

2008
ANNUAL REPORT

 CITY OF
WADSWORTH
SINCE 1814
ELECTRIC &
COMMUNICATIONS



CITY OF WADSWORTH
2008 ELECTRIC AND COMMUNICATIONS DEPARTMENT ANNUAL REPORT

2008 CITY OFFICIALS

MAYOR

Robin Laubaugh

SERVICE DIRECTOR

Chris Easton

ASSISTANT SERVICE DIRECTOR

Robert Peters

John P. Moss

Auditor

David Hammerly

Treasurer

Matthew Hiscock

Safety Director

Norman E. Brague

Law Director

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Tom Palecek - President

Timothy Eberling

John Sharkey

Dennis Shultz

Susan Hanlon

Jim Riley

Bruce Darlington

Eugene S. Kovack

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

2008

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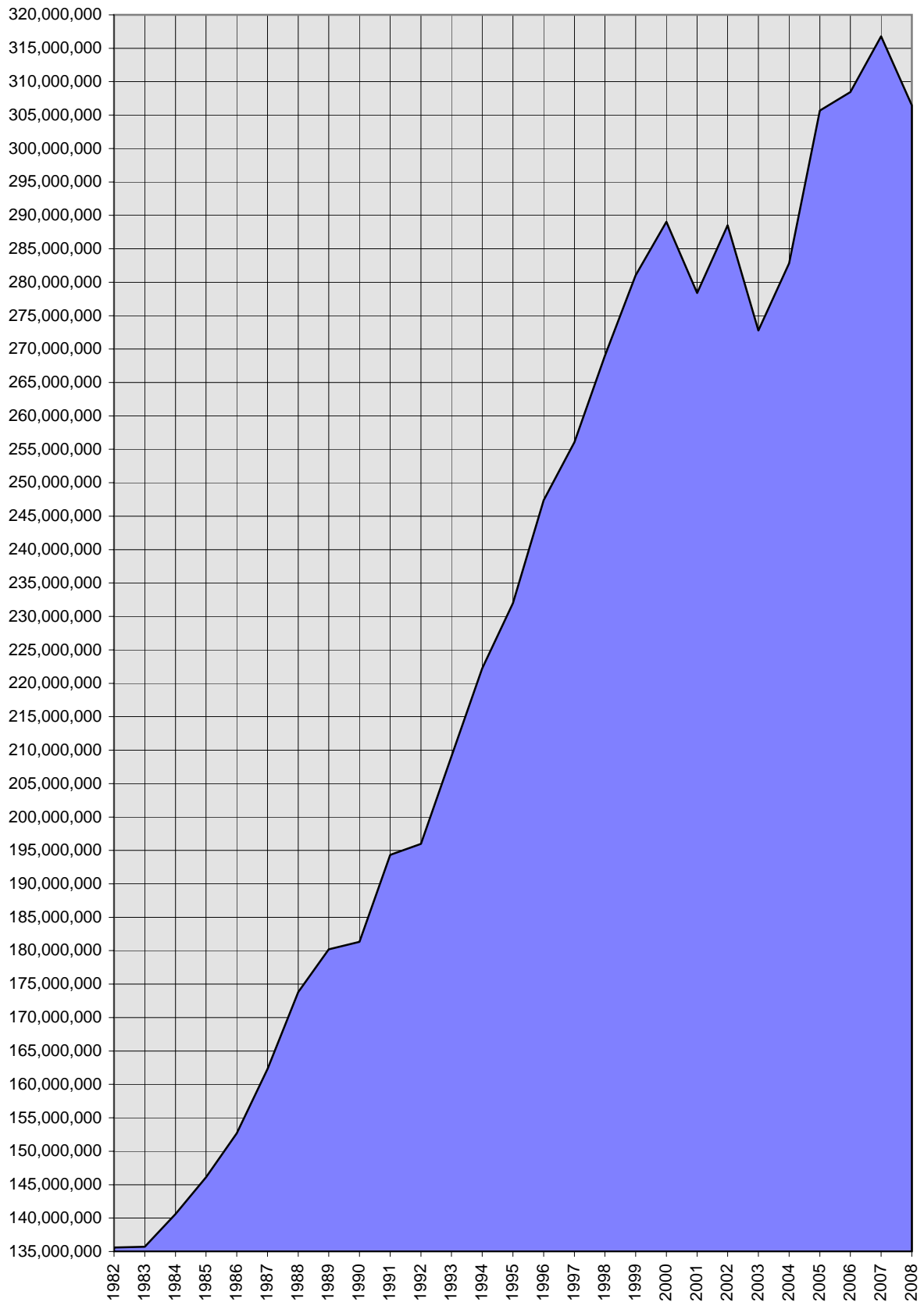
CITY OF WADSWORTH

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>
1949	3,360	180	5.7%	13,176,000	1,022,040	8.4%
1950	3,840	480	14.3%	14,742,000	1,566,000	11.9%
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%

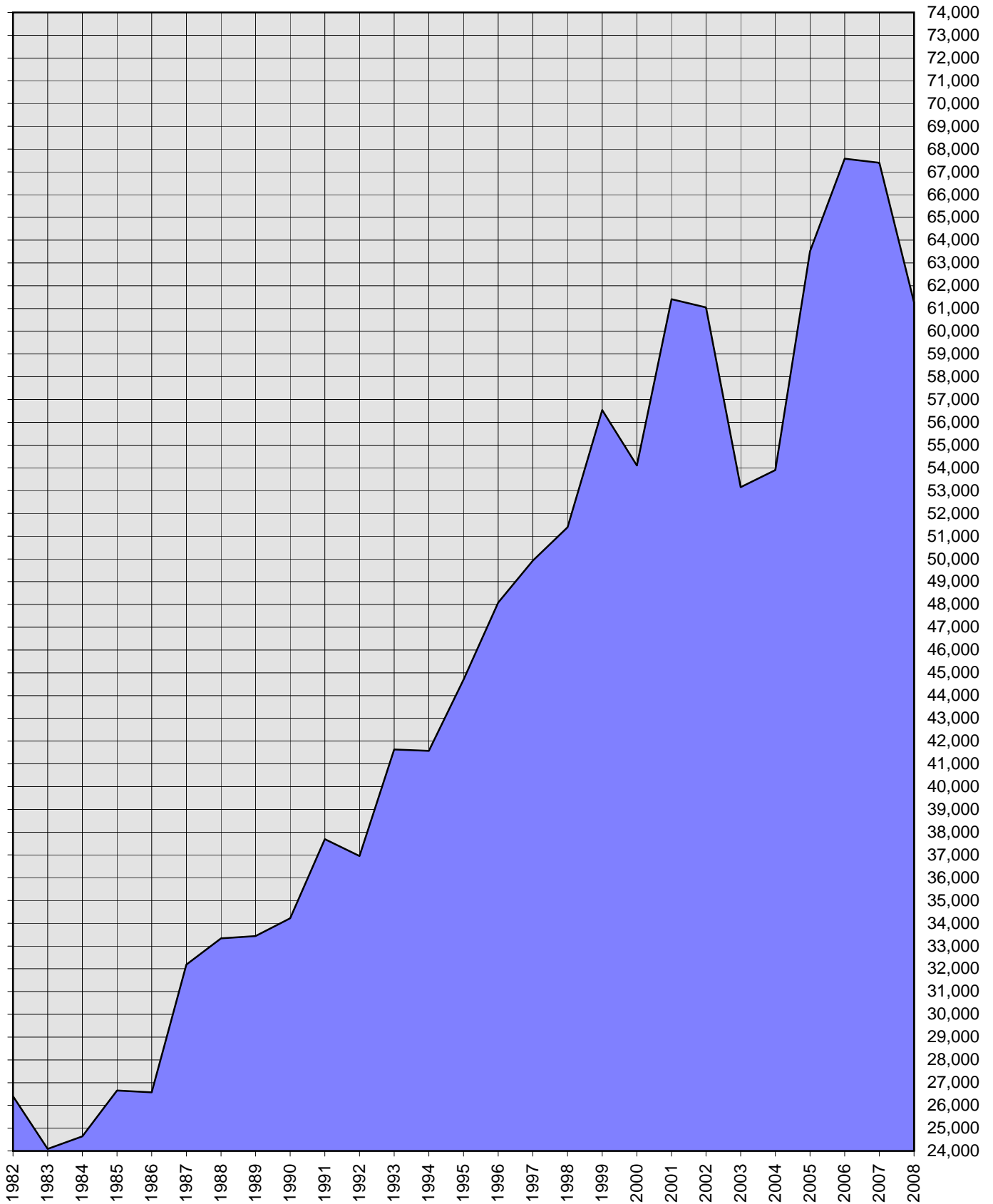
CITY OF WADSWORTH

ANNUAL POWER PURCHASE (KILOWATTHOURS)



CITY OF WADSWORTH

**ANNUAL PEAK LOAD
(KILOWATTS)**



CITY OF WADSWORTH

AMP-OHIO BILLING - 2008

AMP-OHIO BILLING - 2008

<u>Month</u>	<u>Kilowatt Hrs.</u>		<u>Billing KW*</u>		<u>Net Cost</u>		<u>Unit Cost</u>
January	27,336,223		45,889		\$1,430,196.63		0.052319
February	25,747,230		46,410		\$1,333,174.67		0.051779
March	25,789,316		44,269		\$1,258,545.54		0.048801
April	23,018,543		40,538		\$1,243,572.77		0.054025
May	22,823,729		40,339		\$1,290,381.18		0.056537
June	26,298,105		61,272		\$1,548,857.22		0.058896
July	29,012,009		59,975		\$1,916,788.63		0.066069
August	27,303,200		54,888		\$1,850,736.56		0.067785
September	26,586,728		51,078		\$1,482,930.52		0.055777
October	23,588,667		40,783		\$1,441,218.30		0.061098
November	23,491,739		43,487		\$1,317,322.76		0.056076
December	25,482,256		44,788		\$1,400,327.77		0.054953
Total	306,477,745	Ave.	47,810	Total	\$17,514,052.55	Ave.	0.0570096

AMP-OHIO BILLING - 2007

<u>Month</u>	<u>Kilowatt Hrs.</u>		<u>Billing KW*</u>		<u>Net Cost</u>		<u>Unit Cost</u>
January	27,370,079		47,188		1350155.72		0.04933
February	25,992,855		49,248		1348567.42		0.051882
March	26,223,423		45,789		1391476.05		0.053062
April	23,801,594		42,401		1202171.86		0.050508
May	25,220,487		55,011		1183422.24		0.046923
June	27,049,819		58,679		1444250.94		0.053392
July	27,571,088		63,169		1607768.56		0.058314
August	31,537,649		67,394		2002534.96		0.063497
September	26,160,811		61,494		1537411.91		0.058768
October	25,661,784		57,054		1503156.82		0.058576
November	24,274,564		44,769		1319331.12		0.05435
December	25,911,738		48,301		1406024.31		0.054262
Total	316,775,891	Ave.	53,375	Total	\$ 17,296,271.91	Ave.	0.0544053

*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 2008-2007

2008

Month	Peak Demand	Date	Time
January	46,584.0	1/21/2008	7:00 P.M.
February	46,410.0	2/20/2008	8:00 P.M.
March	44,269.0	3/4/2008	7:00 P.M.
April	40,538.0	4/1/200	8:00 P.M.
May	40,339.0	5/7/2008	5:00 P.M.
*June	61,272.0	6/9/2008	2:00 P.M.
July	59,975.0	7/17/2008	4:00 P.M.
August	54,888.0	8/15/2008	2:00 P.M.
September	56,381.0	9/6/2008	3:00 P.M.
October	40,783.0	10/27/2008	7:00 P.M.
November	43,487.0	11/11/19/200	7:00 P.M.
December	44,788.0	12/18/2008	7:00 P.M.
Yearly Average	48,310		

2007

Month	Peak Demand	Date	Time
January	47188	1/25/2007	7:00 P.M
February	49248	2/5/2007	7:00 P.M
March	46412	3/6/2007	10:00 A.M.
April	42819	4/5/2007	10:00 A.M.
May	55129	5/31/2007	3:00 P.M.
June	60787	6/26/2007	2:00 P.M.
July	63185	7/9/2007	5:00 P.M
*August	67394	8/8/2007	3:00 P.M.
September	61765	9/6/2007	3:00 P.M.
October	57885	10/8/2007	3:00 P.M.
November	44769	11/29/2007	7:00 P.M
December	48301	12/17/2007	8:00 P.M.
Yearly Average	<u>53,740</u>		

*Denotes annual peak

**CITY OF WADSWORTH
COST AVOIDANCE 2008**

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

USAGE MONTH	SYSTEM PEAK KW	BILLING PEAK KW**	DIFFERENCE KW	REGULATION RATE \$/KW	COST AVOIDANCE \$
Jan '08	46584	45889	695	5.792052	\$4,025.48
Feb '08	46410	46410	0	5.571914	\$0.00
Mar '08	44268	44268	0	6.018991	\$0.00
Apr '08	40987	40538	449	6.794058	\$3,050.53
May '08	40339	40339	0	5.878406	\$0.00
Jun '08	61272	61272	0	3.835329	\$0.00
Jul '08	59975	59975	0	4.158379	\$0.00
Aug '08	54888	54888	0	4.292	\$0.00
Sept '08	51078	51078	0	3.904925	\$0.00
Oct '08	40783	40783	0	6.140342	\$0.00
Nov '08	43487	43487	0	5.479583	\$0.00
Dec '08	44788	44788	0	5.072091	\$0.00
Ave.	47,905	Ave. 47,810	Ave. 95	Ave. \$5.244839	

Total Cost Avoidance 2008

\$7,076.01

PAST YEARS STATISTICS

	AVERAGE KW SYSTEM PEAK	AVERAGE KW COINCIDENT PEAK	AVERAGE KW DIFFERENCE	AVERAGE \$/KW REGULATION RATE	ANNUAL SAVINGS
2008	47,905	47,810	95	\$ 5.79	\$7,076.01
2007	53,742	53,375	368	\$ 6.82	\$29,769.53
2006	50,084	49,219	864	\$ 9.37	\$88,259.32
2005	48,307	48,991	336	\$ 8.72	\$26,129.35
2004	45,374	44,654	721	\$ 7.69	\$64,777.97
2003	43,723	43,333	391	\$ 8.89	\$54,468.92
2002	49,759	44,939	4820	\$ 9.44	\$541,057.83
2001	47,545	43,180	4365	\$ 13.24	\$715,227.00
2000	47,214	41,681	5534	\$ 11.13	\$777,900.81
1999	45,771	40,104	5,273	\$ 8.47	\$584,844.20
1998	44,179	39,824	4,415	\$ 7.83	\$524,059.05
1997	42,409	36,380	6,029	\$ 8.29	\$623,720.78
1996	40,921	35,315	5,607	\$ 8.44	\$580,798.47
1995	37,532	34,123	3,409	\$ 8.78	\$377,640.40
1994	35,879	31,484	4,395	\$ 9.21	\$495,025.77
1993	34,147	29,601	4,546	\$ 8.08	\$445,113.88
1992	30,918	27,880	3,038	\$ 8.90	\$329,560.93
1991	32,093	27,895	4,198	\$ 9.46	\$482,085.75

Total Cost Avoidance 1991 thru 2008

\$ 6,747,515.97

*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.

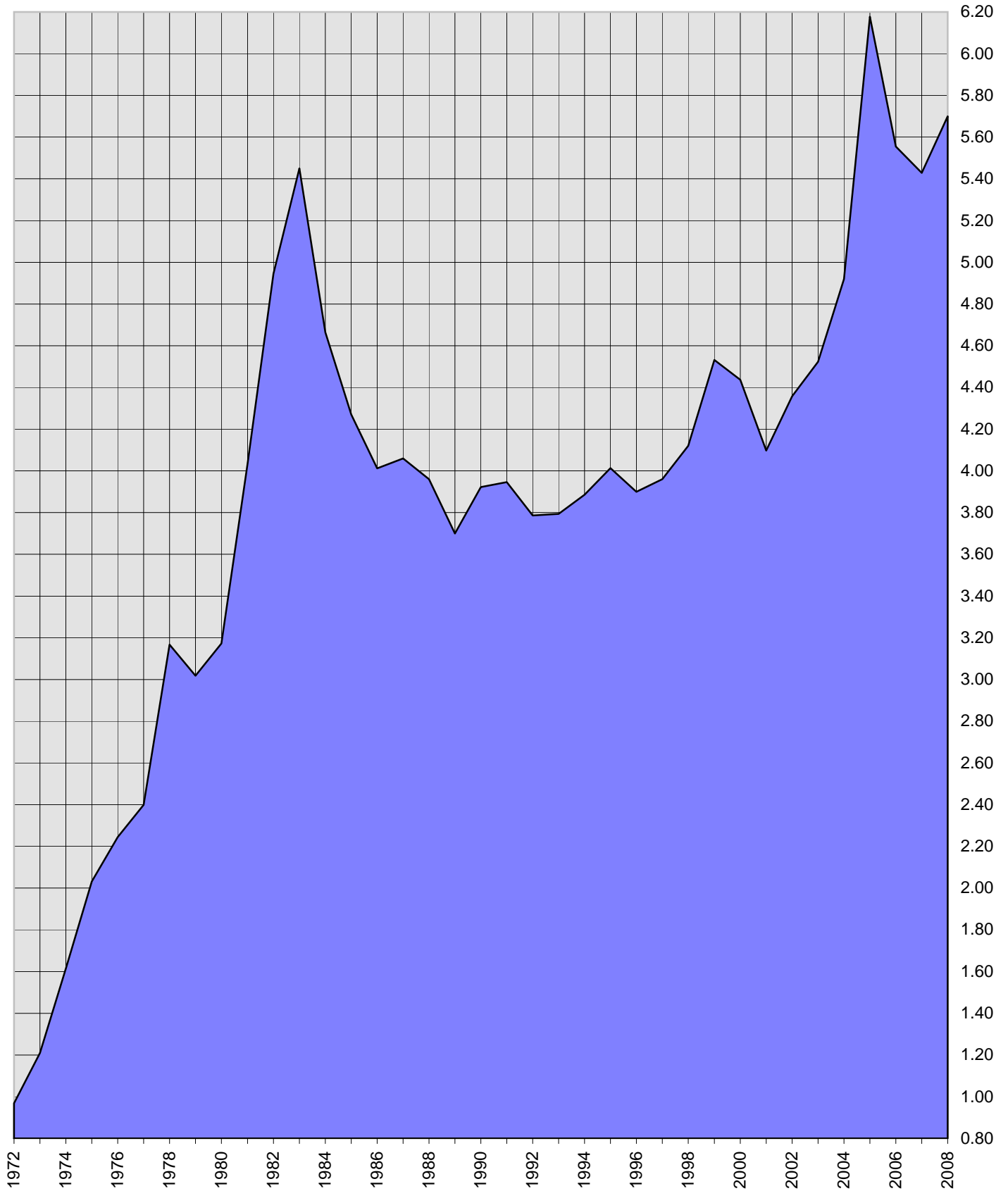
(N.E.A.S.G.) Northeast Area Service Group of Amp-Ohio

CITY OF WADSWORTH

ANNUAL AVERAGE WHOLESALE KWH COST--1956 TO 2008 (CENTS)

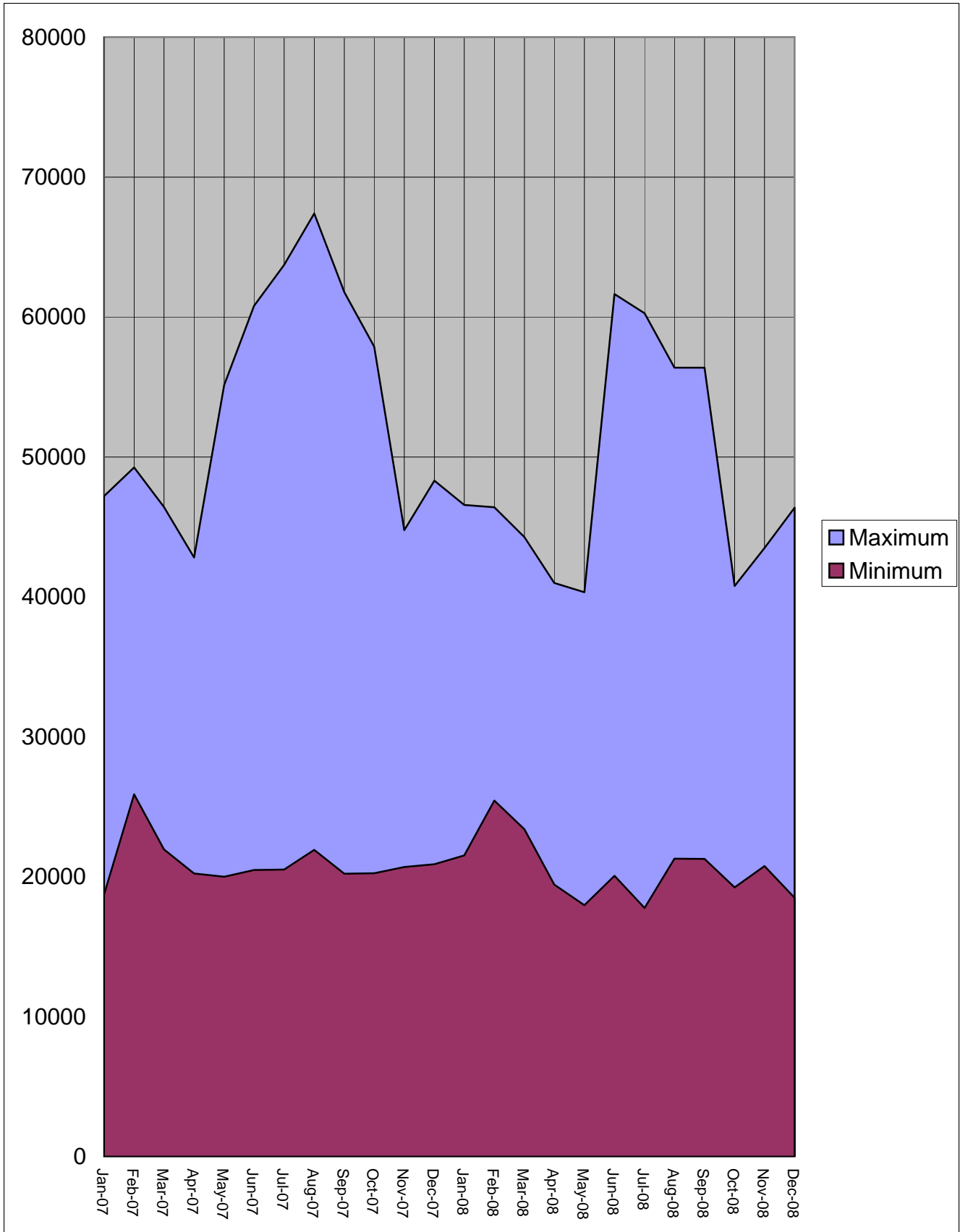
1956	-----	1.115
1957	-----	1.116
1958	-----	1.114
1959	-----	1.070
1960	-----	1.053
1961	-----	1.044
1962	-----	1.027
1963	-----	1.030
1964	-----	1.019
1965	-----	.996
1966	-----	.920
1967	-----	.909
1968	-----	.899
1969	-----	.901
1970	-----	.893
1971	-----	.890
1972	-----	.969
1973	-----	1.209
1974	-----	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	-----	

CITY OF WADSWORTH
ANNUAL AVERAGE WHOLESALE KWH COST
(CENTS)



CITY OF WADSWORTH

MONTHLY KWH MINIMUM AND MAXIMUM USE 2008



CITY OF WADSWORTH

ANNUAL INCREASE IN TOTAL ELECTRIC METERS

1956	-----	4557	-----	+ 179
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		

CITY OF WADSWORTH

ANNUAL INCREASE IN TOTAL ELECTRIC METERS

