

ANTWERP, OHIO COMMUNITY LIBRARY - ELECTRIC USAGE ENERGY ANALYSIS - UPDATED JANUARY 17, 2006

Paulding County Carnegie Library - Antwerp, Ohio Branch

MONTH	Total KWH Used				HVAC Only - Electric Cost				Total Electric Cost			
	2002	2003	2004	2005	2002	2003	2004	2005	2002	2003	2004	2005
JAN	2512	2268	2511	2961	\$99.63	\$87.70	\$100.69	\$165.24	\$144.63	\$132.70	\$145.69	\$210.24
FEB	1942	2653	2726	2378	\$70.63	\$107.79	\$111.97	\$134.24	\$115.63	\$152.79	\$156.97	\$179.24
MAR	3031	2190	1999	2056	\$127.60	\$83.59	\$73.86	\$118.92	\$172.60	\$128.59	\$118.86	\$163.92
APR	726	1517	1627	1558	\$6.49	\$48.17	\$54.21	\$89.81	\$51.49	\$93.17	\$99.21	\$134.81
MAY	1374	1512	1521	1146	\$40.68	\$47.91	\$48.57	\$56.96	\$85.68	\$92.91	\$93.57	\$101.96
JUN	1502	1572	1666	1520	\$47.41	\$51.09	\$56.27	\$78.52	\$92.41	\$96.09	\$101.27	\$123.52
JUL	2078	3006	1637	1875	\$77.76	\$126.22	\$54.73	\$95.45	\$122.76	\$171.22	\$99.73	\$140.45
AUG	1819	644	1923	1851	\$64.15	\$2.12	\$69.85	\$93.37	\$109.15	\$47.12	\$114.85	\$138.37
SEP	1861	2177	1716	1950	\$66.35	\$82.90	\$58.91	\$97.45	\$111.35	\$127.90	\$103.91	\$142.45
OCT	1395	1500	1573	1354	\$38.78	\$47.26	\$51.35	\$71.11	\$83.78	\$92.26	\$96.35	\$116.11
NOV	1697	1445	1271	1385	\$57.70	\$44.39	\$86.83	\$92.63	\$102.70	\$89.39	\$131.83	\$137.63
DEC	2308	2225	1974	2961	\$89.80	\$85.41	\$117.82	\$165.24	\$134.80	\$130.41	\$162.82	\$210.24
Totals/Year	22245	22709	22144	22144	\$787	\$815	\$885	\$1,259	\$1,327	\$1,355	\$1,425	\$1,799
Avg./Month	1854	1892	1845	1845	\$66	\$68	\$74	\$105	\$111	\$113	\$119	\$150
\$/sf/month					\$0.0262	\$0.0271	\$0.0295	\$0.0419	\$0.0442	\$0.0451	\$0.0475	\$0.0599
\$/sf/year					\$0.31	\$0.33	\$0.35	\$0.50	\$0.53	\$0.54	\$0.57	\$0.72
Net \$/KWH	\$0.060	\$0.060	\$0.064	\$0.081								
% of change		-0.01%	7.89%	26.24%								

***NOTES:**

The KWH includes all of the energy used in the library for the period shown.*

This is a total electric building. The utility is AEP (American Electric Power), with a 200a 1ph service panel.

The library size is 44'-8"x 56'-0" = 2501 sf, with 10' ceilings = 25,010 cf

The walls are **12" SOLARCRETE (R-36)**. The roof is raised wood trusses with cellulose insul. **(R-40)**

\$45 per month - estimated cost for all non-HVAC electric use. This estimate is interpolated from the actual electric usage during the lowest periods of heating and cooling requirements.

*Items that use the electricity are heating and air conditioning (heat pump), ventilation, interior lighting during hours of operation, exterior lighting (all night), computers, faxmachine, copy machine, water heater, water cooler, etc.



*Variations in energy consumption are affected by the natural variation in heating and cooling degree days, total hours of building use each month, thermostat settings, number of occupants, as well as the variation in the number of days between electric meter readings by AEP (American Electric Power).

Antwerp Branch Library Phone and Fax Number: 419-258-2855

*For hours of operation and additional information go to the website: <http://pauldingcountylibrary.org/antwerp.htm>