



Tracking Utility Use With UtilityDirect

Presented By:
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 MSBO – Energy Essentials Program
 And
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
Introduction

- Importance of Tracking Utility data
- Identify your needs
 - Are we already doing this?
 - Do we need help?
 - Do we need software?
- Track your Utility Use
- Utilize the data that is being tracked
- Share the information learned and energy that is being saved!!!!!!




Tracking Energy Use


- Establish a baseline
- Compare to other districts/buildings
- Try to understand where the energy is being used
- Develop a plan to reduce energy use


Do We Need Help??

- Are we already doing this?
- Do we need help?
- Do we need software?


Energy Essentials

- Energy Essentials is an MSBO Program
 - Purpose is to assist districts in developing a program that creates energy awareness and strategies that result in saving precious dollars for the district. This is a comprehensive, systemic approach to energy savings.


Energy Essentials

The basic steps used in the Energy Essentials Program are:

- Energy process audit
- Discovery of the people, processes, and technology currently in place
- Implementation of comprehensive benchmarking tools
- Development of common goals and objectives
- Formation of a task force for energy program management


To get your district on the road to saving money or for more information, contact Scott Little at 517/327-2582, or Rob DeBoer at 616/334-4748.

What is Needed for Tracking

- At least 2 years of Utility Bills
 - Natural Gas/Propane
 - Electric
 - Water/sewer (optional)
- Building Information
 - Location
 - Square Footage
 - Student Counts
 - Schedules
 - Basic Heating/Cooling knowledge
- Some system or software to track both cost and Use.

Utility Direct

- **Goal is to increase the energy performance of your buildings**
- **Understand Your Utility Consumption**
- **Track Performance, Costs, and Trends**
- **Evaluate Changes**
- **Plan for Future Budgets**
- **Provide Information to All Stakeholders**



SchoolDude Presentation

What can we do with that Data Now?

Types of reports:

- Totals: such as cost or consumption amounts for a fiscal year.
- Trends: Increases/decreases from one year to another. Utility cost increases over a time period etc.
- Trouble Shooting Potential Problems: Missing bills and bills that vary more than 10% from month to month or year to year.
- Weather Information
- Upload to ENERGY STAR
- Share the information with staff, students and community members!

What Can Be Viewed in Utility Direct?

- Totals: such as cost or consumption amounts for a fiscal year.

Use/Cost by Vendor (0983)

Vendor: All Vendors
Month: All Months
Year: 2007

Vendor	Account	Use	Cost
Bill Determinant 1	129456 W	2,000,000 Kgal	\$4.00
Bill Determinant 1 Total			\$4.00
City of Georgetown SC	101-999-321954987.991	1,126,800,000 kWh	\$110,011.68
City of Georgetown SC Total			\$110,011.68
City of Raleigh NC	129456789	2,270,000 Gal.	\$4,895.00
City of Raleigh NC	30363-646768	4,200,000 Gal.	\$331.50
City of Raleigh NC	4588	0,000 Gal.	\$0.00
City of Raleigh NC Total			\$5,199.50
ElizabethTown Gas	0932837511	1,299,800 Therms	\$2,182.27
ElizabethTown Gas Total			\$2,182.27

What Can Be Viewed in Utility Direct?

- Trends: Increases/decreases from one year to another. Utility cost increases over a time period

Energy Efficiency Report (BR09)

Years: 2004,2005,2006,2007
All Months
All Building Types
All Buildings

	2004		2005		2006		2007					
	Area	KBTU/ Sq. Ft.	Area	KBTU/ Sq. Ft.	Area	KBTU/ Sq. Ft.	Area	KBTU/ Sq. Ft.				
Big	287331 #2	32.071	0.002	287331 #2	30.962	0.002	287331 #2	28.250	0.002	287331 #2	0.573	0.038
Medium	133758 #2	30.413	0.000	133758 #2	28.433	0.000	133758 #2	20.567	0.000	-	0.000	0.000
Small	37571 #2	27.647	0.000	37571 #2	28.546	0.000	37571 #2	20.968	0.000	-	0.000	0.000
Sherman High School	287331 #2	15.281	0.000	287331 #2	13.271	0.000	287331 #2	9.307	0.000	287331 #2	0.660	0.000
Perrin Elementary	37570 #2	12.794	0.000	37570 #2	9.828	0.000	37570 #2	8.953	0.000	55000 #2	9.091	0.000
Piner Middle School	133758 #2	11.990	0.000	133758 #2	10.424	0.000	133758 #2	5.907	0.000	-	0.000	0.000
Johnston ES	36748 #2	0	0.000	36748 #2	29.802	0.000	36748 #2	0	0.000	-	0.000	0.000

Home Page Customization

Welcome MSBO!
ABC Public Schools

Fiscal YTD Utility Summary	2005	2006	Favorite Reports
Electric	\$ 165,633.22	\$ 154,372.94	Yearly Utility Cost Graph [GR10]
Natural Gas	\$ 160,813.23	\$ 207,462.39	Energy Efficiency Report [ER09]
Water/Sewer	\$ 58,082.31	\$ 59,503.29	Yearly Building Use Comparison [BR12]
Trash / Waste	\$ 7,023.78	\$ 7,434.72	Building Cost per Square Foot [BS01]
Totals:	\$ 391,752.54	\$ 428,773.34	

Change this graph | change year

2006 Cost by Utility Type

Fiscal Year 2006

Change this graph | change year

2006 Monthly Cost

Fiscal Year 2006, \$

Summary

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Questions?

Contact Information:

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