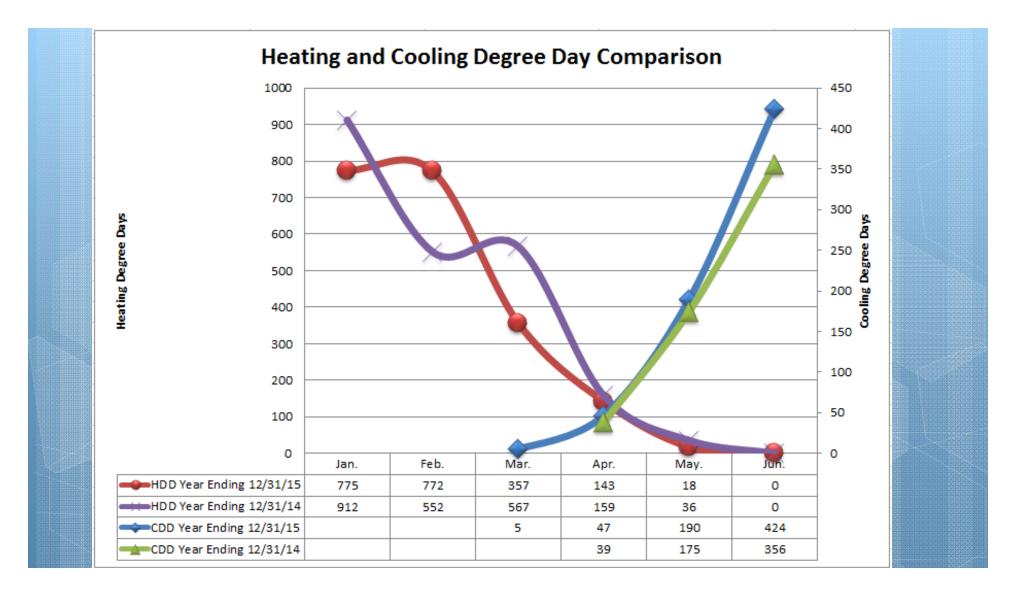
November 23, 2015

### **Rock Hill Schools**

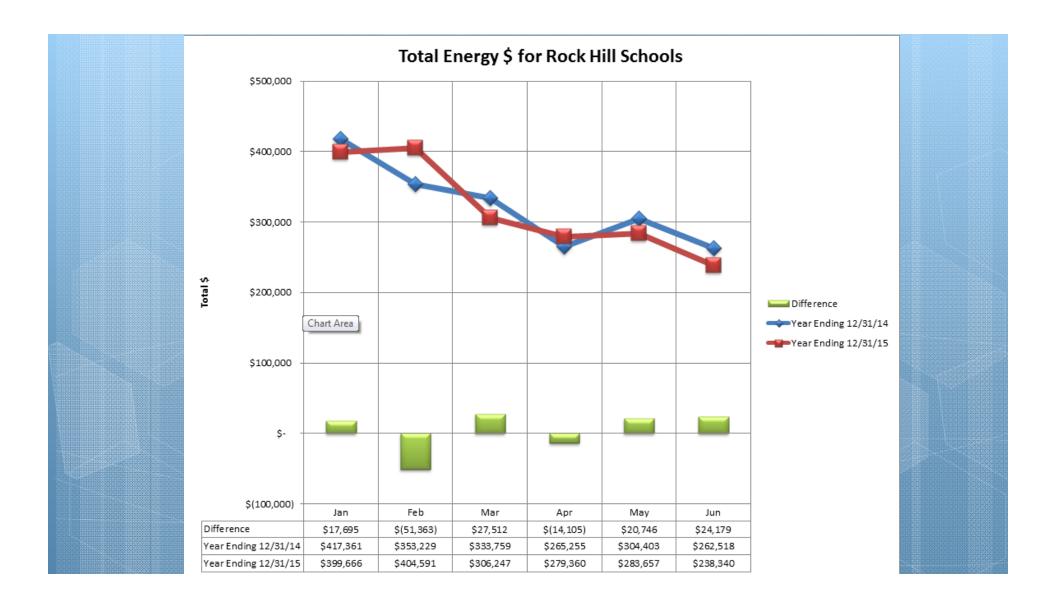
District Energy Update For the period of January 1, 2015 – June 30, 2015

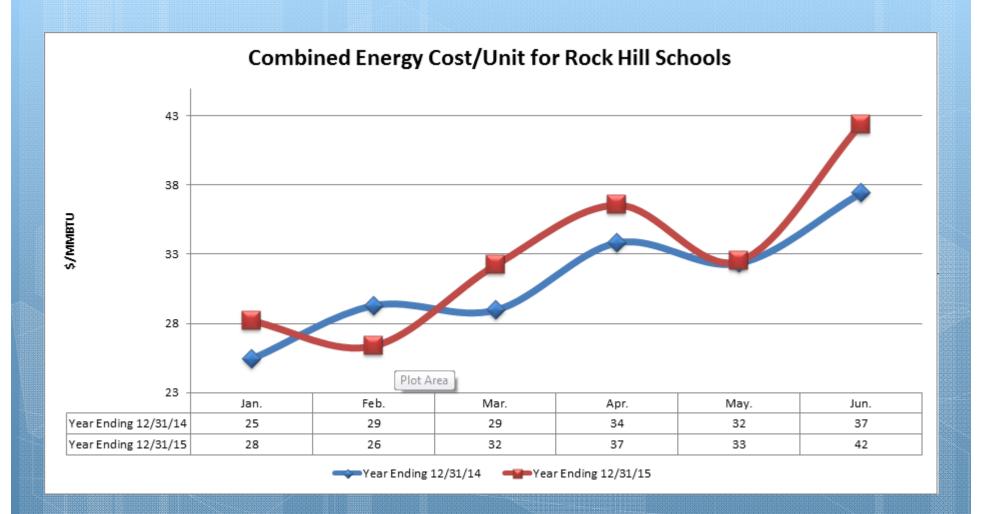
> Kim Melander Energy & Systems Manager





#### Equivalent kBTU for Rock Hill School District





	Rock Hill Schools Energy Ma Energy Savings and Avoida January 1, 2015 through Jun	nce Report				
	Actual Use and Cost for Base Period (1/2009 through 6/2009)					
	Energy Type	Base Use Recorded	Units	Avg Unit Cost	Energy Cost	
Section 1	Electric	17,180,855	kWh	0.1043	\$1,792,325	
	Natural Gas	192,152	Therm	1.2626	\$242,618	
	Total Energy:	77,853,458	kBtu	Total Cost	\$2,034,943	
	Actual Use and Cost With Energy Management Program (1/2015 through					
	Energy Type	Current Use Recorded	<u>Units</u>	<u>Avg Unit Cost</u>		
Section 2	Electric	12,422,408	kWh	0.1406	\$1,746,447	
Coolion 2	Natural Gas	162,298	Therm	1.0192	\$165,413	
	Total Energy:	58,627,479	kBtu	Total Cost	\$1,911,860	
		Energy Saved 2	2014 Compared to	Base Period		
	Energy Type	Base - Current	<u>Units</u>	Percent Saved	<u>Savings</u>	
	Electricity	4,758,447	kWh	28%	\$45,878	
Section 3	Natural Gas	29,854	Therm	16%	\$77,205	
	Total Energy Saved:	19,225,980	kBtu	Gross Savings:	\$123,083	
	Percent Saved:	25%			6%	
	Cost Avoidance - Without Our Energy Program:					
	R.	Rates: B	ase period consumption a	\$576,327		
Section 4			"Load Creep": Additional equipment, operating hours and efficiency lost due to age would cost:		\$48,309	
	Adjustments for weather, bill period differences & other devi Choole Total Cost Avoidan		er, bill period differences & other deviations.	\$373,242		
			Total Cost Avoidance:	\$1,120,960		

# Utilities Budget Update

<u>Budget</u>	<u>YTD</u>	<u>Balance</u>	<u>% Complete</u>	
\$3,700,000	\$759,481	\$2,940,519	21%	

## 2015-2016 Goals

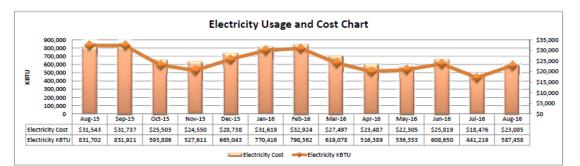
- New energy conservation initiative.
  - Challenge schools to improve purpose
  - Provide monthly energy reporting tool
  - Provide energy dashboards tool

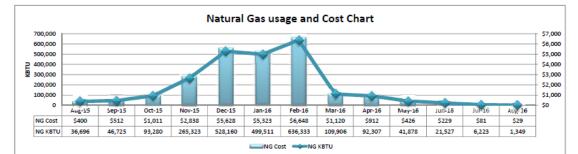
Rock Hill School District Utilities Budget Report Report Period: 7/1/2015 through 10/30/2015 Date: 11/18/2015 By: Kim Melander

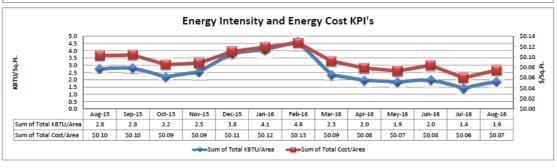
	TD TD							
ACCOUNT	School	Budget	Expenditure	BALANCE	PCT Cmplt.			
100-254-0321-000-002	BES	\$87,249	\$14,821	\$72,428	17%			
100-254-0321-000-004	CHMS	\$184,135	\$58,155	\$125,980	32%			
100-254-0321-000-005	CCD	\$48,039	\$7,294	\$40,745	15%			
100-254-0321-000-006	EZES	\$62,243	\$14,321	\$47,922	23%			
100-254-0321-000-007	DCMS	\$218,339	\$59,679	\$158,660	27%			

VTD

Site: Northwestern High School Date: 9/24/2015 Monthly Energy Report









## 2015-2016 Goals

- Academic collaboration Kiosk energy dashboard.
- Energy Star labels for remaining buildings.
- Efficiency upgrade projects
  - Control system upgrades and enhancements ongoing.
  - Lighting upgrades replace blown bulbs with LED
  - Energy and sustainability integrated into Capital improvement projects.

#### Questions?

Thank you for your support!

Have a safe and happy Thanksgiving Holiday!