

# Poudre School District BOE Energy Conservation Update February 2013

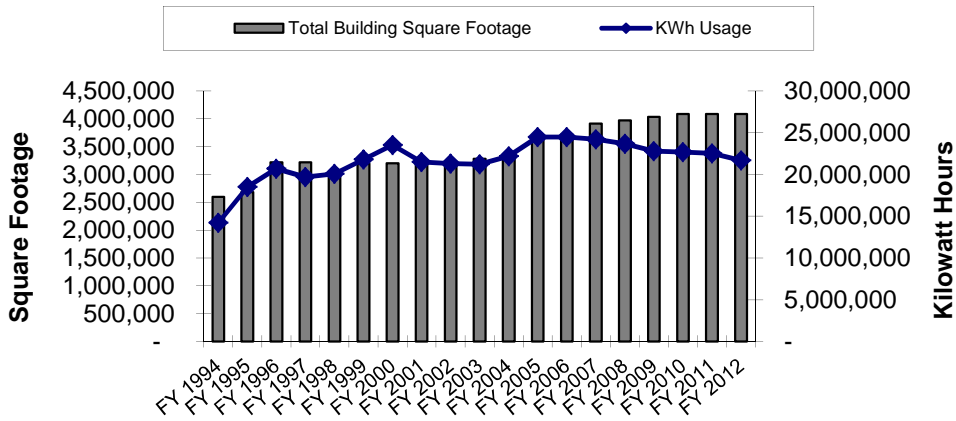
## Summary

PSD began our energy conservation program in 1993-1994. This report reflects our efforts from fiscal year 1994 to fiscal year 2012.

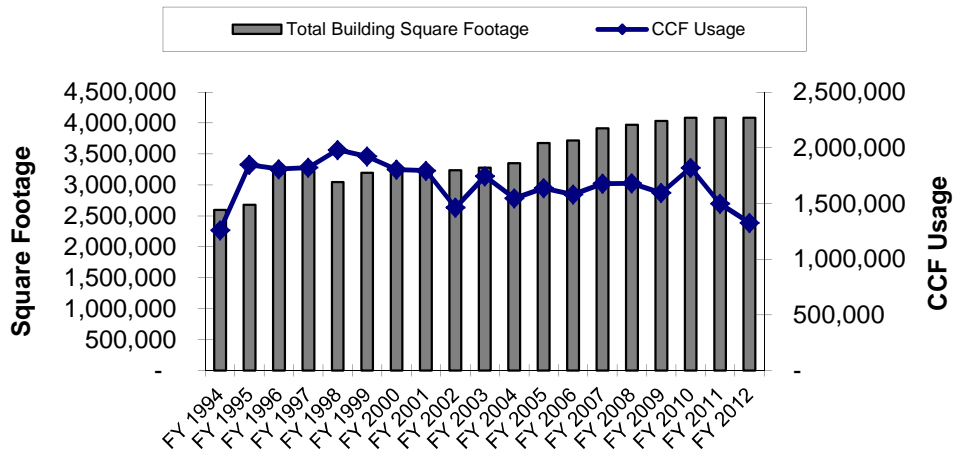
The BOE Energy Conservation Update is intended to demonstrate PSD's continuing dedication and commitment to managing increasing utility costs. The goal of our Energy Efficiency Team is to redirect dollars through energy conservation from utility costs back into PSD's educational mission. This document is also in support of district policy ECF. Following is the summary of our energy conservation program to-date. Specific details of our energy conservation program are included in the PSD BOE Energy Conservation Update Full Report.

- ❑ Have completed **225** energy efficiency projects from **1994 to 2012**.
- ❑ On-going yearly savings from these projects are **\$596,000**. Accumulative savings from **1994 to 2012** are over **\$2,000,000**.
- ❑ HVAC and irrigation procedures have reduced our electric, natural gas, and water costs by approximately **\$500,000** per year.
- ❑ Completed Energy Star benchmarking of all schools and administrative offices. In FY 2012, 40 schools and 4 office buildings that perform in the top 25 percent in the nation and have earned the prestigious Energy Star Label. This brings the total number of PSD Energy Star Labels to 196 since the year 2000.
- ❑ Recycled **835 tons** of office paper, newspaper, cardboard, magazines, aluminum, plastic, glass, scrap metal, organics, and hot composting in **FY 2012**. Recycled **688 tons in FY 2011**.
- ❑ Recycled **378 tons** of carpet, scrap metal, styrofoam, cardboard, porcelain, and wood doors, for bond projects in FY 2012. Also recycled **31,874 tons** of aggregate, concrete, and asphalt.
- ❑ Completed commissioning on major bond projects at 12 schools.
- ❑ Coordinated energy rebate applications on major bond projects.
- ❑ PSD became a partner in the National Better Buildings Challenge.
- ❑ The attached energy, water, and solid waste charts reflect the overall impact of our efforts.

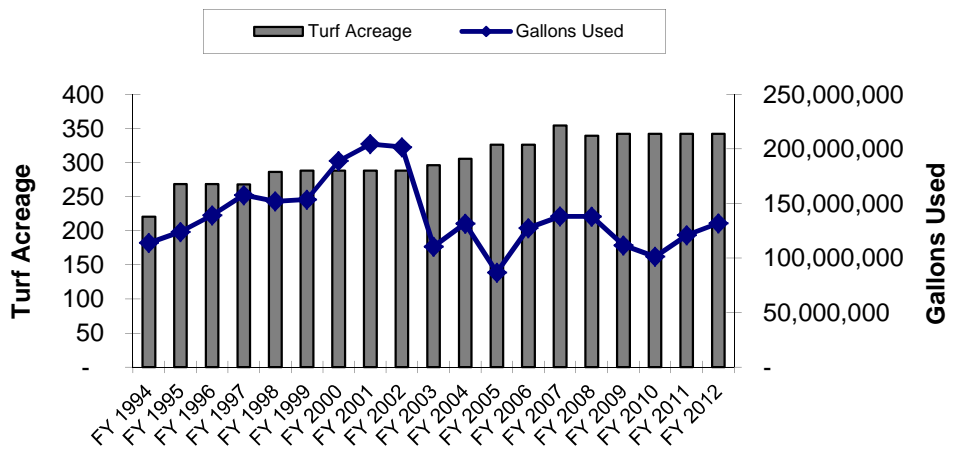
# Poudre School District Statistics



Continuous efforts by both the schools and energy efficiency projects continues to reduce electrical use.

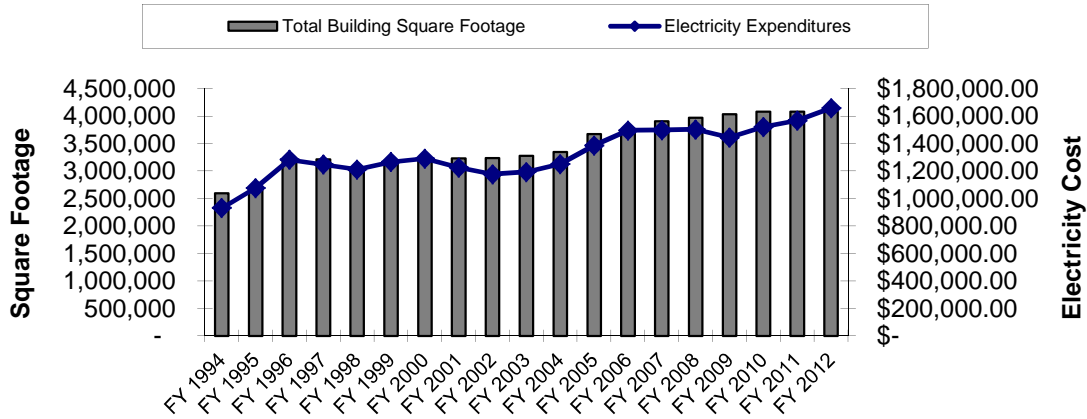


Weather for the 2011-2012 school year was slightly milder than average. HVAC operating procedures continue to reflect improvement.

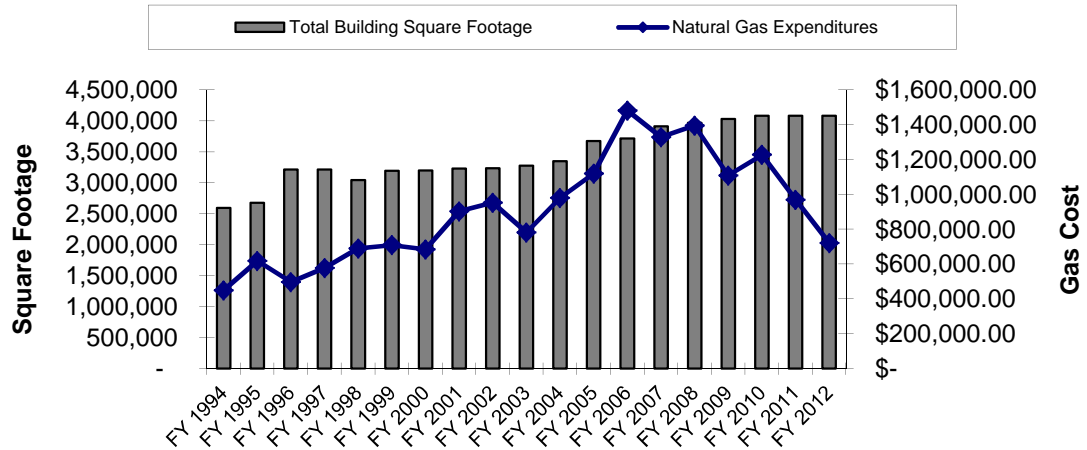


Drought conditions during the irrigation season and landscape infrastructure replacement increased water use.

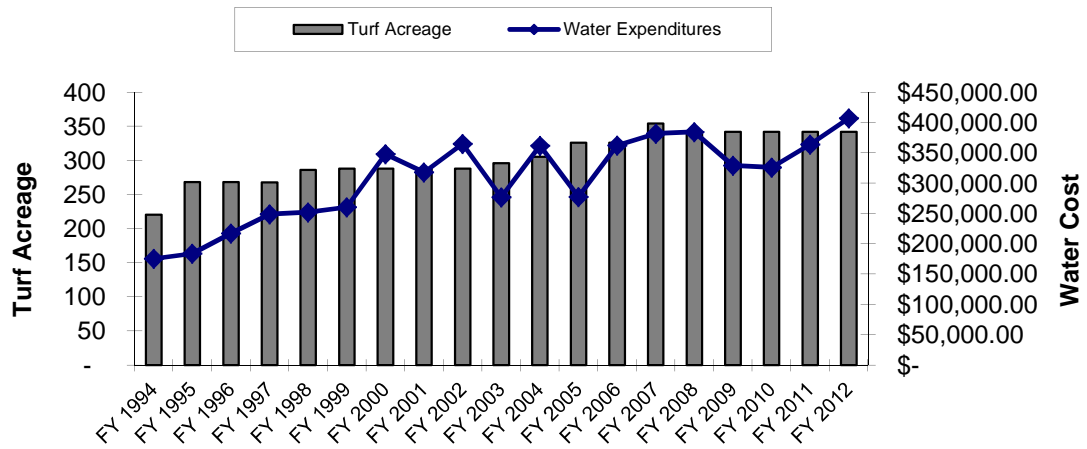
# Poudre School District Statistics



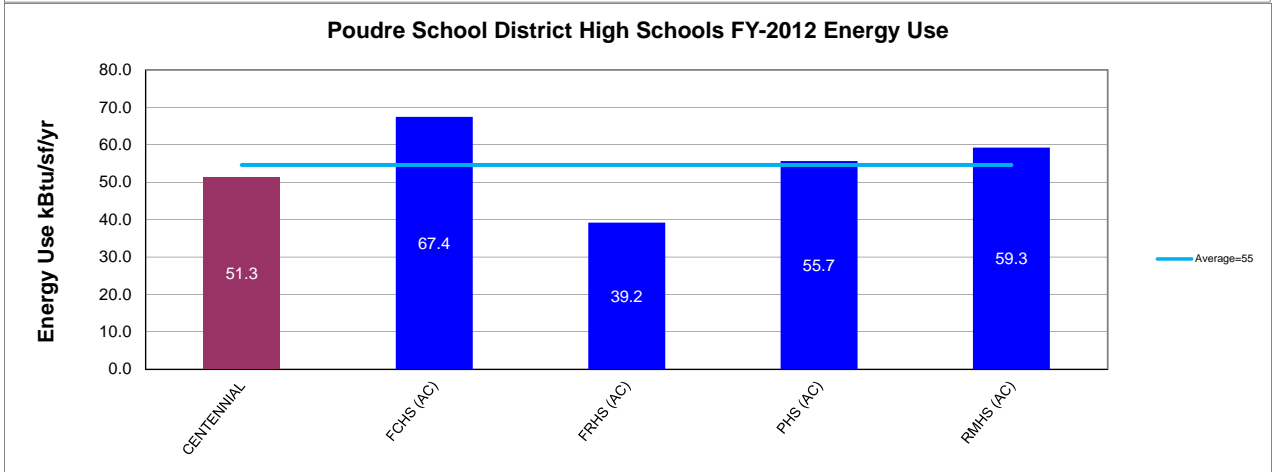
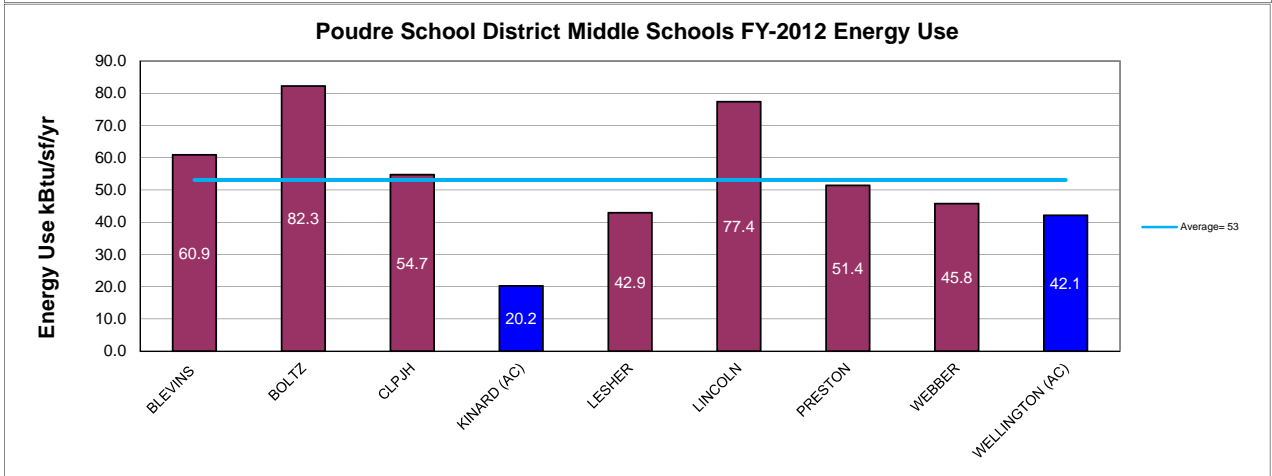
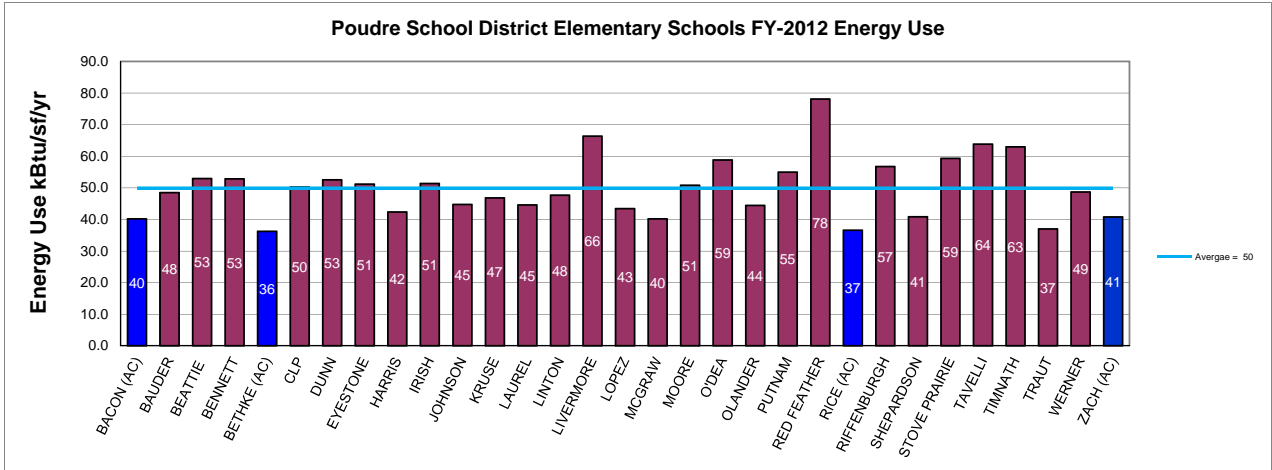
PSD electric rates continue to increase. Continued conservation efforts by our schools and energy efficiency projects help reduce the impact of rate increases.

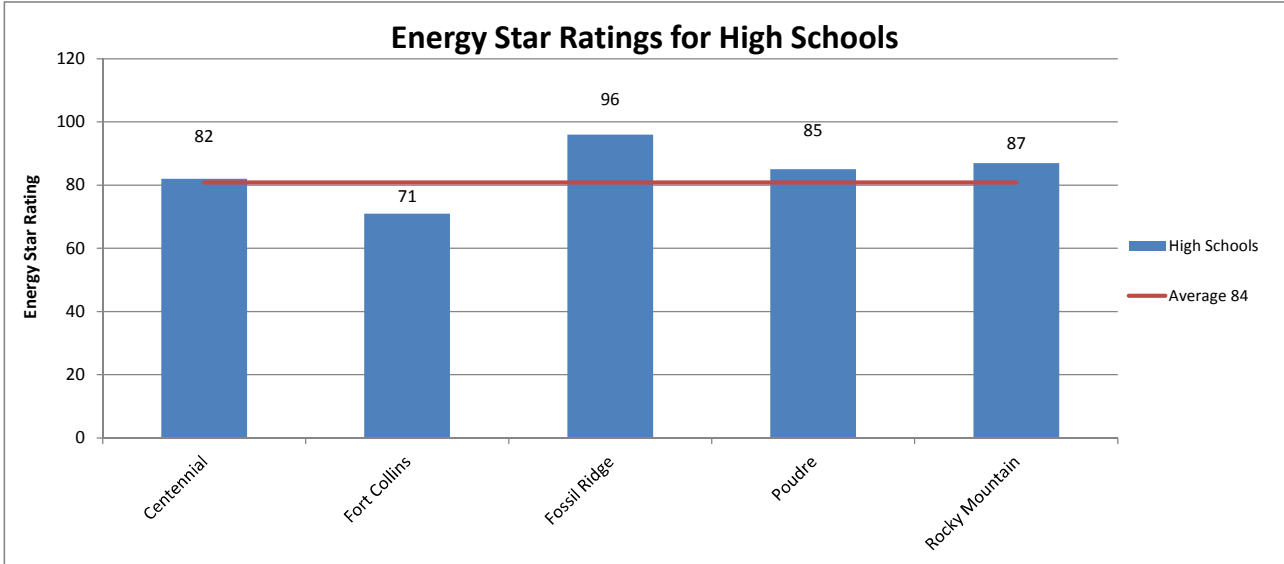
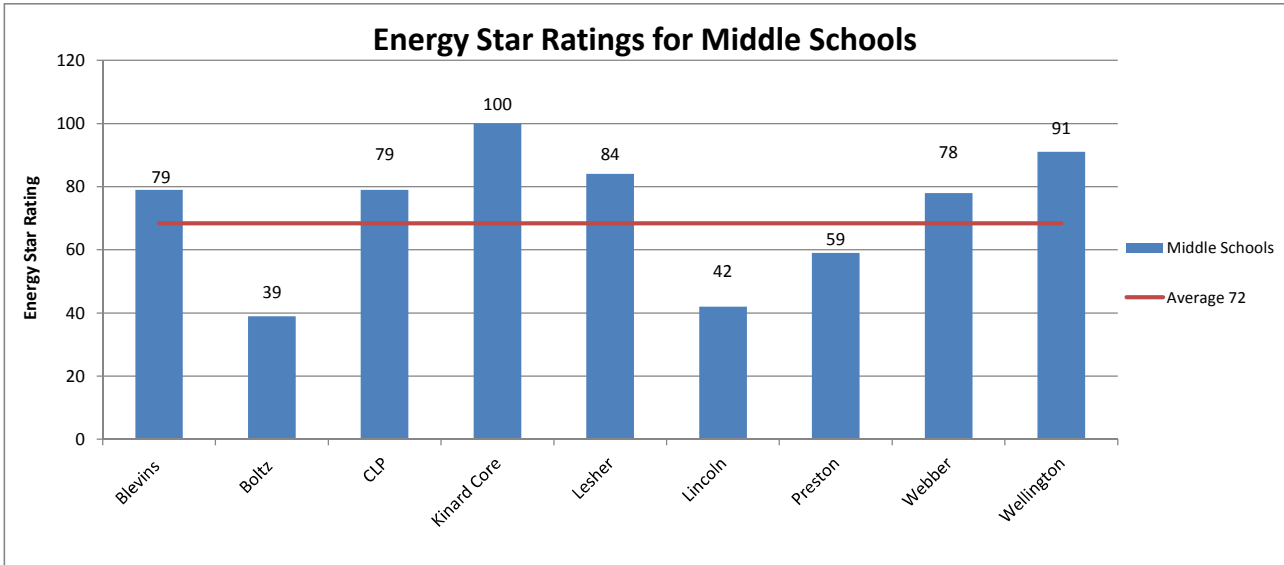
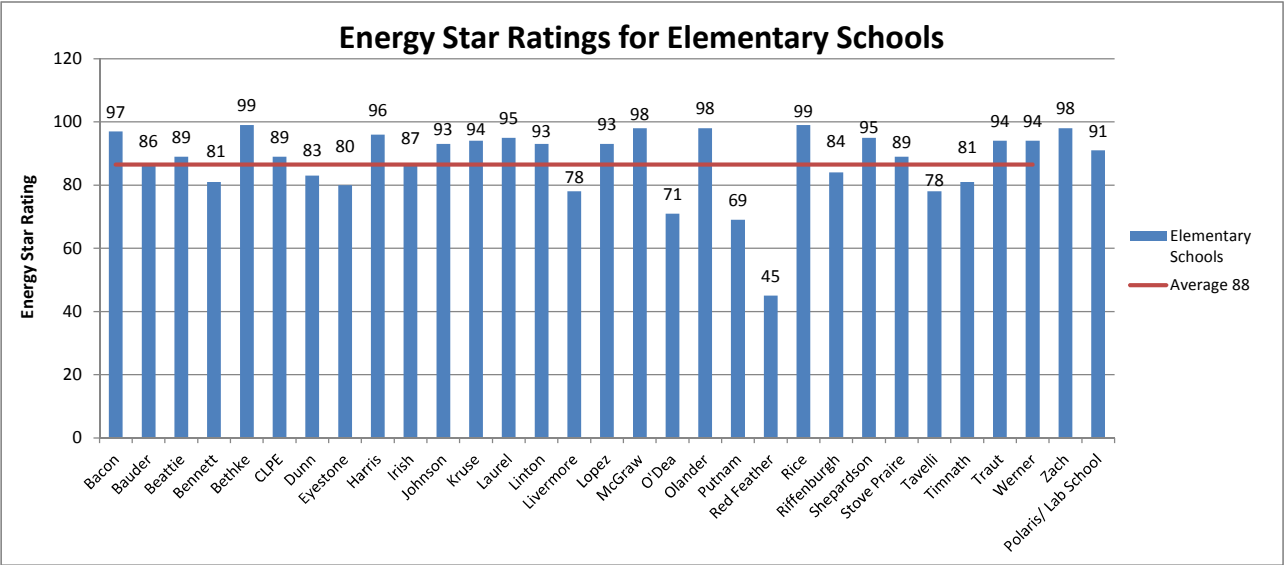


Natural gas rates were lower during the 2011-2012 school year.

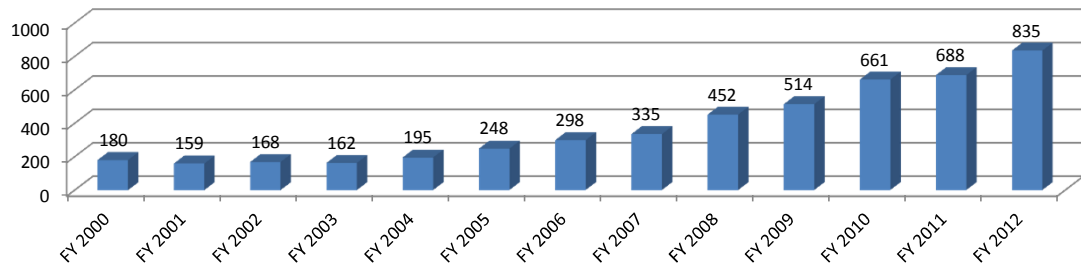


Water rates continue to increase.

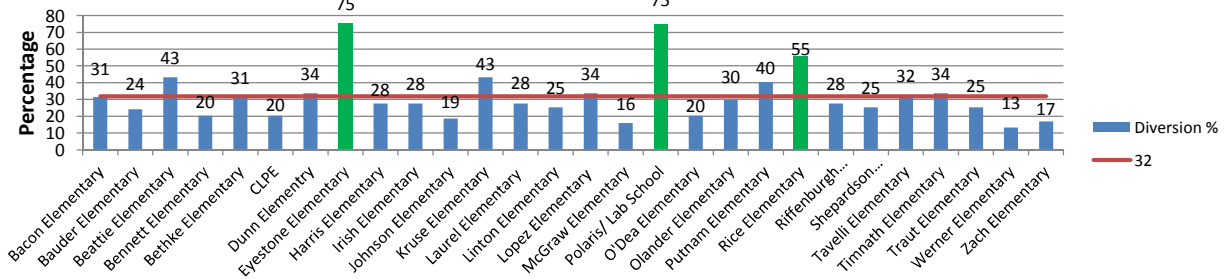




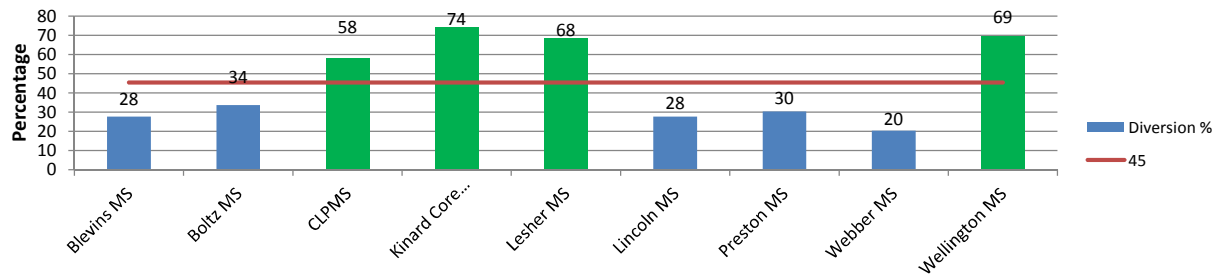
### Tons of Recycling



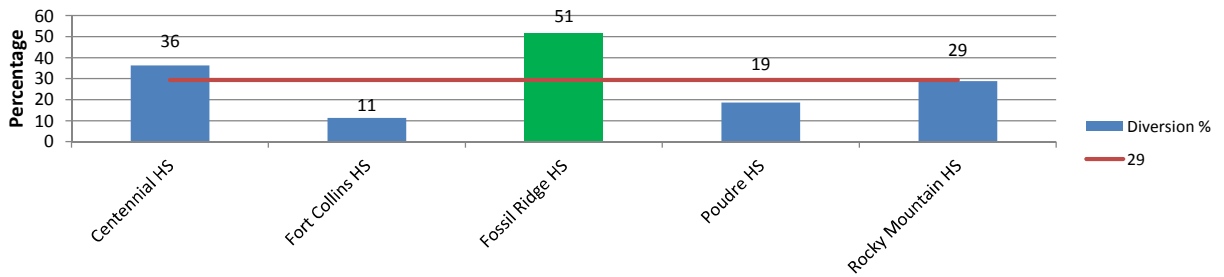
### Diversion Percent for Elementary Schools



### Diversion Percent for Middle Schools



### Diversion Percent for High Schools



GHG 2020 Annual Targets

	Goal	Actual
2005 (baseline)	34,541	34,541
2006	34,031	32,562
2007	33,529	33,631
2008	33,033	33,617
2009	32,546	32,099
2010	32,065	33,241
2011	31,592	31,627
2012	31,125	29,312
2013	30,666	
2014	30,213	
2015	29,767	
2016	29,327	
2017	28,894	
2018	28,468	
2019	28,047	
2020	27,633	

