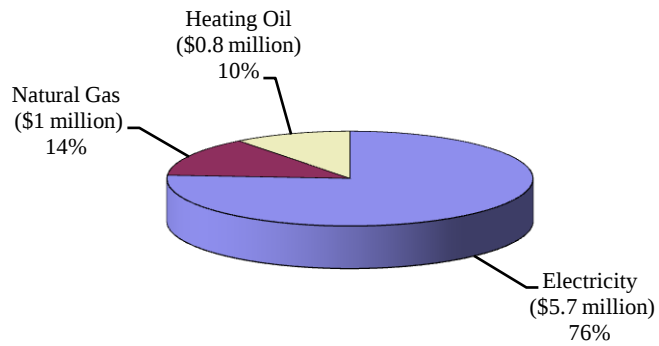


City Energy Consumption and Expenditures

FY08 City Expenditures by Energy Category
(\$7.5 million)



FY08 City Energy Consumption

	FY08
Electricity	39,281,159 kilowatt hours
Natural Gas	694,879 therms
Heating Oil	432,270 gallons

FY08 City Energy Costs

	FY08
Electricity	\$ 5,700,267
Natural Gas	\$ 1,014,391
Heating Oil	\$ 777,790
	<u>\$ 7,492,448</u>

Source: Energy Information System

City Electricity Consumption

Energy Information System Report

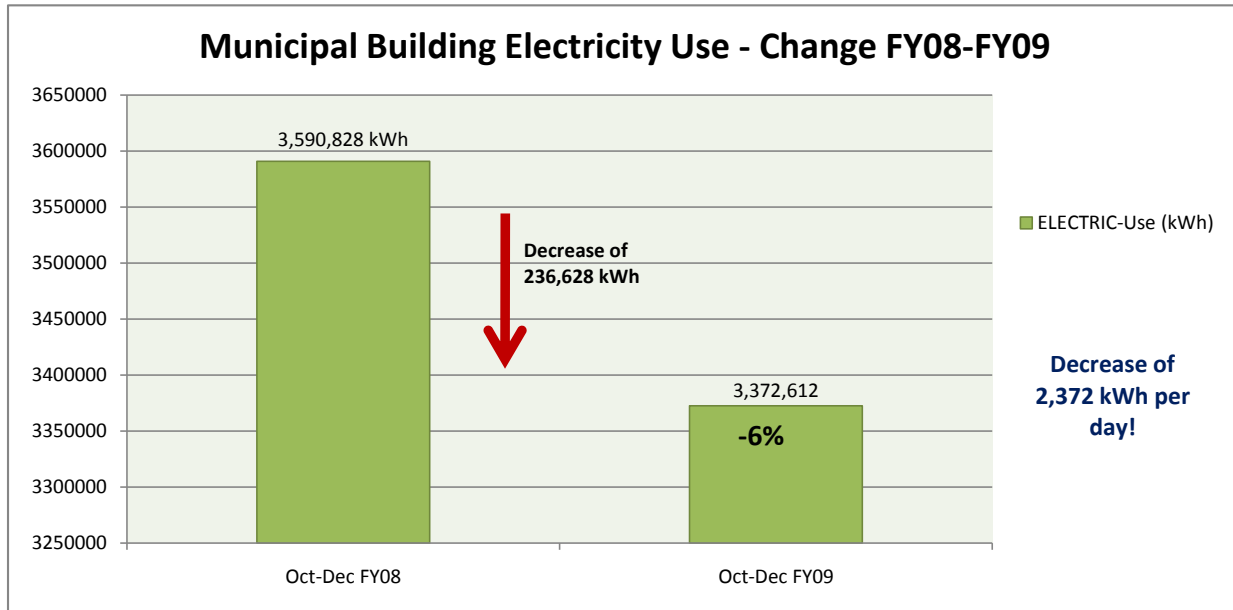
Fiscal Year = 2008

City = City of Cambridge

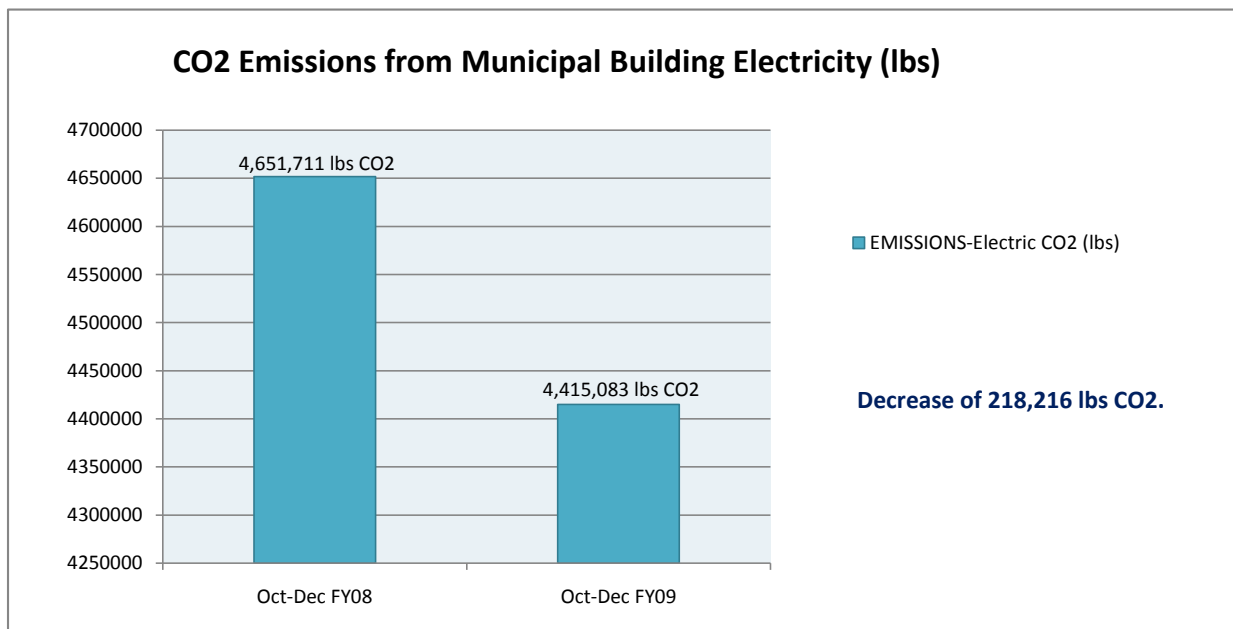
Category = Building

DEPARTMENT	ELEC Use (kWh)
Electrical Dept.	196,305
Emergency Communications Dept.	290,692
Fire Dept.	557,496
Human Service Programs	170,032
Libraries	181,972
Police Dept.	526,238
Public Works Dept.	4,457,556
School Dept.	15,392,763
Traffic, Parking and Transportation Dept	680,667
Water Dept.	9,182,050
10 Records 2008 Sub-Total	31,635,771
Total	31,635,771
* 2008 = July - June	

Summary of Change in Municipal Building Electricity Consumption



This decrease is equivalent to the electricity used by 84 homes during this same period!



The decrease in CO2 emissions is equal to the CO2 emissions of 22 cars!

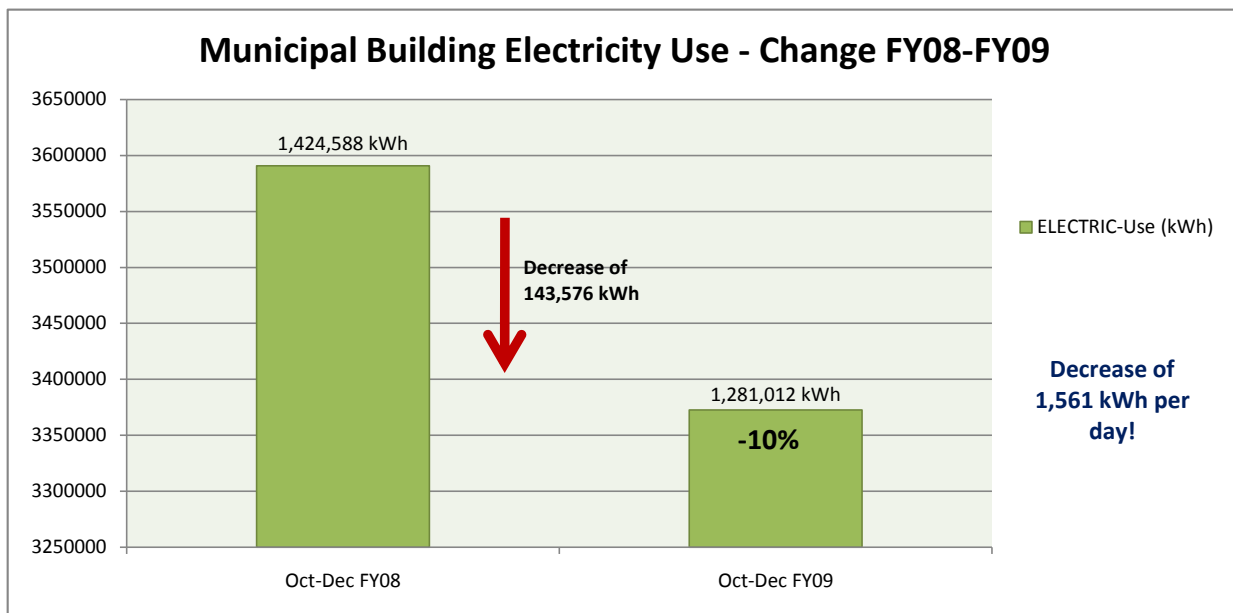
Source: Energy Information System

Note: This data includes all municipal buildings, including the water treatment facility.

(Does not include School Department buildings or buildings under construction:

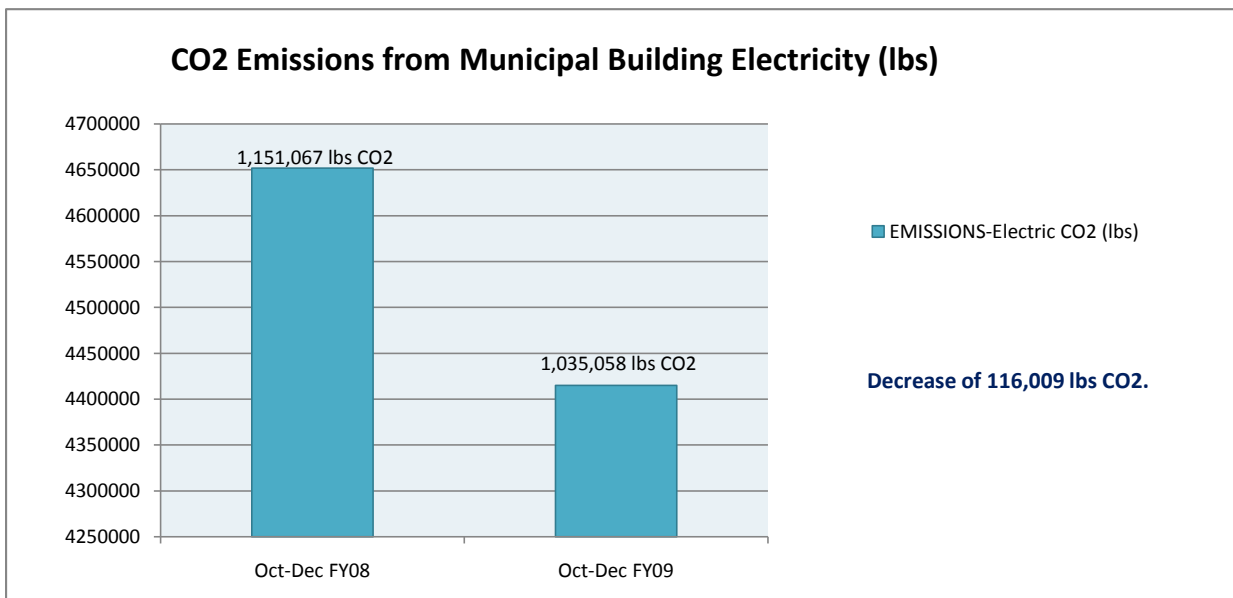
Healy Public Safety, West Cambridge Youth Center, former police headquarters.)

Summary of Change in Municipal Electricity Consumption, excluding Water Treatment Facility



This decrease is equivalent to the electricity used by 51 homes during this same period!

**The amount of electricity saved EACH DAY equals the electricity used by 5 commercial
fluorescent lights in ONE YEAR.**



The decrease in CO2 emissions is equal to the CO2 emissions of 12 cars.

Source: Energy Information System

Note: This data includes all municipal buildings EXCEPT for the water treatment facility.

(Does not include School Department buildings or buildings under construction:

Healy Public Safety, West Cambridge Youth Center, former police headquarters.)

Municipal Electricity Consumption by Category

Electricity Usage Oct - Dec FY08 and FY09

Usage (kWh)	2008	2009	Change in Usage	% Change	Avoided Costs (\$)	Annualized Costs (\$)
Complex	126,250	111,131	-15,119	-12%	-\$2,268	-\$9,071
Fire Station	107,342	94,484	-12,858	-12%	-\$1,929	-\$7,715
Garage	180,816	177,884	-2,932	-2%	-\$440	-\$1,759
Library	39,760	41,089	1,329	3%	\$199	\$797
Office Building	638,024	555,735	-82,289	-13%	-\$12,343	-\$49,373
Recreational Center	332,396	300,689	-31,707	-10%	-\$4,756	-\$19,024
Treatment Plant	2,166,240	2,091,600	-74,640	-3%	-\$8,957	-\$35,827
Grand Total	3,590,828	3,372,612	-218,216	-6.08%	-\$30,493	-\$121,973

Municipal Electricity Consumption by Building

Electricity Usage Oct-Dec FY07-FY09

Usage (kWh)	2007	2008	2009	Change	%
				08-09	Change
Complex	123,675	126,250	111,131	-15,119	-12%
Cemetery Complex (3 Bldgs)	24,362	21,814	24,068	2,254	10%
DPW Complex (3 Bldgs)	99,313	104,436	87,063	-17,373	-17%
Fire Station	94,537	107,342	94,484	-12,858	-12%
Engine 2	17,172	17,564	14,517	-3,047	-17%
Engine 3	22,640	30,560	25,600	-4,960	-16%
Engine 4	9,680	11,080	9,160	-1,920	-17%
Engine 5	10,440	11,092	13,601	2,509	23%
Engine 6	7,538	8,067	6,764	-1,303	-16%
Engine 8	21,360	22,800	18,840	-3,960	-17%
Engine 9	5,707	6,179	6,002	-177	-3%
Garage	185,962	180,816	177,884	-2,932	-2%
E. Cambridge Parking Garage	135,840	126,440	127,643	1,203	1%
Electrical Dept. Garage	7,631	10,503	8,017	-2,486	-24%
Green Street Garage	36,800	38,400	37,000	-1,400	-4%
Police Maintenance Garage	5,691	5,473	5,224	-249	-5%
Library	47,402	39,760	41,089	1,329	3%
Central Sq. Branch	14,640	16,080	14,640	-1,440	-9%
Heritage Branch	4,447	4,245	3,650	-595	-14%
Mt. Auburn Branch	3,552	3,298	2,601	-697	-21%
No. Camb. Branch	8,634	2,436	7,316	4,880	200%
Observatory Branch	6,345	4,699	4,400	-299	-6%
Valente Branch	9,784	9,002	8,482	-520	-6%
Office Building	546,059	638,024	555,735	-82,289	-13%
City Hall	190,080	192,732	167,352	-25,380	-13%
City Hall Annex (McCusker Bldg)	123,640	148,920	122,520	-26,400	-18%
Coffon Building	72,960	69,520	65,120	-4,400	-6%
Danehy Park Comfort Station	10,139	17,242	15,404	-1,838	-11%
Emergency 911	57,416	95,950	92,827	-3,123	-3%
Fire Headquarters	20,602	22,747	17,986	-4,761	-21%
Lombardi Building	63,150	78,990	68,070	-10,920	-14%
Traffic Meter and Maintenance Shop	8,072	11,923	6,456	-5,467	-46%
Recreational Center	315,884	332,396	300,689	-31,707	-10%
Area IV Youth Center	39,840	56,480	44,720	-11,760	-21%
Frisoli Youth Center	49,520	61,520	61,760	240	0%
Gately Youth Center	20,626	24,607	21,097	-3,510	-14%
Gold Star Pool	3,574	2,076	1,643	-433	-21%
Golf Course Clubhouse	21,530	32,414	23,912	-8,502	-26%
Golf Course Maintenance Building	4,701	5,268	7,143	1,875	36%
Moore Youth Center	14,319	11,820	12,621	801	7%
North Cambridge Senior Center	5,114	3,259	2,657	-602	-18%
Senior Center	156,660	134,952	125,136	-9,816	-7%
Grand Total	1,313,519	1,424,588	1,281,012	-143,576	-10%

Electricity Consumption: Former Police Headquarters

Electricity Usage and Cost Oct - Dec FY08 and FY09 5 Western Ave.

	2008	2009	Change	%
	Usage (kWh)	Usage (kWh)	in Usage	Change
Police Station	113,280	95,280	-18,000	-16%
Police HQ	113,280	95,280	-18,000	-16%
4	39,760	34,480	-5,280	-13%
5	37,840	34,880	-2,960	-8%
6	35,680	25,920	-9,760	-27%