

Village of Castile**Electric Department****Forecasted Income Statements with Rate of Return**

	Test Year FY 2011	PSC Normalizing Adjustments		Normalized Test Year	Known Changes		Updated Normalized Rate Year	Increase	Rate Year After Increase	% Increase
Operating revenues	491,005	(3,173)	a)	487,832			\$487,832	\$135,554	\$623,387	27.8%
Operating Expenses:										
Purchased Power	285,805	878	b)	286,683			\$286,683		\$286,683	
PSC 18a Assessment	0			0			\$0		\$0	
TCCs	10,327			10,327			\$10,327		\$10,327	
Total PPAC Expenses	296,132			296,132			\$296,132		\$296,132	
Labor	43,421			43,421	48,375	c)	\$91,796		\$91,796	
Workers Compensation and Liability Insurance	0			0			\$0		\$0	
Pension	11,192			11,192	7,610	d)	\$18,474		18,474	
Health Insurance	7,896			7,896	8,011	e)	\$15,907		\$15,907	
IEEP	9,690			9,690			\$9,690		\$9,690	
All Other Non-Labor Expense	85,388			85,388			\$85,388		85,388	
Uncollectible Revenues	1,800			1,800			\$1,800		\$1,800	
Taxes	398			398			\$398		\$398	
PILOT	1,680			1,680	(59)	f)	1,621		1,621	
Amortizations	0			0	6,000	g)	6,000		6,000	
Depreciation	<u>48,040</u>			<u>48,040</u>	14,948	h)	<u>62,988</u>		<u>62,988</u>	
Total Operating Expenses	505,637			505,637			590,193		590,193	
Operating Income	(14,632)			(17,805)			(102,361)		33,193	
Rate Base	675,517			675,517	164,714	i)	840,231		840,231	
Rate of Return	-2.17%			-2.64%			-12.18%		3.95%	

Village of Castile
Electric Department
Explanation of Adjustments

Test Year Normalization

a) Revenues

PPAC -- Impact of Test Year PPAC reconciliation	\$	(5,199)	
Weather Normalization - test year colder than normal	\$	2,027	
Growth Analysis	\$	-	
Total			\$ (3,173)

b) Purchased Power

PPAC - decreased cost to reverse colder than normal weather	\$	878	
PPAC - increased cost for new sales	\$	-	
			\$ 878

c) to reflect labor realignment between departments, personnel changes and was increases \$ 48,375

d) Pension -- To reflect latest invoice and changes to labor between departments \$ 7,610

e) Health Insurance -- To reflect latest invoice and changes to labor between departments \$ 8,011

f) PILOT - to reflect latest invoice \$ (59)

g) Amortization -- to reflect 3 yr amortization of rate case costs \$ 6,000

i) Depreciation -- to reflect 10 yr amortization of new equipment \$ 14,948

i) Reflects impact of new Equipment \$ 164,714

Exhibit 3

Village of Castile
Electric Department
Historical Balance Sheets
As of May 31,

	2011	2012	2013
ASSETS			
Cash and Cash Equivalents	\$45,178	\$46,027	\$37,277
Working funds	\$150	\$150	\$150
Depreciation Funds	\$103,006	\$81,046	\$56,856
Miscellaneous Special Funds	\$10,794	\$10,484	\$11,809
Receivable - Municipality	\$1,314	\$27,518	\$23,941
Accounts Receivable,	\$30,541	\$1,408	\$1,402
Materials and Supplies	\$27,727	\$35,746	\$36,031
Prepaid Expenses			
Note Receivable			
Property, Plant and Equipment	\$1,508,823	\$1,638,922	\$1,652,206
Construction WIP			
Total Assets	<u>\$1,727,533</u>	<u>\$1,841,301</u>	<u>\$1,819,672</u>
LIABILITIES AND RETAINED EARNINGS			
Accounts Payable	\$19,478	\$16,921	\$17,212
Customer Deposits	\$10,051	\$9,801	\$11,101
Matured Interest	\$341	\$280	\$306
Accrued Taxes	\$1,553	\$1,540	\$1,694
Miscellaneous Current Liabilities	\$0	\$0	\$0
Depreciation Reserves	\$879,108	\$1,002,914	\$967,528
Reserve for Uncollectible	\$4,892	\$5,714	\$4,831
Notes Payable	\$0	\$0	\$0
Contributions for Extensions	\$88,044	\$88,044	\$88,044
Bonds Payable	0	0	0
Total Liabilities	<u>\$1,003,467</u>	<u>\$1,125,214</u>	<u>\$1,090,716</u>
Retained Earnings:			
Contributions - Operating Municipality	(\$230,493)	(\$235,301)	(\$233,621)
Total Surplus	954,559	951,388	962,577
Total Retained Earnings	<u>\$724,066</u>	<u>\$716,087</u>	<u>**</u>
Total Liabilities and Retained Earnings	<u>\$1,727,533</u>	<u>\$1,841,301</u>	<u>#VALUE!</u>

Source Data: PSC Annual Reports

Exhibit 4

**Village of Castile
Electric Department
Historical Income Statements
For the Years Ended May 31,**

	Acct	2011	2012	2013
Operating revenues		\$475,344	\$435,621	\$491,005
Operating Expenses:				
Account #	Account Title			
721.	Electricity Purchased	273,093	252,422	296,132
733.	Depreciation of Transmission Property	57	56	57
736.	Repairs to Poles, Towers and Fixtures			3,401
737.	Repairs to Underground Conduits			
738.	Depreciation of Poles, Towers, Fixtures & Conduits	8,227	8,234	8,347
741.1	Distribution Super. and Engineering	6,619	7,529	9,894
741.2	Operation of Distribution Substations	7,170	11,604	10,226
741.4	Operation of Distribution Lines	21,683	12,539	3,741
741.5	Operation of Consumers' Meters	73	942	260
742.1	Repairs to Distribution Structure and Equipment	52	102	2,126
742.4	Repairs to Overhead Distribution Cond.	1,703	43	
742.6	Repairs to Line Transformers			6,865
742.7	Repairs to Services		185	878
742.8	Test and Repairing Consumers' Meters	1,094	1,847	45
742.9	Repairs to Other Property on Cons. Premises	247	1,958	613
743.	Depreciation of Distribution Property	33,947	34,948	35,466
751.1	Street Lighting & Sign Syst Super and Engr.	639	965	359
751.2	Operation of Street Lighting & Sig System	946	292	493
752.	Repairs to Street Lighting & Sig Sys Equipment	6,426	6,483	3,981
753.	Depreciation of Street Lighting & Sig Sys Equip	592	592	592
761.	Consumer Accounting and Collection Labor & Sup	13,209	17,086	12,356
781.	General Office Salaries and Expense	21,562	22,489	22,163
781	Law Department	135		
782	Other General Expense	4,525	6,719	6,387
782.	Management Service	3,400	7,010	
783.	Insurance, Injuries and Damages	5,207	6,363	5,941
785.	Other General Expense	44,236	46,255	59,734
786.	General Rents	7,200	7,200	7,200
788.	Depreciation of General Property	367	1,225	3,578
792.	Miscellaneous Expenses Transferred - Cr.	<u>(\$15,837)</u>	<u>(\$20,261)</u>	<u>(\$9,466)</u>
Total Operating Expenses		446,572	434,827	491,369
Operating Income		28,772	794	(364)

Exhibit 5

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

		2011	2012	2013
<u>Acct. No.</u>	<u>Operating Revenues</u>			
601	Residential Sales	\$349,554	316,970	358,008
602	Commercial Sales	38,584	34,905	35,115
603	Industrial Sales	63,102	66,130	76,460
604	Public Street Lighting - Operating Mun.	10,083	9,500	10,278
605	Public Street Lighting - Other		0	
606	Other Sales to Operating Municipality	5,198	4,740	4,351
607	Other Sales to Other Public Authorities		0	
608	Sales to Other Distributors		0	
609	Sales to Railroads and Street Railroads		0	
610	Security Lighting	<u>\$1,049</u>	<u>977</u>	<u>1,014</u>
	Total	\$467,570	\$433,222	\$485,226
	<u>kWh Sales</u>			
601	Residential Sales	6,840,914	6,390,382	6,742,105
602	Commercial Sales	639,942	593,170	563,465
603	Industrial Sales	1,353,242	1,462,278	1,613,336
604	Public Street Lighting - Operating Mun.	67,473	71,910	70,227
605	Public Street Lighting - Other			
606	Other Sales to Operating Municipality	86,558	81,192	71,488
607	Other Sales to Other Public Authorities			
608	Sales to Other Distributors			
609	Sales to Railroads and Street Railroads			
610	Security Lighting	<u>8,419</u>	<u>7,868</u>	<u>8,262</u>
	Total	8,996,548	8,606,800	9,068,883

Exhibit 6

**Village of Castile
Electric Department
Number of Customers**

	FY 11	FY 12	FY 13
Month	Number of Customers	Number of Customers	Number of Customers
June	620	616	620
July	620	616	621
August	622	616	621
September	621	616	621
October	619	616	617
November	620	616	615
December	620	616	613
January	620	619	614
February	619	620	614
March	618	620	614
April	618	620	614
May	619	620	611
TOTALS	7,436	7,411	7,395
Account 601	6,226	6,237	6,250
Account 602	672	681	669
Account 603	190	181	172
Account 604	12	12	12
Account 605			
Account 606	108	84	76
Account 607			
Account 608			
Account 609			
Account 610	228	216	216
TOTALS	7,436	7,411	7,395

Source Data: PSC Annual Reports, poage 301

Exhibit 7

Village of Castile
Electric Department
Rate of Return

	<u>2013</u> <u>Amount</u>	<u>%</u>	<u>Cost</u> <u>Rate</u>	<u>Rate of</u> <u>Return</u>
Long-term debt	0	0.0%	0.00%	0.00%
Customer deposits	11,101	1.5%	0.70%	0.01%
Net surplus	<u>728,956</u>	<u>98.5%</u>	4.00%	<u>3.94%</u>
Total	<u><u>740,057</u></u>	100.0%		<u><u>3.95%</u></u>

Exhibit 8

**Village of Castile
Electric Department
Rate Base**

	<u>2011</u>	<u>2012</u>	<u>2013</u>	Rate Year
Gross Plant				
Operating Property	\$1,508,823	\$1,638,922	\$1,652,206	\$1,801,684
Construction Work in Progress	0	0	0	0
Total Gross Plant	<u>1,508,823</u>	<u>1,638,922</u>	<u>1,652,206</u>	<u>1,801,684</u>
Depreciation Reserve	879,108	1,002,914	967,528	975,002
Contributions for Extensions	<u>88,044</u>	<u>88,044</u>	<u>88,044</u>	<u>88,044</u>
Total Net Plant	541,671	547,964	596,634	738,638
Materials & Supplies	27,727	35,746	36,031	36,031
Prepayments	0	0	0	0
Rate Case Expense	0	0	0	12,000
Working Capital				
Total Operating Expenses	446,572	434,827	491,369	590,193
Purchased Power	273,093	252,422	296,132	296,132
Depreciation	43,190	45,055	48,040	62,988
PILOT				0
Uncollectibles	<u>1,800</u>	<u>1,800</u>	<u>1,800</u>	<u>0</u>
Net Expenses	<u>128,489</u>	<u>135,550</u>	<u>145,397</u>	<u>231,074</u>
Working Capital Required @ 1/8	16,061	16,944	18,175	28,884
Working Capital Required @ 1/12	<u>22,758</u>	<u>21,035</u>	<u>24,678</u>	<u>24,678</u>
Year End Total Rate Base	<u><u>\$608,217</u></u>	<u><u>\$621,689</u></u>	<u><u>\$675,517</u></u>	<u><u>\$840,231</u></u>

Exhibit 9

Village of Castile
Electric Department
Factor of Adjustment

	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>
KWH Sold	8,828,087	8,954,015	8,661,830	8,996,548	8,606,800	9,068,883
KWH Purchased	9,505,303	9,688,774	9,431,338	9,655,826	9,258,032	9,695,546
Factor of Adjustment	1.0767	1.0821	1.0888	1.0733	1.0757	1.0691
Six Year Average						1.0775

Village of Castile
Electric Department
Comparison of Present and Proposed Rates

	<u>Present Rate</u>	<u>Proposed Rate</u>	<u>Increase Amount</u>	<u>Increase Percent</u>
<u>Service Classification No. 1 - Residential</u>				
Customer Service Charge - per month	1.78	5.00	3.22	180.90%
Energy Charge (per kWh)	0.0322	0.0430	0.011	33.60%
<u>Service Classification No. 2 - General Service Non Demand Metered</u>				
Customer Service Charge - per month	2.04	5.00	2.96	145.10%
Energy Charge (per kWh)	0.0410	0.0551	0.0141	34.28%
<u>Service Classification No. 3 - General Service Demand Metered</u>				
Demand Charge, per KW	4.58	6.52	1.94	42.37%
Energy Charge, kWh	1.4000	1.9932	0.5932	42.37%
<u>Service Classification No. 4 - Private Outdoor Lighting</u>				
Energy Charge	0.0158	0.0225	0.007	42.37%
Facilities Charge, per unit 100 Watt HPS or 175 Watt MV	3.41	4.85	1.44	42.37%
<u>Service Classification No. 5 - Street Lighting</u>				
Energy Charge	0.0158	0.0225	0.007	42.37%
Facilities Charge, per unit	4.33	6.16	1.83	42.37%

**Village of Castile
Electric Department
Comparison of Monthly Bills**

Service Classification No. 1 - Residential

kWh Used	Present Rate	Proposed Rate	\$ Increase	% Increase
0	\$ 1.78	\$ 5.00	\$ 3.22	180.9%
25	\$ 3.05	\$ 6.54	\$ 3.49	114.5%
50	\$ 4.32	\$ 8.08	\$ 3.76	87.2%
75	\$ 5.58	\$ 9.61	\$ 4.03	72.2%
100	\$ 6.85	\$ 11.15	\$ 4.30	62.8%
150	\$ 9.39	\$ 14.23	\$ 4.84	51.6%
250	\$ 14.46	\$ 20.38	\$ 5.92	41.0%
400	\$ 22.06	\$ 29.61	\$ 7.55	34.2%
500	\$ 27.13	\$ 35.76	\$ 8.63	31.8%
804	\$ 42.54	\$ 54.46	\$ 11.92	28.0%
1,000	\$ 52.48	\$ 66.52	\$ 14.04	26.8%
1,356	\$ 70.53	\$ 88.42	\$ 17.89	25.4%
1,500	\$ 77.83	\$ 97.28	\$ 19.45	25.0%
2,000	\$ 103.18	\$ 128.04	\$ 24.86	24.1%
2,100	\$ 108.25	\$ 134.19	\$ 25.94	24.0%
2,500	\$ 128.53	\$ 158.80	\$ 30.27	23.5%
3,000	\$ 153.88	\$ 189.56	\$ 35.68	23.2%
4,000	\$ 204.58	\$ 251.08	\$ 46.50	22.7%
5,000	\$ 255.28	\$ 312.60	\$ 57.32	22.5%
6,000	\$ 305.98	\$ 374.12	\$ 68.14	22.3%
PPAC:	0.01850	FY '13		

**Village of Castile
Electric Department
Comparison of Monthly Bills
Winter**

Service Classification No. 2 - General Service Non Demand Metered

kWh Used	Present Rate	Proposed Rate	\$ Increase	% Increase
0	\$ 2.04	\$ 5.00	\$ 2.96	145.1%
2	\$ 2.16	\$ 5.15	\$ 2.99	138.4%
10	\$ 2.64	\$ 5.74	\$ 3.10	117.7%
25	\$ 3.53	\$ 6.84	\$ 3.31	93.9%
50	\$ 5.02	\$ 8.68	\$ 3.66	73.0%
75	\$ 6.50	\$ 10.52	\$ 4.01	61.7%
100	\$ 7.99	\$ 12.36	\$ 4.37	54.6%
150	\$ 10.97	\$ 16.03	\$ 5.07	46.2%
200	\$ 13.94	\$ 19.71	\$ 5.77	41.4%
250	\$ 16.92	\$ 23.39	\$ 6.47	38.3%
500	\$ 31.79	\$ 41.78	\$ 9.99	31.4%
750	\$ 46.67	\$ 60.17	\$ 13.50	28.9%
1,000	\$ 61.54	\$ 78.55	\$ 17.01	27.6%
1,500	\$ 91.29	\$ 115.33	\$ 24.04	26.3%
1,882	\$ 114.02	\$ 143.43	\$ 29.41	25.8%
2,000	\$ 121.04	\$ 152.11	\$ 31.07	25.7%
2,500	\$ 150.79	\$ 188.88	\$ 38.09	25.3%
3,000	\$ 180.54	\$ 225.66	\$ 45.12	25.0%
4,000	\$ 240.04	\$ 299.21	\$ 59.17	24.7%
5,000	\$ 299.54	\$ 372.77	\$ 73.23	24.4%

PPAC: 0.01850 FY '13

**Village of Castile
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>
25	6,510	\$ 9,348.94	\$ 13,258.91	\$ 3,909.97	41.8%
25	8,370	\$ 11,987.35	\$ 17,000.59	\$ 5,013.25	41.8%
25	10,230	\$ 14,625.76	\$ 20,742.28	\$ 6,116.52	41.8%
25	12,090	\$ 17,264.17	\$ 24,483.96	\$ 7,219.80	41.8%
50	13,020	\$ 18,697.87	\$ 26,517.82	\$ 7,819.95	41.8%
50	16,740	\$ 23,974.69	\$ 34,001.19	\$ 10,026.50	41.8%
50	20,460	\$ 29,251.51	\$ 41,484.56	\$ 12,233.05	41.8%
50	24,180	\$ 34,528.33	\$ 48,967.93	\$ 14,439.60	41.8%
75	19,530	\$ 28,046.81	\$ 39,776.73	\$ 11,729.92	41.8%
75	25,110	\$ 35,962.04	\$ 51,001.78	\$ 15,039.75	41.8%
75	30,690	\$ 43,877.27	\$ 62,226.84	\$ 18,349.57	41.8%
75	36,270	\$ 51,792.50	\$ 73,451.89	\$ 21,659.40	41.8%

PPAC: 0.0185 FY '13

Exhibit 12

Village of Castile
Electric Department
Payroll Analysis for Electric Department -- % Charged to Electric and % Charged to Capital

		Trustees	Office	Field	Total
FY 2011	Total Labor Cost	\$ 5,850	\$ 44,023	\$ 173,351	\$ 223,224
	Electric Labor	\$ 1,463	\$ 19,785	\$ 37,571	\$ 58,819
	% Electric	25%	45%	22%	26%
	Electric Charged to Capital			\$ 5,699	\$ 5,699
	% Capital			15%	10%
FY 2012	Total	\$ 7,200	\$ 46,013	\$ 193,063	\$ 246,276
	Electric	\$ 1,800	\$ 20,689	\$ 39,805	\$ 62,294
	% Electric	25%	45%	21%	25%
	Capital			\$ 8,443	\$ 8,443
	% Capital			21%	14%
FY 2013	Total	\$ 7,200	\$ 45,927	\$ 188,020	\$ 241,147
	Electric	\$ 1,800	\$ 21,124	\$ 26,837	\$ 49,761
	% Electric	25%	46%	14%	21%
	Capital			\$ 2,740	\$ 2,740
	% Capital			10%	6%

						Health Insurance	Penison
Going Forward	Total	\$ 7,200	\$ 45,927	\$ 239,153	\$ 292,280	\$ 38,080	\$ 44,224
	Electric	\$ 1,800	\$ 21,124	\$ 99,901	\$ 122,825	\$ 15,907	\$ 18,474
	% Electric	25%	46%	42%	42%	42%	42%
	Capital			\$ 31,029	\$ 31,029		
	% Capital			31%	25%		
	Electric Income Statement Payroll				\$ 91,796		

Notes: FY 2013 FY 2013 Latest Payroll
% Electric based on Utility Estimate
% Capital -- Double past experience

Proposed 2014 Salaries	
Supt of Public Works	\$ 64,256
Lineman @ \$25.48 per hour and 10% overtime	\$ 58,301
App Lineman @\$17.79 per hour and 10% overtime	\$ 40,704
Laborer @ \$17.3 per hour and 10% overtime	\$ 39,582
New Laborer @ \$15.87 per hour plus 10% overtime	\$ 36,311
Total	\$ 239,153

Note: Enter actual base cost of fuel and RY FOA. Everything else is formula driven from the information on the next 2 sheets.

Village of Castile

5/31/2013

Assume non-weather load to be average of lowest two months kWh sales

From 5/31/13 Annual Report: Actual kWh & Actual Base Revenue

	kWh Sold			Base Revenue		
	Winter	Summer	Total kWh	Winter	Summer	Total \$
	<u>Nov - April kWh</u>	<u>May - Oct kWh</u>		<u>Nov - April \$</u>	<u>May - Oct \$</u>	
601 Residential	4,232,103	2,510,002	6,742,105	\$ 141,899	\$ 86,421	\$ 228,320
602, 608 Commercial	<u>341,652</u>	<u>221,813</u>	<u>563,465</u>	<u>\$ 14,681</u>	<u>\$ 9,788</u>	<u>\$ 24,469</u>
Total	4,573,755	2,731,815	7,305,570	\$ 156,580	\$ 96,209	\$ 252,789

Weather Normalization

	Nov - April	Nov - April	Increase/(Decrease)	Adjusted		Adj. to Sales
	<u>Non-Weather kWh</u>	<u>Weather kWh</u>	<u>-3.3%</u> <u>Weather Load</u>	<u>Nov - Apr kWh</u>		
601 Residential	2,547,615	1,684,488	1,628,478	4,176,093	Weather Normalized	4,514,556
602, 608 Commercial	<u>245,724</u>	<u>95,928</u>	<u>92,738</u>	<u>338,462</u>	Actual	<u>4,573,755</u>
Total	2,793,339	1,780,416	1,721,217	4,514,556		(59,199) -1.3%

	Nov - April	Adjusted	Adjustment
	<u>Base Revenue</u>	<u>Base Revenue</u>	
601 Residential	141,899	140,062	
602 - 608 Commercial	<u>14,681</u>	<u>14,491</u>	
Total	156,580	154,553	(2,027)

Purchased Power

change in kWh (59,199)

Base Cost of Fuel 0.013763
FOA - RY 1.077541

0.0148302

(878)

	Sales	Sales	Rev. Req.
	<u>Adjustment</u>	<u>Growth</u>	<u>Adjustments</u>
Revenue	(2,027)	(17,134)	(19,161)
Purchased Power	(878)	<u>(6,481)</u>	<u>(7,359)</u>

Note: Copy kWh data from Annual Report / Historic Test Year. Determine 2 lowest months of kWh usage for Residential and Commercial.

Village of
Castile

5/31/2013 Sales - from Annual Report

601- RESIDENTIAL

	kWh	kWh	kWh	kWh	Total		Base Rev	Base Rev	Base Rev	Base Rev	Total
June	365,747				365,747		12,709				12,709
July	467,188				467,188	<u>Lowest 2 Months</u>	15,978				15,978
August	382,017				382,017	467,188 July	13,239				13,239
September	343,816				343,816	382,017 Aug	12,005				12,005
October	517,825				517,825		17,607				17,607
November	630,283				630,283	<u>AVG</u>	21,230				21,230
December	801,832				801,832	424,603	26,743				26,743
January	757,976				757,976		25,377				25,377
February	755,632				755,632		25,260				25,260
March	684,914				684,914		22,987				22,987
April	601,466				601,466		20,302				20,302
May	433,409				433,409		14,883				14,883
	6,742,105	-	-	-	6,742,105		228,320	-	-	-	228,320

602 - COMMERCIAL

	kWh	kWh	kWh	kWh	Total		Base Rev	Base Rev	Base Rev	Base Rev	Total
June	35,084				35,084		1,555				1,555
July	43,192				43,192	<u>Lowest 2 Months</u>	1,889				1,889
August	38,716				38,716	43,192 July	1,704				1,704
September	32,484				32,484	38,716 Aug	1,448				1,448
October	38,954				38,954		1,711				1,711
November	49,594				49,594	<u>AVG</u>	2,145				2,145
December	62,029				62,029	40,954	2,655				2,655
January	63,396				63,396		2,711				2,711
February	62,457				62,457		2,673				2,673
March	56,100				56,100		2,412				2,412
April	48,076				48,076		2,085				2,085
May	33,383				33,383		1,481				1,481
	563,465	-	-	-	563,465		24,469	-	-	-	24,469

Note: Update HDD from weather station closest to municipality.

Village of Castile

Heating Degree Data

<http://www.nyserda.ny.gov/en/Page-Sections/Energy-Prices-Supplies-and-Weather-Data/Weather-Data/Monthly-Cooling-and-Heat>

Rochester, NY

SEASON	NOV	DEC	JAN	FEB	MAR	APR	Total	% deviation from 10-yr avg
2004-05	713	1102	1338	1099	1093	566	5911	
2005-06	634	1143	909	1020	894	507	5107	
2006-07	566	802	1085	1250	914	612	5229	
2007-08	795	1105	1068	1113	1029	390	5500	
2008-09	767	1063	1416	1003	903	557	5709	
2009-10	679	1143	1263	1102	773	377	5337	
2010-11	748	1198	1333	1131	965	557	5932	
2011-12	574	925	1068	959	548	578	4652	-15.3%
2012-13	762	888	1071	1064	976	551	5312	-3.3%
2013-14	820	1131	1372	1221	1149	565	6258	13.9%
							5495	10 Year Average of November-April

Village of Castile

Analysis of Sales GrowthAverage
Yearly
Growth

	<u>2011</u>	<u>2012</u>	<u>2013</u>			
RESIDENTIAL						
Actual kWh Sales (per annual report)						
A/C 601 Residential sales (nov-apr)	4,420,789	4,003,773	4,232,103			
A/C 601 Residential sales (other)	<u>2,420,125</u>	<u>2,386,609</u>	<u>2,510,002</u>			
Total Residential	6,840,914	6,390,382	6,742,105			
Nov - Apr Deviation of Degree Days from 20 Year Average	-15.34%	-3.33%	13.89%			
WEATHER NORMALIZED						
A/C 601 Residential sales (nov-apr)	5,098,788	4,136,899	3,644,198			
A/C 601 Residential sales (other)	<u>2,420,125</u>	<u>2,386,609</u>	<u>2,510,002</u>			
Total Residential	7,518,913	6,523,508	6,154,200	-13.24%	-5.66%	-6.3%
COMMERCIAL						
Actual kWh Sales (per annual report)						
A/C 602 Commercial sales (nov-apr)	411,553	363,746	341,652			
A/C 602 Commercial sales (other)	<u>228,389</u>	<u>229,424</u>	<u>221,813</u>			
Total Commercial	639,942	593,170	563,465			
Nov - Apr Deviation of Degree Days from 10 Year Average	-15.34%	-3.33%	13.89%			
WEATHER NORMALIZED						
A/C 602 Commercial sales (nov-apr)	474,671	375,841	294,191			
A/C 602 Commercial sales (other)	<u>228,389</u>	<u>229,424</u>	<u>221,813</u>			
Total Commercial	703,060	605,265	516,004	-13.91%	-14.75%	-9.6%
				Sales Change (kWh)	Energy Rate (\$/kWh)	Base Revenues (\$)
Residential				(387,712)	0.0379	\$ (14,694)
Commercial				(49,291)	0.0495	\$ (2,440)
Total				(437,003)		(17,134)
Purchased Power (Base & FOA)				(437,003)	0.01483	\$ (6,481)
Net Increase/(Decrease)						\$ (10,653)