

Energy Management Program



Greenville County Schools

Energy Management Department



Director Of Energy Management

Bill Knight, P.E.

Energy Managers

Tim Berklich, A.C.E.M.

Ryan Tonnsen, P.E., CEM, L.E.E.D

Logistics: The Free Lunch

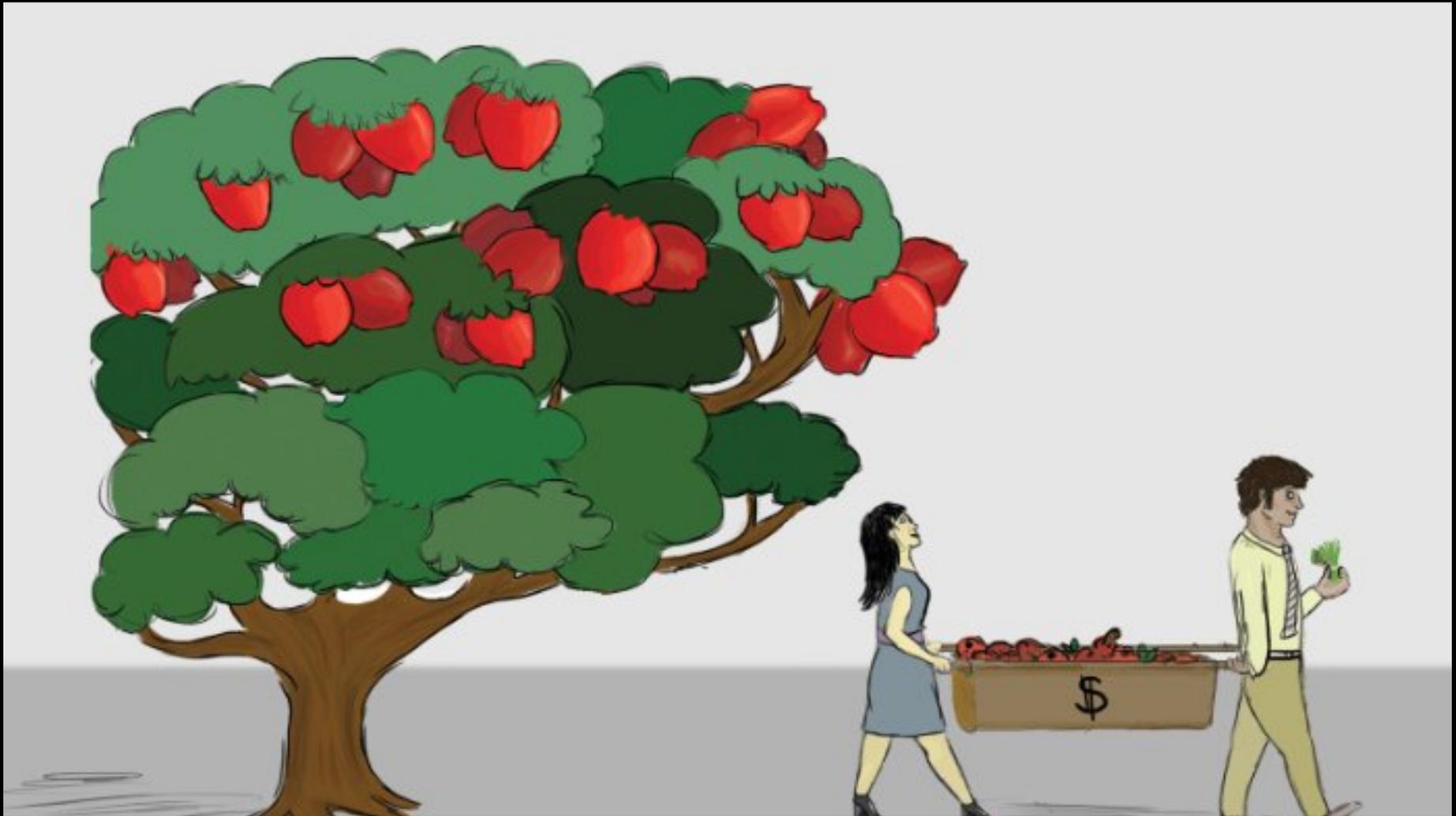




GREENVILLE COUNTY
SCHOOLS

Preparation and Planning

Reaching Higher Fruits



P.D.S.A.



Lotus Diagram



Scheduling	Settings	Hallways and Corridors	Hallways and Corridors	Classrooms / Offices	Commons Areas (Cafeteria)	Electric	Water	Gas
Classrooms / Offices	HVAC	Commons Areas (Cafeteria)	Stadiums	Lighting	Gym	Bills Analysis	Utilities	
Gym								
Lighting	HVAC	Locker Rooms	HVAC	Lighting	Utilities	Evenings	Weekends	Long Breaks / Weekends
Concessions	Athletics	Outbuildings	Athletics	LOGISTICAL PLANNING	Unoccupied Hours	Christmas Break	Unoccupied Hours	Summer Break
			Communication	Training	Process Improvement	Main Buildings	Athletics	Other
Website	Emails	Newsletters	Web Based	Face-To-Face	Maintenance / Custodial	Cleaning	Scheduling	Maintenance
Who? What? When? Where? Why?	Communication	Report Cards	Who? What? When? Where? Why?	Training	Coaches	Faculty & Staff	Process Improvement	Coaches
Annual Principals' Meeting	Energy Committee					After-School Activities		



GREENVILLE COUNTY
SCHOOLS

Examples



GREENVILLE COUNTY
SCHOOLS

Communication

Website



Home

Students & Parents

Employees

Departments

Employment



Watch The Schools Channel on Charter Channel 190 & U-verse Channel 99

Departments

- All Departments
- Academics
- Administration
- Athletics
- Communications
- Ed Technology Services (ETS)
- Energy Management
- Finance
- Food and Nutrition
- General Counsel
- Human Resources
- Information Assurance
- Instructional Technology (IT)
- Operations
- Planning and Demographics
- Student Services
- Transportation
- Maps and Directions

The Essentials

- Schools
- Board of Trustees
- Calendar
- Policies
- Contact Us

Energy Management

Here you will find all you need to know about the Energy Management Department, ongoing energy projects, procedures & recommendations, downloadable forms and news & updates.



About Us

Greenville County Schools, located in beautiful Upstate South Carolina, is a great place to learn, work and live.

Recognized as a school system of excellence, Greenville County Schools was awarded district-wide National Accreditation from the AdvancED Accreditation Commission, recognizing us as a high quality school district with some of the finest schools the review team had ever seen.

Seeking to continuously improve our schools, we have developed and delivered an energy conservation program that has allowed our district to realize significant savings and reduce negative impact on our environment. This program has provided faculty and staff with energy saving methods and ideas that help to change current habits and form new ones. Additionally, this program helps to ensure that we are using our facilities in the most energy conscious manner possible, continuing with the progress that we have already made in conserving energy and reducing costs.

- Energy Management HOME
- Continuous Improvement Projects
- Procedures and Recommendations
- Energy Star
- Contests
- News and Updates
- Downloads

- Schools
- Contacts

Links To Sub-pages



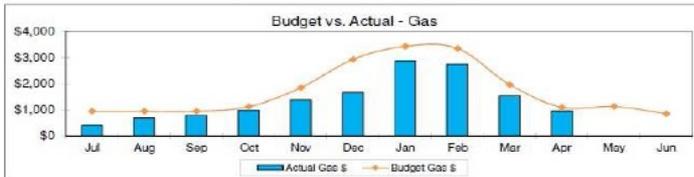
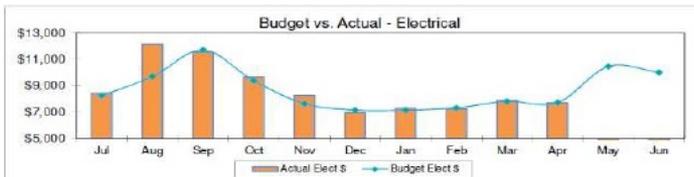
<http://www.greenville.k12.sc.us/Departments/main.asp?titleid=em>

Budget Report Cards



Greenville County Schools
No Name MS

Monthly Energy Report Card April 2016



	Budget Dollars	Year to Date	Projected FY Total	Projected Variance
Electricity	\$104,363	\$87,067	\$107,561	(\$3,198)
Gas	\$20,612	\$14,031	\$16,023	\$4,589
Total	\$124,975	\$101,098	\$123,584	\$1,391

Percent Change Ranking (Cost This Year vs Last Year)	35 of 110	●
Overall Ranking - Energy Use Per Square Foot (kBtu/sf)	18 of 110	●
Ranking by Type (Middle) - Energy Use Per Square Foot (kBtu/sf)	2 of 21	●

Greenville County Schools
No Name MS

Monthly Energy Report Card April 2016

		Monthly Data				
		Actual	Budget	+ / - (vs budget)	+ / - % (vs budget)	% Change (vs same month last year)
Consumption	Electric (kwh)	73,282	78,420	-5138	-6.5%	-7.0%
	Gas (therms)	1,344	1,266	+78	+6.1%	+6%
Cost	Electric	\$7691	\$7728	-\$37	-0.4%	-7.0%
	Gas	\$960	\$1099	-\$139	-12.6%	+12%

		Year-To-Date Data			
		Projected	Budget	+ / - (vs budget)	+ / - % (vs budget)
Consumption	Electric (kwh)	1,060,138	1,059,007	+1131	+0.1%
	Gas (therms)	21,892	23,747	-1855	-7.8%
Cost	Electric	\$107,561	\$104,363	+\$3198	+3.1%
	Gas	\$16,023	\$20,612	-\$4589	-22.3%

Rankings		
	By Type (Middle)	Overall
Energy Use Per Square Foot (Month)	2 of 21	18 of 110
Cost % Change (vs same month last year)	N/A	35 of 110



GREENVILLE COUNTY
SCHOOLS

Utilities

Utility Verification



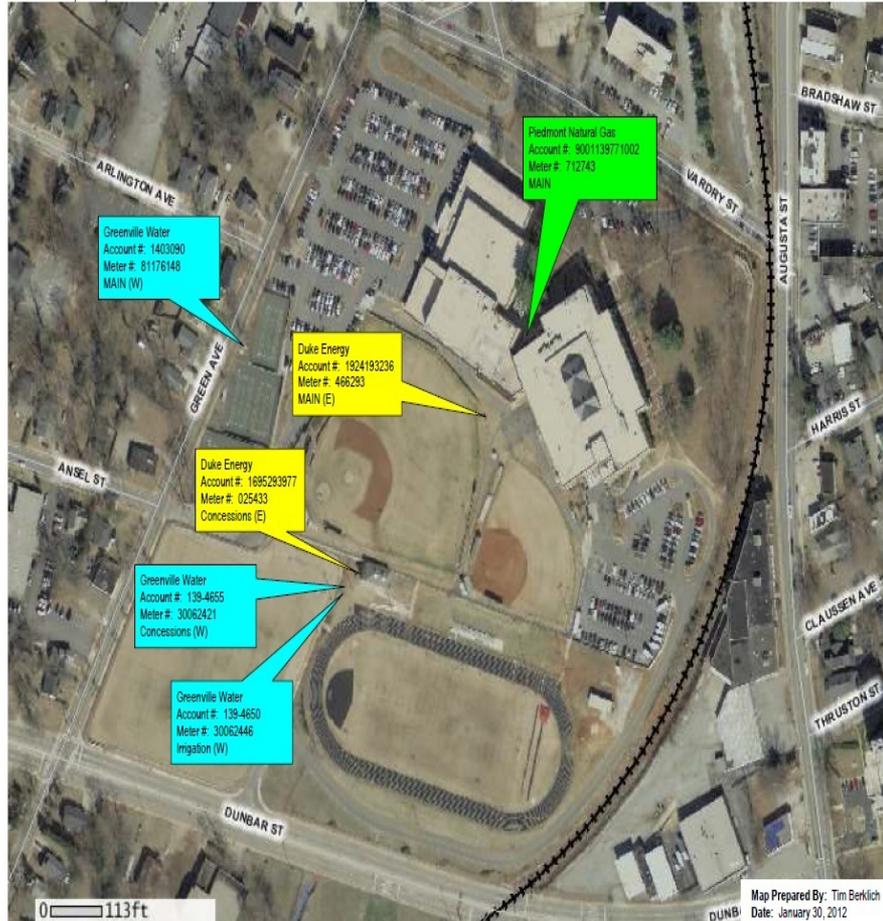
Purpose(s)

Greenville High School

Phone: (864) 355-5500

1 Vardry Street, Greenville, SC 29601

Location Number: 210

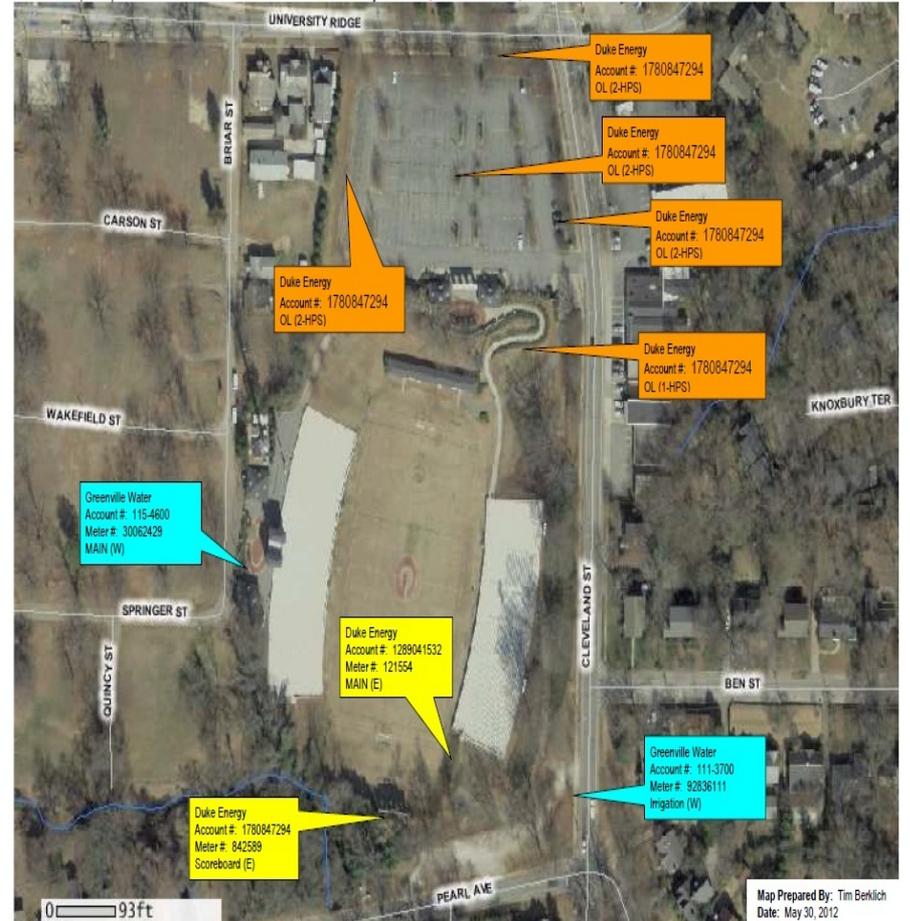


Greenville High School – Sistine Stadium

Phone: (864) 355-5500

1 Vardry Street, Greenville, SC 29601

Location Number: 210





GREENVILLE COUNTY
SCHOOLS

Process Improvement

After-School Consolidation



Mauldin ES
HVAC Zones Map



Energy Management



Questions?