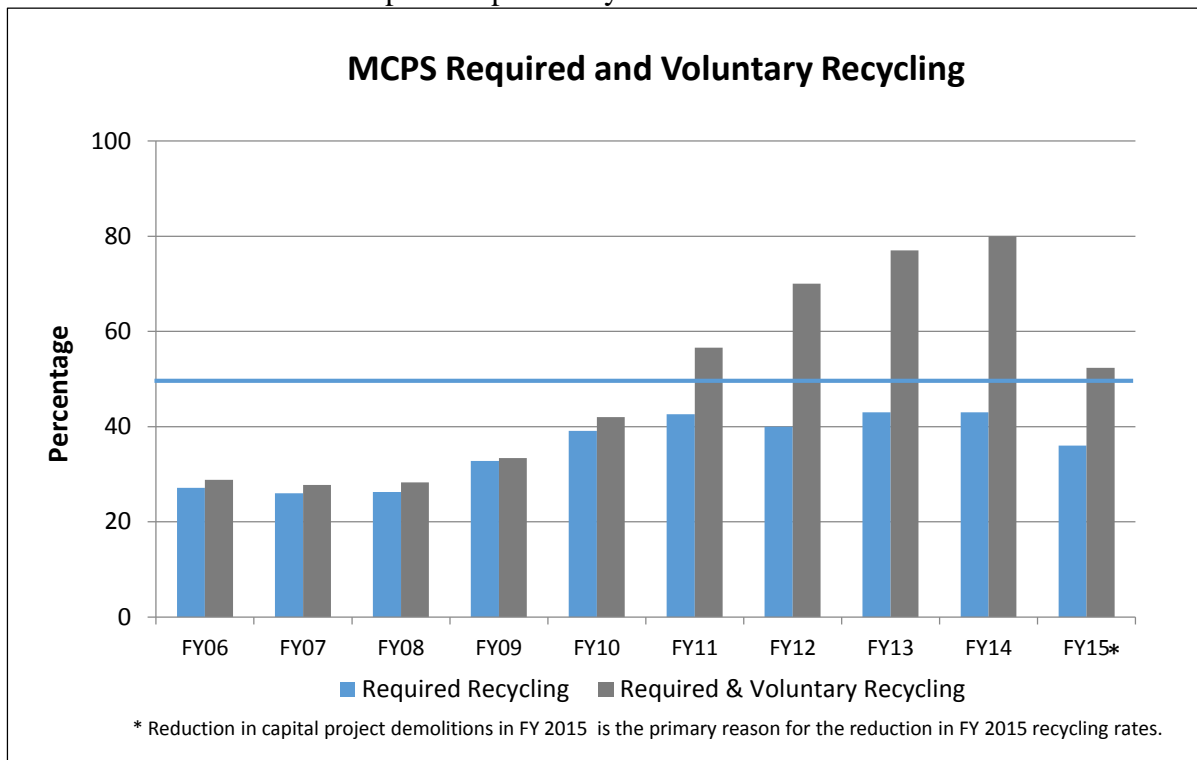


# Environmental Sustainability Measures

## 1. Waste Recycled—Required and Voluntary

MCPS has made a major commitment to recycling all components of its solid waste stream and tracking the performance of these efforts. Montgomery County requires the recycling of four categories of material: paper/cardboard, bottles/cans, yard waste, and scrap metal. In addition, MCPS recycles more than 20 different items from small items such as a drink pouch to major construction debris. These additional materials are measured under the “voluntary” category of which the vast majority of the weight is construction debris. In FY 2015, 52 percent of the waste stream produced by MCPS was recycled including both the required category and the voluntary category. This decrease from FY 2014 is largely the result of a reduction in capital project demolitions in FY 2015 as compared to previous years.

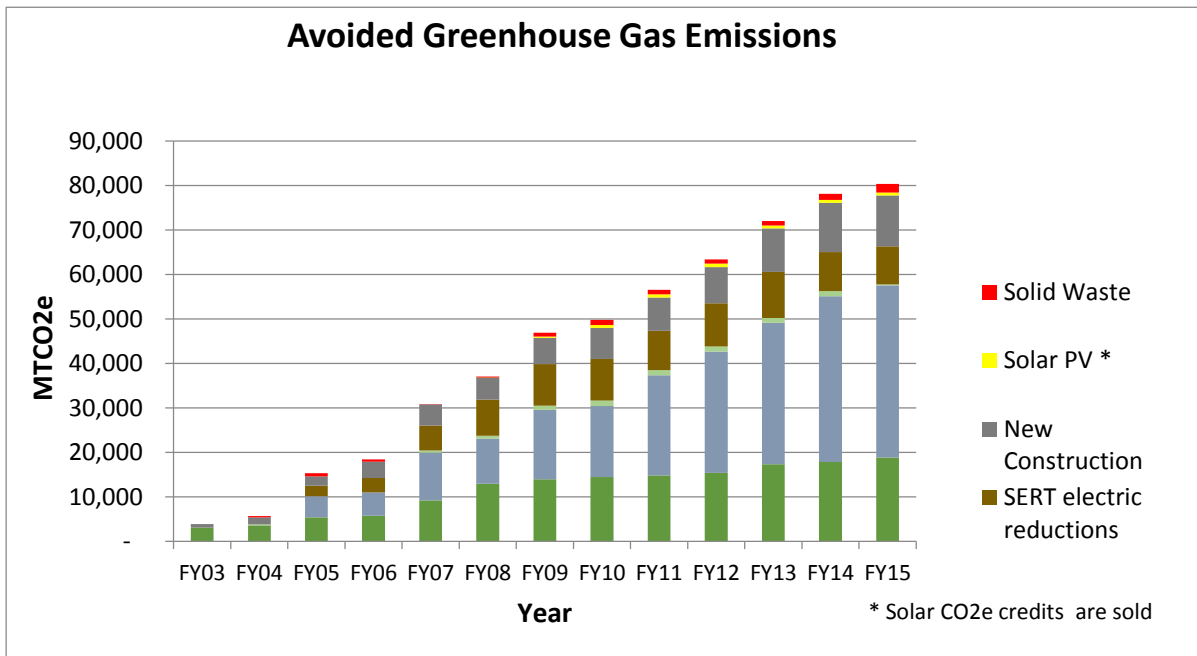




## 2. Avoided Greenhouse Gas Emissions

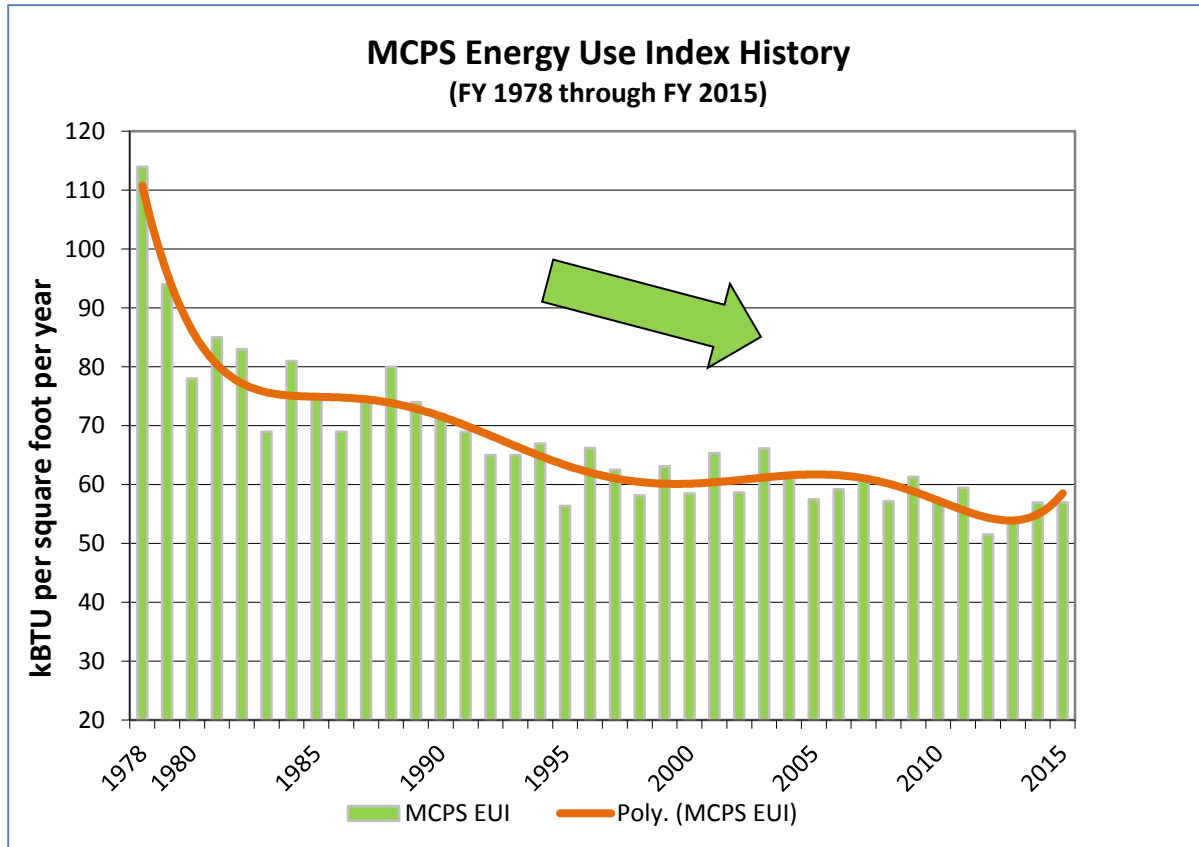
Greenhouse gas emissions are reduced through a variety of sustainability programs and investments. This performance measure tracks these reductions in five categories: energy retrofits, wind energy purchases, recycling, School Energy and Recycling Program reductions, and energy efficiency improvements through the construction program. Since 2003, MCPS has reduced greenhouse gas emissions by over 70,000 metric tons of carbon dioxide equivalent or MTCO<sub>2</sub>e. This represents a 28 percent reduction in the MCPS carbon footprint since 2003.

	FY13	FY14	FY15
Energy Retrofit	17,373	17,881	18,882
Wind Energy Purchase	31,737	37,227	38,664
Recycling	1,073	1,120	199
SERT electric reductions	10,351	8,807	8,600
New Construction	9,796	11,035	11,396
Solid Waste	968	1,383	1,918
Solar PV *	699	688	656
	70,330	78,141	79,658



### 3. Building Energy Use Index—Energy Use per Square

The building energy use index (EUI) shows how efficiently a building uses energy. The EUI is the industry standard for tracking building energy consumption. Building energy consumption also is significantly affected by sustained periods of abnormal temperatures. The expected performance for FY 2016 is in the low to mid 50s kBTU per square foot which represents very efficient use of energy in our schools and high-energy performance for building systems. Since 2003, there has been a 12 percent reduction in energy consumption in MCPS.



#### 4. Water Consumption—Gallons per Square Foot

The unit price for water has increased over the past decade more than all other utilities at approximately 8 percent per year. This trend is expected to continue and will result in water cost surpassing natural gas cost as the second highest category of expenditures for utilities. Therefore, reducing water consumption is an important strategy for containing the cost of utilities.

