

Trotwood-Madison School District



Trotwood-Madison School District Utility Summary Sheet (April 08 - March 09)

BUILDING NAME	FACILITY SIZE (S.F.)	ANNUAL ELECTRIC		COST/ KWH	Electric KBTU/SqFt	ANNUAL FUEL		COST/ MMBTU	FUEL KBTU/Sqft	TOTAL ANL COST	TOTAL KBtu/SqFt	TOTAL MMBTU/HDD	TOTAL MMBTU/CDD	AVG \$/SF
		KWH	COST			MMBTU	COST							
Central Office	7,400	166,720	\$ 16,259	\$ 0.10	76.87	778	\$ 9,175	\$ 11.79	105.14	\$ 25,435	182.01	0.14	1.95	\$ 3.44
Old Middle School	84,065	932,400	\$ 88,343	\$ 0.09	37.84	2,882	\$ 33,803	\$ 11.73	34.28	\$ 122,146	72.13	0.52	10.92	\$ 1.45
High School	230,000	3,351,785	\$ 264,302	\$ 0.08	49.72	16,139	\$ 193,441	\$ 11.99	70.17	\$ 457,743	119.89	2.90	39.25	\$ 1.99
Middle School*	84,000	1,099,804	\$ 86,724	\$ 0.08	44.67	4,022	\$ 41,216	\$ 10.25	47.88	\$ 127,940	92.55	0.72	12.88	\$ 1.52
ELC*	66,456	785,575	\$ 61,946	\$ 0.08	40.33	3,233	\$ 38,900	\$ 12.03	48.65	\$ 100,846	88.98	0.58	9.20	\$ 1.52
Madison Park	54,065	702,360	\$ 66,195	\$ 0.09	44.33	4,065	\$ 48,943	\$ 12.04	75.19	\$ 115,137	119.51	0.73	8.22	\$ 2.13
Westbrooke	54,065	765,000	\$ 65,233	\$ 0.09	48.28	3,864	\$ 47,293	\$ 12.24	71.47	\$ 112,526	119.75	0.69	8.96	\$ 2.08
Service Center	32,975	6,396	\$ 998	\$ 0.16	0.66	1,010	\$ 11,962	\$ 11.84	30.63	\$ 12,960	31.29	0.18	0.07	\$ 0.39
Bus Garage	4,200	40,280	\$ 4,345	\$ 0.11	32.72	684	\$ 8,091	\$ 11.83	162.86	\$ 12,436	195.58	0.12	0.47	\$ 2.96
District Totals	617,226	7,850,320	\$ 654,345	\$ 0.08	43.40	36,677	\$ 432,824	\$ 11.80	59.42	\$ 1,087,170	102.82	6.58	91.92	\$ 1.76

Notes:

- * There is one combined electric meter for the high school, middle school, and ELC; however, the buildings have separate meters for gas.
- * The following electrical percentage splits have been used for these three schools: HS = 64% (60.45%), MS = 21% (22.10%), and ELC = 15% (17.47%)

Local K-12 School Comparison Analysis (based on 2005 & 2006 Data)

	FACILITY SIZE (S.F.)	ANNUAL ELECTRIC		COST/ KWH	ELEC kbtu per SqFt	ANNUAL FUEL		COST/ MCF	FUEL kbtu per SqFt	TOTAL Annual Cost	TOTAL Btu/SqFt	AVG \$/SF
		KWH	COST			MCF	COST					
Full Heating & Air Conditioning	104,740			\$ 0.065	37.81				45.29		83.10	\$ 1.54
Mixture of Heating Only & A.C.	73,692			\$ 0.071	28.33				47.46	\$ -	75.79	\$ 1.36
Heating Only Schools	58,329			\$ 0.066	22.18				53.84	\$ -	76.02	\$ 1.16

Weather Data - Dayton, OH

Benchmark Year Data

	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Total
Heating Degree Days - benchmark year	374	225	3	3	1	15	352	742	1,054	1,205	973	623	5,570
Heating Degree Days - average year	427	167	24	2	7	90	358	669	1,016	1,185	973	760	5,678
Cooling Degree Days - benchmark year	8	25	208	265	207	126	14	0	0	0	0	1	854
Cooling Degree Days - average year	9	62	194	305	246	105	11	1	0	0	0	2	935

* Weather data provided by the National Climatic Data Center (Dayton, Ohio)

* Average data based on the National Climatic Data Center's 30-year average (1961-1990)