

Douglas County SD

Energy Benchmarking Report

SUBMITTED TO:

Douglas County SD
1638 Mono Avenue
Minden, NV 89423
(775)-782-5131

SUBMITTED BY:

Energy Smart SchoolsSM
4301 Westbank Drive
Austin, TX 78746
Contact: David Goett
(512) 327-9200
dgoett@cleareresult.com

September 30th, 2013

*Sponsored by NV Energy
Provided by CLEAResult*



CLEAResult

Table of Contents

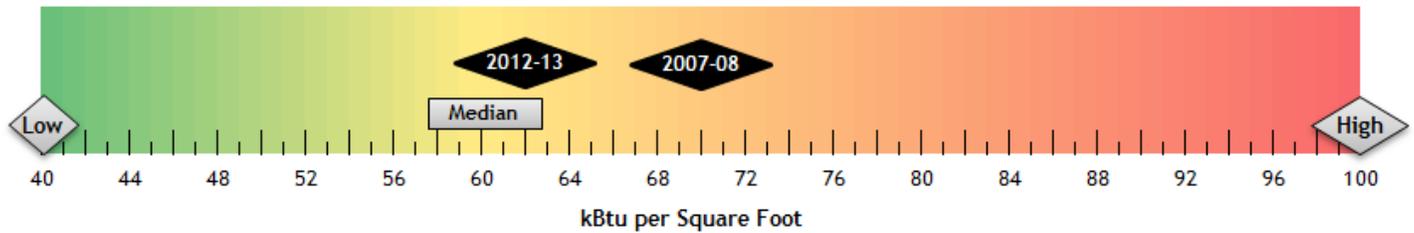
Executive Summary	3
Introduction.....	4
The Benchmarking Process	4
Introduction.....	5
Background Information.....	5
Current Energy Use Charts.....	6
Comparison with Schools in Local Region.....	6
Comparison between Your Schools.....	7
Targeting Schools for Further Assessment	8
Correlation with EPA Portfolio Manager Ratings.....	9
Comparison with Local School Districts	10
Energy Costs	11
Historical Energy Use Charts.....	12
Change in Energy Use by District	13
Detailed Energy Performance Analysis of Individual Schools.....	14
District-Wide Energy Performanc.....	15
Energy Performance by School Type	16
Energy Performance by Quartiles.....	17
Translating the Numbers into Savings	18
Targeting Energy Cost Savings	19
Calculating Energy Cost Savings	20
Greenhouse Gas Emissions.....	21
Appendix.....	23
Energy Performance Charts for Individual Schools.....	23

Executive Summary

The executive summary provides an overview of your schools' performance in this energy benchmarking analysis compared to other K-12 schools in Northern Nevada:

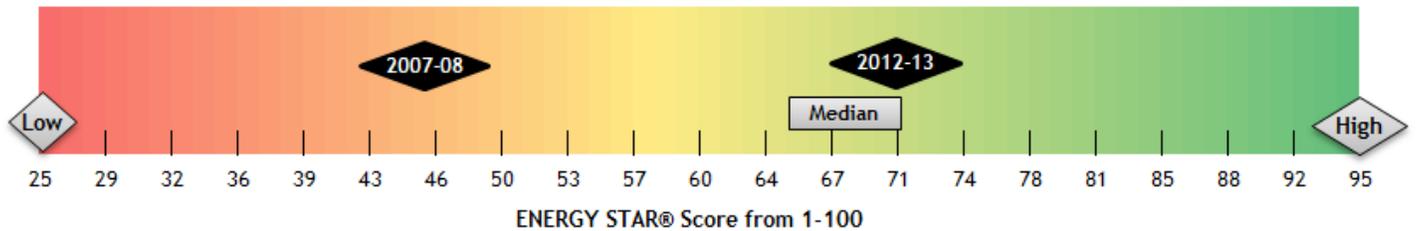
During the 2012-13 school year, Douglas County SD consumed **62.5** kBtu per square foot, which is slightly greater than the local median for Northern Nevada K-12 schools (i.e., **59.9** kBtu per square foot) but is lower than the district's 2007-08 base year (i.e., **70.4** kBtu per square foot).

Energy Use Index



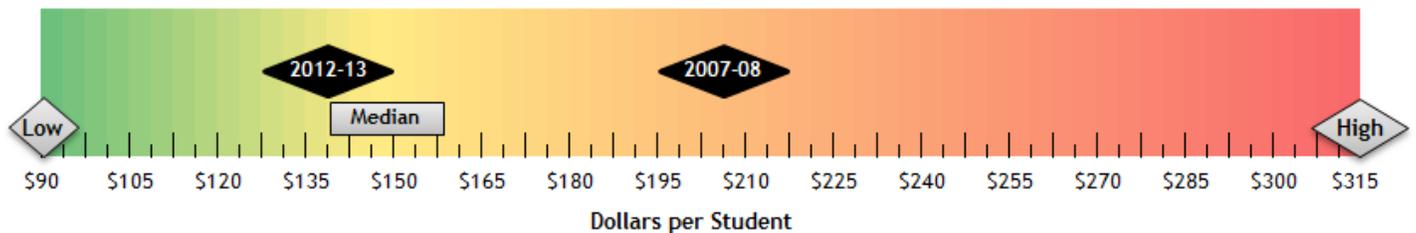
During the 2012-13 school year, Douglas County SD scored an average of **71** out of 100 in EPA Portfolio Manager, which exceeds both the local median for Northern Nevada K-12 schools (i.e., **68** out of 100) and the district's 2007-08 base year (i.e., **46** out of 100).

EPA Portfolio Manager Rating



During the 2012-13 school year, Douglas County SD spent **\$140** on energy costs per student, which falls below both the local median for Northern Nevada K-12 schools (i.e., **\$145** per student) and the district's 2007-08 base year (i.e., **\$206** per student).

Energy Cost Per Student



Overall, Douglas County SD has reduced its energy consumption considerably over the last five years, and is now performing on par with other local districts. In particular, the greatest opportunity for energy-improvements is concentrated at Douglas High School. However, there is still room for improvement at most sites and likely many opportunities for energy-improvements at your individual buildings.

Introduction

Benchmarking the energy performance of your schools is the first step in determining where and how to implement energy improvements within your district. This Energy Benchmarking Report compares your schools' energy performance against each other and against regional and national databases and will help you identify which of your schools have the greatest opportunities for energy and cost savings.

The Benchmarking Process

CLEAResult's Regional Energy Performance Databases and Data Modeling Process

The energy and building data you provided – e.g. twelve months of utility bills, school square footages, and number of students – is entered into CLEAResult's Energy Performance Database. This database contains building characteristics and energy usage information from hundreds of schools that CLEAResult has benchmarked in your climate region. Filters are placed on database records in your climate zone to provide a basis for comparison of energy performance.

After uploading your information into the database for your region, a software model calculates the following energy benchmarks for each of your schools: annual energy use per square foot (Energy Use Index), annual energy cost per square foot (Energy Cost Index), and annual energy cost per student. The model then compares your calculated energy benchmarks to other schools in your climate region. The model only compares those schools of similar type and heat source (e.g. gas-heated high schools are only compared to other gas-heated high schools, etc.).

Energy Performance Benchmarks Used in the Study

Energy Use Index (kBtu/sq.ft) – Also known as site energy or EUI, Energy Use Index is one of the most common ways to compare energy consumption between schools. This metric includes twelve months of energy consumption data as reported on your monthly utility bills converted to units of kBtu, divided by the total square footage of the school campus.

Energy Cost Index (\$/sq.ft) – Potential to reduce energy costs is a prime motivator for investment in energy efficiency upgrades. This metric includes twelve months of energy costs as reported on your monthly utility bills, divided by the total square footage of the school campus. Energy Cost Index is a simple way to compare how much it costs to operate each of your schools.

Energy Cost per Student (\$/student) – Another excellent way to compare the cost of operations and maintenance at schools is by student. This metric includes twelve months of energy costs as reported on your monthly utility bills, divided by the number of students enrolled at the school. Energy Cost per Student can help identify schools that are overcrowded or have excess capacity.

Portfolio Manager Rating (1-100) – An online benchmarking tool that uses a mathematical algorithm to rank energy performance on a scale of 1 to 100, Portfolio Manager incorporates *both* energy consumption data and building characteristics – such as year built, square footage, and weather – into its calculations. A score of 50 indicates that the school is performing better than half of K-12 schools nationwide. Schools scoring 75 or better may be eligible to apply for the ENERGY STAR® Label.

Your K-12 schools' building characteristics, utility data, and calculated energy performance metrics are presented in a number of ways throughout the following benchmarking report.

Introduction

Background Information

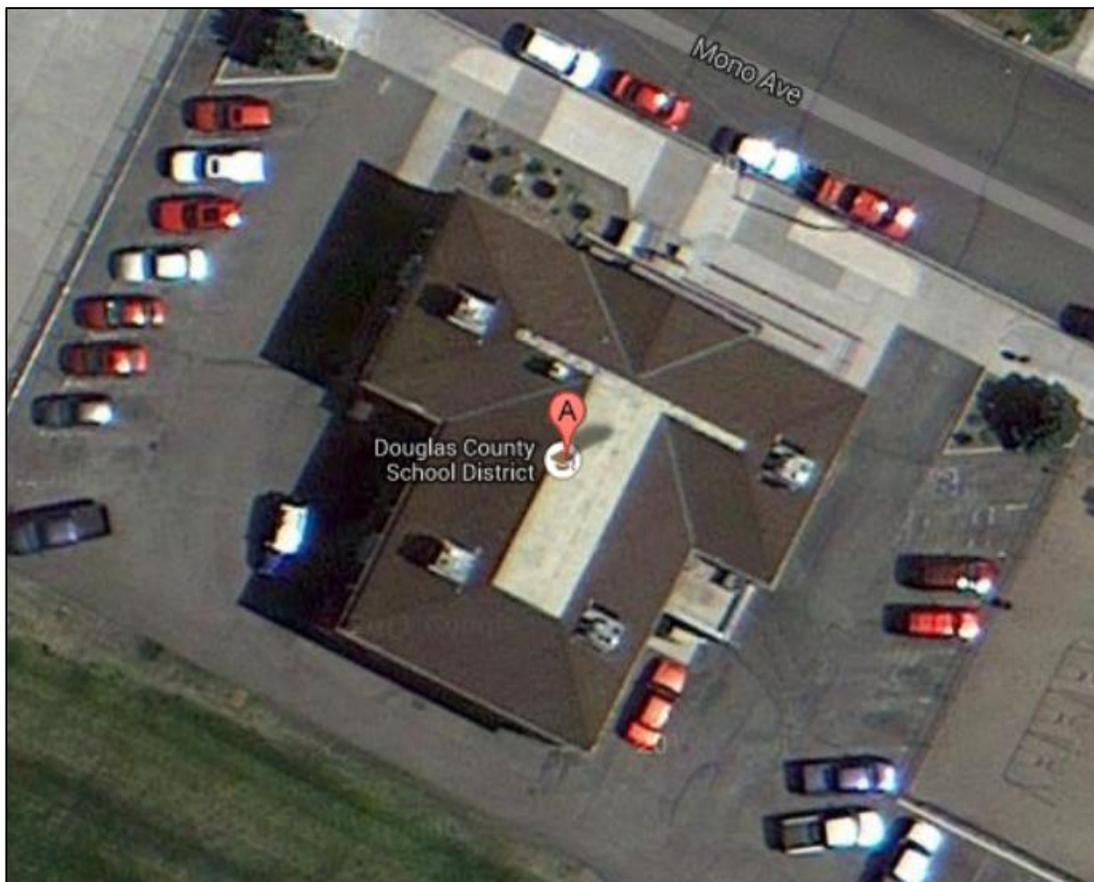
Douglas County SD elected to take advantage of the building energy performance benchmarking support provided on behalf of Energy Smart SchoolsSM sponsored by NV Energy. This multi-year benchmarking study analyzes the district's current performance and compares it against previous school years. This study includes the following eleven school sites:

- Carson Valley Middle School
- CC Meneley Elementary School
- Douglas High School
- Gardnerville Elementary School
- Jacks Valley Elementary School
- Minden Elementary School
- Pau-Wa-Lu Middle School
- Pinon Hills Elementary
- Scarselli Elementary
- Whittell High School
- Zephyr Cove Elementary

Site energy data includes electricity and natural gas. The energy consumption data used in this benchmarking study covers June 2007-May 2013. Data was reviewed for quality and accuracy.

Douglas County School District

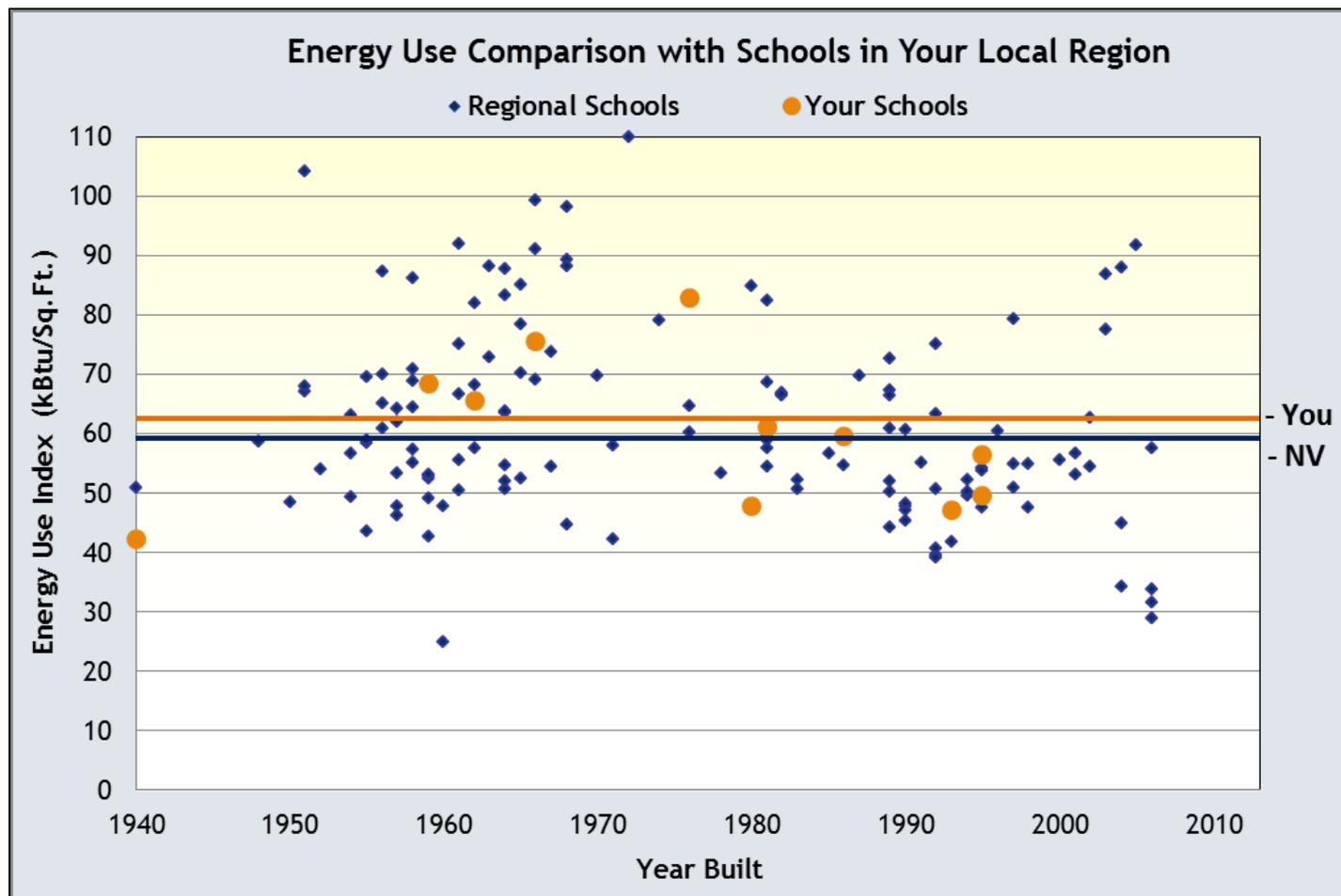
1638 Mono Drive, Minden, NV 89423



Current Energy Use Charts

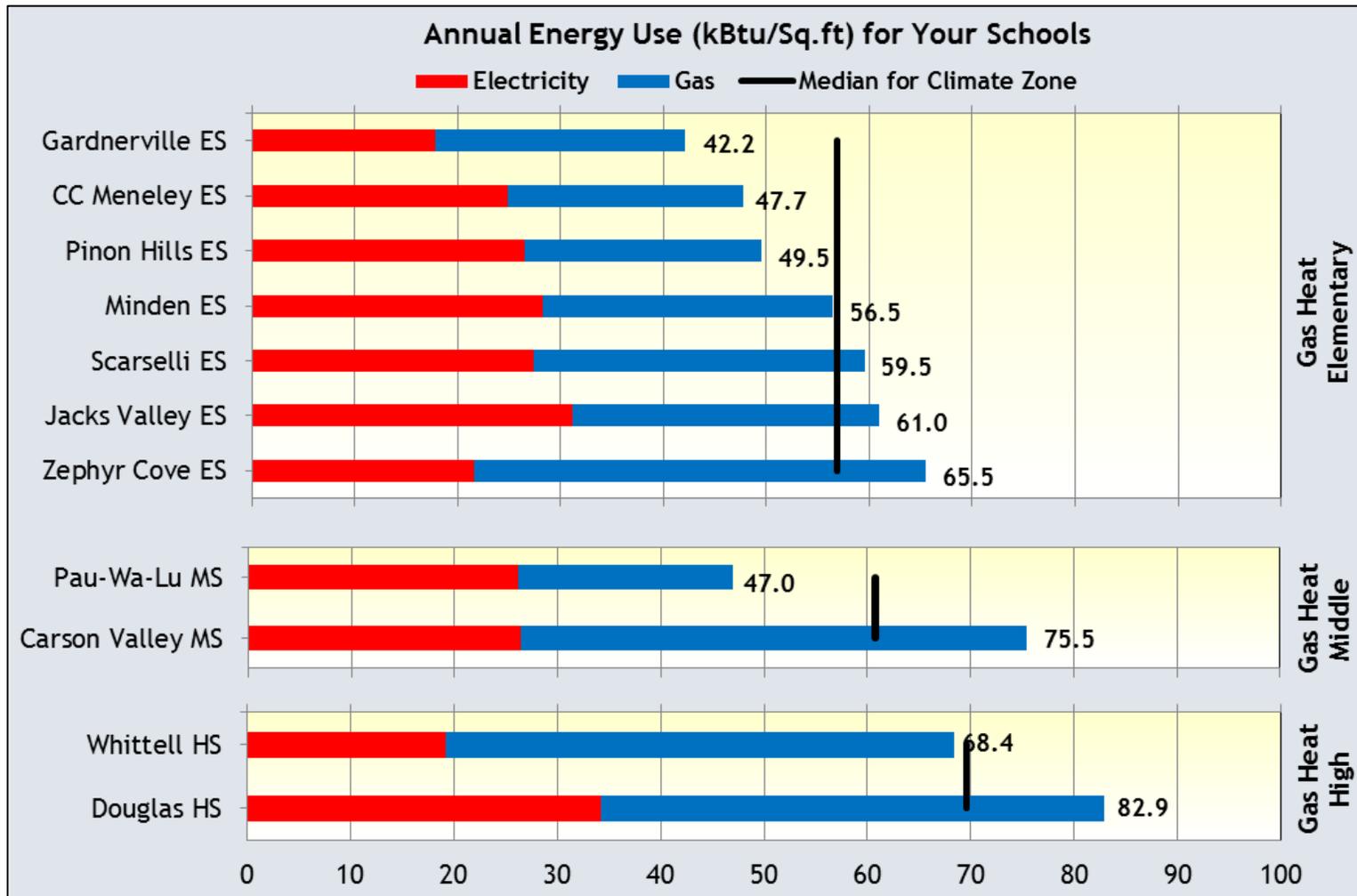
Comparison with Schools in Local Region

Annual energy use per square foot, also known as Energy Use Index (EUI), is one of the most common ways to compare energy consumption between buildings. This parameter is all inclusive – it incorporates the energy used for heating, cooling, dehumidifying, lights, cooking, computers, etc. – and it also normalizes based on building size. The scatter plot below illustrates how your schools compare to the rest of the schools in our database in climate regions like yours. While your schools’ EUIs fall in the range of the local climate zone, your district’s overall average (i.e., orange trendline) is slightly higher than the local climate average (i.e., blue trendline).



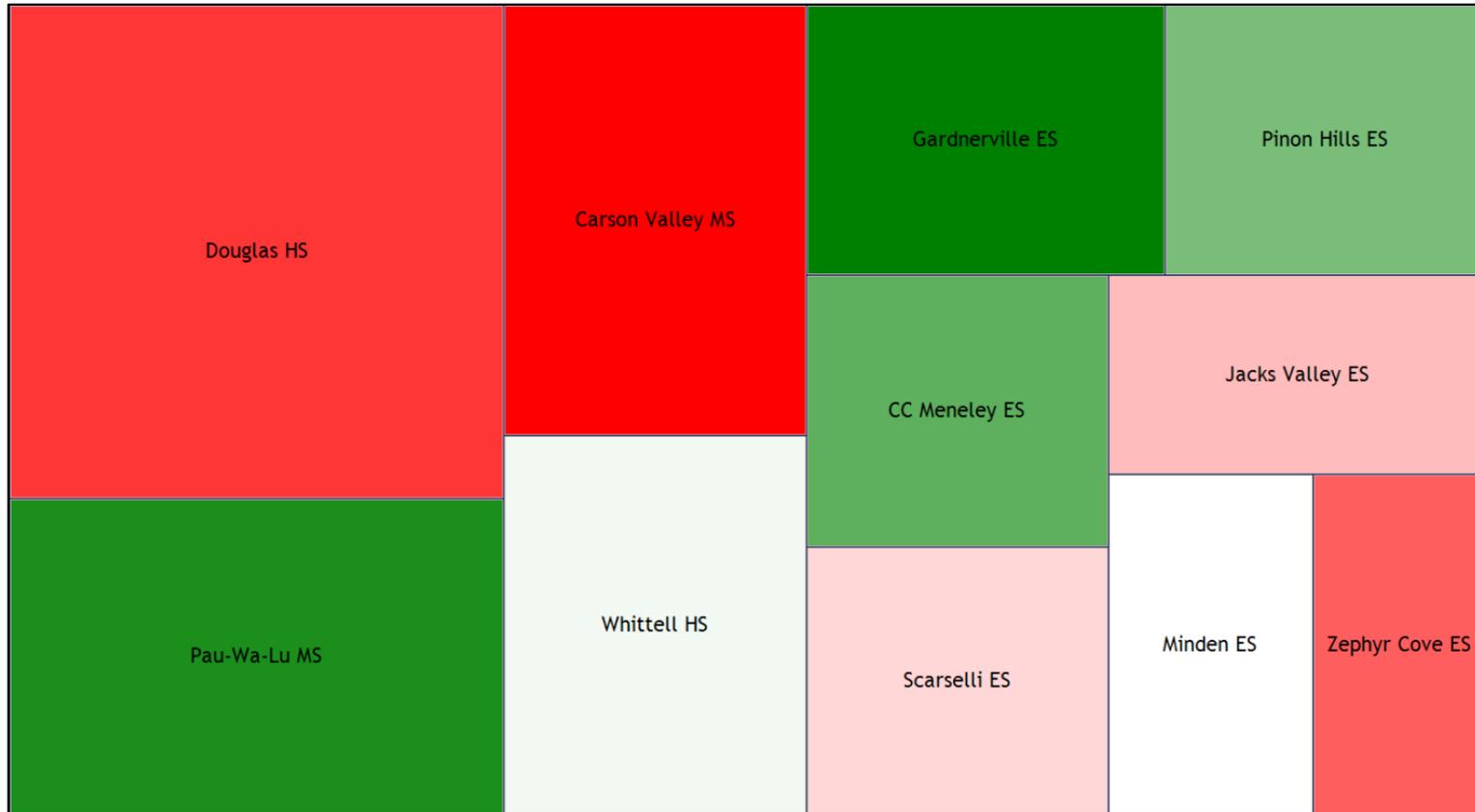
Comparison between Your Schools

The following chart shows the energy use (kBtu/Sq.ft) for each of your K-12 schools. The red and blue bars signify the portions of overall energy use attributable to electricity & natural gas, respectively. The black line represents the median for the particular school type and heat source.



Targeting Schools for Further Assessment

The following conceptual chart shows the energy savings opportunity for each of your K-12 schools. The size of each box indicates the respective square footage of each school, and the color represents its energy performance compared to the median. For example, a large dark red box points to a large school that is consuming significantly more energy per square foot than the median, which would make it an ideal school to target for further assessment.



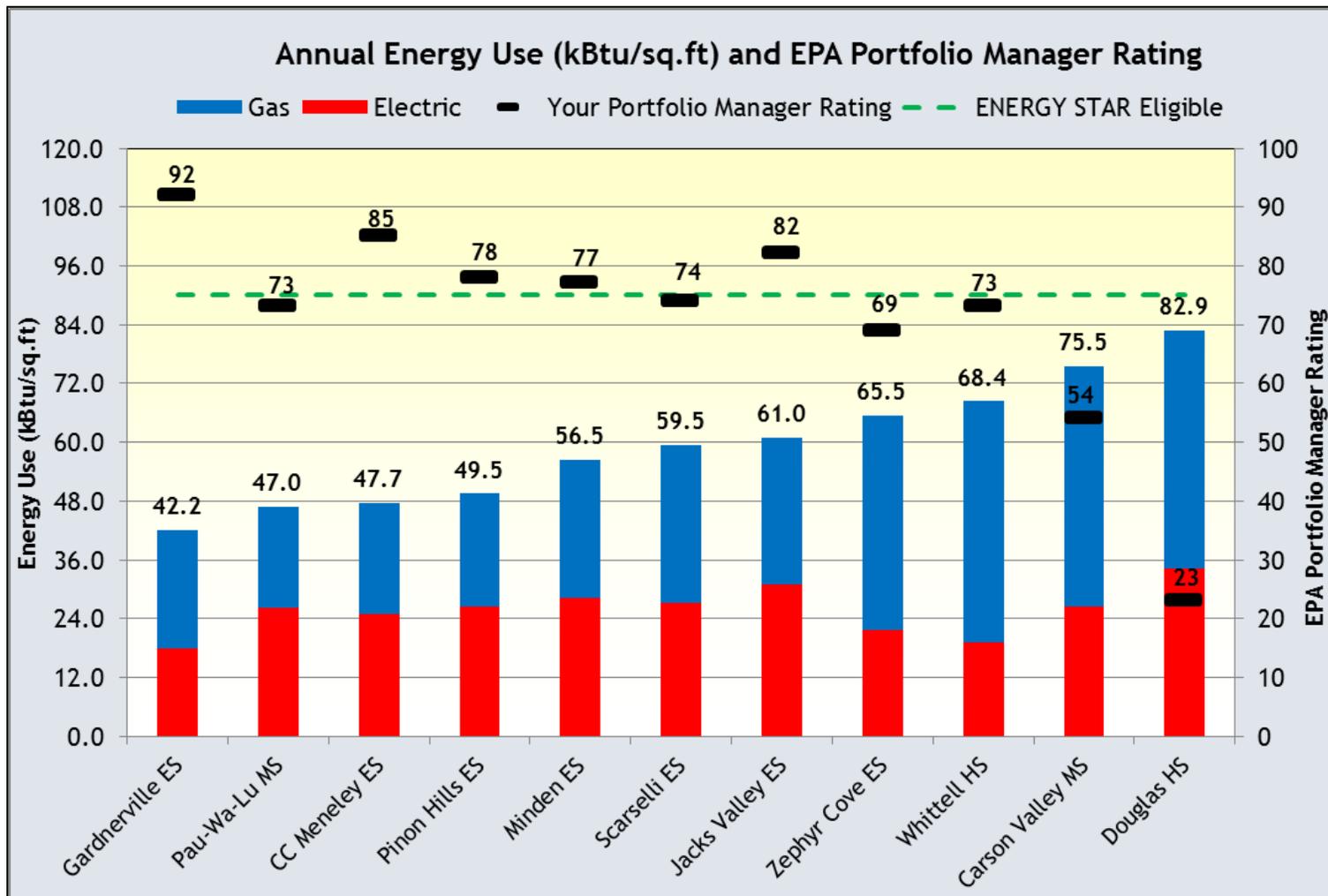
Bottom Performers

Median

Top Performers

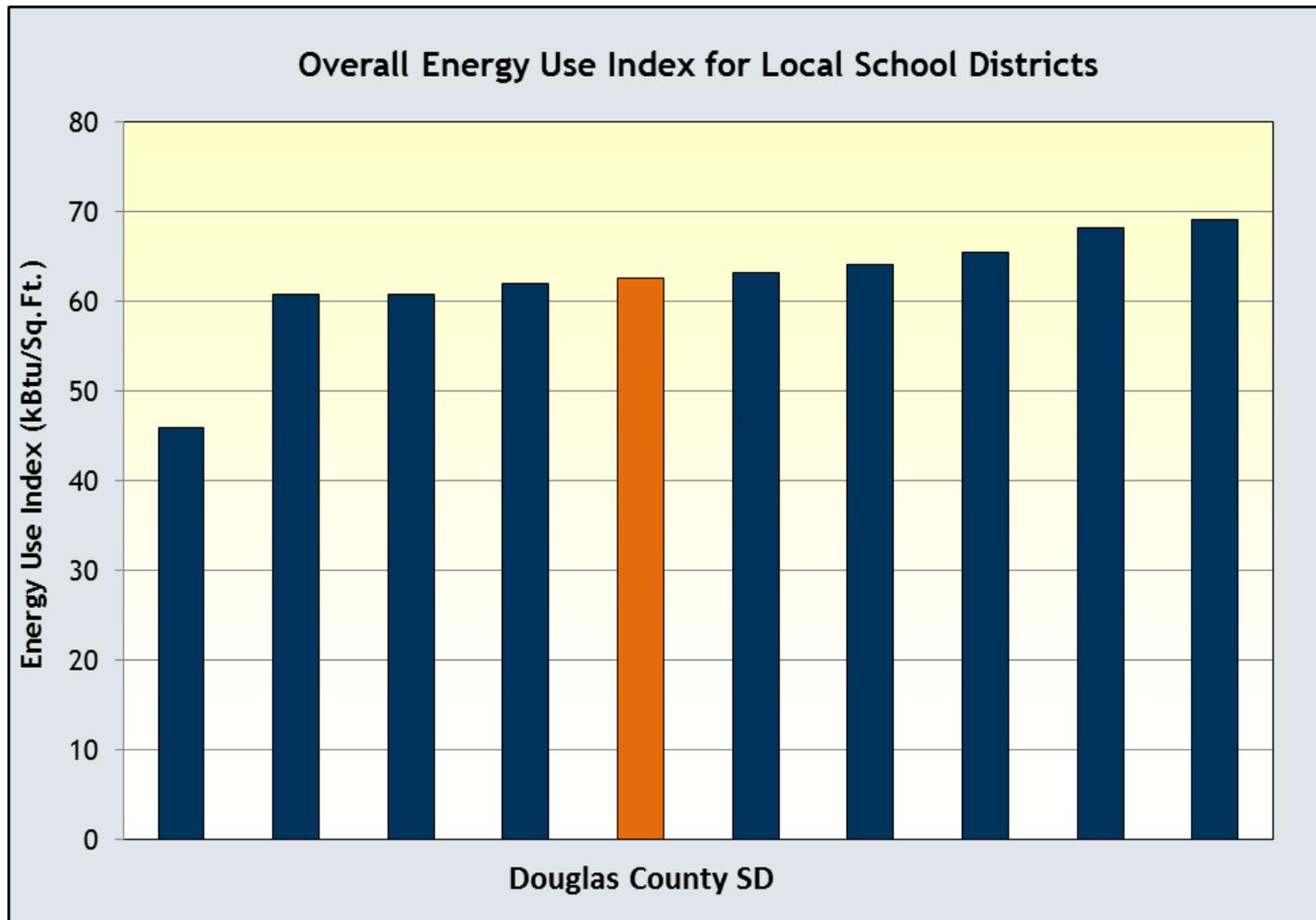
Correlation with EPA Portfolio Manager Ratings

EPA Portfolio Manager ranks schools on an energy performance scale of 1 to 100. As a main input to EPA Portfolio Manager, a school’s energy consumption (particularly electric use) is often inversely related to its energy performance rating. The following chart shows your schools’ energy use broken out into red and blue bars, which reflect the portions attributable to electricity & natural gas, respectively. The black bars follow your schools’ EPA Portfolio Manager Ratings. Schools with higher energy use and lower EPA Portfolio Manager Ratings will tend to have more opportunity for energy improvements.



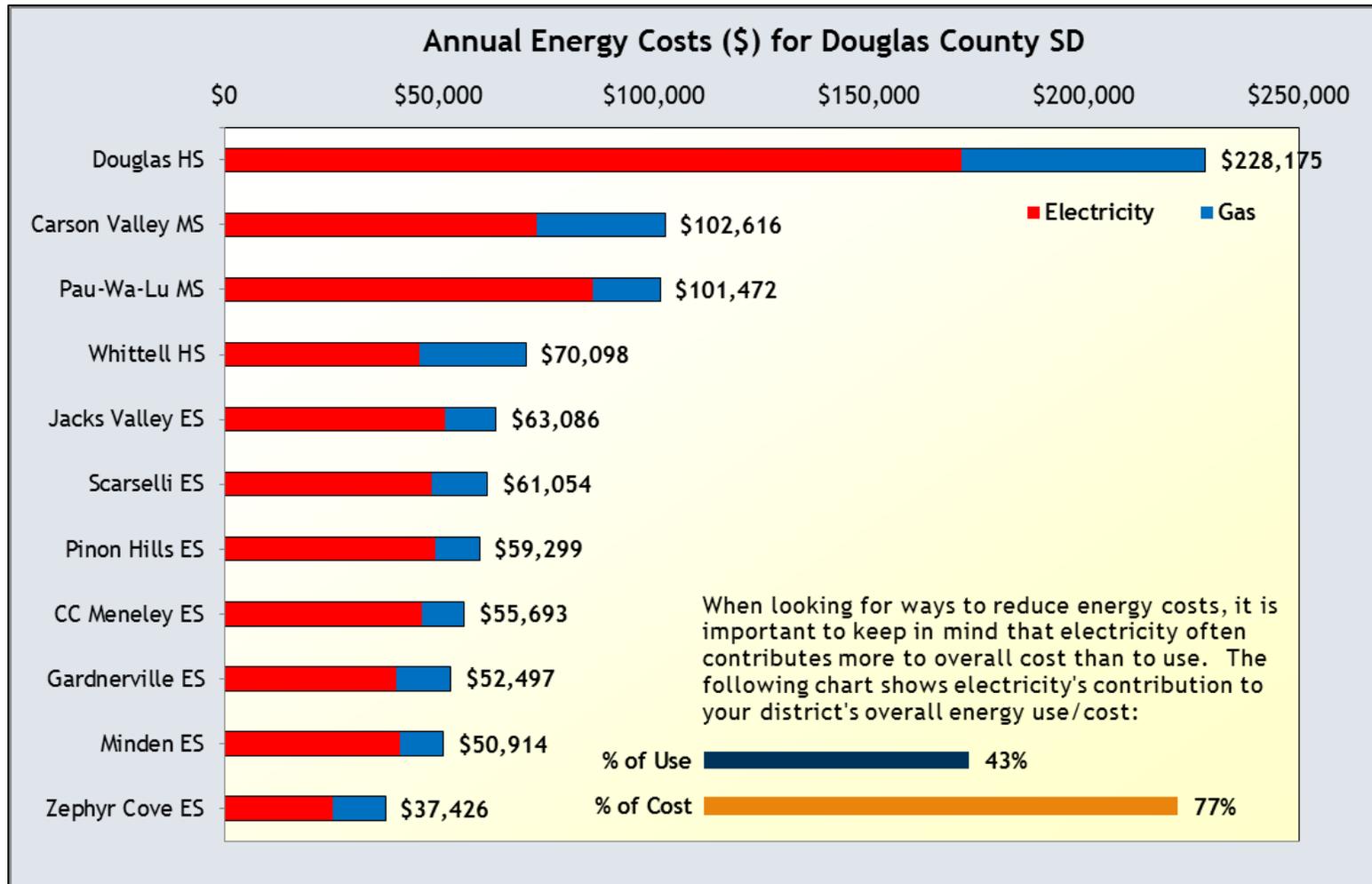
Comparison with Local School Districts

The bar graph below compares your school district's overall energy use (kBtu/sq.ft) to other districts in your immediate local area *only*. Your district's overall Energy Use Index (EUI) is highlighted in orange. Lower EUI bars indicate lower energy use / better performance.



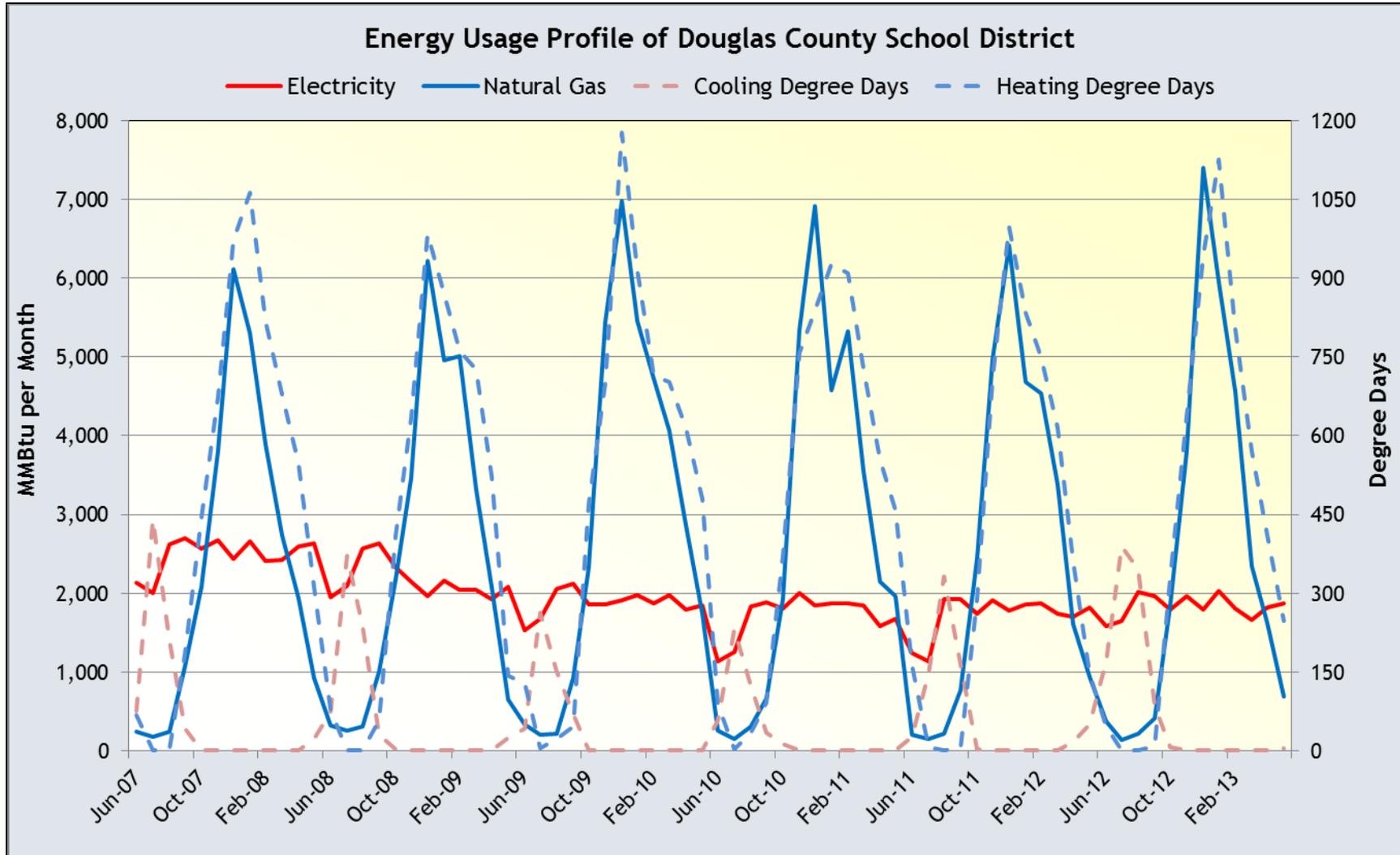
Energy Costs

Because the cost of energy fluctuates regularly, it is best to think in terms of energy use (normalized consumption per square foot). However, annual energy cost is another valuable way to decide where to focus your energy efficiency efforts. The chart below displays your district's annual energy cost by school. The red and blue bars signify the portions of overall energy cost attributable to electricity & natural gas, respectively.



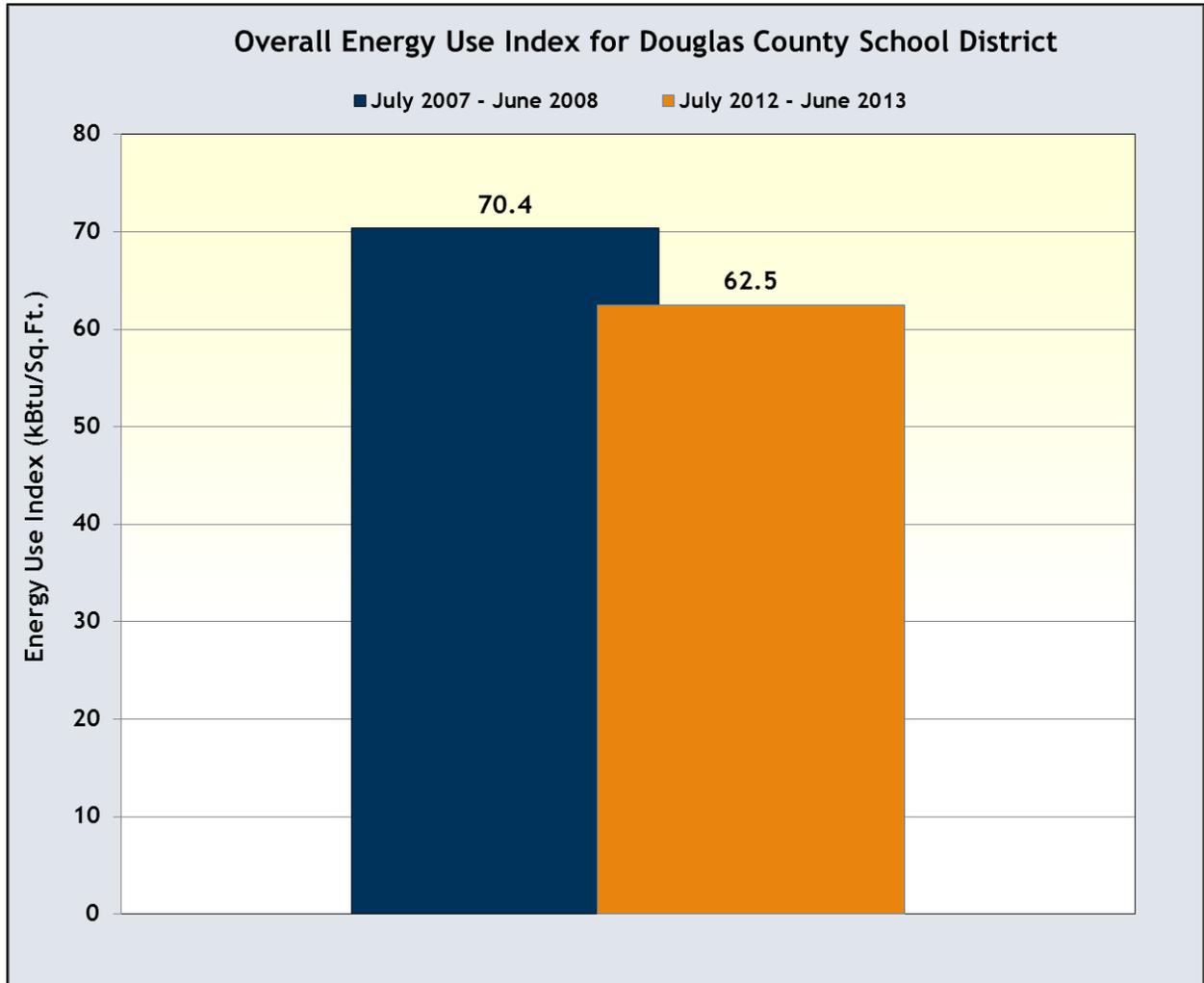
Historical Energy Use Charts

The following graph shows the monthly energy usage (left vertical axis) and degree days (right vertical axis) for your entire district. Natural gas and heating degree days (i.e., blue dotted line) peak in the winter months when it is necessary to heat your schools. Cooling degree days (i.e., red dotted line) and electricity are relatively low and steady, which points to a reduced summer operating schedule and low cooling requirements for your climate zone. This study uses regression analysis to normalize historical natural gas data to the weather conditions of the 2012-13 school year.



Change in Energy Use by District

The bar graph below shows how the overall Energy Use Index for your school district has changed from the previous benchmarking analysis. Douglas County SD's overall Energy Use Index is lower now than it was several years ago, which indicates less energy use and better overall performance.



Detailed Energy Performance Analysis of Individual Schools¹

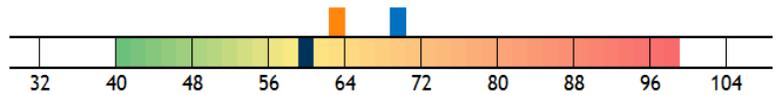
The Energy Performance Benchmarking Analysis charts on the following pages summarize the utility data, operating characteristics, and energy performance of your particular K-12 schools. Below are descriptions and sample parts that illustrate how to interpret the charts.

CLEAResult Benchmarks

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	59.9	70.4		62.5

The first column is the median for each energy performance metric (for your particular climate region and school type), followed by your school's calculated benchmarks during 2007-08 and 2012-2013, respectively. In between is a line chart showing the trend of the specific benchmark over the last five years.

Energy Performance Color Scale



The scales illustrate where your school ranks compared to the median with respect to each energy benchmark. The median for each performance metric is colored dark blue and your schools' energy benchmarks are colored blue and orange during 2007-08 and 2012-13, respectively. The color-coded scale shows the range of values in our database for each particular energy performance metric. The scale moves from those buildings performing well (green) to average (yellow) to poorly (red). Please notice where your school(s) falls on this continuum.

Building Characteristics

Building characteristics typically includes the type of building, year built, gross floor area, and any particular operating characteristics solicited by EPA Portfolio Manager to produce an energy performance rating.

Building Characteristics	
Climate Region	North NV
Type of School	Middle
Type of Heating System	Gas
Year Built	1966

Monthly Utility Data

For each billing period, this includes electric usage (kWh), electric demand (kW), total current electric charges (\$), natural gas consumption (therms), and total current natural gas charges (\$).

Month	kWh	Cost	Therms	Cost
Jun-12	462,687	\$50,489	3,729	\$4,955
Jul-12	484,999	\$53,737	1,382	\$3,205

Energy Use/Cost Comparison

Annual electric and natural gas totals are reported for the 2007-08 and 2012-13 school years for purposes of comparison. The overall gross change is reported in the column to the right. Electricity's respective contributions to overall energy usage/ cost as well as the respective annual unit costs of electricity and natural gas are also reported in these columns.

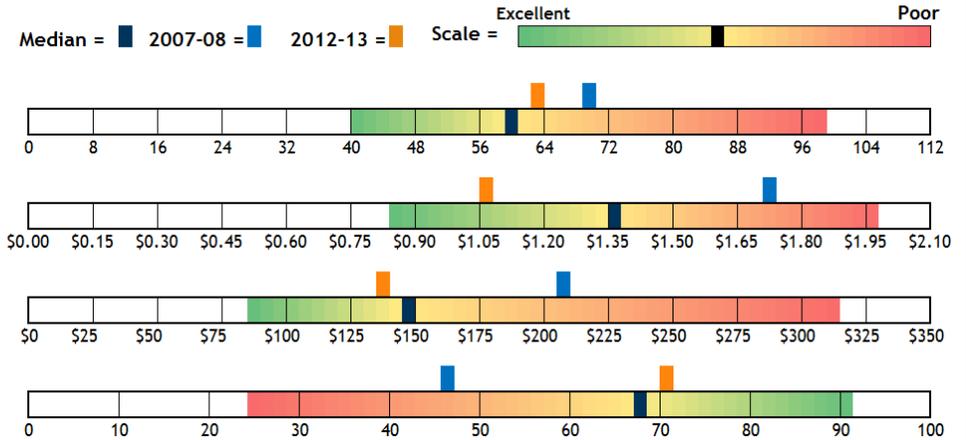
Energy Use/Cost Comparison			
Category	2007-08	2012-13	Change
Use- Electricity (kWh)	8,750,908	6,437,849	2,313,059
Use- Gas (therms)	248,674	293,582	(44,908)
Use- Electricity (MMBtu)	29,858	21,966	7,892
Use- Gas (MMBtu)	24,867	29,358	(4,491)

¹ This report compares energy use based on utility bills and is not the result of an engineering assessment. The analysis is purely mathematical and is not meant to provide a subjective assessment of how buildings are managed or operated. Most of the indicators do not adjust for individual building conditions, and therefore should be used only as a tool in combination with knowledge of facility operations.

Energy Performance Benchmarking Analysis

District-Wide Summary / Douglas County SD

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	59.9	70.4		62.5
Energy Cost Index (\$/sq.ft)	\$1.36	\$1.73		\$1.07
Energy Cost per Student	\$145	\$206		\$140
EPA Portfolio Manager Score	68	46		71



* Median for a similar profile of gas-heated schools in the North NV climate region.

Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	462,687	\$50,489	3,729	\$4,955	Use- Electricity (kWh)	8,750,908	6,437,849	2,313,059
Type of School	N/A	Jul-12	484,999	\$53,737	1,382	\$3,205	Use- Gas (therms)	248,674	293,582	(44,908)
Type of Heating System	Gas	Aug-12	590,744	\$64,771	2,163	\$3,625	Use- Electricity (MMBtu)	29,858	21,966	7,892
Year Built	N/A	Sep-12	576,902	\$62,900	4,192	\$5,411	Use- Gas (MMBtu)	24,867	29,358	(4,491)
Floor Area (sq. ft.)	821,105	Oct-12	526,676	\$58,062	18,431	\$13,949	Use- Total Energy (MMBtu)	54,726	51,324	3,401
Weekly Operating Hours	N/A	Nov-12	573,720	\$57,575	37,976	\$24,718	Use- Electricity % of Total	55%	43%	N/A
Number of Students	6,322	Dec-12	527,092	\$53,231	74,006	\$46,261	Cost- Electricity (\$)	\$1,057,244	\$675,114	\$382,130
Number of PCs	1,773	Jan-13	595,191	\$55,787	59,567	\$38,274	Cost- Gas (\$)	\$291,261	\$207,214	\$84,046
On-Site Cooking?	N/A	Feb-13	530,525	\$52,640	45,646	\$29,835	Cost- Total Energy (\$)	\$1,348,505	\$882,329	\$466,176
Walk-In Refrigerators	N/A	Mar-13	487,246	\$50,255	23,381	\$18,094	Cost- Electricity % of Total	78%	77%	N/A
Percent Cooled	100	Apr-13	534,905	\$57,315	16,239	\$12,372	Electricity Cost per kWh	\$0.15	\$0.14	N/A
Percent Heated	100	May-13	547,162	\$58,352	6,870	\$6,516	Gas Cost per therm	\$1.17	\$0.71	N/A

Energy Performance by School Type

The table below shows the year built, square footage, Energy Use Index (kBtu/Sq.ft), Energy Cost Index (\$/Sq.ft), Energy Cost per Student and EPA Portfolio Manager Rating. Red and blue bars signify the portions of overall energy use attributable to electricity & natural gas, respectively.

Energy Performance Indicators Grouped by School Type

Buildings are ranked by Energy Use Index within each school type.

Facility Name	Year Built	Square Feet	Annual EUI (kBtu/Sq.ft.) or Site Energy		ECI (\$/Sq.ft.)	Energy Cost per Student	ENERGY STAR® Score
<i>Gas-Heated High Schools - North NV Climate Average</i>			69.6		\$1.44	\$209	53
Whittell High School	1959	78,812	68.4		\$0.89	\$302	73
Douglas High School	1976	167,560	82.9		\$1.36	\$164	23
<i>Gas-Heated Middle Schools - North NV Climate Average</i>			60.8		\$1.33	\$181	70
Pau-Wa-Lu Middle School	1993	107,410	47.0		\$0.94	\$166	73
Carson Valley Middle School	1966	89,449	75.5		\$1.15	\$135	54
<i>Gas-Heated Elementary Schools - North NV Climate Average</i>			56.9		\$1.35	\$117	72
Gardnerville Elementary	1909	66,600	42.2		\$0.79	\$98	92
CC Meneley Elementary	1980	56,414	47.7		\$0.99	\$101	85
Pinon Hills Elementary	1995	59,303	49.5		\$1.00	\$117	78
Minden Elementary	1995	47,971	56.5		\$1.06	\$113	77
Scarselli Elementary	1986	55,640	59.5		\$1.10	\$105	74
Jacks Valley Elementary	1981	51,740	61.0		\$1.22	\$123	82
Zephyr Cove Elementary	1962	40,206	65.5		\$0.93	\$188	69

Energy Performance by Quartiles

In the following tables your schools are sorted into quartiles by energy use (kBtu/sq.ft) regardless of school type. The respective performance quartile of each energy performance indicator is indicated by the color of the adjacent circle. This is meant to help you prioritize schools for improvement projects. For example, a school with red dots across the board is performing in the last quartile with respect to each metric, and may be worth targeting for further assessment.

Energy Performance Indicators Grouped by Energy Use Index (EUI)

● 1st Quartile	● 2nd Quartile	● 3rd Quartile	● 4th Quartile
---	--	--	---

	School Name	Energy Use (kBtu/Sq.ft)	Energy Cost (\$/Sq.ft)	Energy Cost Per Student	ENERGY STAR Portfolio Manager
1st Quartile	Gardnerville Elementary	● 42.2	● \$0.79	● \$98	● 92
	Pau-Wa-Lu Middle School	● 47.0	● \$0.94	● \$166	● 73
	CC Meneley Elementary	● 47.7	● \$0.99	● \$101	● 85
2nd Qtr	Pinon Hills Elementary	● 49.5	● \$1.00	● \$117	● 78
	Minden Elementary	● 56.5	● \$1.06	● \$113	● 77
3rd Quartile	Scarselli Elementary	● 59.5	● \$1.10	● \$105	● 74
	Jacks Valley Elementary	● 61.0	● \$1.22	● \$123	● 82
	Zephyr Cove Elementary	● 65.5	● \$0.93	● \$188	● 69
4th Quartile	Whittell High School	● 68.4	● \$0.89	● \$302	● 73
	Carson Valley Middle School	● 75.5	● \$1.15	● \$135	● 54
	Douglas High School	● 82.9	● \$1.36	● \$164	● 23

Translating the Numbers into Savings

Although benchmarking does not tell you what specific equipment or building features need to be improved, or how much it will cost to make the improvements, it can help you determine the general magnitude of the opportunities available and on which schools to focus. Comparing the energy performance of your schools is the first step toward improving performance and saving money.

Energy efficiency equipment upgrades and operations improvements can have a dramatic financial impact on a school district. The table below illustrates how many budget dollars your school district would save under various savings target scenarios.

Potential Energy Cost Savings by Energy Use Quartile

Quartiles are represented in green, yellow, orange, and red.

	Square Footage	EUI (kBtu/Sq.ft.)	Annual Energy Costs	Savings Target	Annual Dollars Saved
1st Qtr	230,000	45.8	\$210,000	5%	\$11,000
2nd Qtr	108,000	52.6	\$110,000	10%	\$11,000
3rd Qtr	147,000	61.6	\$161,000	15%	\$24,000
4th Qtr	336,000	77.5	\$401,000	20%	\$80,000
Total	821,000	62.5	\$882,000	14%	\$126,000

More detailed information about the school(s) should be gathered and analyzed in order to verify the magnitude of the opportunities and then move forward with improvement projects. Please refer to the previous page to see which schools belong to each energy use quartile.

The table below presents your savings opportunity in a different way, showing how many budget dollars your district would save by reducing energy costs at your schools by 10, 20, or 30 percent.

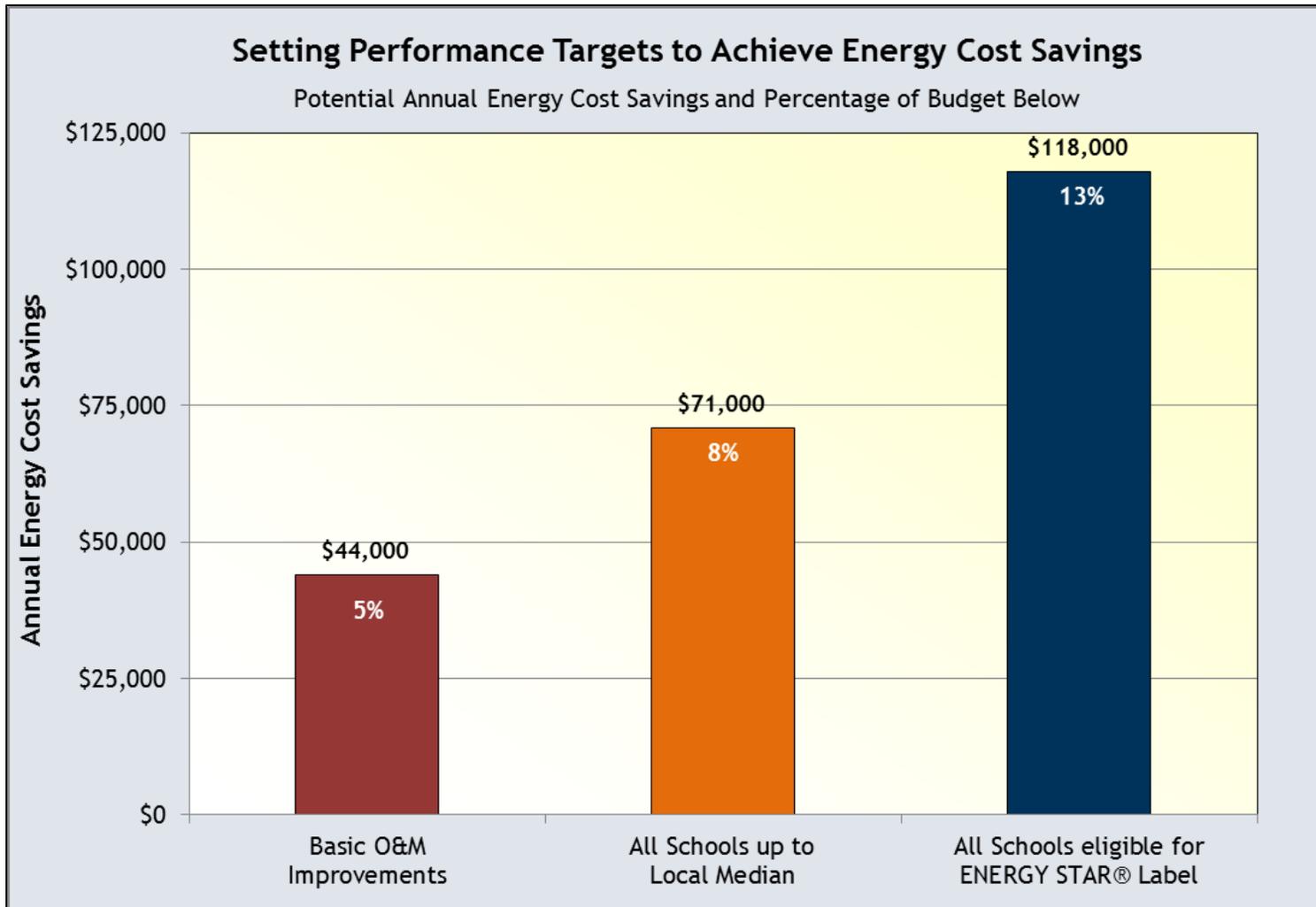
Potential Energy Cost Savings by Percentage Reduction

Douglas County SD Annual Energy Cost	X Savings Target=	Annual Dollars Saved
\$882,000	10%	\$88,000
	20%	\$176,000
	30%	\$265,000

The next step towards realizing these savings is to identify specific energy efficiency opportunities within your school district. Your Program Consultant can help you identify and evaluate energy efficiency opportunities and help you calculate the anticipated cost savings and cash incentives for each energy efficiency measure.

Targeting Energy Cost Savings

The following chart shows how many annual budget dollars your district could save (at current utility rates) by achieving various energy performance targets. Five percent annual energy cost savings can typically be achieved solely by improving operations and maintenance procedures within your district. Reducing energy consumption to such a level where all schools are performing on par with local medians or are eligible to apply for the ENERGY STAR® Label will provide even greater opportunities for cost savings.



Calculating Energy Cost Savings

The following chart calculates the change in annual energy usage and cost between 2012-13 and 2007-08 benchmarking analyses. The gross cost change in energy cost has been adjusted to reflect the current price of utilities at your district. The adjusted cost change reflects how many budget dollars your district saved (or incurred) compared to the base year. Overall, your district has reduced its energy costs since 2007-08. While in part due to lower electricity rates, the difference also reflects a significant reduction in energy usage at your district. The table below is sorted by largest percentage reduction in energy consumption (MMBtu).

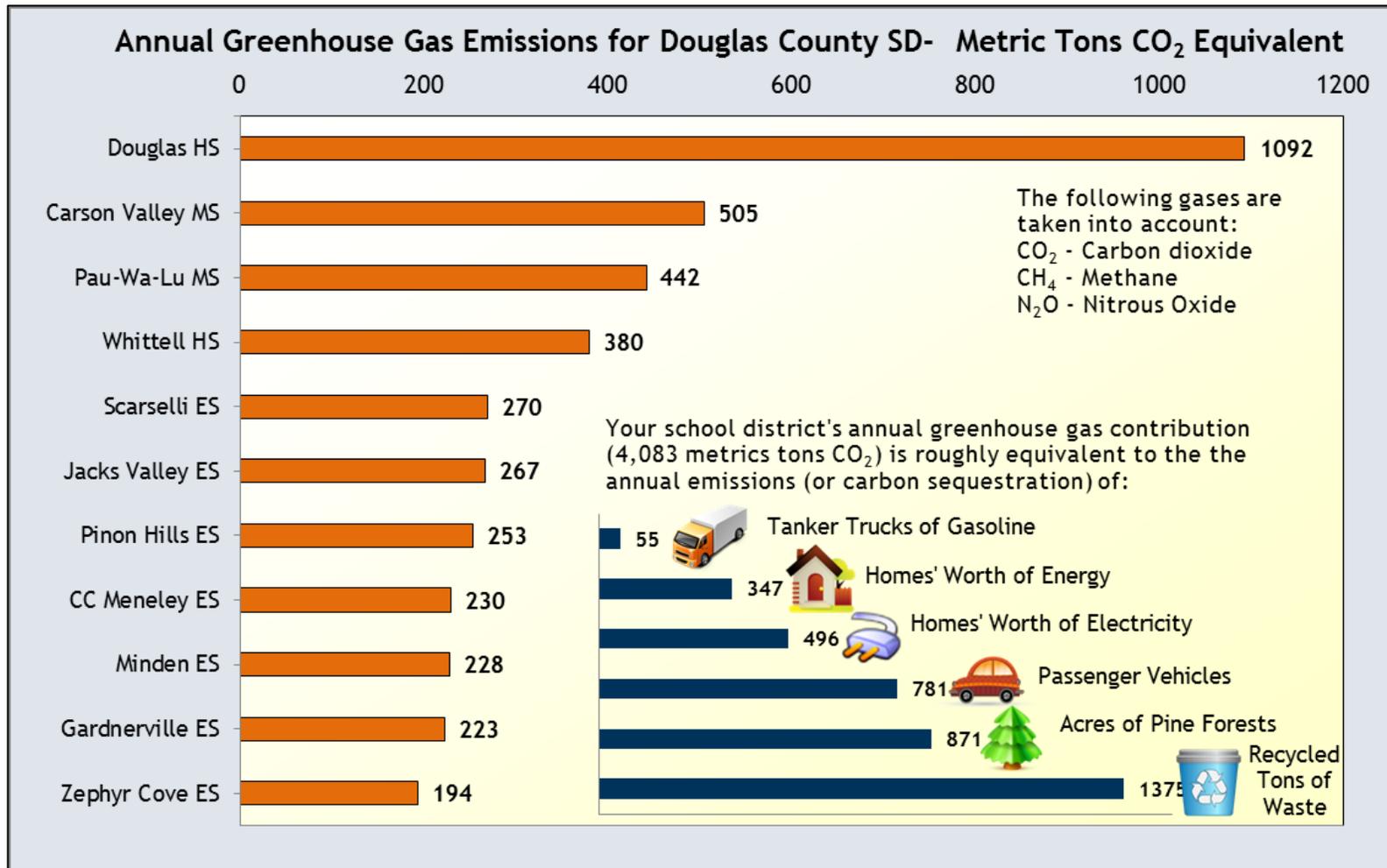
Annual Energy Use and Cost Savings Compared to the Base Year²

School Name	Energy Consumption (MMBtu)					Energy Cost (\$)			
	Base Year	Current Year	Gross Change	Adjusted Change	% Change	Base Year	Current Year	Gross Change	Adjusted Change
Whittell HS	5,815	5,391	423	2,861	35%	\$113,570	\$70,098	\$43,473	\$56,876
Gardnerville ES	3,437	2,807	630	1,099	28%	\$85,971	\$52,497	\$33,474	\$25,744
Pinon Hills ES	3,059	2,938	121	897	23%	\$76,098	\$59,299	\$16,799	\$18,839
Scarselli ES	3,852	3,311	541	541	14%	\$98,884	\$61,054	\$37,830	\$19,852
Jacks Valley ES	3,681	3,154	527	527	14%	\$103,517	\$63,086	\$40,431	\$21,988
Minden ES	3,482	2,710	772	772	22%	\$87,886	\$50,914	\$36,972	\$22,564
Pau-Wa-Lu MS	5,959	5,045	913	913	15%	\$157,062	\$101,472	\$55,590	\$29,370
Douglas HS	13,933	13,890	43	43	0%	\$340,218	\$228,175	\$112,044	\$47,914
Carson Valley MS	6,532	6,753	-220	-220	-3%	\$152,156	\$102,616	\$49,540	\$15,054
CC Meneley ES	3,284	2,692	592	592	18%	\$90,421	\$55,693	\$34,728	\$21,963
Zephyr Cove ES	1,692	2,633	-941	-941	-56%	\$42,722	\$37,426	\$5,296	-\$6,236
Total	54,726	51,324	3,401	7,084	11%	\$1,348,505	\$882,329	\$466,176	\$273,928

² This study normalizes natural gas usage for changes in weather. Statistical regression analysis was used to determine the interaction between heating degree days and natural gas usage in the base year. After a significant relationship was determined, the heating degree days from the current year were applied, effectively equating the weather between the years.

Greenhouse Gas Emissions³

This benchmarking analysis accounts for GHG emissions produced by 12 months of electricity and heating fuel (natural gas) consumption. The following table shows your buildings' greenhouse gas emissions from lowest to highest annual metric tons of carbon dioxide emitted.



³ The information in this section on greenhouses gases was derived in large part from *Local Government Operations Protocol for the quantification and reporting of greenhouse gas emissions inventories.* http://www.theclimateregistry.org/downloads/2009/05/LGO_Protocol.pdf

References

Innovative Financing Solutions: Finding Money for Your Energy Efficiency Projects – A Primer for Public Sector Energy, Facility, and Financial Managers from the U.S. Environmental Protection Agency’s ENERGY STAR® Program. US EPA, November 2004.

Climate and Energy Strategies Guide: Energy Efficiency in K-12 Schools, US EPA, October 2009

ENERGY STAR® Cash Flow Opportunity Calculator. US EPA, CFO Calculator Version 1.1

Commercial Building Energy Consumption Survey (CBECS). US DOE Energy Information Administration, 2003. http://www.eia.doe.gov/emeu/cbecs/cbecs2003/detailed_tables_2003/detailed_tables_2003.html.

Building Energy Data Book. US DOE Energy Efficiency and Renewable Energy, 2007. <http://buildingsdatabook.eren.doe.gov/>.

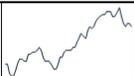
Appendix

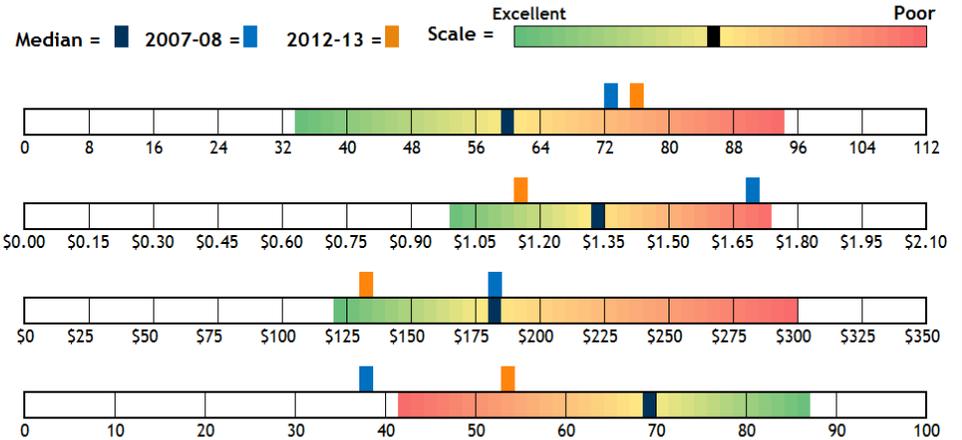
Energy Performance Charts for Individual Schools

Energy Performance Benchmarking Analysis

Carson Valley Middle School / Douglas County SD

1477 Hwy 395, Gardnerville, NV

CLEAR Result Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	60.8	73.0		75.5
Energy Cost Index (\$/sq.ft)	\$1.33	\$1.70		\$1.15
Energy Cost per Student	\$181	\$185		\$135
EPA Portfolio Manager Score	70	38		54



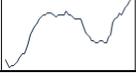
* Median for other gas-heated middle schools in the North NV climate region.

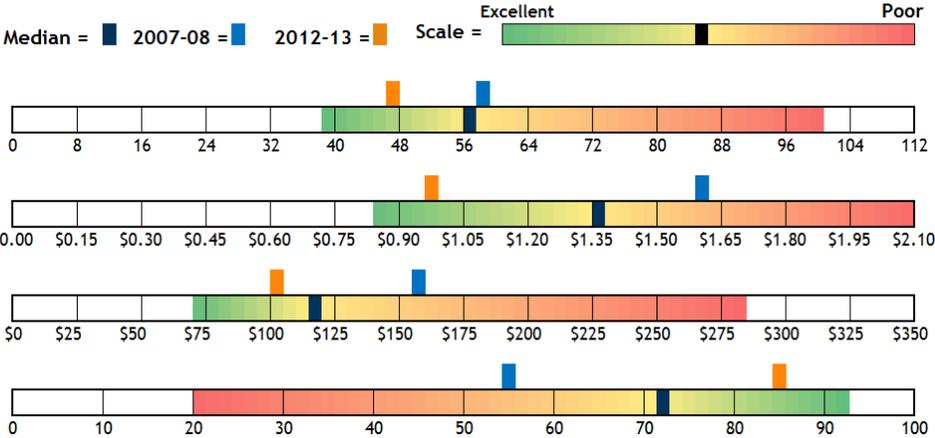
Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	41,159	\$4,085	255	\$381	Use- Electricity (kWh)	898,653	693,060	205,593
Type of School	Middle	Jul-12	48,695	\$5,653	192	\$348	Use- Gas (therms)	34,662	43,879	(9,217)
Type of Heating System	Gas	Aug-12	63,239	\$7,010	267	\$375	Use- Electricity (MMBtu)	3,066	2,365	701
Year Built	1966	Sep-12	57,575	\$6,736	690	\$653	Use- Gas (MMBtu)	3,466	4,388	(922)
Floor Area (sq. ft.)	89,449	Oct-12	50,183	\$5,803	2,467	\$1,773	Use- Total Energy (MMBtu)	6,532	6,753	(220)
Weekly Operating Hours	68	Nov-12	59,687	\$6,137	5,533	\$3,608	Use- Electricity % of Total	47%	35%	N/A
Number of Students	761	Dec-12	59,159	\$5,415	11,936	\$7,518	Cost- Electricity (\$)	\$112,095	\$72,688	\$39,407
Number of PCs	255	Jan-13	71,063	\$6,846	9,737	\$6,248	Cost- Gas (\$)	\$40,061	\$29,928	\$10,133
On-Site Cooking?	Yes	Feb-13	68,375	\$6,636	6,856	\$4,472	Cost- Total Energy (\$)	\$152,156	\$102,616	\$49,540
Walk-In Refrigerators	2	Mar-13	60,311	\$6,054	3,151	\$2,348	Cost- Electricity % of Total	74%	71%	N/A
Percent Cooled	90	Apr-13	51,335	\$5,630	2,051	\$1,525	Electricity Cost per kWh	\$0.17	\$0.15	N/A
Percent Heated	100	May-13	62,279	\$6,683	744	\$679	Gas Cost per therm	\$1.16	\$0.68	N/A

Energy Performance Benchmarking Analysis

CC Meneley Elementary / Douglas County SD

1446 Muir Drive, Gardnerville, NV

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	56.9	58.2		47.7
Energy Cost Index (\$/sq.ft)	\$1.35	\$1.60		\$0.99
Energy Cost per Student	\$117	\$158		\$101
EPA Portfolio Manager Score	72	55		85



* Median for other gas-heated elementary schools in the North NV climate region.

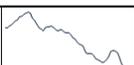
Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	24,576	\$3,252	358	\$433	Use- Electricity (kWh)	631,760	411,648	220,112
Type of School	Elementary	Jul-12	44,928	\$4,671	148	\$224	Use- Gas (therms)	11,286	12,872	(1,586)
Type of Heating System	Gas	Aug-12	26,496	\$3,701	192	\$291	Use- Electricity (MMBtu)	2,156	1,405	751
Year Built	1980	Sep-12	33,024	\$3,136	198	\$294	Use- Gas (MMBtu)	1,129	1,287	(159)
Floor Area (sq. ft.)	56,414	Oct-12	36,096	\$4,187	775	\$660	Use- Total Energy (MMBtu)	3,284	2,692	592
Weekly Operating Hours	60	Nov-12	36,480	\$3,997	1,647	\$1,153	Use- Electricity % of Total	66%	52%	N/A
Number of Students	550	Dec-12	40,704	\$4,002	3,290	\$2,113	Cost- Electricity (\$)	\$76,328	\$45,836	\$30,492
Number of PCs	122	Jan-13	32,640	\$3,462	1,834	\$1,274	Cost- Gas (\$)	\$14,093	\$9,857	\$4,237
On-Site Cooking?	Yes	Feb-13	29,952	\$3,256	1,847	\$1,282	Cost- Total Energy (\$)	\$90,421	\$55,693	\$34,728
Walk-In Refrigerators	2	Mar-13	36,480	\$4,082	1,030	\$827	Cost- Electricity % of Total	84%	82%	N/A
Percent Cooled	100	Apr-13	34,944	\$4,008	945	\$758	Electricity Cost per kWh	\$0.14	\$0.14	N/A
Percent Heated	100	May-13	35,328	\$4,083	608	\$547	Gas Cost per therm	\$1.25	\$0.77	N/A

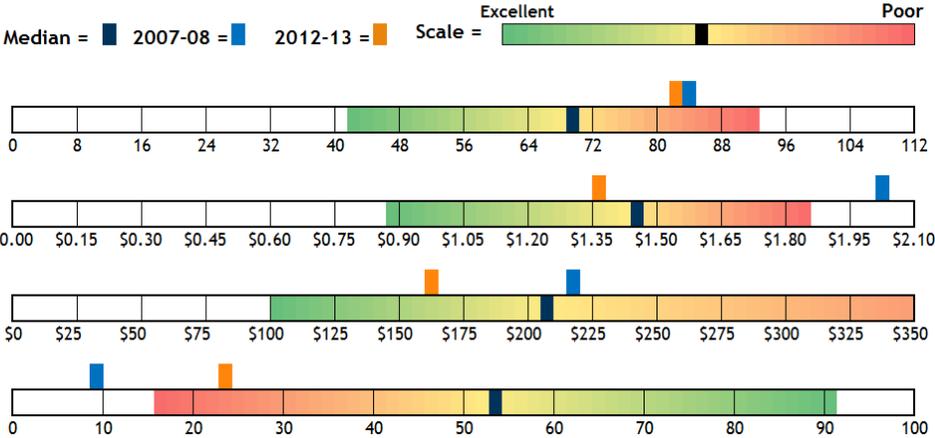


Energy Performance Benchmarking Analysis

Douglas High School / Douglas County SD

1670 Hwy 88, Minden, NV

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	69.6	83.2		82.9
Energy Cost Index (\$/sq.ft)	\$1.44	\$2.03		\$1.36
Energy Cost per Student	\$209	\$218		\$164
EPA Portfolio Manager Score	53	9		23



* Median for other gas-heated high schools in the North NV climate region.

Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	129,248	\$13,659	564	\$933	Use- Electricity (kWh)	2,271,414	1,682,040	589,374
Type of School	High	Jul-12	131,592	\$14,227	429	\$860	Use- Gas (therms)	61,831	81,512	(19,681)
Type of Heating System	Gas	Aug-12	158,160	\$16,715	589	\$914	Use- Electricity (MMBtu)	7,750	5,739	2,011
Year Built	1976	Sep-12	137,576	\$15,199	1,355	\$1,876	Use- Gas (MMBtu)	6,183	8,151	(1,968)
Floor Area (sq. ft.)	167,560	Oct-12	133,664	\$13,743	5,388	\$3,996	Use- Total Energy (MMBtu)	13,933	13,890	43
Weekly Operating Hours	68	Nov-12	147,608	\$14,464	11,708	\$7,526	Use- Electricity % of Total	56%	41%	N/A
Number of Students	1,390	Dec-12	147,904	\$14,572	20,086	\$12,478	Cost- Electricity (\$)	\$267,831	\$171,401	\$96,431
Number of PCs	341	Jan-13	166,176	\$15,759	18,092	\$11,500	Cost- Gas (\$)	\$72,387	\$56,774	\$15,613
On-Site Cooking?	Yes	Feb-13	142,456	\$13,742	12,082	\$7,861	Cost- Total Energy (\$)	\$340,218	\$228,175	\$112,044
Walk-In Refrigerators	2	Mar-13	128,472	\$12,736	5,534	\$4,199	Cost- Electricity % of Total	79%	75%	N/A
Percent Cooled	100	Apr-13	126,624	\$13,009	4,061	\$3,081	Electricity Cost per kWh	\$0.15	\$0.14	N/A
Percent Heated	100	May-13	132,560	\$13,578	1,624	\$1,551	Gas Cost per therm	\$1.17	\$0.70	N/A

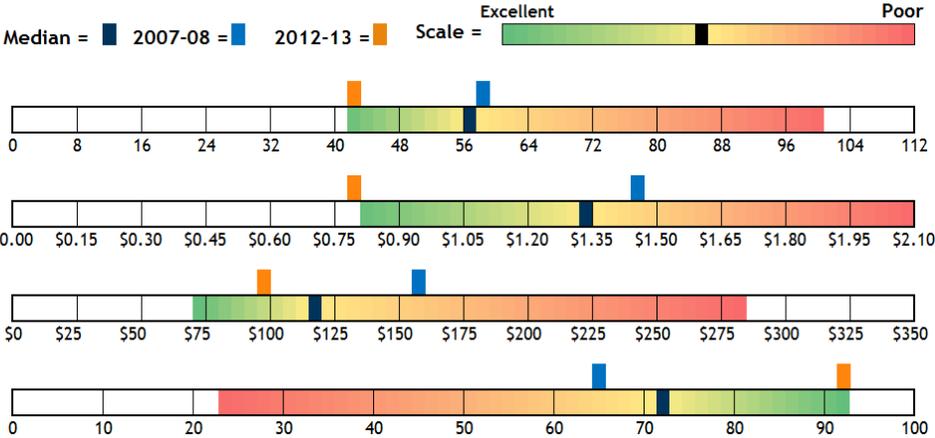


Energy Performance Benchmarking Analysis

Gardnerville Elementary / Douglas County SD

1290 Toler Avenue, Gardnerville, NV

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	56.9	58.6		42.1
Energy Cost Index (\$/sq.ft)	\$1.35	\$1.47		\$0.79
Energy Cost per Student	\$117	\$158		\$98
EPA Portfolio Manager Score	73	65		92



* Median for other gas-heated elementary schools in the North NV climate region.

Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	15,520	\$2,326	14	\$189	Use- Electricity (kWh)	503,340	349,280	154,060
Type of School	Elementary	Jul-12	14,320	\$2,220	15	\$197	Use- Gas (therms)	17,197	16,152	1,045
Type of Heating System	Gas	Aug-12	14,000	\$2,198	107	\$263	Use- Electricity (MMBtu)	1,717	1,192	526
Year Built	1909	Sep-12	56,720	\$5,837	196	\$321	Use- Gas (MMBtu)	1,720	1,615	105
Floor Area (sq. ft.)	66,600	Oct-12	29,360	\$3,552	814	\$716	Use- Total Energy (MMBtu)	3,437	2,807	630
Weekly Operating Hours	68	Nov-12	29,360	\$3,284	415	\$341	Use- Electricity % of Total	50%	42%	N/A
Number of Students	533	Dec-12	26,800	\$3,108	5,418	\$3,598	Cost- Electricity (\$)	\$64,722	\$39,908	\$24,814
Number of PCs	119	Jan-13	34,400	\$3,618	3,644	\$2,526	Cost- Gas (\$)	\$21,249	\$12,589	\$8,660
On-Site Cooking?	Yes	Feb-13	24,880	\$2,686	3,009	\$2,101	Cost- Total Energy (\$)	\$85,971	\$52,497	\$33,474
Walk-In Refrigerators	2	Mar-13	14,960	\$1,700	1,392	\$1,216	Cost- Electricity % of Total	75%	76%	N/A
Percent Cooled	100	Apr-13	54,400	\$5,163	878	\$765	Electricity Cost per kWh	\$0.17	\$0.15	N/A
Percent Heated	100	May-13	34,560	\$4,218	250	\$356	Gas Cost per therm	\$1.24	\$0.78	N/A

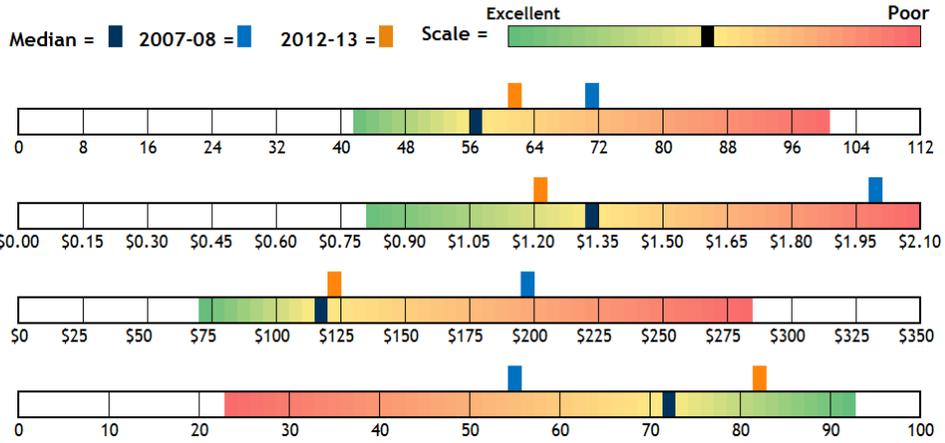


Energy Performance Benchmarking Analysis

Jacks Valley Elementary / Douglas County SD

701 Jacks Valley Road, Carson City, NV

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	56.9	71.2		61.0
Energy Cost Index (\$/sq.ft)	\$1.35	\$2.00		\$1.22
Energy Cost per Student	\$117	\$198		\$123
EPA Portfolio Manager Score	73	55		82



* Median for other gas-heated elementary schools in the North NV climate region.

Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	43,736	\$4,730	335	\$418	Use- Electricity (kWh)	698,074	471,952	226,122
Type of School	Elementary	Jul-12	24,066	\$2,892	47	\$196	Use- Gas (therms)	12,995	15,438	(2,443)
Type of Heating System	Gas	Aug-12	45,627	\$5,084	166	\$273	Use- Electricity (MMBtu)	2,382	1,610	772
Year Built	1981	Sep-12	42,382	\$4,793	96	\$223	Use- Gas (MMBtu)	1,300	1,544	(244)
Floor Area (sq. ft.)	51,740	Oct-12	40,212	\$4,509	652	\$580	Use- Total Energy (MMBtu)	3,681	3,154	527
Weekly Operating Hours	60	Nov-12	44,309	\$4,486	2,013	\$1,381	Use- Electricity % of Total	65%	51%	N/A
Number of Students	511	Dec-12	37,920	\$4,035	3,426	\$2,191	Cost- Electricity (\$)	\$87,854	\$51,233	\$36,621
Number of PCs	188	Jan-13	42,306	\$4,273	2,719	\$1,809	Cost- Gas (\$)	\$15,663	\$11,853	\$3,810
On-Site Cooking?	Yes	Feb-13	38,936	\$4,020	2,059	\$1,410	Cost- Total Energy (\$)	\$103,517	\$63,086	\$40,431
Walk-In Refrigerators	2	Mar-13	37,377	\$3,918	2,792	\$2,329	Cost- Electricity % of Total	85%	81%	N/A
Percent Cooled	100	Apr-13	35,283	\$4,018	800	\$667	Electricity Cost per kWh	\$0.15	\$0.13	N/A
Percent Heated	100	May-13	39,798	\$4,475	333	\$375	Gas Cost per therm	\$1.21	\$0.77	N/A

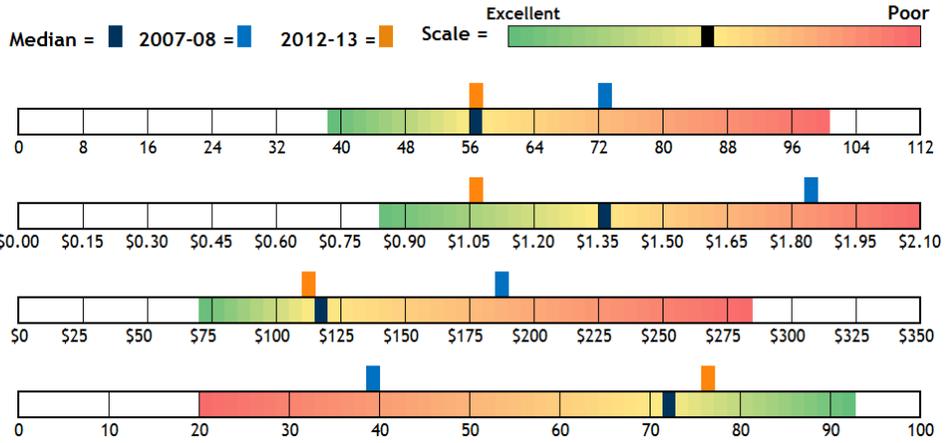


Energy Performance Benchmarking Analysis

Minden Elementary / Douglas County SD

1170 Baler Street, Minden, NV

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	56.9	72.6		56.5
Energy Cost Index (\$/sq.ft)	\$1.35	\$1.83		\$1.06
Energy Cost per Student	\$117	\$186		\$113
EPA Portfolio Manager Score	72	39		77



* Median for other gas-heated elementary schools in the North NV climate region.

Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	27,072	\$2,825	280	\$369	Use- Electricity (kWh)	609,504	397,632	211,872
Type of School	Elementary	Jul-12	32,256	\$3,238	15	\$169	Use- Gas (therms)	14,019	13,529	490
Type of Heating System	Gas	Aug-12	36,288	\$3,795	99	\$226	Use- Electricity (MMBtu)	2,080	1,357	723
Year Built	1995	Sep-12	33,408	\$3,593	265	\$337	Use- Gas (MMBtu)	1,402	1,353	49
Floor Area (sq. ft.)	47,971	Oct-12	31,104	\$3,352	976	\$790	Use- Total Energy (MMBtu)	3,482	2,710	772
Weekly Operating Hours	68	Nov-12	40,128	\$3,879	2,058	\$1,385	Use- Electricity % of Total	60%	50%	N/A
Number of Students	449	Dec-12	33,408	\$3,371	3,744	\$2,391	Cost- Electricity (\$)	\$71,089	\$40,633	\$30,457
Number of PCs	105	Jan-13	31,680	\$3,080	2,317	\$1,566	Cost- Gas (\$)	\$16,797	\$10,281	\$6,516
On-Site Cooking?	Yes	Feb-13	33,024	\$3,211	1,835	\$1,275	Cost- Total Energy (\$)	\$87,886	\$50,914	\$36,972
Walk-In Refrigerators	2	Mar-13	29,952	\$3,031	950	\$819	Cost- Electricity % of Total	81%	80%	N/A
Percent Cooled	100	Apr-13	31,104	\$3,397	707	\$609	Electricity Cost per kWh	\$0.14	\$0.13	N/A
Percent Heated	100	May-13	38,208	\$3,861	283	\$344	Gas Cost per therm	\$1.20	\$0.76	N/A

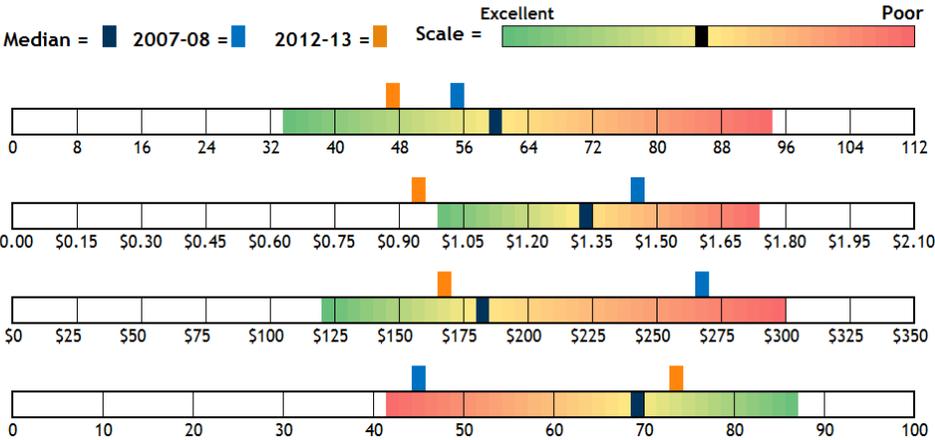


Energy Performance Benchmarking Analysis

Pau-Wa-Lu Middle School / Douglas County SD

701 Long Valley Road, Gardnerville, NV

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	60.8	55.5		47.0
Energy Cost Index (\$/sq.ft)	\$1.33	\$1.46		\$0.94
Energy Cost per Student	\$181	\$269		\$166
EPA Portfolio Manager Score	70	45		73



* Median for other gas-heated middle schools in the North NV climate region.

Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	63,744	\$6,607	805	\$778	Use- Electricity (kWh)	1,108,800	825,024	283,776
Type of School	Middle	Jul-12	63,936	\$7,214	236	\$354	Use- Gas (therms)	21,753	22,304	(551)
Type of Heating System	Gas	Aug-12	92,160	\$9,498	407	\$441	Use- Electricity (MMBtu)	3,783	2,815	968
Year Built	1993	Sep-12	79,488	\$8,502	387	\$424	Use- Gas (MMBtu)	2,175	2,230	(55)
Floor Area (sq. ft.)	107,410	Oct-12	73,152	\$7,972	1,292	\$995	Use- Total Energy (MMBtu)	5,959	5,045	913
Weekly Operating Hours	68	Nov-12	64,704	\$6,387	2,712	\$1,791	Use- Electricity % of Total	63%	56%	N/A
Number of Students	611	Dec-12	61,056	\$6,141	5,282	\$3,290	Cost- Electricity (\$)	\$131,764	\$85,705	\$46,058
Number of PCs	229	Jan-13	75,840	\$7,061	4,189	\$2,696	Cost- Gas (\$)	\$25,299	\$15,767	\$9,532
On-Site Cooking?	Yes	Feb-13	60,480	\$5,931	3,586	\$2,332	Cost- Total Energy (\$)	\$157,062	\$101,472	\$55,590
Walk-In Refrigerators	2	Mar-13	54,336	\$5,587	1,568	\$1,180	Cost- Electricity % of Total	84%	84%	N/A
Percent Cooled	100	Apr-13	69,696	\$7,822	1,314	\$989	Electricity Cost per kWh	\$0.14	\$0.12	N/A
Percent Heated	100	May-13	66,432	\$6,984	526	\$496	Gas Cost per therm	\$1.16	\$0.71	N/A

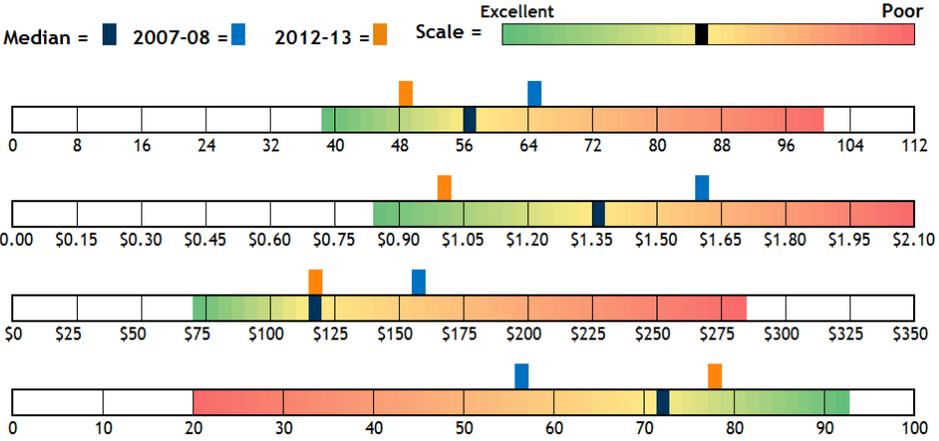


Energy Performance Benchmarking Analysis

Pinon Hills Elementary / Douglas County SD

1479 Stephanie Way, Minden, NV

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	56.9	64.7		49.5
Energy Cost Index (\$/sq.ft)	\$1.35	\$1.61		\$1.00
Energy Cost per Student	\$117	\$158		\$117
EPA Portfolio Manager Score	72	56		78



* Median for other gas-heated elementary schools in the North NV climate region.

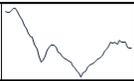
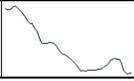
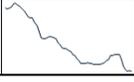
Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	40,896	\$4,567	46	\$205	Use- Electricity (kWh)	491,712	461,760	29,952
Type of School	Elementary	Jul-12	28,992	\$3,350	10	\$165	Use- Gas (therms)	13,811	13,625	186
Type of Heating System	Gas	Aug-12	49,728	\$5,199	30	\$178	Use- Electricity (MMBtu)	1,678	1,576	102
Year Built	1995	Sep-12	40,896	\$4,624	167	\$270	Use- Gas (MMBtu)	1,381	1,363	19
Floor Area (sq. ft.)	59,303	Oct-12	34,368	\$4,151	1,132	\$888	Use- Total Energy (MMBtu)	3,059	2,938	121
Weekly Operating Hours	68	Nov-12	38,400	\$3,976	1,665	\$1,144	Use- Electricity % of Total	55%	54%	N/A
Number of Students	507	Dec-12	32,064	\$3,371	4,108	\$2,610	Cost- Electricity (\$)	\$60,210	\$48,961	\$11,249
Number of PCs	93	Jan-13	38,208	\$3,661	2,489	\$1,670	Cost- Gas (\$)	\$15,888	\$10,338	\$5,550
On-Site Cooking?	Yes	Feb-13	38,208	\$3,661	2,339	\$1,579	Cost- Total Energy (\$)	\$76,098	\$59,299	\$16,799
Walk-In Refrigerators	2	Mar-13	38,208	\$3,822	916	\$843	Cost- Electricity % of Total	79%	83%	N/A
Percent Cooled	100	Apr-13	35,328	\$3,798	568	\$522	Electricity Cost per kWh	\$0.15	\$0.13	N/A
Percent Heated	100	May-13	46,464	\$4,782	155	\$264	Gas Cost per therm	\$1.15	\$0.76	N/A

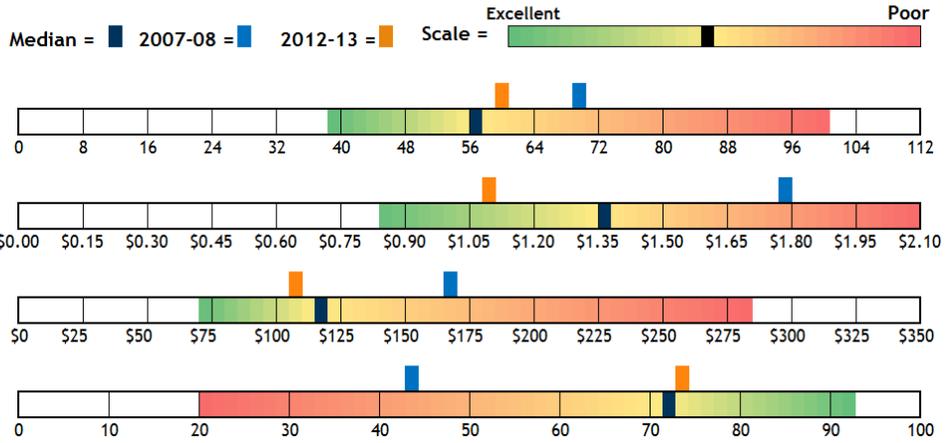


Energy Performance Benchmarking Analysis

Scarselli Elementary / Douglas County SD

699 Long Valley Road, Gardnerville, NV

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	56.9	69.2		59.5
Energy Cost Index (\$/sq.ft)	\$1.35	\$1.78		\$1.10
Energy Cost per Student	\$117	\$166		\$105
EPA Portfolio Manager Score	72	44		74



* Median for other gas-heated elementary schools in the North NV climate region.

Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	36,096	\$4,012	233	\$337	Use- Electricity (kWh)	644,310	445,824	198,486
Type of School	Elementary	Jul-12	37,056	\$4,221	54	\$202	Use- Gas (therms)	16,538	17,902	(1,364)
Type of Heating System	Gas	Aug-12	47,808	\$5,576	72	\$207	Use- Electricity (MMBtu)	2,198	1,521	677
Year Built	1986	Sep-12	39,552	\$4,750	168	\$273	Use- Gas (MMBtu)	1,654	1,790	(136)
Floor Area (sq. ft.)	55,640	Oct-12	36,096	\$4,555	1,014	\$815	Use- Total Energy (MMBtu)	3,852	3,311	541
Weekly Operating Hours	68	Nov-12	47,232	\$4,463	2,695	\$1,781	Use- Electricity % of Total	57%	46%	N/A
Number of Students	579	Dec-12	20,544	\$2,625	4,545	\$2,854	Cost- Electricity (\$)	\$79,265	\$48,100	\$31,165
Number of PCs	129	Jan-13	30,912	\$1,226	3,594	\$2,337	Cost- Gas (\$)	\$19,619	\$12,954	\$6,665
On-Site Cooking?	Yes	Feb-13	32,640	\$3,443	3,146	\$2,067	Cost- Total Energy (\$)	\$98,884	\$61,054	\$37,830
Walk-In Refrigerators	2	Mar-13	33,408	\$3,811	970	\$865	Cost- Electricity % of Total	80%	79%	N/A
Percent Cooled	100	Apr-13	43,200	\$5,005	1,001	\$793	Electricity Cost per kWh	\$0.15	\$0.14	N/A
Percent Heated	100	May-13	41,280	\$4,412	410	\$424	Gas Cost per therm	\$1.19	\$0.72	N/A

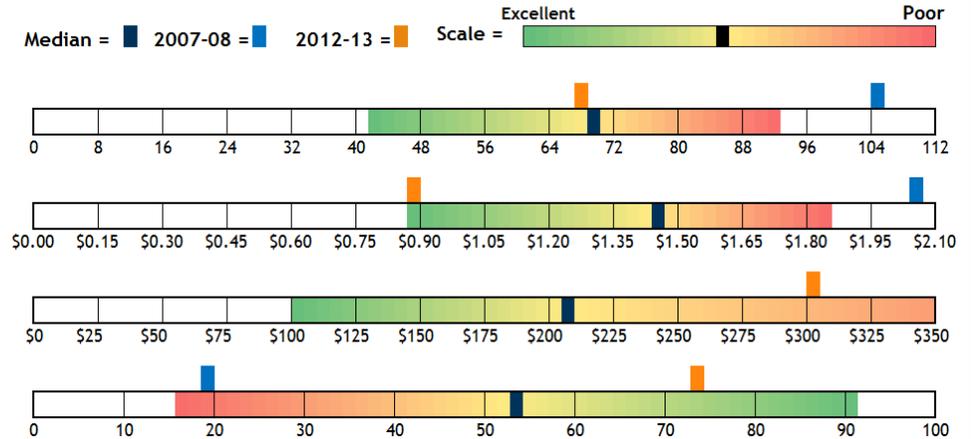


Energy Performance Benchmarking Analysis

Whittell High School / Douglas County SD

240 Warrior Way, Zephyr Cove, NV

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	69.6	104.7		68.4
Energy Cost Index (\$/sq.ft)	\$1.44	\$2.05		\$0.89
Energy Cost per Student	\$209	\$557		\$302
EPA Portfolio Manager Score	53	20		73



* Median for other gas-heated high schools in the North NV climate region.

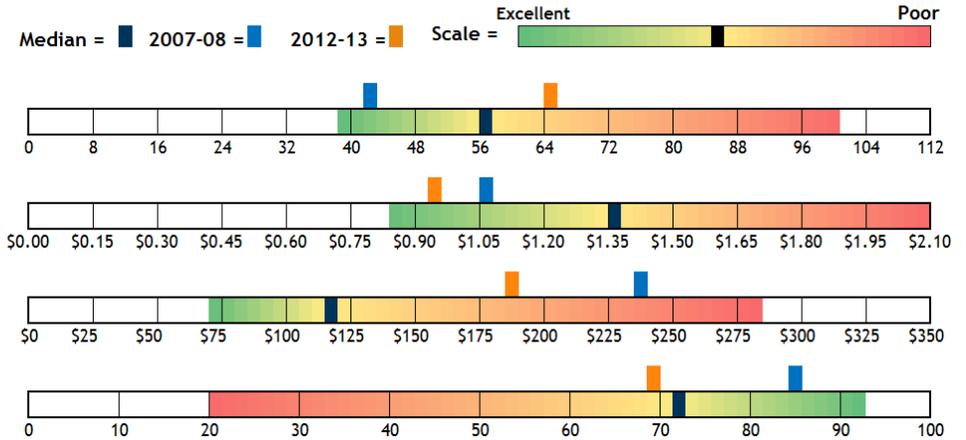
Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	24,840	\$3,046	785	\$723	Use- Electricity (kWh)	633,221	444,549	188,672
Type of School	High	Jul-12	26,558	\$3,206	195	\$307	Use- Gas (therms)	36,540	38,743	(2,203)
Type of Heating System	Gas	Aug-12	34,718	\$3,772	190	\$277	Use- Electricity (MMBtu)	2,161	1,517	644
Year Built	1959	Sep-12	34,281	\$3,540	509	\$484	Use- Gas (MMBtu)	3,654	3,874	(220)
Floor Area (sq. ft.)	78,812	Oct-12	39,841	\$3,973	2,709	\$1,833	Use- Total Energy (MMBtu)	5,815	5,391	423
Weekly Operating Hours	68	Nov-12	45,052	\$4,384	5,009	\$3,014	Use- Electricity % of Total	37%	28%	N/A
Number of Students	232	Dec-12	46,573	\$4,481	8,451	\$4,951	Cost- Electricity (\$)	\$73,390	\$45,443	\$27,947
Number of PCs	114	Jan-13	48,406	\$4,479	7,524	\$4,507	Cost- Gas (\$)	\$40,180	\$24,654	\$15,526
On-Site Cooking?	Yes	Feb-13	41,054	\$3,979	5,825	\$3,525	Cost- Total Energy (\$)	\$113,570	\$70,098	\$43,473
Walk-In Refrigerators	2	Mar-13	35,102	\$3,580	3,362	\$2,210	Cost- Electricity % of Total	65%	65%	N/A
Percent Cooled	0	Apr-13	36,791	\$3,688	2,719	\$1,787	Electricity Cost per kWh	\$0.18	\$0.16	N/A
Percent Heated	100	May-13	31,333	\$3,315	1,465	\$1,037	Gas Cost per therm	\$1.10	\$0.64	N/A

Energy Performance Benchmarking Analysis

Zephyr Cove Elementary / Douglas County SD

226 Warrior Way, Zephyr Cove, NV

CLEAResult Benchmarks	Local Median*	Your Energy Benchmarks		
		2007-08	5-Yr Trend	2012-13
Energy Use Index (kBtu/sq.ft)	56.9	42.1		65.5
Energy Cost Index (\$/sq.ft)	\$1.35	\$1.06		\$0.93
Energy Cost per Student	\$117	\$237		\$188
EPA Portfolio Manager Score	72	85		69



* Median for other gas-heated elementary schools in the North NV climate region.

Building Characteristics		2012-13 Monthly Utility Data					Energy Use/Cost Comparison			
		Month	kWh	Cost	Therms	Cost	Category	2007-08	2012-13	Change
Climate Region	North NV	Jun-12	15,800	\$1,379	54	\$190	Use- Electricity (kWh)	260,120	255,080	5,040
Type of School	Elementary	Jul-12	32,600	\$2,846	41	\$183	Use- Gas (therms)	8,042	17,626	(9,584)
Type of Heating System	Gas	Aug-12	22,520	\$2,224	44	\$180	Use- Electricity (MMBtu)	888	870	17
Year Built	1962	Sep-12	22,000	\$2,189	161	\$256	Use- Gas (MMBtu)	804	1,763	(958)
Floor Area (sq. ft.)	40,206	Oct-12	22,600	\$2,265	1,212	\$903	Use- Total Energy (MMBtu)	1,692	2,633	(941)
Weekly Operating Hours	68	Nov-12	20,760	\$2,119	2,521	\$1,595	Use- Electricity % of Total	52%	33%	N/A
Number of Students	199	Dec-12	20,960	\$2,111	3,720	\$2,269	Cost- Electricity (\$)	\$32,696	\$25,206	\$7,490
Number of PCs	78	Jan-13	23,560	\$2,321	3,428	\$2,140	Cost- Gas (\$)	\$10,026	\$12,220	(\$2,194)
On-Site Cooking?	Yes	Feb-13	20,520	\$2,077	3,062	\$1,929	Cost- Total Energy (\$)	\$42,722	\$37,426	\$5,296
Walk-In Refrigerators	2	Mar-13	18,640	\$1,935	1,716	\$1,257	Cost- Electricity % of Total	77%	67%	N/A
Percent Cooled	0	Apr-13	16,200	\$1,777	1,195	\$875	Electricity Cost per kWh	\$0.16	\$0.15	N/A
Percent Heated	100	May-13	18,920	\$1,962	472	\$442	Gas Cost per therm	\$1.25	\$0.69	N/A