



## **2010 Annual Report**

**CITY OF WADSWORTH**  
**2010 ELECTRIC AND COMMUNICATIONS DEPARTMENT ANNUAL REPORT**

**2010 CITY OFFICIALS**

MAYOR

Robin Laubaugh

SERVICE DIRECTOR

Chris Easton

ASSISTANT SERVICE DIRECTOR

Harry Stark

John P. Moss

Auditor

David Hammerly

Treasurer

Matthew Hiscock

Safety Director

Norman E. Brague

Law Director

**2010 CITY COUNCIL**

Tom Palecek - President

Timothy Eberling

John Sharkey

Dennis Shultz

Susan Hanlon

Jim Riley

Bruce Darlington

Beth Workman

Gene Post

Manager of Electric  
& Communications

Mark Feller

Communications,  
Substation &  
Project  
Superintendent

Bill Lyren

Superintendent of  
Electric Division

**CITY OF WADSWORTH**  
**ELECTRIC AND COMMUNICATIONS DEPARTMENT**  
**ANNUAL REPORT**

**2010**

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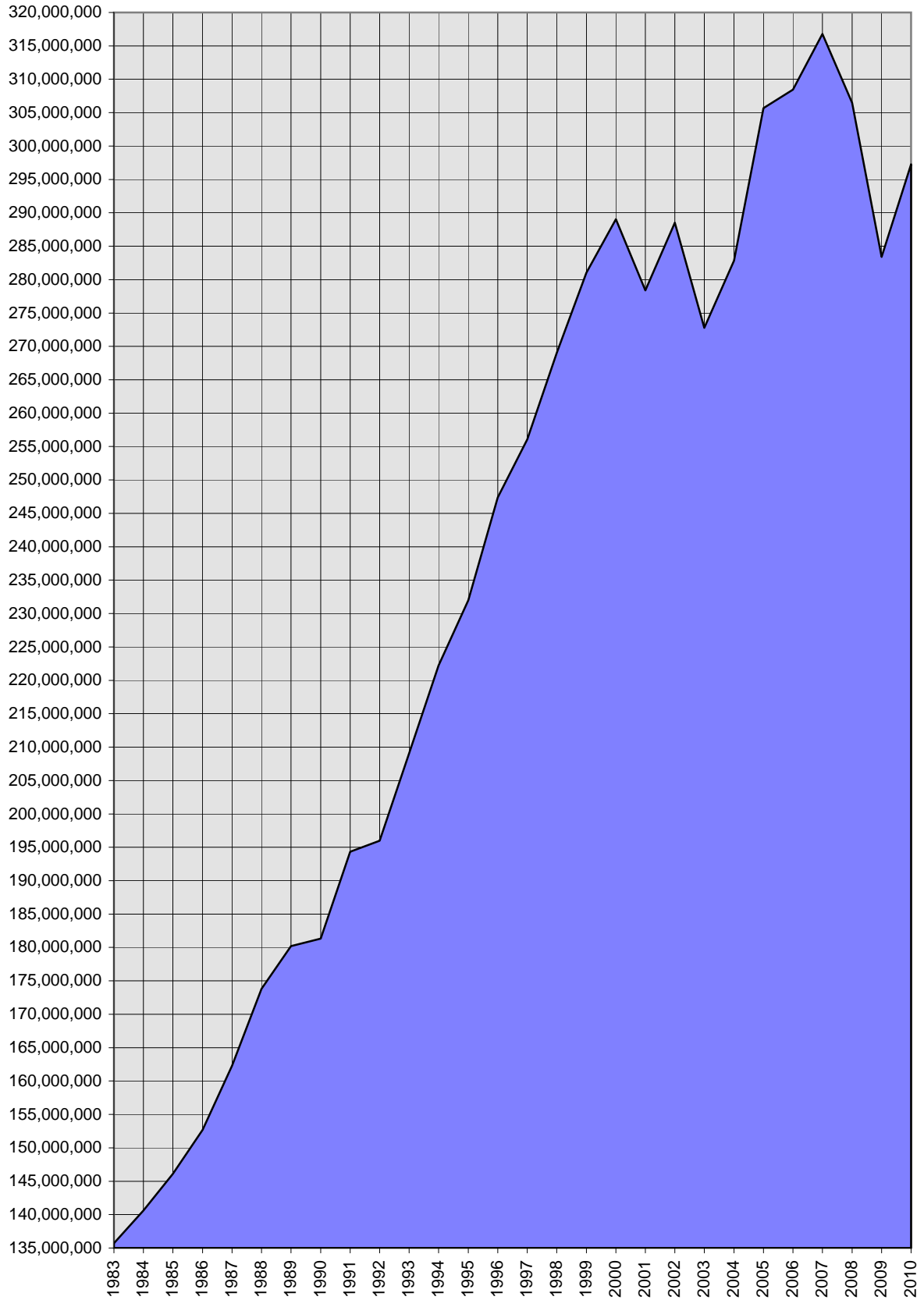
# CITY OF WADSWORTH

## ANNUAL POWER PURCHASE ANNUAL PEAK LOAD

<u>YEAR</u>	<u>DEMAND IN KW</u>	<u>INCREASE OR DECREASE IN KW</u>	<u>%CHANGE</u>	<u>ANNUAL KWH</u>	<u>INCREASE OR DECREASE IN KWH</u>	<u>CHANGE</u>
1951	4,260	420	10.9%	16,501,700	1,759,700	11.9%
1952	4,440	180	4.2%	17,880,000	1,378,300	8.4%
1953	4,800	360	8.1%	19,782,000	1,902,000	10.6%
1954	5,400	600	12.5%	21,000,000	1,218,000	6.2%
1955	6,360	960	17.8%	23,478,000	2,478,000	11.8%
1956	6,640	280	4.4%	26,034,000	2,556,000	10.9%
1957	6,760	120	1.8%	27,872,000	1,838,000	7.1%
1958	7,065	305	4.5%	29,522,000	1,650,000	6.9%
1959	7,110	45	0.6%	31,707,000	2,185,000	7.4%
1960	7,695	585	8.2%	32,885,700	1,178,700	3.7%
1961	7,605	-90	-1.2%	34,389,000	1,503,300	4.6%
1962	8,460	855	11.2%	36,846,000	2,457,000	7.1%
1963	8,820	360	4.3%	38,177,415	1,331,415	3.6%
1964	9,405	585	6.6%	41,094,000	2,916,585	7.6%
1965	10,620	1215	12.9%	44,928,000	3,834,000	9.3%
1966	11,250	630	5.9%	48,726,000	3,798,000	8.5%
1967	11,295	45	0.4%	52,353,000	3,627,000	7.4%
1968	13,050	1755	15.5%	59,148,000	6,795,000	13.0%
1969	14,440	1390	10.7%	66,078,000	6,930,000	11.7%
1970	14,670	230	1.6%	71,802,000	5,724,000	8.7%
1971	16,060	1390	9.5%	73,638,000	1,836,000	2.6%
1972	16,679	619	3.9%	78,084,000	4,446,000	6.0%
1973	19,087	2408	14.4%	81,954,000	3,870,000	5.0%
1974	17,390	-1697	-8.9%	82,791,000	837,000	1.0%
1975	18,814	1424	8.2%	88,064,000	5,273,000	6.4%
1976	18,826	12	0.1%	94,608,000	6,544,000	7.4%
1977	25,279	6453	34.3%	109,836,000	15,777,000	16.7%
1978	26,134	855	3.4%	129,163,436	19,327,436	17.6%
1979	26,148	14	0.1%	134,671,316	4,868,880	3.8%
1980	25,758	-389	-1.5%	135,399,300	727,984	0.5%
1981	25,658	-100	-0.4%	142,392,654	6,993,354	4.9%
1982	26,400	742	2.9%	135,606,000	6,786,654	-4.8%
1983	24,092	-2308	-8.7%	135,696,000	90,000	0.1%
1984	24,640	548	2.3%	140,592,000	4,896,000	3.6%
1985	26,651	2011	8.2%	146,112,000	5,520,000	3.9%
1986	26,579	-72	-0.3%	152,696,000	6,584,000	4.5%
1987	32,183	5604	21.1%	162,288,000	9,592,000	6.3%
1988	33,335	1152	3.6%	173,808,000	11,520,000	7.1%
1989	33,437	102	0.3%	180,192,000	6,384,000	3.7%
1990	34,214	777	2.3%	181,337,295	1,145,295	0.6%
1991	37,699	3485	10.2%	194,352,000	13,014,705	7.2%
1992	36,950	-749	-2.0%	195,974,000	1,622,000	0.8%
1993	41,630	4680	12.7%	209,057,700	3,083,700	6.7%
1994	41,573	-57	-0.1%	222,240,000	13,182,300	6.3%
1995	44,698	3125	7.5%	231,968,566	9,728,566	4.4%
1996	48,082	3384	7.6%	247,386,800	15,418,243	6.7%
1997	49,739	1657	0.4%	256,050,344	8,663,544	3.5%
1998	51,393	1654	0.3%	268,990,365	12,940,021	5.0%
1999	56,537	5144	10.1%	281,029,356	12,038,991	4.0%
2000	54,105	-2432	-4.0%	289,641,120	8,611,764	3.0%
2001	61,409	7304	13.5%	278,399,729	-11,241,391	-3.9%
2002	61,042	-367	-0.6%	288,535,388	10,135,659	3.6%
2003	53,333	-7709	-12.6%	272,635,528	-15,899,860	-5.5%
2004	53,901	568	.1%	284,364,255	11,728,727	4.3%
2005	63,058	9157	17%	305,692,149	21,327,894	7.5%
2006	67,575	4517	6.3%	308,443,771	2,751,622	1%
2007	67,394	-181	-0.27%	316,775,891	8,332,120	2.7%
2008	61,272	-6122	-9.8	306,477,745	-10,298,146	-3.3%
2009	58,950	-2322	-3.7%	283,412,114	-23,065,631	-8.1%
2010	62,454	3504	5.6%	297,254,777	13,842,663	4.6%

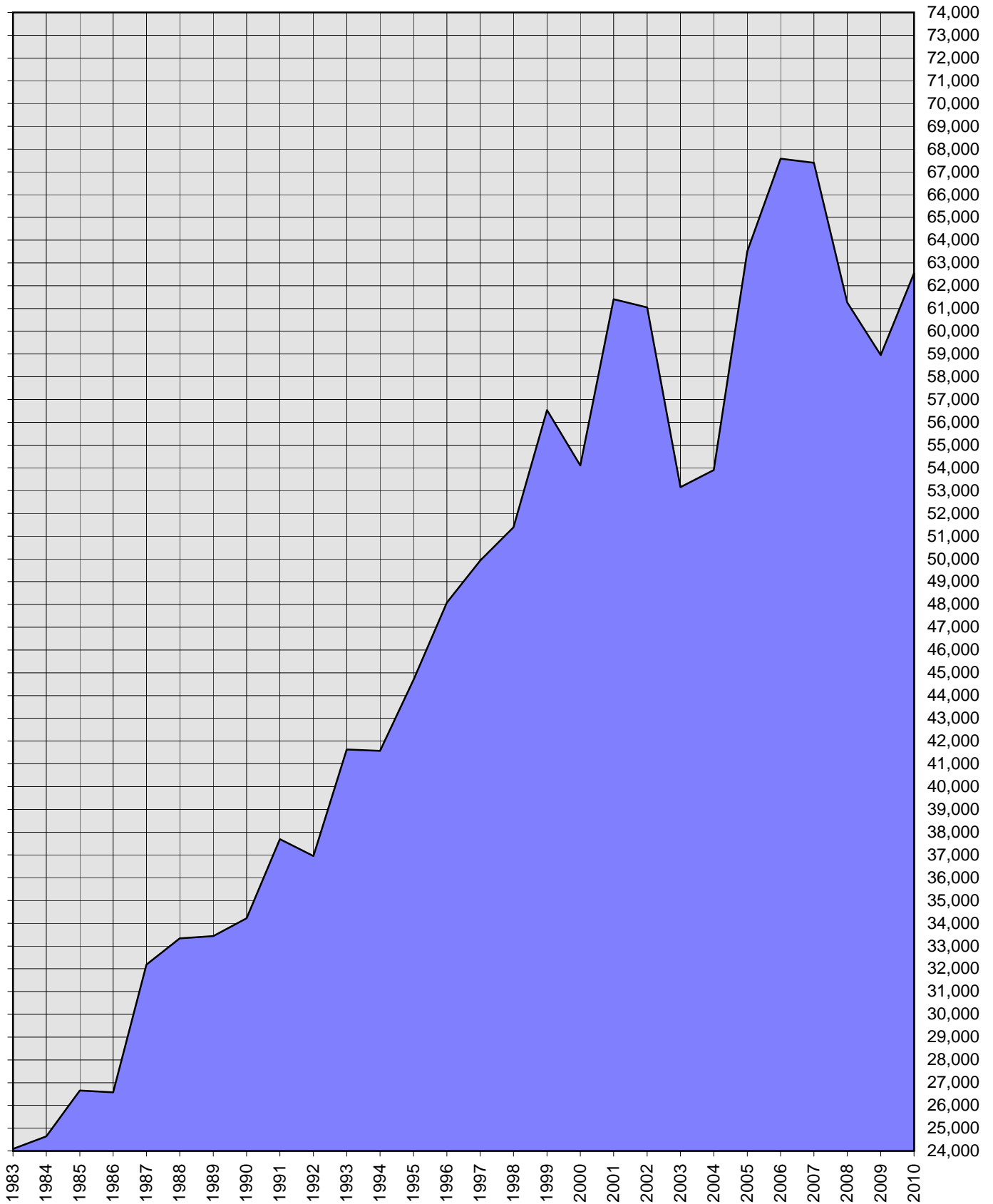
CITY OF WADSWORTH

ANNUAL POWER PURCHASE  
(KILOWATTHOURS)



**CITY OF WADSWORTH**

**ANNUAL PEAK LOAD  
( KILOWATTS )**



# CITY OF WADSWORTH

## AMP-OHIO BILLING - 2010

<u>Month</u>	<u>Kilowatt Hrs.</u>	<u>Billing KW*</u>	<u>Net Cost</u>	<u>Unit Cost</u>
January	25,990,673	44,440	\$1,817,670.62	0.0699355
February	23,589,696	41,945	\$1,660,164.05	0.0703767
March	24,060,682	40,191	\$1,703,961.49	0.0708193
April	21,580,931	38,243	\$1,586,618.50	0.0735195
May	23,669,297	53,380	\$1,673,663.67	0.0707103
June	26,088,113	58,725	\$1,783,587.08	0.0683678
July	29,615,962	62,454	\$2,042,236.75	0.0689573
August	29,295,839	60,710	\$2,099,361.11	0.0716607
September	23,125,677	59,786	\$1,661,038.88	0.0718266
October	22,008,208	38,925	\$1,598,811.01	0.0726461
November	22,373,864	41,205	\$1,551,777.24	0.0693567
December	25,855,835	47,897	\$1,680,718.36	0.0650034
Total	297,254,777	Ave. 48,992	Total \$20,859,608.76	Ave. 0.070264992

## AMP-OHIO BILLING - 2009

<u>Month</u>	<u>Kilowatt Hrs.</u>	<u>Billing KW*</u>	<u>Net Cost</u>	<u>Unit Cost</u>
January	26,518,905	45,602	\$1,702,811.77	0.064211
February	22,835,830	43,369	\$1,421,960.05	0.062269
March	23,515,400	42,713	\$1,604,978.59	0.068252
April	21,580,488	41,441	\$1,548,919.83	0.071774
May	21,394,266	42,583	\$1,538,518.45	0.071913
June	23,478,523	56,443	\$1,793,576.84	0.076392
July	23,971,397	49,134	\$1,890,508.63	0.078865
August	26,747,593	58,950	\$1,949,112.63	0.072871
September	22,813,507	43,178	\$1,690,787.93	0.074113
October	22,820,291	38,337	\$1,667,281.19	0.073061
November	22,308,581	42,654	\$1,554,003.52	0.069659
December	25,430,333	47,982	\$1,816,072.82	0.071414
Total	283,415,114	Ave. 46,032	Total \$ 20,178,532.25	Ave. 0.071232833

\*Billing KW (demand) is measured when 21 (N.E.A.S.G.) systems peak coincidentally as one system.

(N.E.A.S.G.) Northeast Area Service Group of Amp-Ohio

**CITY OF WADSWORTH**  
**MONTHLY MAXIMUM DEMANDS 2010-2009**

**2010**

<b>Month</b>	<b>Peak Demand</b>	<b>Date</b>	<b>Time</b>
January	44,074	1/11/2010	7:00 P.M.
February	43,135	2/10/2010	7:00 P.M.
March	40,900	3/2/2010	8:00 P.M.
April	38,243	4/7/2010	1:00 P.M.
May	51,674	5/27/2010	4:00 P.M.
June	58,725	6/23/2010	2:00 P.M.
*July	62,454	7/18/2010	4:00 P.M.
August	60,710	8/31/2010	4:00 P.M.
September	59,786	9/12/2010	3:00 P.M.
October	38,925	10/1/2010	1:00 P.M.
November	41,205	11/29/2010	7:00 P.M.
December	47,897	12/13/2010	8:00 P.M.
Yearly Average	48,977		

**2009**

<b>Month</b>	<b>Peak Demand</b>	<b>Date</b>	<b>Time</b>
January	45,602	1/5/2009	7:00 P.M.
February	44,417	2/5/2009	11:00 A.M.
March	42,713	3/2/2009	10:00 P.M.
April	41,644	4/27/2009	2:00 P.M.
May	42,593	5/28/2009	1:00 P.M.
June	57,133	6/28/2009	1:00 P.M.
July	50,128	7/28/2009	4:00 P.M.
*August	59,382	8/17/2009	3:00 P.M.
September	44,407	9/15/2009	3:00 P.M.
October	39,283	10/15/2009	11:00 A.M.
November	42,654	11/30/2009	7:00 P.M.
December	47,982	12/10/2009	7:00 P.M.
Yearly Average	46,495		

\*Denotes annual peak



**CITY OF WADSWORTH  
COST AVOIDANCE 2010**

**N.E.A.S.G. COINCIDENT PEAK VS WADSWORTH SYSTEM PEAK**

<b>USAGE MONTH</b>	<b>SYSTEM PEAK KW</b>	<b>BILLING PEAK KW**</b>	<b>DIFFERENCE KW</b>	<b>REGULATION RATE \$/KW</b>	<b>COST AVOIDANCE \$</b>
Jan-10	44,440	44,440	0	\$ 5.07	\$0.00
Feb '10	43,135	41,945	1,190	\$ 5.80	\$6,906.50
Mar '10	40,900	40,191	709	\$ 6.11	\$4,334.42
Apr '10	37,806	37,806	0	\$ 8.44	\$0.00
May-10	51,674	51,674	0	\$ 7.35	\$0.00
Jun-10	55,789	55,789	0	\$ 6.04	\$0.00
Jul '10	62,454	62,454	0	\$ 3.37	\$0.00
Aug '10	60,710	60,710	0	\$ 5.25	\$0.00
Sept '10	59,786	59,786	0	\$ 5.84	\$0.00
Oct '10	38,925	38,925	0	\$ 10.66	\$0.00
Nov '10	41,205	41,205	0	\$ 9.08	\$0.00
Dec-10	47,897	47,897	0	\$ 7.17	\$0.00
Ave.	48,727	Ave. 48,569	Ave. 158	Ave. \$ 6.68	2857

**Total Cost Avoidance 2010**

**\$11,240.92**

**PAST YEARS STATISTICS**

	<b><u>AVERAGE KW SYSTEM PEAK</u></b>	<b><u>AVERAGE KW COINCIDENT PEAK</u></b>	<b><u>AVERAGE KW DIFFERENCE</u></b>	<b><u>AVERAGE \$/KW REGULATION RATE</u></b>	<b><u>ANNUAL SAVINGS</u></b>
2010	48,727	48,569	158	\$ 6.68	\$11,240.92
2009	46,331	46,032	299	\$ 5.79	\$23,199.51
2008	47,905	53,375	368	\$ 6.82	\$7,076.01
2007	53,742	49,219	864	\$ 9.37	\$29,769.53
2006	50,084	48,991	336	\$ 8.72	\$88,259.32
2005	48,307	44,654	721	\$ 7.69	\$26,129.35
2004	45,374	43,333	391	\$ 8.89	\$64,777.97
2003	43,723	44,939	4820	\$ 9.44	\$54,468.92
2002	49,759	43,180	4365	\$ 13.24	\$541,057.83
2001	47,545	41,681	5534	\$ 11.13	\$715,227.00
2000	47,214	40,104	5,273	\$ 8.47	\$777,900.81
1999	45,771	39,824	4,415	\$ 7.83	\$584,844.20
1998	44,179	36,380	6,029	\$ 8.29	\$524,059.05
1997	42,409	35,315	5,607	\$ 8.44	\$623,720.78
1996	40,921	34,123	3,409	\$ 8.78	\$580,798.47
1995	37,532	31,484	4,395	\$ 9.21	\$377,640.40
1994	35,879	29,601	4,546	\$ 8.08	\$495,025.77
1993	34,147	27,880	3,038	\$ 8.90	\$445,113.88

**Total Cost Avoidance 1993 thru 2010**

**\$ 5,970,309.72**

\*Coincident KW (demand) is measured when 21 (N.E.A.S.G.) systems peak coincidentally as one system.

\*\*Billing KW (demand) is measured when 21 (N.E.A.S.G.) systems peak coincidentally as one system.

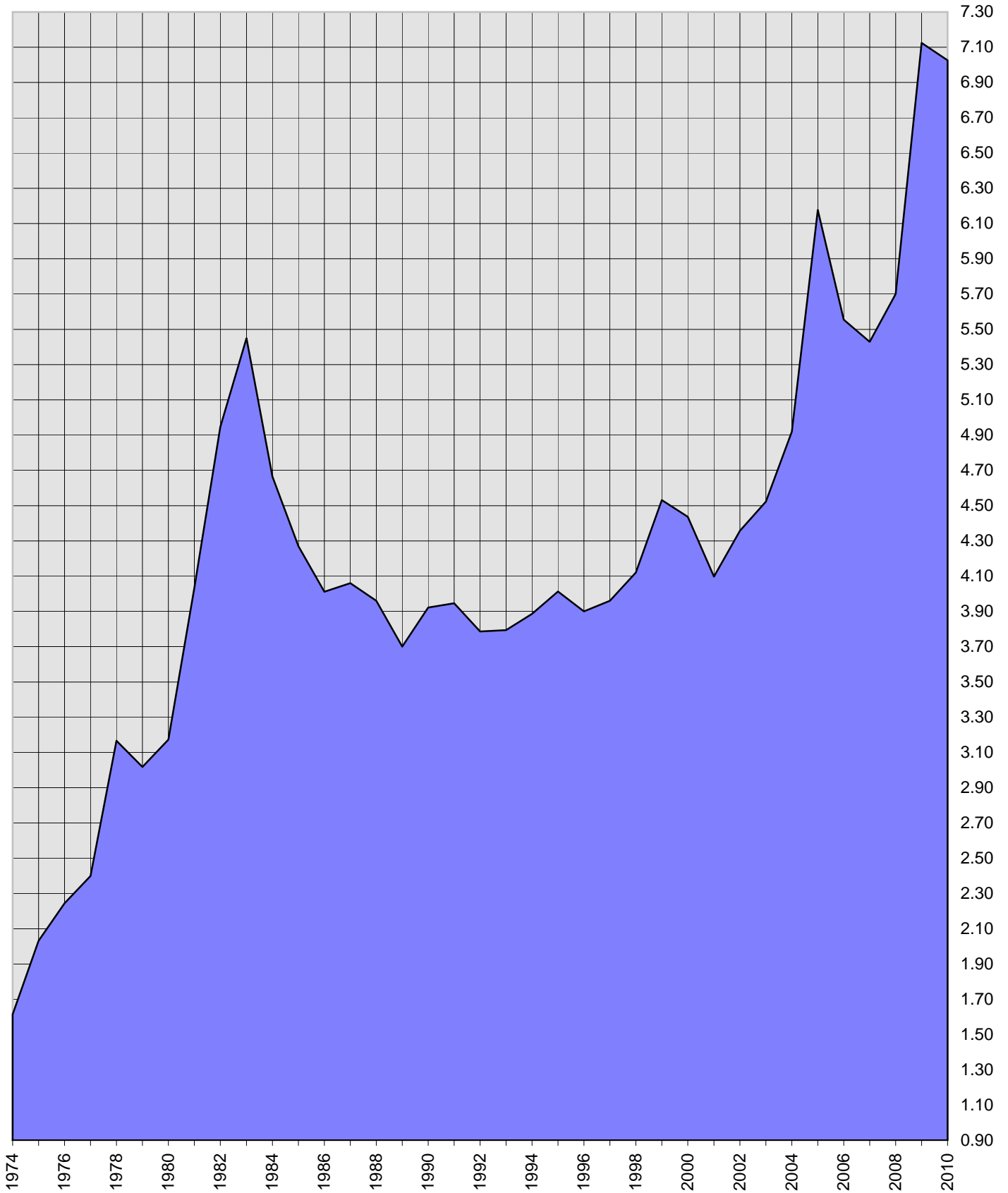
(N.E.A.S.G.) Northeast Area Service Group of Amp-Ohio

CITY OF WADSWORTH

ANNUAL AVERAGE WHOLESALE KWH COST--1957 TO 2010  
(CENTS)

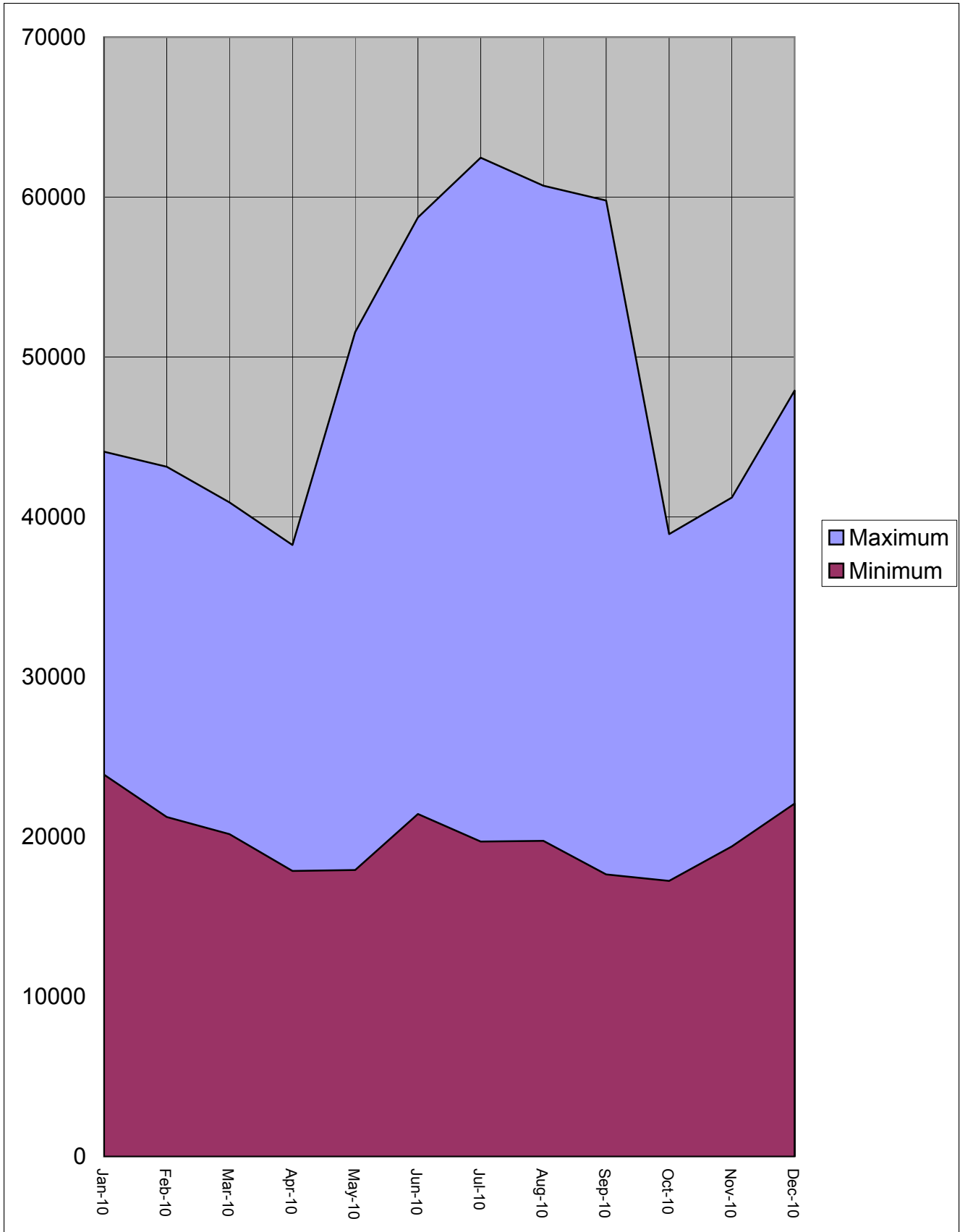
1957	-----	1.116
1958	-----	1.114
1959	-----	1.070
1960	-----	1.053
1961	-----	1.044
1962	-----	1.027
1963	-----	1.030
1964	-----	1.019
1965	-----	.996
1966	-----	.920
1967	-----	.909
1968	-----	.899
1969	-----	.901
1970	-----	.893
1971	-----	.890
1972	-----	.969
1973	-----	1.209
1974	-----	1.615
1975	-----	2.032
1976	-----	2.244
1977	-----	2.399
1978	-----	3.167
1979	-----	3.018
1980	-----	3.173
1981	-----	4.034
1982	-----	4.946
1983	-----	5.450
1984	-----	4.665
1985	-----	4.270
1986	-----	4.012
1987	-----	4.060
1988	-----	3.960
1989	-----	3.700
1990	-----	3.922
1991	-----	3.946
1992	-----	3.786
1993	-----	3.794
1994	-----	3.886
1995	-----	4.013
1996	-----	3.902
1997	-----	3.960
1998	-----	4.134
1999	-----	4.532
2000	-----	4.438
2001	-----	4.097
2002	-----	4.358
2003	-----	4.523
2004	-----	4.930
2005	-----	6.177
2006	-----	5.555
2007	-----	5.429
2008	-----	5.700
2009	-----	7.124
2010	-----	7.020

**CITY OF WADSWORTH**  
**ANNUAL AVERAGE WHOLESALE KWH COST**  
**(CENTS)**



CITY OF WADSWORTH

MONTHLY KWH MINIMUM AND MAXIMUM USE 2010



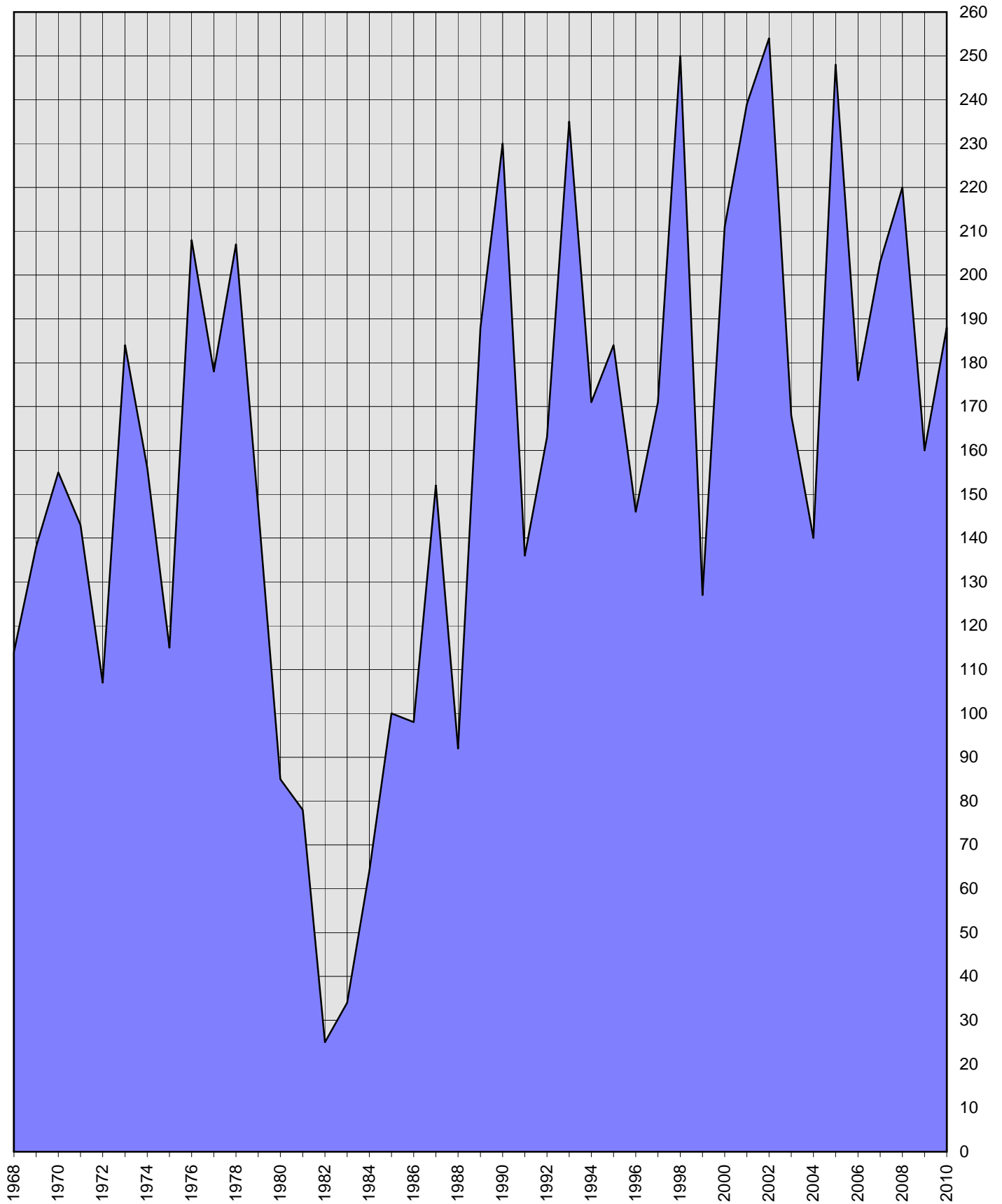
# CITY OF WADSWORTH

## ANNUAL INCREASE IN TOTAL ELECTRIC METERS

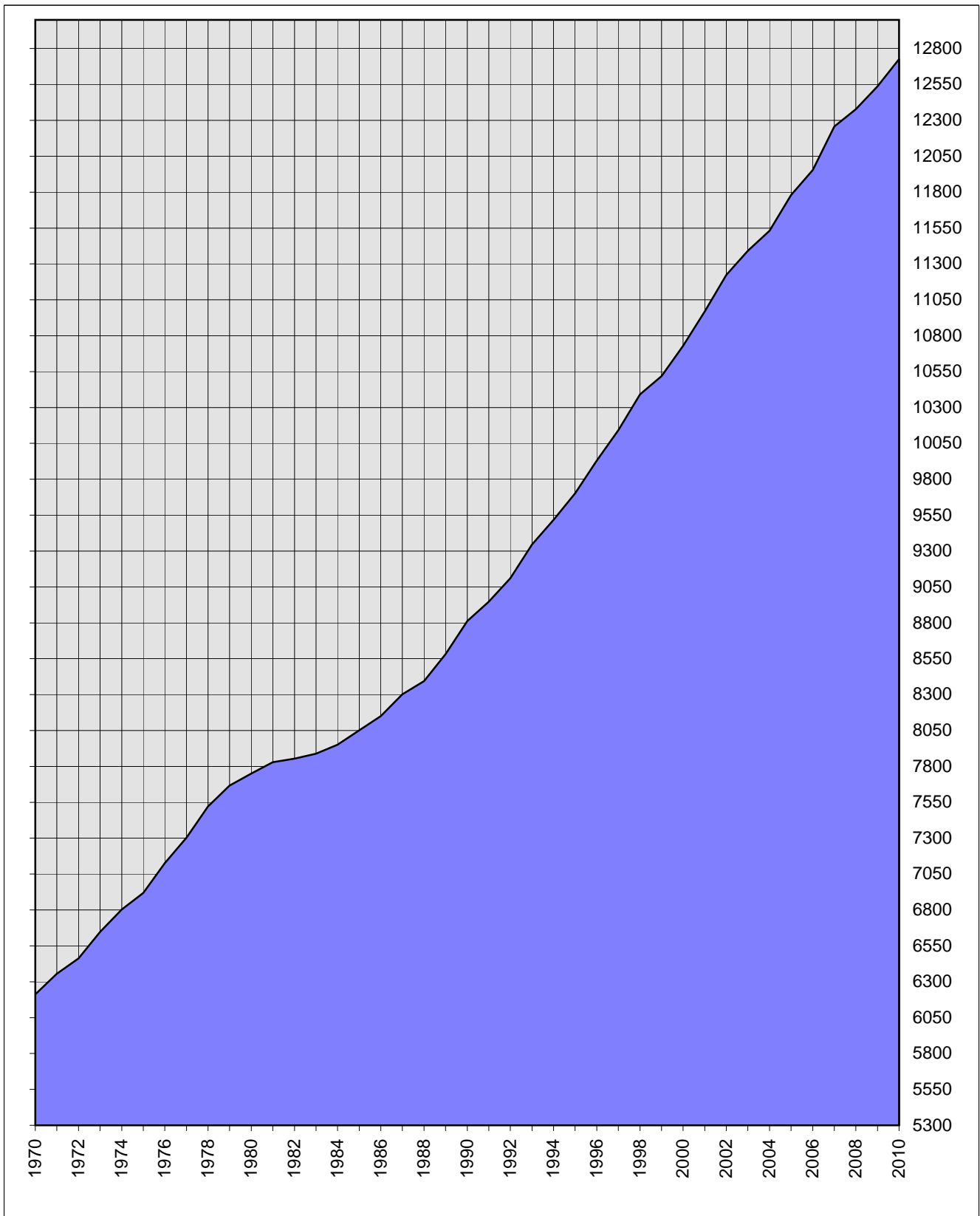
1957	-----	4736	-----	+ 147
1958	-----	4883	-----	+ 171
1959	-----	5054	-----	+ 161
1960	-----	5215	-----	+ 107
1961	-----	5322	-----	+ 102
1962	-----	5424	-----	+ 63
1963	-----	5487	-----	+ 51
1964	-----	5538	-----	+ 28
1965	-----	5566	-----	+ 70
1966	-----	5636	-----	+ 94
1967	-----	5730	-----	+ 84
1968	-----	5814	-----	+ 114
1969	-----	5928	-----	+ 138
1970	-----	6058	-----	+ 155
1971	-----	6213	-----	+ 143
1972	-----	6356	-----	+ 107
1973	-----	6463	-----	+ 184
1974	-----	6647	-----	+ 156
1975	-----	6803	-----	+ 115
1976	-----	6918	-----	+ 208
1977	-----	7126	-----	+ 178
1978	-----	7304	-----	+ 207
1979	-----	7521	-----	+ 147
1980	-----	7666	-----	+ 85
1981	-----	7751	-----	+ 78
1982	-----	7829	-----	+ 25
1983	-----	7854	-----	+ 34
1984	-----	7888	-----	+ 64
1985	-----	7952	-----	+ 100
1986	-----	8052	-----	+ 98
1987	-----	8150	-----	+ 152
1988	-----	8302	-----	+ 92
1989	-----	8394	-----	+ 188
1990	-----	8582	-----	+ 230
1991	-----	8812	-----	+ 136
1992	-----	8948	-----	+ 163
1993	-----	9111	-----	+ 235
1994	-----	9346	-----	+ 171
1995	-----	9517	-----	+ 184
1996	-----	9701	-----	+ 229
1997	-----	9930	-----	+ 212
1998	-----	10,142	-----	+ 250
1999	-----	10,392	-----	+ 127
2000	-----	10,519	-----	+ 211
2001	-----	10,730	-----	+ 239
2002	-----	10,969	-----	+ 254
2003	-----	11,223	-----	+ 168
2004	-----	11,391	-----	+ 140
2005	-----	11,531	-----	+ 243
2006	-----	11,779	-----	+ 176
2007	-----	11,955	-----	+ 203
2008	-----	12,158	-----	+ 220
2009	-----	12,378	-----	+ 160
2010	-----	12,538	-----	+ 188
2011	-----	12,726		

# CITY OF WADSWORTH

## ANNUAL INCREASE IN TOTAL ELECTRIC METERS



CITY OF WADSWORTH  
ANNUAL INCREASE IN TOTAL ELECTRIC METERS



# CITY OF WADSWORTH FREE SERVICE

## HIGHWAY LIGHTING

15	400 Watt Metal Halide	30,240 KWH	
19	400 Watt Mercury (post mt.)	33,288 KWH	
857	100 Watt High Pressure Sodium (wood pole mt.)	374,509 KWH	
1088	100 Watt High Pressure Sodium (post mt.)	469,832 KWH	
103	150 Watt High Pressure Sodium	67,671 KWH	
232	250 Watt High Pressure Sodium	254,040 KWH	
<u>148</u>	400 Watt high Pressure Sodium	259,296 KWH	
2462			
	Sub Total	1,488,876 KWH	
	Add 6.50 Line Loss	<u>92,310</u> KWH	
	<b>TOTAL HIGHWAY LIGHTING</b>	<b>1,581,186 KWH</b>	<b>1,581,186 KWH</b>

## TRAFFIC CONTROL LIGHTING

35	Intersections and 14 Flashing Signs	21,228 KWH	
5	Metered Traffic Signals	12,798	
	Add 6.50 Line Loss	<u>1,316</u> KWH	
	<b>TOTAL TRAFFIC CONTROL LIGHTING</b>	<b>35,342 KWH</b>	<b>35,342 KWH</b>

## COMMUNITY LIGHTING

86	Lights in Municipal Parking Lots	214,054 KWH	
	Christmas Lighting	1,000 KWH	
	Flag Pole and Gazebo Lighting	<u>15,330</u> KWH	
	Sub total	230,384 KWH	
	Add 6.50 Line Loss	<u>14,284</u> KWH	
	<b>TOTAL COMMUNITY LIGHTING</b>	<b>244,668 KWH</b>	<b>244,668 KWH</b>

## CITY HALL

899,200 KWH

## RECREATION DEPARTMENT

2010

Weatherstone Ballfield	23,040 KWH	
Steiner Youth Center	335,400 KWH	
Steiner Ball Fields	8,874 KWH	
Bird St Football Foeld	5,472 KWH	
Memorial Park Ball Fields	0 KWH	
Memorial Volley Ball Court	210 KWH	
A.C. Ballfield Scoreboard	2 KWH	
Center for Senior Adults	65,160 KWH	
Steiner Tennis Courts	1,817 KWH	
Durling Park Tennis Courts	5,358 KWH	
Durling Park Basketball Court	0 KWH	
Memorial Park Tennis Courts	1 KWH	
Steiner Parking Lot	52,560 KWH	
Plum Creek Park Multiuse Building	24,016 KWH	
TOTAL RECREATION	521,910 KWH	521.910 KWH

WATER TREATMENT PLANT & WATER WELLS #3, #4	1,077,840 KWH
WATER DEPT. - OFFICE & WAREHOUSE	29,300 KWH
TRANSFER STATION	129,516 KWH
ELECTRIC SERVICE BUILDING	180,240 KWH
ELECTRIC GARAGE	32,420 KWH
COMMUNICATIONS DEPT.	325,934 KWH
COMMUNICATIONS GARAGE	27,206 KWH
COMMUNICATIONS BLDG. @VALLEY VIEW SUB	67,259 KWH
COMMUNICATIONS DISTRIBUTION POWER SUPPLIES (54)	405,178 KWH
POLICE RADIO REPEATER @AKRON RD. & SUMMIT ST.	3,134 KWH



**CITY OF WADSWORTH FREE SERVICE**

DOG POUND		10,112 KWH	
STREET DEPT.-POWER HOUSE & GARAGES		247,715 KWH	
NEW SALT SHED		0 KWH	
HISTORICAL MUSEUM/JOHNSON HOUSE		1,364 KWH	
POLICE FIRING RANGE		12 KWH	
PARKS DEPT.-POWER HOUSE		100,408 KWH	
WADSWORTH MUNICIPAL GARAGE		52,230 KWH	
WOODLAWN CEMETERY		35,527 KWH	
	TOTAL OTHER	2,725,395 KWH	
WATER PUMPING			
Water Well #2	132,568 KWH		
Water Well #7	71,675 KWH		
Water Well #9	215,725 KWH		
Water Well #10	38,980 KWH		
Water Well #11	119,639 KWH		
Water Well #12	132,359 KWH		
Water Well #13	183,812 KWH		
Water Well #14	141,423 KWH		
Water Well #15	198,145 KWH		
Water Well #16	14,476 KWH		
Low Head Dam	0 KWH		
Water Tower Oak	181 KWH		
Water Tower Ridge Rd.	2,111 KWH		
Water Tower Broad St.	114 KWH		
Water Tower Akron Rd.	1,888 KWH		
Water Tower Bird St.	2,427 KWH		
	TOTAL	1,255,523 KWH	1,255,523 KWH
SUB STATIONS			
Broad Street	42,073 KWH		
State Street	1,579 KWH		
Seville Rd.	22,358 KWH		
Akron Rd.	2,964 KWH		
Holmesbrook	46,794 KWH		
Delivery Point	93,447 KWH		
Industrial Park	54,578 KWH		
	TOTAL	263,793 KWH	263,793 KWH
FIRE DEPARTMENT			194,775 KWH
Early Warning Sirens			11,400 KWH
PARKS DEPARTMENT	2010		
Bird St. Park-Shelter Houses	6,186 KWH		
Bird St. Park- Restrooms (old & new)	2,240 KWH		
Durling Park - Shelter House	537 KWH		
Durling Park - Restrooms	113 KWH		
Valley View Park - Restrooms	6,004 KWH		
Valley View Park - Shelter House	926 KWH		
Memorial - Shelter House (large)	2,607 KWH		
Memorial - Shelter House (small)	1,478 KWH		
Memorial - Restrooms and Pond Aerator	4,592 KWH		
Kaleidoscope - Restrooms	992 KWH		
Weatherstone Restrooms	3,151 KWH		
	TOTAL	28,826 KWH	28,826 KWH

**CITY OF WADSWORTH FREE SERVICE**

**WADSWORTH MUNICIPAL AIRPORT**

Runway Lighting	2,240 KWH	
Buildings and Gas Pumps	27,793 KWH	
<b>TOTAL</b>	<b>30,033 KWH</b>	<b>30,033 KWH</b>

WASTEWATER TREATMENT PLANT TOTAL 2,379,720 KWH 1,032,234 KWH\*

**SEWAGE PUMP STATION**

Brookwood Pump Station	53,693 KWH	
Great Oaks Pump Station	8,138 KWH	
Williams Reserve Pump Station	9,202 KWH	
W. Bergey Pump Station	5,100 KWH	
Weber Dr. Pump Station	<u>19,557 KWH</u>	
<b>TOTAL</b>	<b>95,690 KWH*</b>	<b>95,690 KWH*</b>

\*A portion of Wastewater Pumping and Wastewater Treatment were paid for.  
The remaining usage was free service.

**TOTAL FREE SERVICE 8,919,975 KWH**

**LIGHTING MAINTENANCE**

**LABOR**

Lamp & Fixture Maintenance	651.50 Hrs.	\$ 32,444.70
Work on Circuits	<u>25.00 "</u>	<u>\$ 1,245.00</u>
Total St. Light Maintenance	676.50 Hrs.	\$ 33,689.70

**STREET LIGHT INSTALLATION**

**LABOR**

New Circuits	72.00 Hrs.	\$ 3,585.60
Installing Fixtures	57.50 "	\$ 2,863.50
Posts & Foundations	<u>27.00 "</u>	<u>\$ 1,344.60</u>
Total New St. Light Installation	156.50 Hrs.	\$ 7,793.70

**TRAFFIC SIGNAL INSTALLATION & MAINTENANCE**

**LABOR**

Controls	75.00 Hrs.	\$ 2,250.00
General Maintenance	100.00 "	\$ 3,000.00
Misc.	<u>100.00 "</u>	<u>\$ 3,000.00</u>
Total Traffic Signal Maintenance	275.00 Hrs.	\$ 8,250.00

**TOTAL ALL LIGHTING SERVICE**

**1108.00 Hrs. \$ 49,733.40**

Community Projects	235.00 Hrs.	\$ 11,602.00
Other Depts.	420.50 "	\$ 20,520.90
Building Maintenance	1085.50 "	\$ 53,917.90
	1741.00 Hrs.	\$ 86,040.80

**TOTAL ALL FREE SERVICE**

**(LABOR)**

**2849.00 Hrs. \$ 135,774.20**

**STREET LIGHT LAMPS REPLACED - 2008**

NO. USE	LAMP	UNIT PRICE	TOTAL
314	100 Ignitron	\$ 38.00	\$ 11,932.00
2	150 Ignitron	\$ 38.00	\$ 76.00
35	250 Ignitron	\$ 41.45	\$ 1,450.75
53	400 Ignitron	\$ 40.15	\$ 2,127.95
3	175 W. Metal Halide	\$ 6.37	\$ 19.11
3	1500 W. Quartz	\$ 7.30	\$ 21.90
5	400 W. Metal Halide	\$ 12.58	\$ 62.90
<u>1</u>	<u>400 W. Hps</u>	<u>\$ 12.22</u>	<u>\$ 12.22</u>
<b>416</b>			<b>\$ 15,702.83</b>

**CITY OF WADSWORTH****FREE SERVICE****Summary**

Cost of energy for City @ .078 per KWH (flat rate)

Highway Lighting	\$	123,332.51
Traffic Control Lighting	\$	2,756.69
Community Lighting	\$	19,084.09
City Hall (New)	\$	70,137.60
Recreation Department	\$	40,708.98
Water Treatment Plant & Water Wells #3 & #4	\$	84,071.52
Water Dept. - Office & Warehouse	\$	2,285.40
Transfer Station	\$	10,102.25
Electric Service Building	\$	14,058.72
Electric Garage	\$	2,528.76
Communications Dept.	\$	25,422.85
Communications Garage	\$	2,122.07
Communications Bldg. @ Valley View Sub	\$	5,246.20
Communications Power Supply (54)	\$	31,603.88
Police Firing Range	\$	0.94
Police Radio Repeater @ Akron Rd. & Summit St.	\$	244.45
Dog Pound	\$	788.74
Street Dept. - Power House & Garages	\$	19,321.77
New Salt Shed	\$	-
Historical Museum/Johnson House	\$	106.39
Parks Dept. - Power House	\$	7,831.82
Wadsworth Municipal Garage	\$	4,073.94
Woodlawn Cemetery	\$	2,771.11
Water Pumping	\$	97,930.79
Substations	\$	20,575.85
Fire Department	\$	15,192.45
Early Warning Sirens	\$	889.20
Parks Department	\$	2,248.43
Wadsworth Municipal Airport	\$	2,342.57
Wastewater Treatment Plant (free service)	\$	80,514.29
Sewage Pump Station	\$	7,463.82
Total cost of free service-energy	\$	695,758.08

Total cost of free service-labor	\$	135,774.20	\$135,774.20
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Cost of Lamps &amp; Fixtures Replaced

416 Street Lamps Replaced	\$	15,702.83	
Vandalism to street lights, globes, lense, etc.	\$	152.00	
	\$	15,854.83	\$ 15,854.83

<b>Total Labor &amp; Energy</b>	<b>\$</b>	<b>847,387.11</b>
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## CITY OF WADSWORTH

### ELECTRIC DEPARTMENT PERFORMANCE RELIABILITY INDEXES - 2010

Customer Average Interruption Duration Index (CAIDI) – Represents the average time to restore service per interrupted customer (minutes/interruption)

$$\text{CAIDI} = \text{Sum of customer interruption durations} = 71.01 \text{ Min.}$$

System Average Interruption Duration Index (SAIDI) – Represents the average time each customer is interrupted (minutes/year)

$$\text{SAIDI} = \text{Sum of customer interruption durations} = 18.31 \text{ Min.}$$

System Average Interruption Frequency Index (SAIFI) - Represents the average number of interruptions per customer. (interruptions/year)

$$\text{SAIFI} = \text{Sum of Customer Interruptions} = .285$$

Momentary Average Interruption Frequency Index (MAIFI) – Represents the average number of momentary (two minutes or less) interruptions per customer.

$$\text{MAIFI} = \text{Sum of Momentary Customer Interruptions} = 2.885$$

Average System Availability Index (ASAI) – Represents ratio of time the system provided service to each customer.

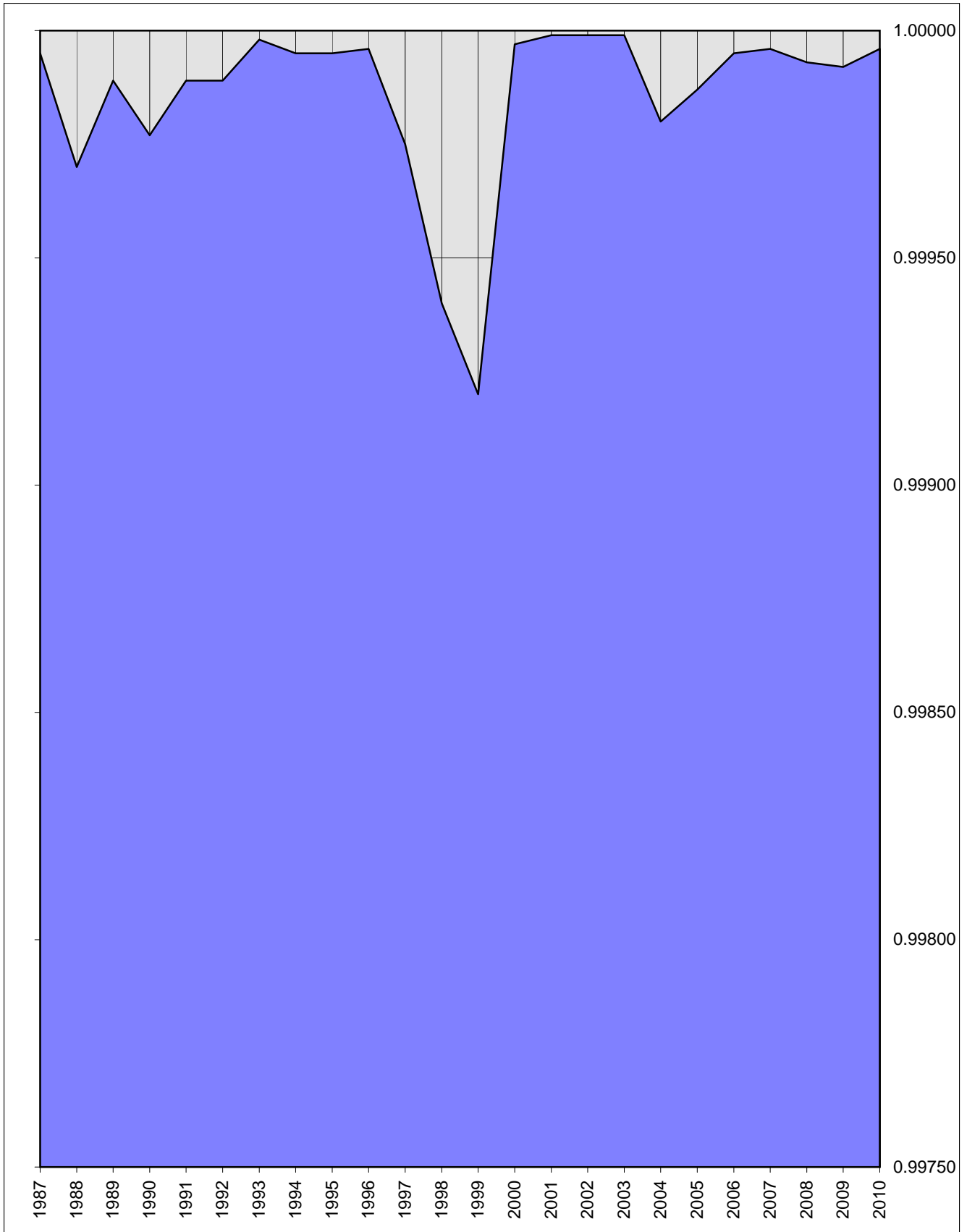
$$\text{ASAI} = \frac{\text{Total hours service was available}}{\text{Total hours service was demanded}}$$

#### Past Years ASAI Ratio

2010	-	.99996
2009	-	.99992
2008	-	.99993
2007	-	.99996
2006	-	.99995
2005	-	.99987
2004	-	.99998
2003	-	.99994
2002	-	.99999
2001	-	.99999
2000	-	.99997
1999	-	.9992
1998	-	.99940
1997	-	.99975
1996	-	.99996
1995	-	.99995
1994	-	.99995
1993	-	.99998
1992	-	.99989
1991	-	.99989
1990	-	.99977

CITY OF WADSWORTH

AVERAGE SYSTEM AVAILABILITY INDEX (ASAI)



**CITY OF WADSWORTH**  
**EMERGENCY CALLS AFTER REGULAR HOURS**

<b>NO. OF REQUESTS</b>	<b>TROUBLE</b>	<b>ACTUAL TIME (HRS.)</b>	<b>COST</b>
12	Animal Related	3.53	\$2,550.22
9	Customer Problems	8.77	\$1,788.36
3	Fires	2.55	\$648.14
8	Line Fuses & Cutouts	8.98	\$1,768.97
2	Meters	1.65	\$377.93
3	Planned Callout	2.63	\$758.52
2	Primary & Secondary		\$475.46
5	Service Wires & Neutrals	1.08	\$1,100.66
5	Transformers	11.23	\$1,266.93
10	Tree Limbs	3.80	\$2,728.75
5	Vehicle Accident	8.25	\$1,746.85
6	Weather Related	25.77	\$2,295.80
<b>TOTALS</b>	<b>70</b>	<b>78.25</b>	<b>\$17,506.59</b>

**Annual yearly standby cost 365 Days      \$39,836.80**

**Total standby cost and callout cost      \$57,343.39**

**It took approximately 16 minutes to report to work after being notified by operator**

**Average cost of callout    \$250.09**

**Total number of callouts in 2009: 61**

**Total number of callouts for 2010: 70**

**CITY OF WADSWORTH**  
**SERVICE INFORMATION – 2010**

Total electric meters	-----	12,726
Total single phase meters	-----	12,167
Total three phase meters	-----	559
Total new meters installed	-----	213
New single phase meters installed	-----	208
Single phase meters removed	-----	20
New single phase meters in field (net increase)	-----	188
New three phase meters installed	-----	5
Three phase meters removed	-----	5
New three phase meters in field (net increase)	-----	0
Change of service single phase	-----	79
Change of service three phase	-----	10
Change of service total	-----	89
Meters/services repaired	-----	18
Meters tested	-----	112
Inspect and reseals	-----	166
Meters removed/reattached for new siding	-----	21
Meters changed due for test	-----	7
New street light units	-----	10
Street light lamps replaced	-----	451
Street lights in operation in the city	-----	2462
Trouble calls after regular work hours	-----	70
Customer troubles or planned callout	-----	9
Transformers added to lines	-----	8
Transformers removed	-----	6
Transformers in service	-----	2,800
Voltage recordings due to customer complaints	-----	0
Poles changed or added to lines	-----	114
Overhead conductor replaced or added	-----	903
Underground cable replaced or added	-----	2,340
Total power purchased (KWH)	-----	297,254,777
Average cost per KWH at primary meter, Broad St. & Durling Dr.	-----	.0650
Most KWH used in July	-----	29,615,962
Least KWH used in month of April	-----	21,580,931
Security lights Installed	-----	2
Security lights in service	-----	920
Current Transformer Services (CT) in Field 1Ø	-----	31
Current Transformer Services (CT) in Field 3Ø	-----	220
Total Current Transformer Services (CT) in Field	-----	251
1Ø CT's Tested	-----	0
3Ø CT's Tested	-----	24
1Ø CT's Replaced – out of tolerance.	-----	0
3Ø CT's Replaced – out of tolerance.	-----	1

**CITY OF WADSWORTH**  
**METER TAMPERING / ENERGY THEFT REPORT**  
**2010**

PROGRAM COSTS	Photographic Equipment	\$ 0.00
	Tools and Miscellaneous	0.00
	* Photographic Film	0.00
	* Film Processing	0.00
	<u>TOTAL</u>	<u>\$ 0.00</u>

DOLLARS RECOVERED	Restitution for Energy Theft	\$ 0.00
	<u>Material, Labor and Miscellaneous</u>	<u>0.00</u>
	TOTAL	\$ 0.00

Estimated Revenue previously lost to Energy Theft now being recovered :		
Monthly		\$ 0.00
<u>Yearly</u>		<u>0.00</u>
TOTAL 2003		\$ 0.00

**GRAND TOTAL RECOVERED                      \$ 0.00**

PROGRAM BALANCE	Dollars Recovered	\$ 0.00
	<u>- Program Costs</u>	<u>0.00</u>
	<b>PROGRAM BALANCE</b>	<b>\$ 0.00</b>

STATISTICS	Electric Meters in Service	12,726
	Inspection Cards received and investigated	0**
	Meters found not sealed	2
	Cases of Meter Tampering	13
	Incorrect serial numbers in meter reading books	0
	Meters damaged	14
	Meters upside down	0
	Meters with glass cover damaged	0
	Meters replaced and/or tested	37
	Meter enclosures repaired	18

\* In 2000, began using digital camera to document evidence of tampering.

\*\* Inspection cards were eliminated this year. Now receive summary reports from Utility Billing.



# CITY OF WADSWORTH

## METER TAMPERING / ENERGY THEFT REPORT MARCH 1, 1985 THROUGH DECEMBER 31, 2010

PROGRAM COSTS	Photographic Equipment	\$ 445.24
	Tools and Miscellaneous	333.40
	* Photographic Film	468.28
	* Film Processing	332.65
	Overtime Pay ( 36 Saturdays )	8,324.01
	<b>TOTAL</b>	<b>\$ 9,903.58</b>

<b>DOLLARS RECOVERED</b>	Restitution for Energy Theft	\$ 41,010.47
	Material, Labor and Miscellaneous	762.54
	<b>TOTAL</b>	<b>\$ 41,773.01</b>

Estimated Revenue previously lost to Energy Theft now being recovered :	
Monthly	\$ 614.00
Yearly	7,368.00
<b>TOTAL 1985 through 2002</b>	<b>\$123,944.00</b>

**GRAND TOTAL RECOVERED \$165,717.01**

<b>PROGRAM BALANCE</b>	Dollars Recovered	<b>\$165,717.01</b>
	- Program Costs	9,903.58
	<b>PROGRAM BALANCE</b>	<b>\$155,813.43</b>

STATISTICS	Electric Meters in Service	12,726
	Inspection Cards received and investigated	3,655**
	Meters found not sealed	2,757
	Cases of Meter Tampering	87
	Incorrect serial numbers in meter reading books	369
	Meters damaged	146
	Meters upside down	4
	Meters with glass cover damaged	38
	Meters replaced and/or tested	1,125
	Meter enclosures repaired	456

\* In 2000, began using digital camera to document evidence of tampering.

\*\* In 2004, Inspection Cards were replaced by Summary Reports provided by Utility Office

## CITY OF WADSWORTH

### MAJOR CHANGES & ADDITIONS – 2010

<b>Jobs Engineered:</b>	11 New Business Jobs 26 Rebuild Jobs 10 Maintenance Job		
<b>Daily Work Orders:</b>	957		
<b>Engineered Underground:</b>	3376 Greenwich Rd. 1985 Reimer Rd	Residential Residential	
	787 & 809 High St. 675 High St. 625 Broad St..	75 kVA 45 kVA 2500 kVA	3 Phase 3 Phase 3 Phase

#### System Rebuild & Improvements:

1. Installed new 3Ø facility to the new Wadsworth High School
2. Reconductored 1Ø URD on Northpark and Southpark
3. Rebuilt 1Ø Line on Fixler Rd east of State Rd Including all 1Ø OH Buck taps
4. Rebuilt 3Ø OH line on Hartman Rd from Akron Rd to Reimer.
5. Installed 1Ø URD to Metro Housing on Main St.
6. 3Ø line extension of Industry circuit to new circuit tie.
7. Reconductored backyard secondary on Crestwood north of Akron Rd due to wildlife damage.
8. Installed new 1200 kVAR capacitor rack on Red Rock circuit.
9. Installed new 1200 kVAR capacitor rack on Acme circuit.
10. Rebuilt 1Ø OH line in Memorial Park to the pavilion and the Girl Scout house.
11. Replaced pole for traffic signal at Prospect and High.
12. Removed circuit tie for Ridge and Sharon and made new tie for Sharon and State Rd circuits at State Rd and Reimer.
13. Reconductored 3Ø OH on Reimer from State Rd to Hartman Rd.
14. Installed 7 new streetlight s on Hartman Rd from Briarthorn to Akron Rd
15. Installed secondary service to concession stand at Fieldcrest football field.
16. Reconductored 1Ø URD in East Park for “Juice Booth” locations to provide better electric facilities for downtown events.
17. Rebuilt streetlight circuit on Woodland and part of Crestwood north of Akron Rd.
18. Installed poles for water meter data collectors at Ambassador Dr, Friedt Park and Muhl Field water well.
19. Installed new 3Ø OH transformer bank for Ghost Alley.

## **CITY OF WADSWORTH**

### **MAJOR CHANGES & ADDITIONS – 2010**

20. Replaced 1Ø URD feed with 1Ø OH feed for Reimer Rd west of Leatherman and added a 1Ø recloser for the line
21. Replaced 1Ø URD with 1Ø OH at Blake Rd and Rt. 57 for ODOT project.
22. Rebuilt 1Ø OH facility for Westgate, Parkview and Ringer.
23. Replaced 3Ø OH with 3Ø URD service to Dunkin Donuts and Advanced Auto.
24. Removed 3Ø URD facility for Emergency Room addition at Summa Hospital.
25. Rebuilt 3Ø OH facility on Springdale Ave.
26. Installed new 3Ø URD facility to Briarthorn Commercial.
27. Installed new 3Ø URD facility to Dental office on High St.
28. Removed all OH facilities to BP Station.
29. Removed (4) 69 KV GOABS at Broad St Sub.
30. Installed 900 Amp GOAB at Reimer Rd.
31. Installed a laptop in the service truck for work orders and email. Reduced paper usage by over 2900 pieces.

#### **SCADA:**

1. Added data collection points for kVar and kWatt gathering for all circuits in the SCADA system and provided a connection with SCADA excel for storing for future Impact Metrics reporting.

#### **Metering:**

1. Continued system-wide meter testing and retirement program.
2. Continue CT testing program for verification of CT stability and accuracy.
3. Started configuration and testing process for AMI Smart Meter install to begin in 2011.

### **Substation Major Changes & Additions 2010**

#### **Substations**

Delivery Point Substation:	Installed Surge Arresters on 138 kV Line Exits. Rebuilt wave trap on West Akron line. Replaced deteriorated potential junction box on Star Line Upgraded outdoor lighting fixture ballasts and bulbs
Broad St. Substation:	Completed construction of relocated Control Building Installed 69 kV Potential Transformers. Relocated bus connected 69kV Surge Arresters to Sub 5 Line Exit, Installed new Arrestors on Delivery point Exit. Constructed Oil containment wall on South & West Side of Substation with new chain link fence on top, painted other fencing. Constructed 64 ft long x 16 ft high wall on Northeast corner of property.

## **CITY OF WADSWORTH**

### **MAJOR CHANGES & ADDITIONS – 2010**

Seville Rd. Substation	Upgraded outdoor lighting fixture ballasts and bulbs. Completed oil containment structures for Regulators. Installed control cable for 1200kVAR Capacitor Bank Painted fencing
Akron Rd. Substation	Completed oil containment structures for Regulators. Installed new Regulator Bypass Switching structure. Rebuilt 5 Regulators. Painted regulators, fencing building doors etc. Upgraded outdoor lighting fixture ballasts and bulbs. Installed control cable for 1200kVAR Capacitor Bank
Holmesbrook Substation	Upgraded outdoor lighting fixture ballasts and bulbs. Completed cable tray installation in control building.
Industrial Park Substation	Upgraded outdoor lighting fixture ballasts and bulbs.. Completed cable tray installation in control building.

#### **Traffic Signals**

SR 57 & Seville Rd:	Replaced signal heads and converted signal to LEDs. Replaced deteriorated wiring
Prospect and High:	Replaced pole on Northwest corner Installed new signal shields Replaced deteriorated wiring for Pedestrian crossings. Replaced inductive loops
Broad & Durling Square (Downtown):	Completed signal reconstruction working with contractor Relocated arrows to North & South left turn lanes

#### **Building Electrical Maintenance**

City Hall Server Room: Installed new AC power feeder, distribution panel,  
wireways and power outlets for server racks Installed power feeders for server room HVAC

#### **Awards**

The Department received an AMPO Innovation Award at the AMPO fall conference for Back-up AC & DC Mobile Power Unit that we constructed to facilitate Substation and Traffic Signal maintenance.

The Department received an AMPO System Improvement Award at the AMPO fall conference for the Relocation and Reuse of the Valley View Substation 12 kV Switchgear Control Building at Broad St. Substation.

## **CITY OF WADSWORTH**

### **COMMUNITY PROJECTS**

<b><u>January</u></b>	Assisted in removing Christmas decorations and trees.
<b><u>April</u></b>	Sponsored a Mercury Exchange program as part of Earth Day activities
<b><u>May</u></b>	Participated in high school Student Government Day  Installed and removed American and decorative flags in downtown area for Memorial Day and July 4 <sup>th</sup> .
<b><u>June</u></b>	Installed and removed electric facilities for the Blue Tip Festival. Provided aerial lift truck to light the Blue Tip Match  Provided electric service in downtown area for annual Gazebo Concert Series
<b><u>July</u></b>	Provided electric facilities for Downtown Wadsworth 3 on 3 Basketball Tournament
<b><u>August</u></b>	Set goal posts and scoreboard for Wadsworth Youth Football at Fieldcrest  Provided electric facilities for Founders Day Celebration  Provided Line Truck for the "Touch A Truck" event
<b><u>September</u></b>	Provided electrical facilities for 'A Taste of Wadsworth'
<b><u>October</u></b>	Public Power Week – Installed Public Power banners across High St. and Broad St. Gave out CFL light bulbs in an effort to promote conservation.
<b><u>November</u></b>	Assisted in installing Christmas decorations and Christmas trees in town. Installed banners on street light poles downtown, Great Oaks area and the south end.  Lights on Gazebo for Christmas

Worked on various other functions, installing and removing banners and flags and other projects for various organizations. Assisted numerous churches with parking lot lighting problems, flag pole problems and electric service needs for charitable events.

## **Communications Annual Report information**

City networking and computing support continues to expand in providing equipment and services to city employees. Consolidated purchasing and asset management have reduced expenses in equipment, software and licensing. Network enhancements have provided better system security, increased performance, increased storage capacity and backup. Virtual Machine technology continues to be expanded making more effective use of equipment, reducing down time and restoration time and reducing the amount of equipment required.

The city also moved into Google Docs which provided a web interface for document creation collaboration with storage and backup features. Since the browser is the only software needed to engage, the user can create word processed documents as well as spreadsheets, presentations, forms and graphics. Email is included and will continue to be available even if the city systems should become disabled.

The IT staff has supported the meter reading project now under way including hardware specification, networking support and negotiation of networking and database equipment and services.

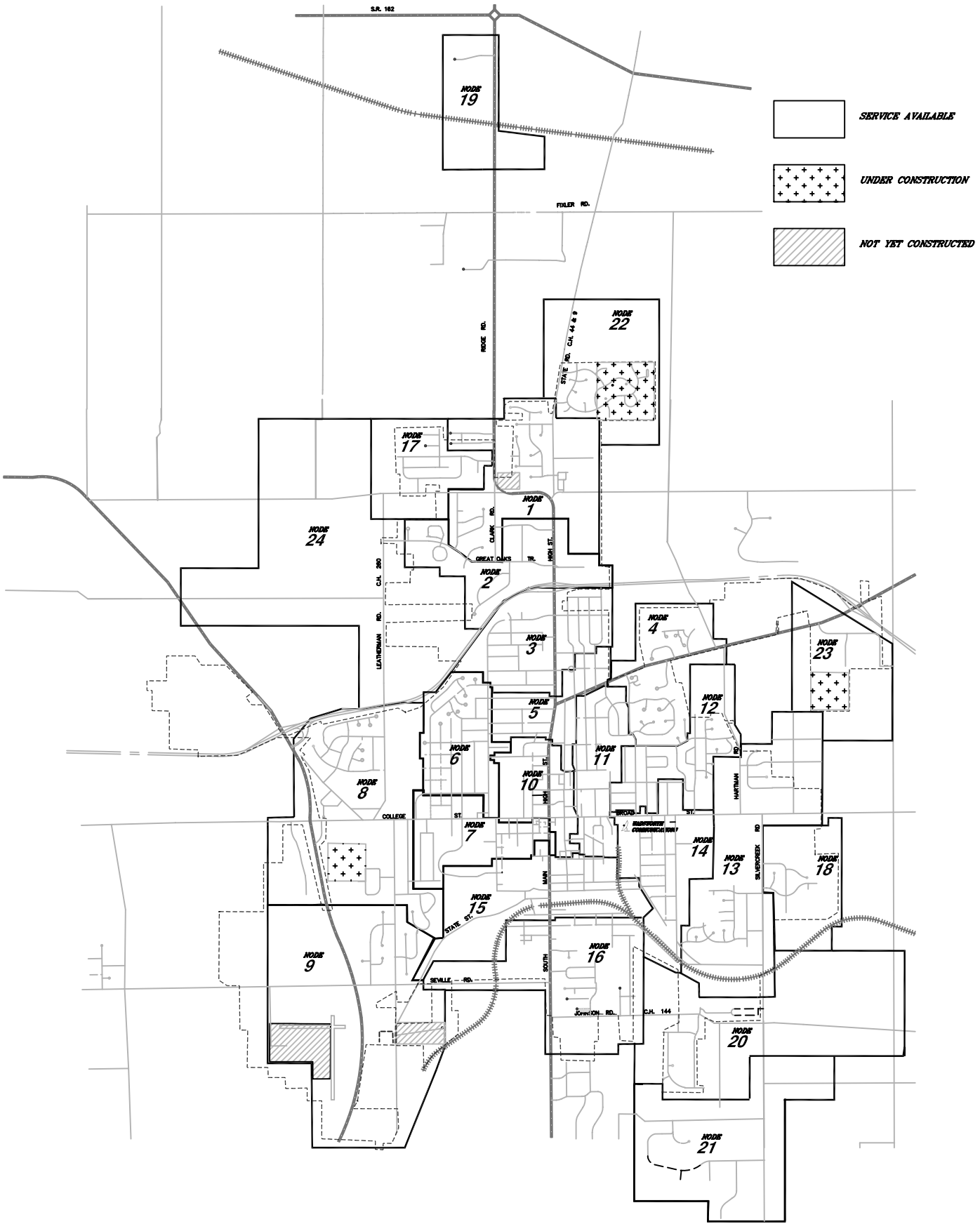
Internet changes have helped to expand system capabilities by opening more bandwidth to customers and allowing for a higher tier of service for power users. This included router updates and cable plant changes including moving away from OTN technology and connecting neighborhoods directly to the headend to avoid retransmission of data and removing possibilities of slowdown that were present. As we increase our ability to provide bandwidth, our customers continue to take advantage of that increase and we are constantly looking for ways to provide more.

Additional channels were added to the television lineup and the lineup was rearranged to better group programming. Lower channels were adjusted to provide data channels for the Internet service to increase data rates. Additional HD digital off-air services were added of which there are now 22. The HD tier now includes 36 services and the digital basic an additional 36 services.

In addition there are movie channel services now offered in groups called Plexes. HBO included 6 services, Cinemax 4, Starz/Encore 13 and Showtime with 10. The plexes are offered at the same rate as the single channels were in the past now making the digital movie channel offering a much better value. And with the standard lineup with 74 services there is now a total of 201 viewing possibilities. There are also the 38 music channels that are included starting in the Digital Basic tier.

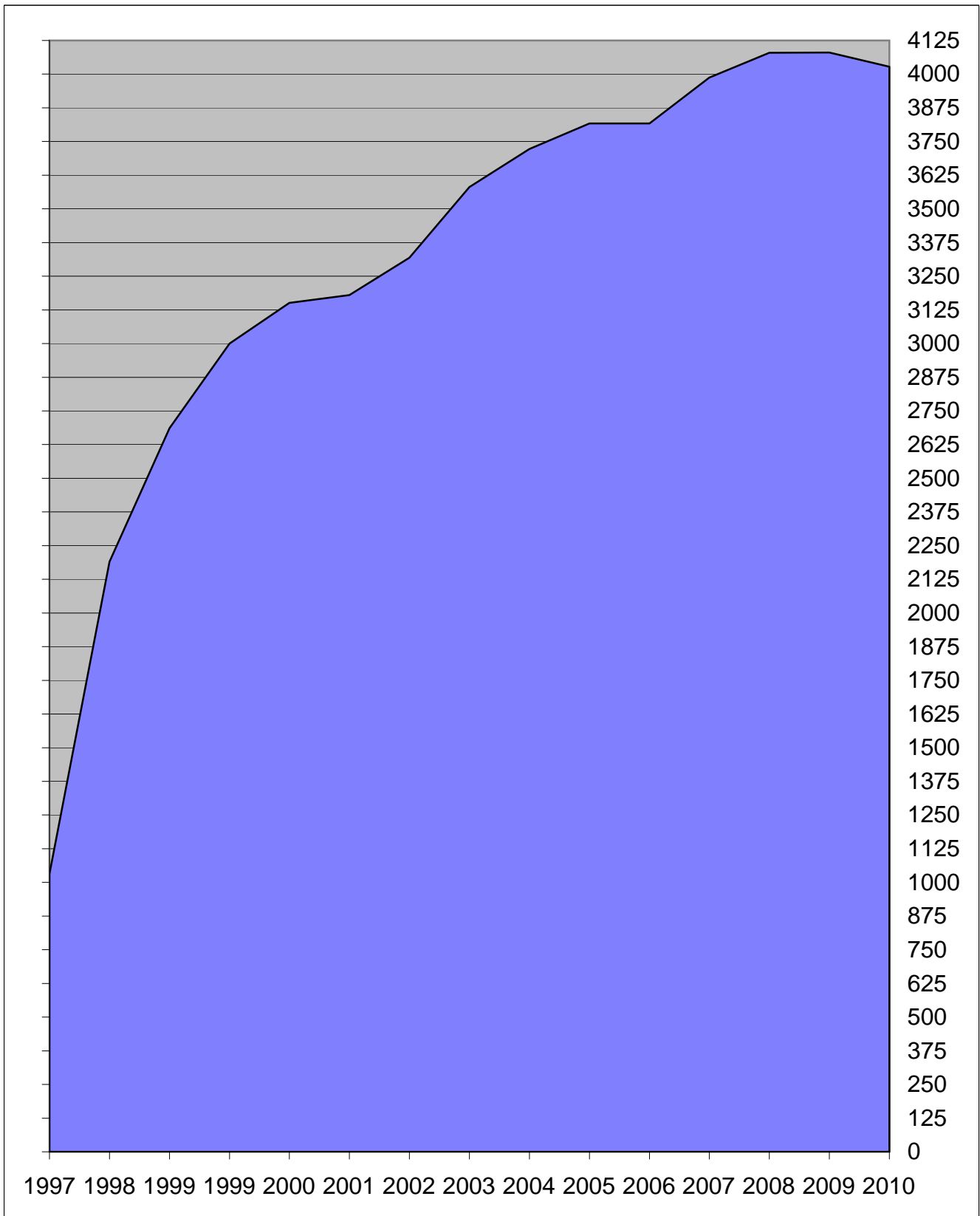
The city PBX continues to provide good service but we are actively testing digital solutions to be prepared to migrate to new technology that will incorporate all messaging into one location.

CITY OF WADSWORTH  
COMMUNICATIONS DEPARTMENT

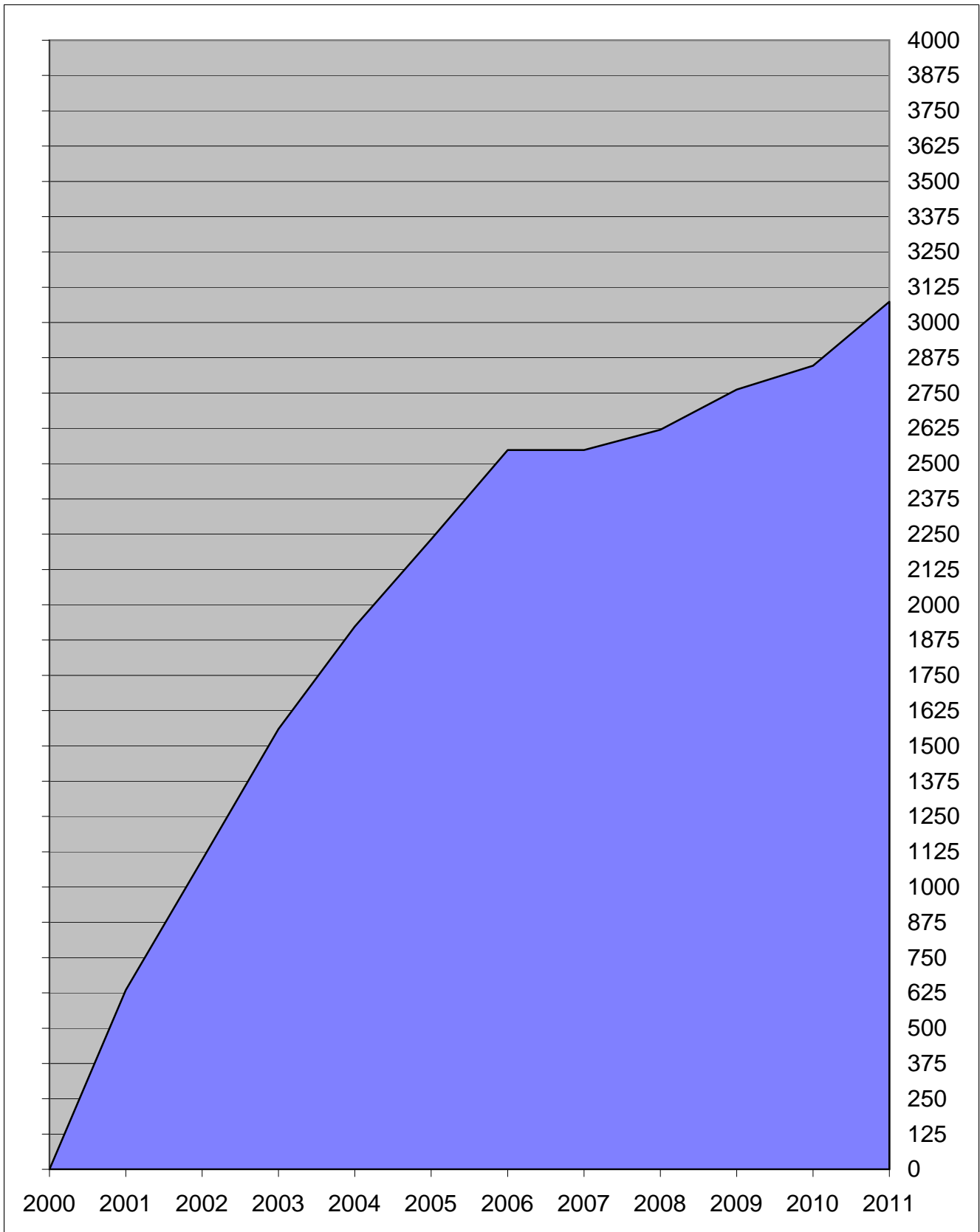




CITY OF WADSWORTH  
ANNUAL TOTAL CABLE TV CUSTOMERS



CITY OF WADSWORTH  
ANNUAL TOTAL INTERNET CUSTOMERS



# CITY OF WADSWORTH

## 2010 PERSONNEL

<u>Name</u>	<u>Date Hired</u>	<u>Year</u>	<u>Title</u>
<b><u>COMMUNICATIONS DIVISION</u></b>			
Alexander, Adam	4/21/99	10	Customer Service Technician II
Baisden, John	3/19/97	12	Communications Line Worker II
Barbas, Jeff	3/19/97	12	Communications Line Worker II
Brown, Joshua	4/29/96	13	Communications Crew Leader
DiPietro, Shirley	9/13/99	10	Customer Service Representative (PT)
Eshelman, Robert	3/31/03	6	Internal Network Manager
Feller, Mark	10/25/95	14	Comm., Substation & Project Supt.
Filippi, Gabe	12/28/10	0	Line Worker Trainee
Kline, R. Jay	11/10/03	6	Internet Network Customer Service Rep
Lange, Steve	8/21/06	3	I-Net Administrator
Morton, Richard	7/18/95	14	Customer Service Technician II
Munsson, Deborah	12/28/10	0	Customer Service Representative (PT)
Pearson, Ray	9/25/95	14	Communications Supervisor
Ryland, Janet	2/14/00	9	Customer Service Technical Rep.
Schlayer, Daniel	4/8/96	13	Elec. /Elec. Technician
Schrimpf, Gary	5/2/94	15	Comm. Assistant Superintendent
Thombs, Pat	5/30/89	20	Elec. /Elec. Technician
Veverka, Michael	5/24/90	19	Elec. /Elec. Technician
Vinson, Don	2/20/95	14	Customer Service Technician II
<b><u>ELECTRIC DIVISION</u></b>			
Bailes, Chris	4/24/03	7	Power Line Electrician II
Blake, Toby	7/19/04	6	Meter Technician I
Border, Travis	6/5/05	5	Power Line Electrician I
Bruening, Paul	7/29/02	8	Power Line Electrician I
Conrad, Tim	6/5/89	21	Customer Service Engineering Technician II
Crislip, Troy	5/6/96	14	Power Line Crew Leader
Fink, Kevin	4/19/99	11	Power Line Electrician II
Graham, Robert	7/29/02	8	Power Line Electrician II
Howard, Jason	12/27/10	0	Power Line Trainee
Lance, Jeremy	4/20/98	12	Power Line Crew Leader
Lindeman, Robert	10/29/97	12	Power Line Electrician II
Looper, Chad	04/21/03	7	Customer Service Engineering Tech. Trainee
Lyren, William Jr.	1/27/97	13	Superintendent
MacClean, Brandon	8/26/10	0	Power Line Trainee
Mc Elroy, Kristi	5/92	18	Secretary II
Messner, Kenneth	7/27/98	12	Power Line Electrician II
Parrish, Tim	4/23/96	14	Power Line Crew Leader
Petrey, Roger	1/4/89	21	Power Line Supervisor
Post, Gene	2/20/74	36	Manager Electric & Communications
Profaizer, Bracken	9/13/10	0	Power Line Trainee
Rohrer, Matthew	5/13/96	14	Power Line Crew Leader
Specht, Josh	2/17/03	7	Power Line Electrician II
Tittle, Dale	1/29/91	19	Assistant Superintendent
Vaughn, Cecil	9/9/96	14	Operations Setup / Scada Technician
Wade, Kyle	4/27/09	1	Power Line Trainee
Warren, Sean	8/23/10	0	Power Line Trainee
Wasley, George	4/7/03	7	Gen. Maintenance & Warehouse Person
<b><u>SUBSTATION &amp; PROJECTS DIVISION</u></b>			
Criswell, Mike	8/1/09	1	Substation/Signal Technician Trainee
Feller, Mark	10/25/95	15	Comm., Substation & Project Supt.
Jackson, Ron	6/30/99	11	Substation, Signal, Electrical Maint. Supervisor
Senger, Bill	8/6/97	13	Substation Designer
Williams, John	3/14/05	5	Substation Technician II
Wood, Nick	5/8/00	10	Substation/Signal Technician Trainee

# CITY OF WADSWORTH

## COMMUNITY METER COUNT AND PEAK USAGE

<b>Community</b>	<b>2009 Meter Count</b>	<b>Community</b>	<b>2009 Peak Usage</b>
Cleveland	74891	Cleveland	296600
Danville VA	44579	Danville VA	217572
Hamilton	29297	Columbus	155300
Cuyahoga Falls	24521	Paducah KY	145800
Paducah KY	22488	Hamilton	145700
Westerville	16198	Westerville	100124
Bowling Green	14605	Cuyahoga Falls	99377
Columbus	13362	Bowling Green	95195
Wyandotte MI.	12542	Niles	63196
Wadsworth	12538	Piqua	60000
Painesville	12056	Wadsworth	59382
Niles	11564	Lebanon	58160
Piqua	10555	Coldwater	57816
Lebanon	9045	Wyandotte MI.	57700
Lansdale PA.	8124	Orrville	55252
Martinsville VA	8034	Painesville	55200
Celina	7642	Bedford VA	51847
Front Royal VA	7389	Celina	44941
Orrville	7058	Dover	44765
Bedford VA	6994	Front Royal VA	44033
Coldwater	6812	Bryan	43780
Dover	6733	Martinsville VA	42300
Ephrata	6699	Hudson	42049
Hudson	6447	St.Marys	36828
Hillsdale	6311	Clyde	36181
Galion	6199	Jackson	33027
Bryan	6034	Wapokeneta	31847
Napoleon	5874	Napoleon	30421
Amherst	5736	Ephrata	29657
Quakertown PA.	5676	Tipp City	29354
Wapokeneta	5343	Amherst	26866
Shelby	5189	Lansdale PA	26818
Tipp City	4833	Princeton KY	25157
Marshall	4570	Shelby	23698
Ellwood City PA.	4182	Marshall	23092
Jackson	4161	Galion	22354
St.Marys	4129	Richlands VA	21500
Princeton KY	3931	Hillsdale	21272
Perkasie PA	3877	Oberlin	20748
Middletown PA	3865	Minster	19895
Hubbard	3837	Quakertown PA	19148
Columbiana	3546	Middletown PA	17865
Blakely PA	3311	Holiday City	16860
Oberlin	3079	Blanchester	15816
Lehigton PA	3000	Columbiana	15485
Schullykillhaven PA	2987	Kutztown PA	14949
Clyde	2968	Montepelier	14330
Grove City PA	2952	Seville	14088
St.Clairsville	2925	Hubbard	14070
Richlands VA	2645	Versailles	13813
Wellington	2591	Wellington	13570

# CITY OF WADSWORTH

## COMMUNITY METER COUNT AND PEAK USAGE

Community	2009 Meter Count	Community	2009 Peak Usage
Dowagiac Mi	2585	Perkasie PA	13506
Newton Falls	2579	Carey	13464
Kutztown PA	2464	Dowagiac Mi	13062
Montepelier	2317	Ellwood City PA	12979
Zelienople PA	2251	New Breman	12438
Blanchester	2206	St.Clairsville	12079
Yellow Springs	2073	Grove City PA	11840
Saint Clair PA	2050	Mifflinburg PA	10862
Carey	1877	Williamstown KY	10762
Versailles	1863	Newton Falls	10075
Williamstown KY	1850	Monroeville	9790
Mifflinburg PA	1845	Schullykillhaven PA	9699
Seville	1788	Lehighton PA	9116
Lodi	1784	Lodi	8885
Oak Harbor	1776	Brewster	8563
New Martinsville WV.	1751	New Martinsville WV	8491
Phillipi WV	1674	Blakely PA.	8098
Arcanum	1620	Zelienople PA	7487
New Breman	1562	Yellow Springs	7460
Woodsfield	1557	Pioneer	7363
Girad PA	1536	Phillipi WV	6990
Hatfield PA	1528	Girad	6337
Union City	1417	Grafton	6318
Minster	1404	Edgerton	5870
Clinton	1371	Woodsfield	5645
Weatherly PA	1231	Oak Harbor	5593
Grafton	1205	Arcanum	5300
Berlin PA.	1130	Clinton	5215
Edgerton	1121	Weatherly PA	4712
Genoa	1087	Berlin PA.	4665
Smethport	1063	Hatfield PA	4406
Watsonstown PA	1057	Deshler	4403
Woodville	1057	Jackson Center	4342
Glouster	1052	Saint Clair PA	3932
Deshler	1043	New Wilimington PA	3921
Brewster	955	Genoa	3844
Lakeview	940	Pemberville	3750
Elmore	933	Greenwich	3672
Duncannon PA	913	Union City	3333
Monroeville	898	Elmore	3311
Catawissa PA	894	Woodville	3160
Beach City	873	Watsonstown PA	2997
Plymouth	840	Beach City	2850
Pioneer	828	Smeth Port	2772
Jackson Center	772	Catawissa PA.	2696
Greenwich	750	Plymouth	2657
East Conemaugh PA	744	Glouster	2600
New Wilimington PA	737	Lakeview	2552
Prospect	732	New Knoxville	2450
Milan	724	Duncannon PA.	2435

# CITY OF WADSWORTH

## COMMUNITY METER COUNT AND PEAK USAGE

<b>Community</b>	<b>2009 Meter Count</b>	<b>Community</b>	<b>2009 Peak Usage</b>
Pemberville	692	Milan	2347
Bradner	591	Waynesfield	2272
Haskins	522	Prospect	2121
Sycamore	509	Marshallville	1633
Marshallville	490	Haskins	1608
Waynesfield	476	Bradner	1533
Ohio City	464	Goldsboro	1484
New Knoxville	454	Sycamore	1457
Royalton PA	416	Mendon	1433
Mendon	403	Bloomdale	1394
Hooversville PA	389	Ohio City	1323
Goldsboro	382	East Conemaugh PA	1245
Wampum PA	382	Shiloh	1143
Lucas	347	Arcadia	1117
Republic	323	Eldorado	1117
Shiloh	310	Royalton PA	1077
Bloomdale	308	South Vienna	1061
Arcadia	305	Hooversville PA	996
Summerhill PA	299	Cygnat	958
Eldorado	270	Wampum PA	918
Cygnat	254	Lucas	840
South Vienna	234	Summerhill PA	792
Wharton	183	Wharton	715
Lewisberry PA	179	Custar	705
Custar	120	Republic	681
Holiday City	30	Lewisberry PA	594
Huron	4	Huron	233

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