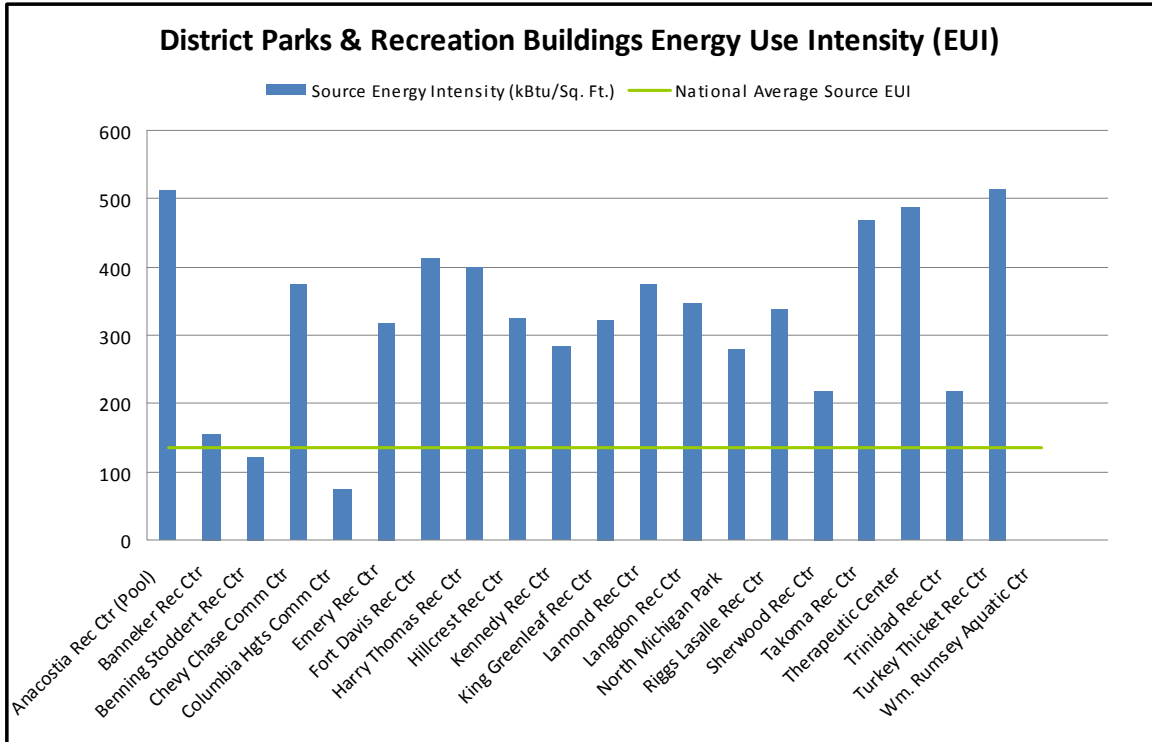


Parks and Recreation Buildings

Twenty-one parks and recreation buildings were benchmarked for FY 2009 using Portfolio Manager. Energy rating scores of 0 to 100 are not available for parks and recreation buildings, 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. A listing of “na” indicates data that is unavailable or incomplete.



Benchmarking results for FY 2009 show that the District’s parks and recreation buildings use about 2.5 times more energy than similar facilities nationwide. The EUI average for parks and recreation facilities nationwide is 136 kBTU/sq ft. The average EUI for District facilities is 341 kBTU/sq ft. The Anacostia Recreation Center, with an EUI of 511 kBTU/sq ft; the Turkey Thicket Recreation Center, with an EUI of 514 kBTU/sq ft; the Therapeutic Center with an EUI of 487 kBTU/sq ft; and the Takoma Recreation Center with an EUI of 470 kBTU/sq ft are the highest energy users among the 21 facilities benchmarked in FY 2009. The Columbia Heights Community Center has the lowest EUI of 74 kBTU/sq ft, followed by the Benning Stoddert Recreation Center with an EUI of 121 kBTU/sq ft and the Banneker Recreation Center with an EUI of 157 kBTU/sq ft. These good results reflect recent renovations with energy efficiency improvements in those buildings.

District Parks and Recreation 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)
Anacostia Rec Ctr	511	11,643	273	385,691	13,651	\$7.67
Banneker Rec Ctr	157	12,400	93	108,599	6,933	\$1.99
Benning Stoddert Rec Ctr	121	12,180	65	1,423	12,102	\$1.77
Chevy Chase Comm Ctr	374	13,947	234	246,092	20,006	\$4.95
Columbia Hgts Comm Ctr	74	47,395	156	22,726	27,066	\$0.81
Emery Rec Ctr	318	20,230	291	316,103	23,870	\$3.88
Fort Davis Rec Ctr	413	13,555	255	490,855	na	\$3.74
Harry Thomas Rec Ctr	398	10,000	183	350,450	na	\$3.00
Hillcrest Rec Ctr	325	21,003	288	552,511	na	\$3.65
Kennedy Rec Ctr	284	17,500	226	333,481	9,947	\$3.33
King Greenleaf Rec Ctr	323	28,890	425	754,527	6,156	\$3.58
Lamond Rec Ctr	374	14,738	250	421,208	5,866	\$3.12
Langdon Rec Ctr	348	22,206	353	560,791	11,529	\$3.88
North Michigan Park	281	15,224	193	249,605	11,866	\$3.44
Riggs Lasalle Rec Ctr	338	15,000	229	326,427	11,234	\$3.82
Sherwood Rec Ctr	220	22,000	290	354,408	7,776	\$2.55
Takoma Rec Ctr	470	43,900	944	1,124,766	67,576	\$5.89
Therapeutic Ctr	487	28,861	657	963,426	29,366	\$4.96
Trinidad Rec Ctr	218	20,600	204	309,770	8,045	\$2.83
Turkey Thicket Rec Ctr	514	30,000	702	1,351,835	na	\$5.23
Wm. Rumsey Aquatic Ctr	na	19,600	na	na	na	\$6.18

Like many District buildings, parks and recreation facilities as well as community centers are often repurposed buildings and have gone through several generations of use and alterations. Many basic improvements and updates have been deferred. In FY2011 the District will conduct energy audits to help identify problem areas and opportunities for improvement.

* 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.