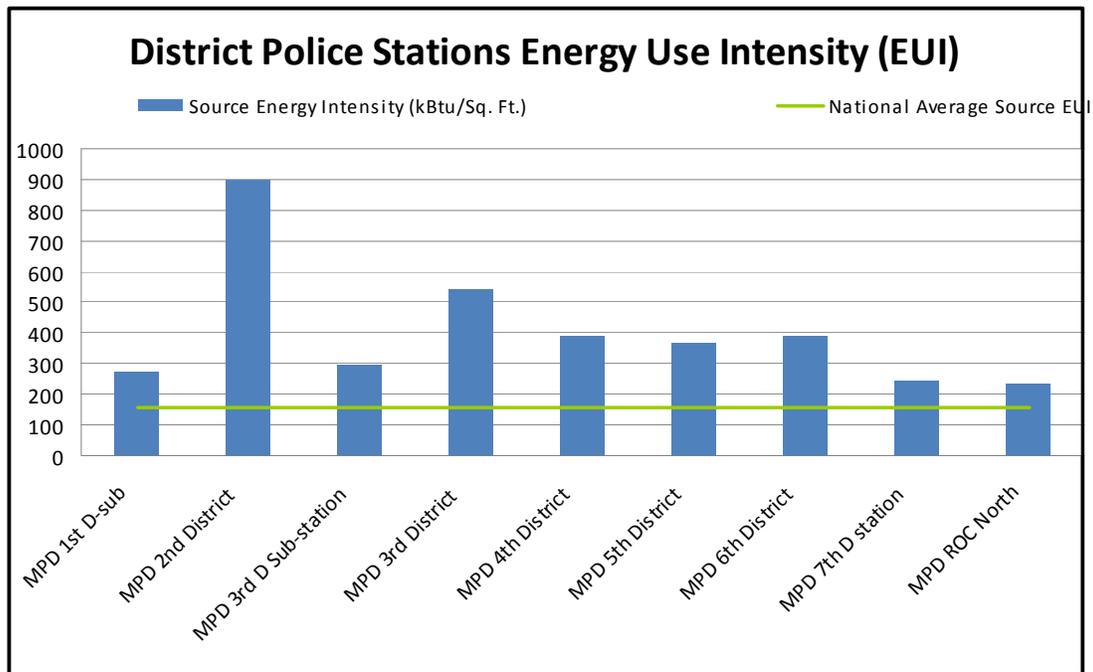


Police Stations

Nine police buildings were benchmarked for FY 2009 using Portfolio Manager. Energy rating scores of 0 to 100 are not available for police stations, but Portfolio Manager provides Energy Use Intensity (EUI) data that captures average energy use intensity per square foot in kBtu/sq ft*. The EUI can be compared to a national average based on building type, size, and a limited number of other physical building characteristics.



District Police Facility	Weather Normalized, Source Energy Use Intensity (EUI) (kBtu/sq ft*)	Total Floor Space (sq ft.)	Total GHG Emissions (MtCO2e)	Site Electric Use (kWh)	Site Natural Gas Use (therms)	Energy Cost US \$ (per sq ft)
MPD 1st District Sub Station	273	10,017	131	198,880	5,168	\$3.67
MPD 2nd District Station	900	36,852	1,520	2,759,502	16,199	\$4.62
MPD 3rd District Sub Station	297	13,793	194	238,400	13,228	\$3.76
MPD 3rd District Station	544	38,852	972	1,708,800	15,713	\$3.90
MPD 4th District Station	393	45,013	817	1,386,300	18,132	\$4.27
MPD 5th District Station	370	36,888	635	1,045,920	16,360	\$4.00
MPD 6th District Station	391	37,935	692	1,035,040	28,828	\$4.52
MPD 7th District Station	248	43,190	492	868,050	7,705	\$2.69
MPD ROC North	237	41,300	476	597,300	31,042	\$3.18

Benchmarking results for FY 2009 indicate extremely high energy use intensity in District police stations. The average EUI in police stations nationwide is 157 kBtu/sq ft, while the average in District police stations is 406 kBtu/sq ft – more than 2.5 times the national average.

The Metropolitan Police Department (MPD) 2nd District headquarters showed the highest energy use at 899.4 kBtu/ sq ft – almost six times the national average. This facility is an older facility with inefficient lighting systems and no motion detection systems in the offices or meeting rooms. Heating, ventilation, and air conditioning (HVAC) systems are not maintained and work poorly. The MPD 7th District Station and MPD Regional Operations Command (ROC) North (now known as Patrol Services Security Bureau (PSSB)), use energy at closest to the national average, at just under 250 kBtu/sq ft.

Like many District buildings, police stations have gone through several generations of use and alterations, and many basic improvements and updates have been deferred. (Police stations in the District may also have a different or more high-intensity use than stations in other parts of the country.) In FY 2011 the District will conduct energy audits to help identify problem areas and opportunities for improvement. Police stations are a high priority target group for energy and building retrofits pending funding availability.

* kBtu/sf represents 1,000 British thermal units per square foot, and is a standard conversion measure for various types of energy such as electricity and natural gas that may need to be compared or considered together.