</u></u>	<u><u>\$4,195,432</u></u>	<u><u>\$4,662,049</u></u>

Source Data: Historical Data - PSC Annual Reports, Pages 104 and 105  
Rate Year - Rate Base Work paper

**Exhibit 10**

**Village of Hamilton  
Electric Department  
Factor of Adjustment**

	<b><u>2013</u></b>	<b><u>2014</u></b>	<b><u>2015</u></b>	<b><u>2016</u></b>	<b><u>2017</u></b>	<b><u>2018</u></b>
KWH Sold	64,689,306	67,205,889	66,687,392	62,032,170	62,594,893	64,406,875
KWH Purchased	70,171,079	70,830,720	70,503,424	65,056,972	66,566,440	68,561,100
Factor of Adjustment	1.0847	1.0539	1.0572	1.0488	1.0634	1.0645
Six Year Average						1.0621

Source Data: PSC Annual Reports, page 400

**Village of Hamilton**  
**Electric Department**  
**Revenue Allocation and Development of Base Rate Increase**

Derivation of Base Rate % Increase

Test Year Base Revenues	\$	2,419,955	
Adjustments for Weather and Customer Growth			
PPAC -- Impact of Test Year PPAC reconciliation	\$	4,080	
Weather Normalization - test year colder than normal	\$	(32,444)	
Growth Analysis (lost customers)	\$	(851)	
Energy Conservation - To reflect effects of IEEP Program	\$	(12,324)	
Subtotal	\$	(41,539)	
Normalized Rate Year Base Revenues Before Increase	\$	2,378,416	
Base Rate Increase	\$	213,484	9.0%

Allocation of Increase to Classes

	Sales (kWh)	Base Revenues	PPAC Conservation	Weather Customers	Total	Increase %	Increase \$
SC1	21,324,724	\$ 853,778	\$ 1,351	\$ (26,604)	\$ 1,345	9.0%	\$ 74,488
SC2	3,892,565	\$ 197,014	\$ 247	\$ (5,840)	\$ (2,196)	9.0%	\$ 16,832
SC3	36,287,081	\$ 1,232,479	\$ 2,299	\$ -	\$ -	9.0%	\$ 109,879
SC4	25,560	\$ 7,416	\$ 2	\$ -	\$ -	9.0%	\$ 666
SC5	167,367	\$ 35,174	\$ 11	\$ -	\$ -	9.0%	\$ 3,158
Other	2,709,578	\$ 94,094	\$ 172	\$ -	\$ -	9.0%	\$ 8,461
Total	64,406,875	\$ 2,419,955	\$ 4,080	\$ (12,324)	\$ (32,444)	9.0%	\$ 213,484

Development of Base Rate Increase for Residential and Small Commercial Classes

# of Bills	Current Revenues from Customer Charge	Current Base Revenues from Energy	Revenues from \$1 Increase in Customer Charge 1/	Base Rate Increase	Total	%
15,045	\$ 39,719	\$ 790,151	\$ 15,045	\$ 59,443	\$ 74,488	7.5%
2,322	\$ 7,129	\$ 180,398	\$ 2,322	\$ 14,510	\$ 16,832	8.0%
17,367	\$ 46,847	\$ 970,549		\$ 73,953	\$ 91,320	

1/ Per Commission Order in Case 17-E-0429 when fixed customer costs are higher than current customer charge, customer charge may be increased by \$1 per month

**Village of Hamilton  
Electric Department  
Comparison of Present and Proposed Rates**

	<u>Present Rate</u>	<u>Proposed Rate</u>	<u>Increase Amount</u>	<u>Increase Percent</u>
<b><u>Service Classification No. 1 - Residential</u></b>				
<b>May - October</b>				
Customer Service Charge	2.64	3.64	1.00	38%
Energy Charge - 1,000 kWh or less, per kWh	0.0351	0.0377	0.0026	7.5%
Minimum Charge per month, per meter	2.64	3.64	1.00	38%
<b>November - April</b>				
Customer Service Charge	2.64	3.64	1.00	38%
Energy Charge - 1,500 kWh or less, per kWh	0.0351	0.0377	0.0026	7.5%
Over 1,500 kWh	0.0442	0.0475	0.0033	7.5%
Minimum Charge per month, per meter	2.64	3.64	1.00	38%
<b><u>Service Classification No. 2 - Small Commercial (Under 6,000 kWh per month and 10 KW demand)</u></b>				
Customer Service Charge	3.07	4.07	1.00	33%
Energy Charge, per kWh	0.0418	0.0452	0.0034	8.0%
Reactive Charge, per RKVA	0.0529	0.0572	0.0043	8.0%
<b><u>Service Classification No. 3 - Commercial (20 KW to 75 KW demand)</u></b>				
Energy Charge, per kWh	0.0225	0.0245	0.0020	9.0%
Demand Charge, per kW	3.99	4.35	0.3581	9.0%
Reactive Charge, per RKVA	0.0331	0.0361	0.0030	9.0%
<b><u>Service Classification No. 4 - Private Outdoor Lighting</u></b>				
Customer Charge, per lamp	9.03	9.84	0.8105	9.0%
Energy Charge, per kWh	0.0386	0.0421	0.0035	9.0%
175 Watt mercury vapor unit or 100 watt high pressure sodium vapor unit	7.17	7.81	0.6436	9.0%
175 Watt mercury vapor unit or 100 watt high pressure sodium vapor unit	12.39	13.50	1.1121	9.0%
175 Watt mercury vapor unit or 100 watt high pressure sodium vapor unit	16.56	18.05	1.4864	9.0%
<b><u>Service Classification No. 5 - Street Lighting</u></b>				
Faculties Charge, per lamp	12.27	13.37	1.1013	9.0%
Energy charge, per kWh	3.86	4.21	0.3465	9.0%

**LATE PAYMENT CHARGE - Rate including 1.5% late payment charge due and payable 23 days  
after LAST DAY TO PAY NET date on bill.**

**ALL RATES SUBJECT TO PURCHASED POWER ADJUSTMENT.  
Purchased Power Adjustment also subject to late payment charge.**

Village of Hamilton  
Electric Department  
Comparison of Monthly Bills

Service Classification No. 1 - Residential

<u>kWh Used</u>	<u>Present Rate</u>		<u>Proposed Rate</u>		<u>\$ Increase</u>		<u>% Increase</u>	
	May to October	November to April	May to October	November to April	May to October	November to April	May to October	November to April
0	2.64	2.64	3.64	3.64	1.00	1.00	37.9%	37.9%
2	2.73	2.73	3.73	3.74	1.01	1.01	36.9%	36.8%
10	3.08	3.10	4.10	4.13	1.03	1.03	33.4%	33.1%
25	3.73	3.79	4.79	4.86	1.07	1.07	28.6%	28.1%
50	4.82	4.95	5.95	6.08	1.13	1.13	23.5%	22.9%
75	5.90	6.10	7.10	7.30	1.20	1.20	20.3%	19.6%
100	6.99	7.25	8.25	8.51	1.26	1.26	18.1%	17.4%
150	9.17	9.56	10.56	10.95	1.40	1.40	15.2%	14.6%
200	11.34	11.86	12.87	13.39	1.53	1.53	13.5%	12.9%
250	13.52	14.17	15.18	15.83	1.66	1.66	12.3%	11.7%
500	24.39	25.69	26.71	28.01	2.32	2.32	9.5%	9.0%
750	35.27	37.22	38.25	40.20	2.98	2.98	8.5%	8.0%
900	41.79	44.13	45.17	47.51	3.38	3.38	8.1%	7.7%
1,000	46.14	48.74	49.78	52.38	3.64	3.64	7.9%	7.5%
1,500	67.89	71.79	72.85	76.75	4.96	4.96	7.3%	6.9%
2,000	89.64	99.39	95.92	106.01	6.28	6.62	7.0%	6.7%
2,058	92.16	102.59	98.60	109.41	6.43	6.82	7.0%	6.6%
5,000	220.14	264.99	234.34	281.59	14.20	16.60	6.5%	6.3%
PPAC:	0.0084	0.0110						

Village of Hamilton  
Electric Department  
Comparison of Monthly Bills

Service Classification No. 2 - Non-demand Metered

<u>kWh Used</u>	<u>Present Rate</u>	<u>Proposed Rate</u>	<u>\$ Increase</u>	<u>% Increase</u>
0	3.07	4.07	1.00	32.6%
25	4.37	5.45	1.08	24.8%
50	5.66	6.83	1.17	20.6%
100	8.25	9.59	1.34	16.2%
500	28.97	31.65	2.68	9.3%
600	34.15	37.17	3.02	8.8%
750	41.92	45.44	3.52	8.4%
1,000	54.87	59.23	4.36	7.9%
1,250	67.82	73.02	5.20	7.7%
1,500	80.77	86.81	6.04	7.5%
1,624	87.19	93.65	6.46	7.4%
2,000	106.67	114.39	7.72	7.2%
2,250	119.62	128.18	8.56	7.2%
2,500	132.57	141.98	9.41	7.1%
3,000	158.47	169.56	11.09	7.0%
5,000	262.07	279.88	17.81	6.8%

PPAC:

0.0100



Village of Hamilton  
Electric Department  
Comparison of Monthly Bills

Service Classification No. 3 - General Service - Demand Metered

<u>KW</u>	<u>kWh</u>	<u>Present Rate</u>	<u>Proposed Rate</u>	<u>\$ Increase</u>	<u>% Increase</u>
20	3,650	198.43	212.96	14.53	7.3%
	7,300	317.05	338.96	21.91	6.9%
	10,950	435.68	464.95	29.28	6.7%
50	9,125	496.06	532.40	36.34	7.3%
	18,250	792.63	847.39	54.76	6.9%
	27,375	1,089.19	1,162.38	73.19	6.7%
75	13,688	744.09	798.60	54.50	7.3%
	27,375	1,188.94	1,271.08	82.15	6.9%
	41,063	1,633.78	1,743.57	109.79	6.7%

PPAC: 0.0100

**Village of Hamilton  
Electric Department  
Comparison of Customer Cost Per Bill and Minimum Charge**

<u>Line No.</u>	Cost Item	Cost (\$)	Customer Related Cost (\$)	Source
1	Customer Accounting		\$ 74,278	Account 761
2	Benefits & Pension	\$ 117,821		Account 785
3	Total Labor	\$ 339,271		Company Workpapers see "Labor Worksheet.xlsx"
4	Benefit %	35%		Line 2/ line 3
5	Cust. Acct. Labor	\$ 51,820		Company Workpapers see "Labor Worksheet.xlsx"
6	Cust Acct Benefits		\$ 17,996	Line 4 x line 5
7	A&G Labor	\$ 126,764		Company Workpapers see "Labor Worksheet.xlsx"
8	Total Labor	\$ 339,271		Company Workpapers see "Labor Worksheet.xlsx"
9	Non A&G Labor	\$ 212,507		Line 8 - line 7
10	Cust Acct as % of Non A&G Lat	24%		Line 5 / line 9
11	Allocated A&G Labor to Cust Acct		\$ 30,912	Line 10 x line 7
12	All Other A&G			
13	Total A&G	\$ 547,038		Accounts 920-933
14	Less Benefits	\$ 117,821		Line 2
15	Less A&G Labor	\$ 126,764		Line 7
16	Less Depr on general plant	\$ 20,161		Account 788
17	Net A&G	\$ 282,292		Line 13 - lines 14-16
18	Allocated to Cust Acct		\$ 68,837	Line 10 x line 17
19	Total Expenses		\$ 192,023	Sum of Lines 1, 6, 11, 18
	Rate Base			
20	Poles	\$ 429,074	\$ 107,269	Account 358 @ 25%
21	Conductor	\$ 374,297	\$ 93,574	Account 363 @ 25%
22	Services	\$ 137,139	\$ 137,139	Account 366
23	Transformers	\$ 790,350	\$ 790,350	Account 365
24	Meters	\$ 73,316	\$ 73,316	Accounts 368
25	Total Net Plant		\$ 1,000,805	Line 20 thru line 24
26	Working Capital		\$ 24,003	1/8 x line 19
27	Total Rate Base		\$ 1,024,808	Line 25 + line 26
28	Weight Cost of Capital	3.91%	\$ 40,066	Exhibit 8
	Depreciation expense related to Customer portion of rate base		\$ 88,570	Gross Plant at above weightings at book depreciation rates
29				
30	Total Customer Cost		\$ 320,659	Line 19 + line 28 + line 29
31	# of Bills per year		19,262	Exhibit 6
32	Customer Cost Per Bill		\$ 16.65	Line 30 / line 31

**Village of Hamilton  
Electric Department  
Calculation of Escalation Factors**

Year	Month	# of Months		Estimated Annual Escalation Rate	Monthly Escalation Rate	Escalation Factor
2017	6					
	7					
	8					
	9					
	10		Property Tax	2.00%	1.00165158	1.042118305
2018	11	1				
	12	2	Labor and Inflation	2.50%	1.00205984	1.052789115
	1	3				
	2	4	Inflation	2.00%	1.00165158	1.042118305
	3	5				
2019	4	6				
	5	7				
	6	8				
	7	9				
	8	10				
	9	11				
	10	12				
	11	13				
	12	14				
	1	15				
	2	16				
	3	17				
2020	4	18				
	5	19				
	6	20				
	7	21				
	8	22				
	9	23				
	10	24				
	11	25				
	12	26				
	1	27				
	2	28				
	3	29				
	4	30				
	5	31				