

House Bill 3693

House Bill 3693, Section 12 amends Section 388.005 Health and Safety Code, to require school districts establish a goal to reduce annual electric consumption by 5 percent each state fiscal year for six years. School districts and state agencies not meeting the goals are required to report that all available measurements. School districts and state agencies are required to use State Energy Conservation Office (SECO) for data. Link to SECO: <http://www.seco.cpa.state.tx.us/>

Action required beginning 2007 - 2008 School Year:

School districts and TEA are required to establish a goal to reduce electric consumption by five percent beginning September 1, 2007; school districts and TEA are required to begin purchasing commercial wattage necessary for instructional facility lighting requirements and school districts are required to record consumption in an electronic repository and report this information on a publicly accessible internet website of navigation (Requires the metered amount of electricity, water, or natural gas consumed for each month and aggregate cost for those utility services - FASRAG 1.8.2.9) Link to FAR Guide: <http://www.tea.state.tx.us/>

Use "September Calc. Sheet" for September - August fiscal year. Use "July Calc. Sheet" for July - June fiscal year.

Be sure to use yearly totals in Column "C"

The "Calculations Sheet" will calculate the unit and aggregate monthly cost when electricity, gas and water are used. The (+/-) change from 2006 - 2007 column will display only when data from last month of fiscal year is available. Calculations will show increase/**decrease** in both usage (consumption) and cost as positive (increase) or negative (decrease).

Note: Release 2 correction - Unit cost were not calculating correctly. Version 2 corrects this calculation.

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water usage and cost are entered.
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Big Sand
Utility Usage and Cost for Fiscal Year

	2007-08				2008 - 2009 School F	
	Fiscal Year					
Electricity:	Total Usage	September	October	November	December	January
Kilo Hours	for Year					
\$						
Unit cost \$						
Natural Gas:						
MCF						
Cost \$						
Unit cost \$						
Water:						
Gallons		24,130	101,150	67,690	97,840	72,420
Cost \$		116	227	198	223	205
Unit cost \$		0.004790	0.002248	0.002927	0.002276	0.002830
Aggregate						
Cost: \$	0	116	227	198	223	205

dy ISD
 ir Ending 8/31/2009

Miscal Year	February	March	April	May	June	July	August	Totals
								0
								0
								#DIV/0!
								0
								0
								#DIV/0!
	107,780	107,570	73,450	93,390	88,750	96,730	17,960	948,860
	278	338	232	277	266	152	117	2,628
	0.002575	0.003143	0.003162	0.002961	0.002997	0.001571	0.006505	0.003166
	278	338	232	277	266	152	117	2,628

(+/-) change from 2007-2008	Electricity:
	Kilo Hours
	Cost
	Unit cost
	Natural Gas:
	MCF
	Cost
	Unit cost
	Water:
#DIV/0!	Gallons
#DIV/0!	Cost
	Unit cost
	Aggregate Cost:

Any ISD
Utility Usage and Cost for Fiscal Year

	2007-08				2008 - 2009 School F	
	Fiscal Year					
Electricity:	Total Usage	July	August	September	October	November
Kilo Hours						
Cost \$						
Unit cost \$						
Natural Gas:						
MCF						
Cost \$						
Unit cost \$						
Water:						
Gallons						
Cost \$						
Unit cost \$						
Aggregate						
Cost: \$	0	0	0	0	0	0

· Ending 6/31/2009

iscal Year							
December	January	February	March	April	May	June	Totals
							0
							0
							#DIV/0!
							0
							0
							#DIV/0!
							0
							0
							#DIV/0!
0	0	0	0	0	0	0	0

(+/-) change from 2007-2008	Electricity:
	Kilo Hours
	Cost
	Unit cost
	Natural Gas:
	MCF
	Cost
	Unit cost
	Water:
	Gallons
	Cost
	Unit cost
	Aggregate Cost:

House Bill 3693

House Bill 3693, Section 12 amends Section 388.005 Health and Safety Code, to require school districts establish a goal to reduce annual electric consumption by 5 percent each state fiscal year for six years. School districts and state agencies not meeting the goals are required to report that all available measurements. School districts and state agencies are required to use State Energy Conservation Office (SECO) for data. Link to SECO: <http://www.seco.cpa.state.tx.us/>

Action required beginning 2007 - 2008 School Year:

School districts and TEA are required to establish a goal to reduce electric consumption by five percent beginning September 1, 2007; school districts and TEA are required to begin purchasing commercial wattage necessary for instructional facility lighting requirements and school districts are required to record consumption in an electronic repository and report this information on a publicly accessible internet website of navigation (Requires the metered amount of electricity, water, or natural gas consumed for each utility service and aggregate cost for those utility services - FASRAG 1.8.2.9) Link to FAR Guide: <http://www.tea.state.tx.us/>

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beginning September 1, 2007.
measures had been implemented.
Districts are required to report progress on meeting goals.

Beginning each state fiscal year for six years
Districts are required to purchase the most energy efficient
available light bulbs using the fewest
dollars of electricity, water, and natural gas
per square foot of building area.
Districts are required to purchase light bulbs from a
website with an interface designed for
ease of use. The website is responsible to pay and the
<http://www.tx.us/school.finance/audit/resguide13/new/new.pdf>

at the end of each fiscal year.

Energy usage and cost are entered.
Costs are entered.
(Increase or **negative** (decrease))

Information.

Big Sandy ISD
Utility Usage and Cost for Fiscal Year Ending 8/31/2011

	2009 - 10	2010 - 2011 School Fiscal Year							
	Fiscal Year	September	October	November	December	January	February	March	April
Electricity:	Total Usage								
Kilo Hours	for Year								
		115,867	133,664	191,872	156,454	144,756	121,949	127,769	160,624
\$		10,512	11,854	16,276	13,560	12,560	10,907	12,394	14,745
Unit cost	\$	0.090724	0.088686	0.084825	0.086673	0.086769	0.089437	0.097004	0.091800
Natural Gas:									
MCF									
Cost	\$								
Unit cost	\$								
Water:									
Gallons		948,860	374,510	132,220	90,530	78,460	67,040	56,700	107,860
Cost	\$	2,628	656	170	149	143	215	194	302
Unit cost	\$	0.002770	0.001751	0.001284	0.001642	0.001822	0.003212	0.003417	0.002799
Aggregate									
Cost:	\$	2,628	11,168	12,024	16,424	13,703	12,776	11,100	12,696
									14,981

May	June	July	August	Totals	(+/-) change from 2007-2008	Electricity: Kilo Hours Cost
85,951	135,589	129,414	102,177	1,606,086	#DIV/0!	
8,433	12,836	13,056	10,065	147,198	#DIV/0!	
0.098112	0.094666	0.100886	0.098510	0.092341		Unit cost
				0		Natural Gas: MCF Cost
				0		
				#DIV/0!		Unit cost
103,080	114,180	114,470	20,550	1,337,220	40.93%	Water: Gallons Cost
282	300	298	156	3,100	17.96%	
0.002736	0.002630	0.002600	0.007575	0.002876		Unit cost
8,715	13,136	13,354	10,221	150,298		Aggregate Cost:

Any ISD
Utility Usage and Cost for Fiscal Year

	2009 - 10				2010 - 2011 School F	
	Fiscal Year					
Electricity:	Total Usage	July	August	September	October	November
Kilo Hours						
Cost \$						
Unit cost \$						
Natural Gas:						
MCF						
Cost \$						
Unit cost \$						
Water:						
Gallons						
Cost \$						
Unit cost \$						
Aggregate						
Cost: \$	0	0	0	0	0	0

· Ending 6/31/2011

iscal Year							
December	January	February	March	April	May	June	Totals
							0
							0
							#DIV/0!
							0
							0
							#DIV/0!
							0
							0
							#DIV/0!
0	0	0	0	0	0	0	0

(+/-) change from 2007-2008	Electricity:
	Kilo Hours
	Cost
	Unit cost
	Natural Gas:
	MCF
	Cost
	Unit cost
	Water:
	Gallons
	Cost
	Unit cost
	Aggregate Cost:

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Action required beginning 2007 - 2008 School Year:

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beginning September 1, 2007.
measures had been implemented.
Districts are required to report progress on meeting goals.

Beginning each state fiscal year for six years
Districts are required to purchase the fewest
available light bulbs using the fewest
district electricity, water, and natural gas
costs and to report progress on meeting goals
on the state audit website with an interface designed for
this purpose. Districts are responsible for paying and the
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each fiscal year.

Water usage and cost are entered.
Districts are required to enter
positive or negative (decrease)

information.

Utility Usage and Cost for Fiscal

	2010 - 11				2011 - 2012
	Fiscal Year				
Electricity:	Total Usage	September	October	November	December
Kilo Hours	1,606,086	132,215	148,612	124,652	117,315
\$	147,198	10,081	14,685	13,029	12,748
Unit cost \$	0.091650	0.076249	0.098812	0.104522	0.108662
Natural Gas:					
MCF					
Cost \$					
Unit cost \$					
Water:					
Gallons	1,337,220	36,380	98,980	106,680	106,690
Cost \$	3,100	172	285	293	296
Unit cost \$	0.002318	0.004716	0.002883	0.002747	0.002777
Aggregate Cost: \$	150,298	10,253	14,970	13,322	13,044

Big Sandy

12 Year Ending 8/31/2012

School Fiscal Year						
January	February	March	April	May	June	July
115,171	109,115	114,778	102,521	106,707	126,298	115,335
12,040	12,483	12,294	10,733	11,146	12,609	11,372
0.104540	0.114398	0.107113	0.104687	0.104454	0.099832	0.098601
69,340	461,880	139,300	89,180	86,320	207,330	
216	829	370	283	306	480	166
0.003118	0.001795	0.002659	0.003177	0.003541	0.002316	
12,256	13,311	12,665	11,016	11,452	13,089	11,539

August	Totals	(+/-) change from 2010-2011	Electricity:
121,111	1,433,830	-10.73%	Kilo Hours
11,352	144,570	-1.79%	Cost
0.093729	0.101300		Unit cost
	0		Natural Gas:
	0		MCF
			Cost
	#DIV/0!		Unit cost
53,980	1,456,060	8.89%	Water:
257	3,954	27.55%	Gallons
			Cost
0.004753	0.003135		Unit cost
11,608	148,524		Aggregate Cost:

Utility Usage and Cost for Fiscal

	2010 - 11				2011 - 2012
	Fiscal Year				
Electricity:	Total Usage	July	August	September	October
Kilo Hours					
Cost \$					
Unit cost \$					
Natural Gas:					
MCF					
Cost \$					
Unit cost \$					
Water:					
Gallons					
Cost \$					
Unit cost \$					
Aggregate					
Cost: \$	0	0	0	0	0

Any ISD
11 Year Ending 6/30/2012

School Fiscal Year						
November	December	January	February	March	April	May
0	0	0	0	0	0	0

June	Totals	(+/-) change from 2010-2011	Electricity: Kilo Hours Cost
	0		
	0		
	#DIV/0!		Unit cost
			Natural Gas: MCF Cost
	0		
	0		
	#DIV/0!		Unit cost
			Water: Gallons Cost
	0		
	0		
	#DIV/0!		Unit cost
0	0		Aggregate Cost:

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Updated 05/23/12

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(Increase or **negative** (decrease))

Information.

Big Sandy ISD
Utility Usage and Cost for Fiscal Year Ending 8/31/2013

	2011 - 12	2012 - 2013 School Fiscal Year						
	Fiscal Year	September	October	November	December	January	February	March
Electricity:	Total Usage							
Kilo Hours	for Year							
	1,606,086	145,099	160,026	134,515	134,027	115,413	118,774	119,185
\$	147,198	9,459	15,605	13,233	12,353	11,557	10,579	11,644
Unit cost	\$ 0.091650	0.065192	0.097513	0.098374	0.092169	0.100139	0.089067	0.097700
Natural Gas:								
MCF								
Cost \$								
Unit cost	\$							
Water:								
Gallons	1,456,060	72,740	105,400	106,610	117,470	120,030	94,380	94,480
Cost \$	3,954	233	223	338	353	358	307	324
Unit cost	\$ 0.002716	0.003204	0.002118	0.003173	0.003001	0.002982	0.003257	0.003430
Aggregate								
Cost: \$	151,152	9,692	15,828	13,571	12,706	11,915	10,886	11,968

April	May	June	July	August	Totals	(+/-) change from 2010-2011	Electricity: Kilo Hours Cost
95,825	111,559	122,144	141,476	115,959	1,514,002	-5.73%	
10,264	11,280	12,199	14,012	11,288	143,473	-2.53%	
0.107114	0.101111	0.099873	0.099041	0.097344	0.095386		Unit cost
							Natural Gas: MCF Cost
					0		
					0		
					#DIV/0!		Unit cost
							Water: Gallons Cost
74,550	119,360	80,800		13,310	999,130	-31.38%	
287	365	294		173	3,256	-17.65%	
0.003854	0.003058	0.003637		0.013026	0.004067		Unit cost
10,552	11,645	12,493	14,012	11,461	146,729		Aggregate Cost:

Utility Usage and Cost for Fiscal

	2011 - 12				2012 - 13 Sc
	Fiscal Year				
Electricity:	Total Usage	July	August	September	October
Kilo Hours					
Cost \$					
Unit cost \$					
Natural Gas:					
MCF					
Cost \$					
Unit cost \$					
Water:					
Gallons					
Cost \$					
Unit cost \$					
Aggregate					
Cost: \$	0	0	0	0	0

**"Your" ISD
 il Year Ending 6/30/2013**

School Fiscal Year						
November	December	January	February	March	April	May
0	0	0	0	0	0	0

June	Totals	(+/-) change from 2010-2011	Electricity: Kilo Hours Cost
	0		
	0		
	#DIV/0!		Unit cost
			Natural Gas: MCF Cost
	0		
	0		
	#DIV/0!		Unit cost
			Water: Gallons Cost
	0		
	0		
	#DIV/0!		Unit cost
0	0		Aggregate Cost:

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Big Sandy ISD
Utility Usage and Cost for Fiscal Year Ending 8/31/2014

	2012 - 13	2013 - 2014 School Fiscal Year						
	Fiscal Year	September	October	November	December	January	February	March
Electricity:	Total Usage							
Kilo Hours	for Year							
	1,514,002	149,573	186,860	132,346	124,138	138,404	149,034	192,952
\$	143,473	14,129	17,813	13,240	12,183	14,644	16,557	20,319
Unit cost	\$ 0.094764	0.094465	0.095328	0.100038	0.098141	0.105803	0.111098	0.105308
Natural Gas:								
MCF								
Cost \$								
Unit cost	\$							
Water:								
Gallons	999,130	37,610	133,510	126,490	102,890	94,040	91,340	92,880
Cost \$	3,256	207	434	365	306	298	264	282
Unit cost	\$ 0.003259	0.005492	0.003249	0.002882	0.002979	0.003165	0.002887	0.003039
Aggregate								
Cost: \$	146,729	14,336	18,247	13,604	12,489	14,941	16,821	20,602

April	May	June	July	August	Totals	(+/-) change from 2010-2011	Electricity: Kilo Hours Cost
116,213	101,208	57,882	105,623	98,330	1,552,563	2.55%	
12,996	10,903	8,015	12,528	11,846	165,173	15.13%	
0.111829	0.107732	0.138473	0.118608	0.120471	0.108941		Unit cost
							Natural Gas: MCF Cost
					0		
					0		
					#DIV/0!		Unit cost
							Water: Gallons Cost
71,500	107,320	80,740	37,390	14,460	990,170	-0.90%	
267	293	265	169	120	3,269	0.41%	
0.003735	0.002727	0.003287	0.004527	0.008308	0.003856		Unit cost
13,263	11,196	8,280	12,697	11,966	168,443		Aggregate Cost:

Utility Usage and Cost for Fiscal

	2012 - 13				2013 - 14 Sc
	Fiscal Year				
Electricity:	Total Usage	July	August	September	October
Kilo Hours					
Cost \$					
Unit cost \$					
Natural Gas:					
MCF					
Cost \$					
Unit cost \$					
Water:					
Gallons					
Cost \$					
Unit cost \$					
Aggregate					
Cost: \$	0	0	0	0	0

June	Totals	(+/-) change from 2010-2011	Electricity: Kilo Hours Cost
	0		
	0		
	#DIV/0!		Unit cost
			Natural Gas: MCF Cost
	0		
	0		
	#DIV/0!		Unit cost
			Water: Gallons Cost
	0		
	0		
	#DIV/0!		Unit cost
0	0		Aggregate Cost:

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House Bill 3693, Section 12 amends Section 388.005 Health and Safety Code, to require school districts establish a goal to reduce annual electric consumption by 5 percent each state fiscal year for six years. School districts and state agencies not meeting the goals are required to report that all available measurements. School districts and state agencies are required to use State Energy Conservation Office (SECO) for data. Link to SECO: <http://www.seco.cpa.state.tx.us/>

Action required beginning 2007 - 2008 School Year:

School districts and TEA are required to establish a goal to reduce electric consumption by five percent beginning September 1, 2007; school districts and TEA are required to begin purchasing commercial wattage necessary for instructional facility lighting requirements and school districts are required to record consumption in an electronic repository and report this information on a publicly accessible internet website of navigation (Requires the metered amount of electricity, water, or natural gas consumed for each utility service and aggregate cost for those utility services - FASRAG 1.8.2.9) Link to FAR Guide: <http://www.tea.state.tx.us/>

Use "September Calc. Sheet" for September - August fiscal year. Use "July Calc. Sheet" for July - June fiscal year.

Be sure to use yearly totals in Column "C"

The "Calculations Sheet" will calculate the unit and aggregate monthly cost when electricity, gas and water are used. The (+/-) change from 2009 - 2010 column will display only when data from last month of fiscal year is available. Calculations will show increase/**decrease** in both usage (consumption) and cost as positive (increase) or negative (decrease).

Note: Release 2 correction - Unit cost were not calculating correctly. Version 2 corrects this calculation.
Updated 05/23/12

For questions regarding this template, Please call or e-mail Gary, Randy or Woody at Region 12 ESC
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istricts and state agencies to
beginning September 1, 2007.
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ments to report progress on meeting goals.

ent each state fiscal year for six years
y available light bulbs using the fewest
rd electricity, water, and natural gas
ebbsite with an interface designed for
hich it is responsible to pay and the
x.us/school.finance/audit/resguide13/new/new.pdf

ine fiscal year.

water usage and cost are entered.
s entered.
) or **negative** (decrease)

ion.

Big Sandy ISD

Utility Usage and Cost for Fiscal Year Ending 8/31/2015

	2013 - 14 Fiscal Year				2014 - 2015 School Fiscal Year				
	Total Usage for Year	September	October	November	December	January	February	March	
Electricity:									
Kilo Hours	1,552,563	127,028	125,383	120,290	101,325	102,054	169,637	136,830	
Cost \$	165,173	11,518	13,619	13,110	12,270	11,579	19,002	15,302	
Unit cost \$	0.106387	0.090673	0.108619	0.108987	0.121095	0.113460	0.112016	0.111832	
Natural Gas:									
MCF									
Cost \$									
Unit cost \$									
Water:									
Gallons	990,170	17,070	99,140	112,640	83,960	87,350	73,720	134,120	
Cost \$	3,269	126	310	363	272	268	251	405	
Unit cost \$	0.003301	0.007381	0.003127	0.003223	0.003240	0.003068	0.003405	0.003020	
Aggregate Cost: \$	168,442	11,644	13,929	13,473	12,542	11,847	19,253	15,707	

April	May	June	July	August	Totals	(+/-) change from 2013-2014	Electricity: Kilo Hours Cost
104,264	104,329	118,870	114,258	158,020	1,482,288	-4.53%	
12,536	11,336	12,639	12,310	16,177	161,398	-2.29%	
0.120233	0.108656	0.106326	0.107739	0.102373	0.109334		Unit cost
							Natural Gas: MCF Cost
					0		
					0		
					#DIV/0!		Unit cost
							Water: Gallons Cost
70,400	106,460	199,160	100,280	39,280	1,123,580	13.47%	
233	329	454	285	159	3,455	5.69%	
0.003310	0.003090	0.002280	0.002842	0.004048	0.003503		Unit cost
12,769	11,665	13,093	12,595	16,336	164,853		Aggregate Cost:

Utility Usage and Cost for Fiscal

	2013 - 14				2014 - 15 Sc
	Fiscal Year				
Electricity:	Total Usage	July	August	September	October
Kilo Hours					
Cost \$					
Unit cost \$					
Natural Gas:					
MCF					
Cost \$					
Unit cost \$					
Water:					
Gallons					
Cost \$					
Unit cost \$					
Aggregate					
Cost: \$	0	0	0	0	0

"Your" ISD

il Year Ending 6/30/2015

chool Fiscal Year						
November	December	January	February	March	April	May
0	0	0	0	0	0	0

June	Totals	(+/-) change from 2013-2014	Electricity:
	0		Kilo Hours
	0		Cost
	#DIV/0!		Unit cost
			Natural Gas:
	0		MCF
	0		Cost
	#DIV/0!		Unit cost
			Water:
	0		Gallons
	0		Cost
	#DIV/0!		Unit cost
0	0		Aggregate Cost: