

**Spring Branch Independent School District
Agenda Item Information**

Date of Board Meeting: February 23, 2009

Subject: Quarterly Energy Report: October – December 2008

Administrator Responsible:

Name: Ruben Reyes

Position: Associate Superintendent for Operations

Purpose of Agenda Item:

Information only **Action needed** **Report**

Additional Information and/or Backup:

Please see attached Energy Use Index and Cost Comparison reports.

Q2 Energy Use Index Comparison

		<i>SQFT</i>	<i>EUI Previous</i>	<i>EUI Current</i>	<i>Difference</i>
<i>High School</i>					
1	Memorial High	311115	11,054	9,059	-1,995
3	Spring Woods High	336366	12,679	10,597	-2,082
5	Northbrook High	394609	11,402	7,712	-3,690
6	Stratford High	320000	22,523	15,757	-6,766
7	Guthrie Center	83614	12,869	16,793	3,924
14	Westchester Academy	294963	16,845	12,661	-4,184
38	Spring Branch Education Center	268780	9,342	8,576	-766
<i>High School Total</i>		2,009,447	13,917	10,905	-3,013
<i>Middle School</i>					
41	Landrum Middle	177665	10,136	9,149	-987
42	Memorial Middle	188852	7,241	6,697	-544
43	Spring Branch Middle	226208	7,917	8,129	212
44	Spring Woods Middle	200616	10,284	10,433	149
45	Spring Forest Middle	192559	10,475	11,073	598
46	Spring Oaks Middle	189660	10,861	8,196	-2,665
47	Northbrook Middle	203020	13,178	12,150	-1,028
<i>Middle School Total</i>		1,378,580	9,992	9,412	-580
<i>Elementary</i>					
101	Bendwood	38830	13,170	14,889	1,719
102	Bunker Hill Elementary	58385	9,394	11,951	2,557
103	Edgewood Elementary	68978	12,689	16,148	3,459
104	Frostwood Elementary	60625	12,468	17,681	5,213
105	Hollibrook Elementary	95043	8,380	9,106	726
106	Housman Elementary	76895	11,403	13,016	1,613
107	Hunters Creek Elementary	61937	8,508	10,708	2,200
108	Meadow Wood Elementary	72722	7,831	10,882	3,051
109	Memorial Drive Elementary	58965	11,365	12,777	1,412
110	Pine Shadows Elementary	86910	14,725	11,994	-2,731
111	Ridgecrest Elementary	88853	14,240	14,507	267
112	Rummel Creek Elementary	72615	12,739	16,627	3,888
113	Shadow Oaks Elementary	84558	9,974	9,962	-12
114	Spring Branch Elementary	77352	12,544	13,252	708

		<i>SQFT</i>	<i>EUI Previous</i>	<i>EUI Current</i>	<i>Difference</i>
115	Valley Oaks Elementary	75697	11,990	12,927	937
116	Westwood Elementary	56409	16,437	18,794	2,357
117	Woodview Elementary	70508	10,820	11,607	787
118	Wilchester Elementary	71798	12,858	15,712	2,854
119	Sherwood Elementary	69371	9,375	9,452	77
120	Spring Shadows Elementary	83904	11,714	9,261	-2,453
121	Nottingham Elementary	66393	10,353	12,775	2,422
122	Terrace Elementary	74349	9,738	12,810	3,072
123	Thornwood Elementary	69038	14,744	16,126	1,382
124	Cedar Brook Elementary	82179	15,967	29,775	13,808
125	Treasure Forest Elementary	82149	11,777	12,797	1,020
126	Buffalo Creek Elementary	82179	11,312	14,709	3,397
<i>Elementary Total</i>		1,886,642	11,771	13,771	2,000
<i>PK School</i>					
128	Wildcat Way School	26000	18,428	18,147	-281
129	Panda Path School	15618	1,404	1,639	235
130	Lion Lane School	26000	18,948	22,828	3,880
131	Bear Blvd. School	26000	18,214	20,265	2,051
132	Tiger Trail School	26000	19,631	21,214	1,583
<i>PK School Total</i>		119,618	16,533	18,136	1,603
<i>District EUI</i>		5,394,287	12,221	11,686	-535

Quarterly Energy Use Comparison

	<i>Previous Year Use</i>	<i>Current Year Use</i>	<i>Difference</i>	<i>Percent</i>
Q2				
Electricity				
Elementary	5,061,445	6,072,411	1,010,966	19.97%
High School	5,554,590	4,789,907	-764,683	-13.77%
Middle School	3,108,506	3,005,034	-103,472	-3.33%
PK School	536,064	594,048	57,984	10.82%
Support	864,334	1,067,449	203,115	23.50%
	15,124,939	15,528,849	403,910	2.67%
Natural Gas				
Elementary	48,408	51,588	3,180	6.57%
High School	88,372	54,593	-33,779	-38.22%
Middle School	31,062	26,688	-4,374	-14.08%
PK School	1,457	1,397	-60	-4.12%
Support	8,706	10,179	1,473	16.92%
	178,005	144,445	-33,560	-18.85%
Water				
Elementary	7,040	6,283	-757	-10.75%
High School	8,935	9,615	680	7.61%
Middle School	4,270	6,989	2,719	63.68%
PK School	735	636	-99	-13.47%
Support	1,313	947	-366	-27.88%
	22,293	24,470	2,177	9.77%

Quarterly Energy Report

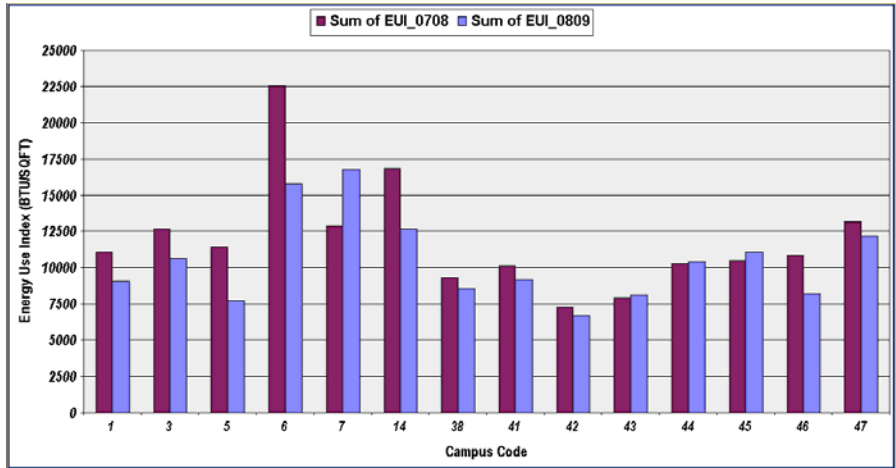
October - December 2008

*Presented by
Rebecca Cordeiro de Peredo*

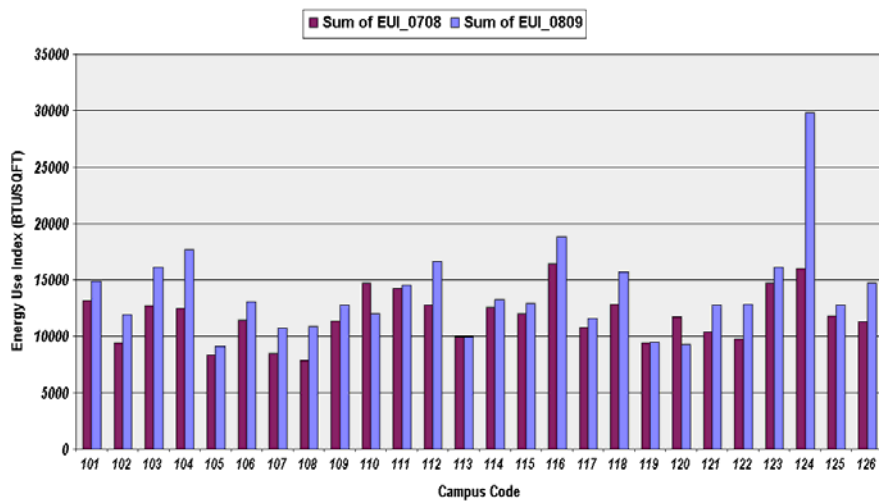
Comments

- Very large temperature swings requiring both cooling and heating often in the same day.
- Some operator errors resulting in extended mechanical equipment run times.

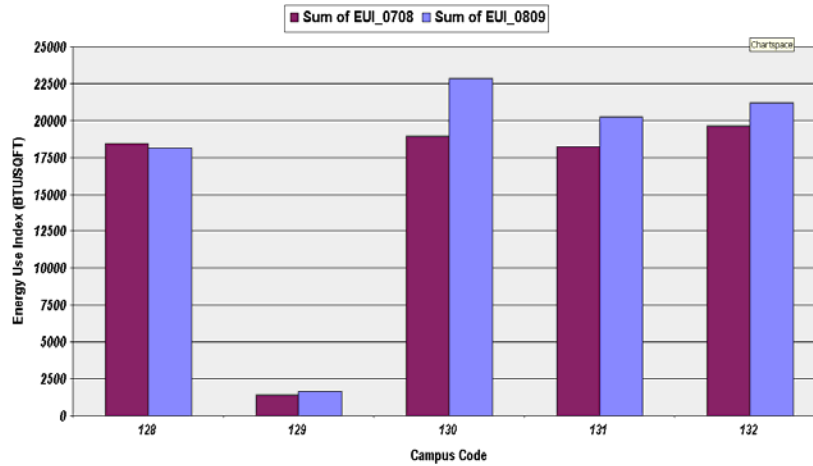
Energy Use Index - Secondary



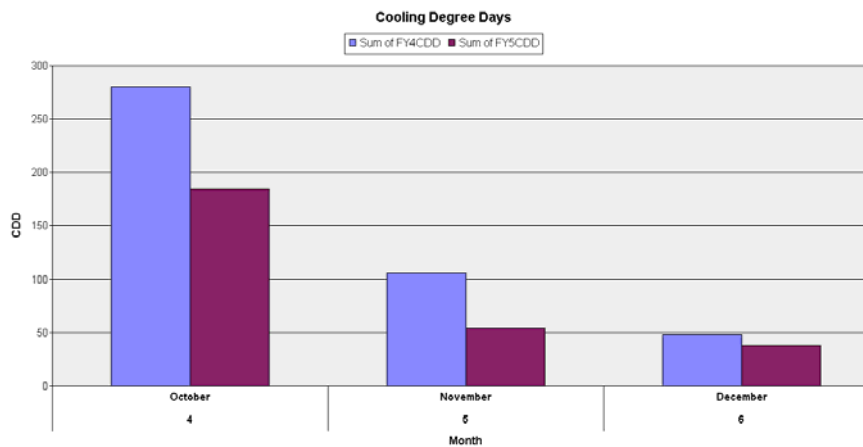
Energy Use Index-Elementary



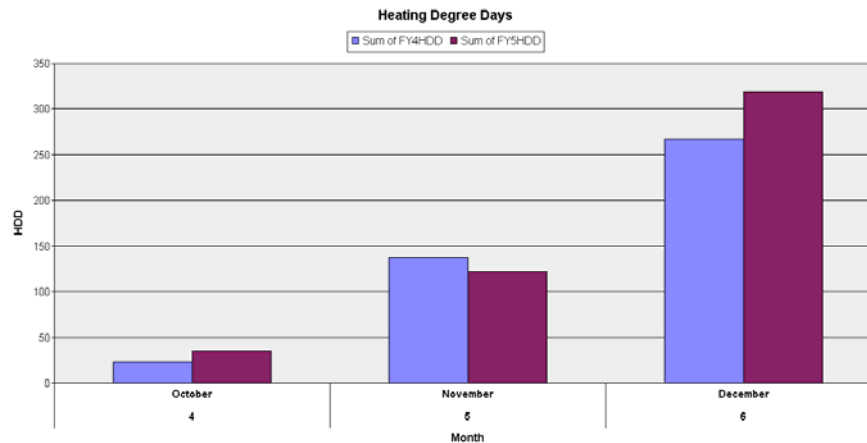
Energy Use Index – Pre K



Weather – Cooling Need



Weather – Heating need



Summary

Energy Use

Utility	Use 07-08	Use 08-09	Difference	Percent
Electricity	15,124,939	15,528,849	403,910	2.67%
Natural Gas	178,005	144,445	-33,560	-18.85%
Water	22,293	24,470	2,177	9.77%

Energy Cost

Utility	Cost 07-08	Cost 08-09	Difference	Percent
Electricity	\$1,673,012	\$1,689,608	\$16,596	0.99%
Natural Gas	\$207,071	\$199,920	(\$7,151)	-3.45%
Water	\$171,877	\$188,721	\$16,844	9.8%