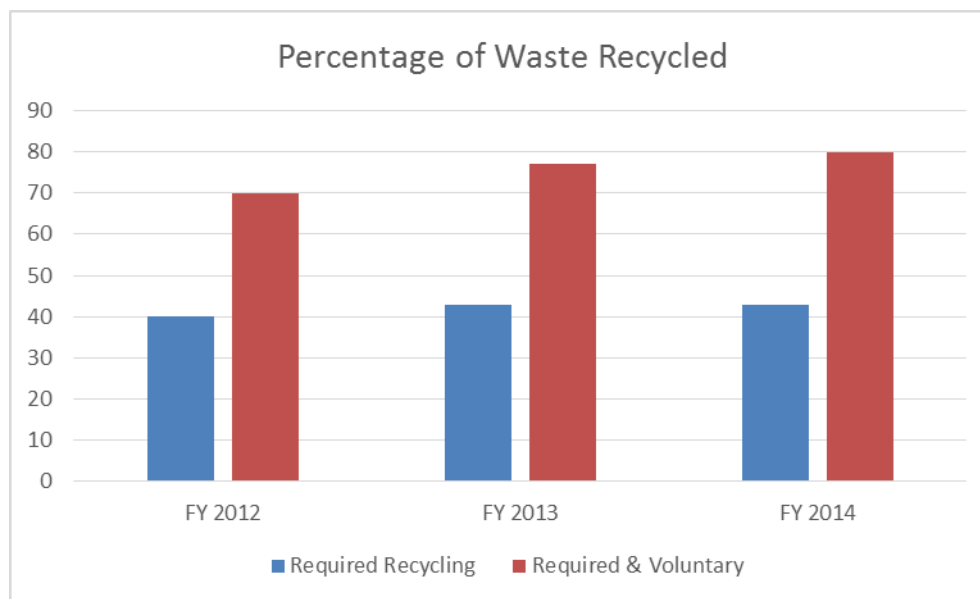


Environmental Sustainability Measures

1. Percentage of waste recycled, required and voluntary

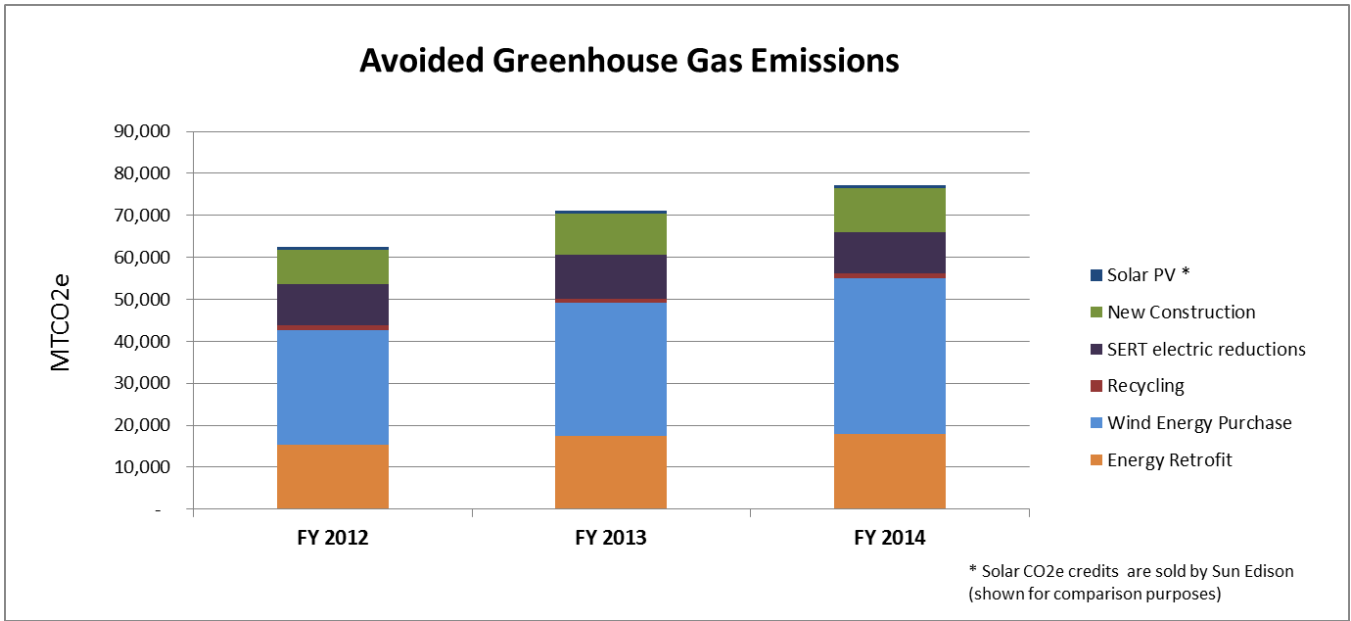
MCPS has made a major commitment to recycling all components of its solid waste stream and tracking the performance of these efforts. Montgomery County requires the recycling of four categories of material: paper/cardboard, bottles/cans, yard waste, and scrap metal. In addition, MCPS recycles more than 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 2014, 80 percent of the waste stream produced by MCPS was recycled including both the required category and the voluntary category. The percentage of the waste stream recycled has increased significantly over the past decade.



2. Avoided greenhouse emissions

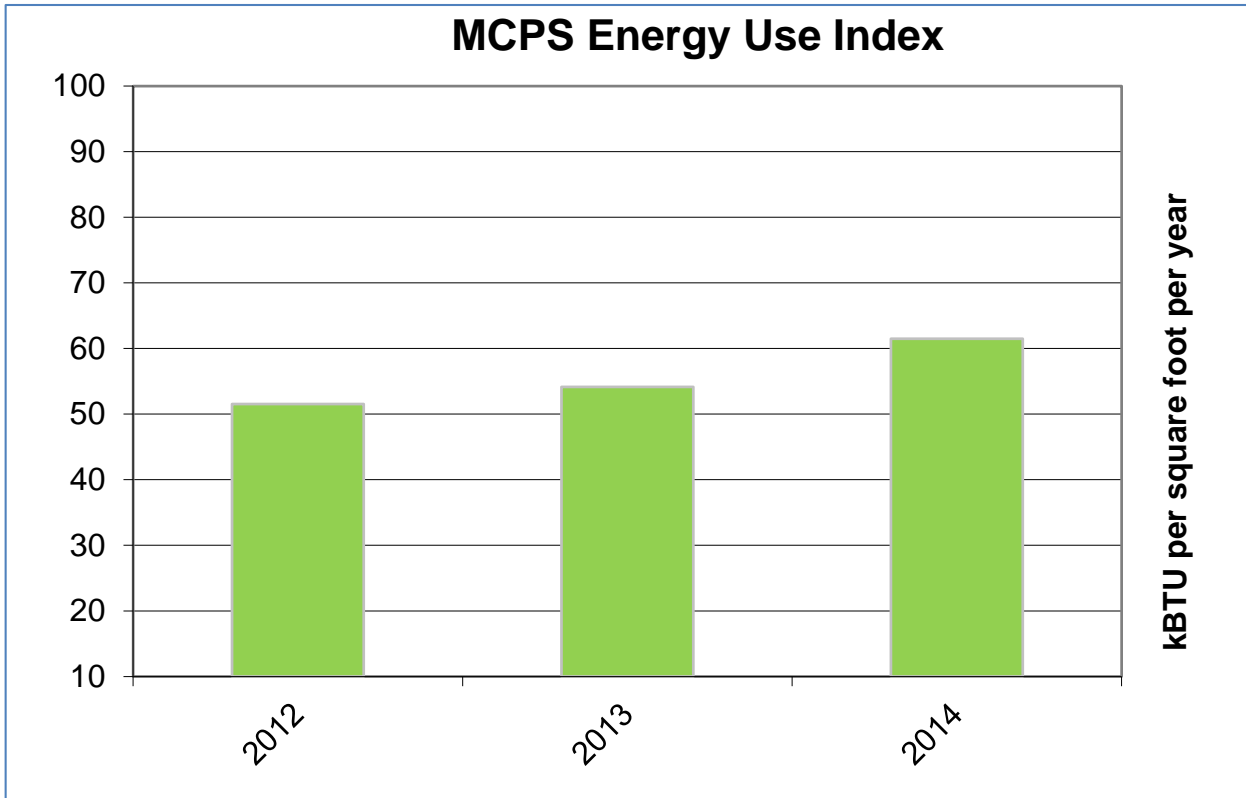
Greenhouse gas emissions are reduced through a variety of sustainability programs and investments. This performance measure tracks these reductions in five categories: energy retrofits, wind energy purchases, recycling, School Energy and Recycling Program reductions, and energy efficiency improvements through the construction program. Since 2003, MCPS has reduced greenhouse gas emissions by over 70,000 metric tons of carbon dioxide equivalent or MTCO_{2e}. This represents a 28 percent reduction in the MCPS carbon footprint since 2003. Solar photovoltaic (PV) and recycling represents less than three percent reduction of the overall MTCO_{2e} reduction in FY14. The renewal energy credits from the solar PV are owned by a third party and are only displayed to show the amount relative to other programs that contribute to greenhouse gas emissions.

	FY 2012	FY 2013	FY 2014	
Energy Retrofit	15,374	17,373	17,881	
Wind Energy Purchase	27,314	31,737	37,162	
Recycling	1,089	1,073	1,100	(projected)
SERT electric reductions	9,767	10,351	9,767	(projected)
New Construction	8,134	9,796	10,472	
Solar PV *	747	699	699	
	61,678	70,330	76,939	



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 is also significantly affected by sustained periods of abnormal temperatures. FY 2012 had an abnormally warm winter, and FY 2014 had an abnormally cold winter. The expected performance for FY 2015 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. MCPS has successfully reduced water consumption by over 25 percent over the past six years despite of significant increase in student enrollment.

