

# Annual Savings Report

## State of Ohio Standard Forms and Documents

Project Name Dawson Bryant Date 9/28/15  
 Project Number 12026

Project Summary	
School District Name	Dawson-Bryant Local Schools
State Project Number (SN)	1260
School Building Name(s)	Elementary School Middle School/ High School
Total Project Cost (\$)	\$ 1,609,838
Length of Contract Term (years)	12.80
Projected Avg. Annual Savings (\$)	\$ 125,748
Construction Started/Completed	Start Date: March 2011      Completion Date: April 2012
Reporting Year (1, 2 or 3)	Year 3
ESCO Name	Limbach Company
ESCO Address	822 Cleveland Avenue Columbus, OH 43201
ESCO Phone Number	614-299-2175
ESCO Contact Person	Mark Taylor
ESCO E-mail Address	mark.taylor@limbachinc.com

At a minimum, the following items must be included in the annual report in order to support the summary table above. Additional information may be included and the items below are in no particular order within your report. Please check that the following are included in the report:

- Baseline utility tables (gas, electric, water/sewage, etc.) including rates
- Actual monthly utility data for the current year
- List of adjustments from baseline to current year and the supporting documentation
- Adjusted utility tables for the current reporting year
- Conclusion as to whether the project has met its savings projection
- Conclusion as to whether the project has met its guarantee (for projects approved after September 2013)
- In case of shortfall, what measures are proposed to remedy the shortfall (if applicable)

Prepared by:

**Mark Taylor, P.E. CEM, GBE**  
 Name, Project Development Engineer  
**SABO-Limbach Energy Services**  
 ESCO Name  
**9/28/15**  
 Date

Reviewed by:

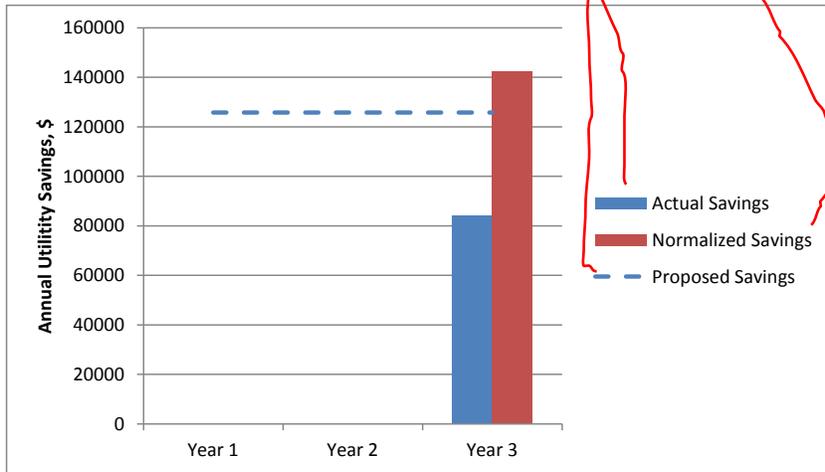
**Brad Miller**  
 Name, Treasurer  
**Dawson-Bryant Local School District**  
 School District  
**9/28/15**  
 Date

**Annual Savings Report**

	Baseline	Proposed	Actual Current Year	Adjusted Current Year	Adjusted Baseline Year
<b>Electricity</b>					
Annual Usage, kW	3,010,220	1,974,538	1,953,480	1,988,327	3,080,941
Annual Cost, \$	\$240,587	\$162,870	\$218,176	\$164,037	\$254,178
CDD	1,049		1,051		
<b>Fuel (if applicable) \$/kwh</b>	<b>.08</b>	<b>.08</b>	<b>.11</b>	<b>.08</b>	<b>.08</b>
Annual Usage, CCF	87,785	44,900	43,996	40,225	86,873
Annual Cost, \$	\$98,319	\$50,288	\$36,439	\$45,052	\$97,298
HDD	4,589		4,996		
<b>Water/Sewage \$/ccf</b>	<b>1.12</b>	<b>1.12</b>	<b>.83</b>	<b>1.12</b>	<b>1.12</b>
Annual Usage					
Annual Cost, \$					
<b>Total Annual Utility Cost</b>	<b>\$338,906</b>	<b>\$213,158</b>	<b>\$254,615</b>	<b>\$209,089</b>	<b>\$351,475</b>
<b>Savings</b>		<b>\$125,748</b>	<b>\$84,291</b>	<b>\$142,386</b>	

86,873-44,900=41,973  
 86,873-43,996=42,877  
 86,873-40,225=46,648  
 87,785-44,900=42,885  
 87,785- 43,996=43,789  
 87,785-40,225=47,560

**Utility Savings Chart**



<sup>1</sup>Based on rate derived from projected savings calculations at the time of HB264 submission  
 \$0.0825/Kwh & \$1.12/ccf  
<sup>2</sup>At current year rates

**Dawson-Bryant Local Schools**  
**HB264 ENERGY CONSERVATION PROJECT**  
**ENERGY SAVINGS REPORT**  
**FY 2010 vs. FY 2015**

As Projected in HB264 Submittal: Year 3

Cost of Project	\$1,609,837.50
Cost Savings	\$125,747.79
Electric kWh	1,035,682
Natural Gas ccf	42,885
Water Gal	0

Actual Project Savings: 2015

Weather Normalized Savings	
Cost Avoidance	\$160,237.21
Electric kWh	1,092,615
Natural Gas ccf	46,423
Water Gal	0

Substantial Completion Date:	4/1/2012
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 How is this number arrived?

Cost Avoidance	Year 1	\$127,614.05
	Year 2	\$137,264.53
	Year 3	\$160,237.21

**Dawson-Bryant Local Schools**  
**HB264 ENERGY CONSERVATION PROJECT (Year 3)**  
**ENERGY SAVINGS REPORT**  
**3rd Year Post-Project - FY 2015**

**SAVINGS SNAPSHOT**

	Electric (kWh)	Gas (ccf)	Annual Cost (\$)	Cost Savings <sup>1</sup> (\$)	Cost Avoidance <sup>2</sup> (\$)
Base Year Usage, FY 2010	3,010,220	87,785	\$338,907		
Expected Savings	1,035,682	42,885		\$125,748	
Actual Savings, FY 2015	1,092,615	46,423		\$142,134	\$160,237
Actual Savings, FY 2014	1,039,152	44,058		\$135,075	\$137,265
Actual Savings, FY 2013	887,282	48,249		\$127,240	\$127,614

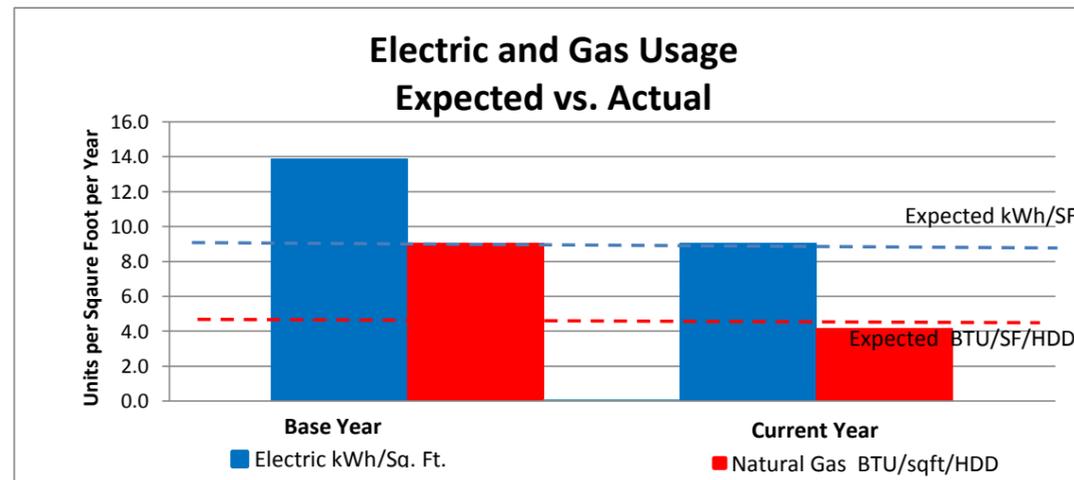
3,080,941-1,988,327=1,092,614  
86,873-40,225=46,648  
why is gas amount different on p2?

Entered as \$142,386 on p2

ENERGY CONSERVATION MEASURES included in Project

FINANCIAL ANALYSIS	
Capital Cost Investment	\$1,609,838
Project Completion Date	4/1/12
Expected Simple Payback, years	12.8
Actual Simple Payback, years	10.0

BASE YEAR RATES, FY 2010	
Base Year Electric Rate, \$/kWh	\$0.080
Base Year Gas Cost, \$/ccf	\$1.120



1 Cost Savings are calculated at the Base Year's (2009-10) electric rate & gas rate, in order to match the Cost Savings outlined in the project's contract.  
2 Cost Avoidance is the value of the electric & gas energy reductions, at the Current Year's rates.

## Dawson-Bryant Local Schools

### HB264 ENERGY CONSERVATION PROJECT (Year 3) ENERGY SAVINGS REPORT 3rd Year Post-Project - FY 2015

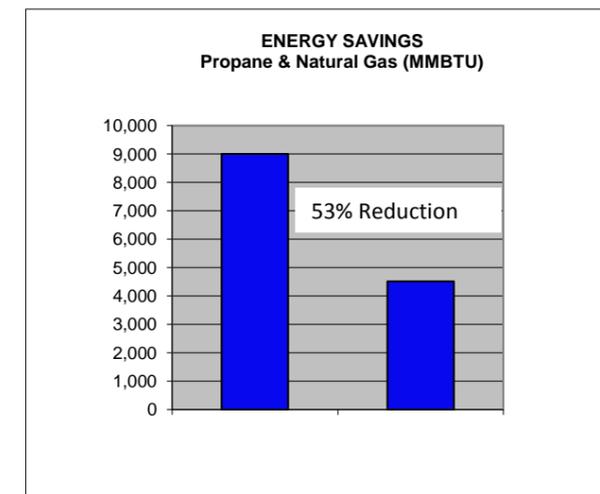
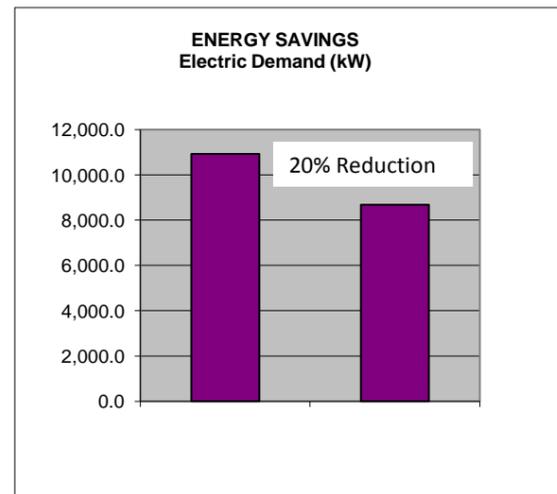
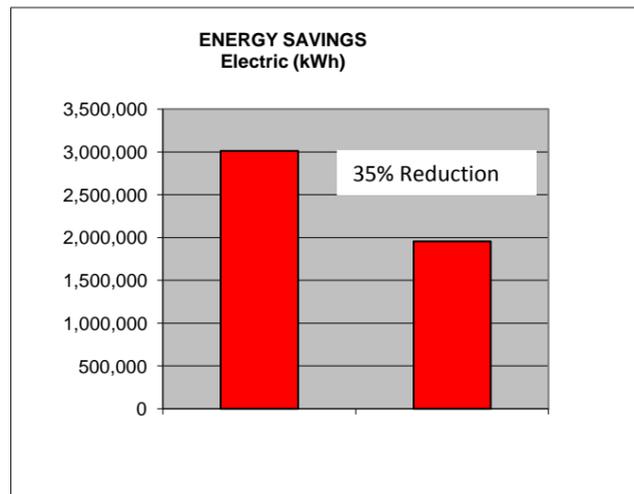
#### COMPARISON of EXPECTED vs. ACTUAL SAVINGS, by Building and District Total

Building	Square Footage	EXPECTED SAVINGS As Outlined in HB264 Project's Contract				ACTUAL SAVINGS IN CURRENT YEAR (FY 2015)			
		Electric (kWh)	Electrical Cost Savings	Gas (ccf)	Gas Cost Savings	Savings (kWh)	Electric Cost Savings <sup>1</sup>	Gas (ccf)	Gas Cost Savings <sup>1</sup>
Dawson-Bryant Elementary	80,423	268,178	\$21,681	14,745	\$16,514	257,727	\$21,262	18,038	\$20,202
Dawson-Bryant HS/MS	136,366	767,504	\$56,036	28,140	\$31,517	834,888	\$68,878	28,385	\$31,791
<b>Totals</b>	<b>216,789</b>	<b>1,035,682</b>	<b>\$77,717</b>	<b>42,885</b>	<b>\$48,031</b>	<b>1,092,615</b>	<b>\$90,141</b>	<b>46,423</b>	<b>\$51,994</b>
<b>Percentage of Expected Savings</b>						<b>105%</b>	<b>116%</b>	<b>108%</b>	<b>108%</b>

<b>Expected Cost Savings, Total of Electric + Gas</b>	<b>\$125,748</b>	<b>Actual Cost Savings, Elec + Gas</b>	<b>\$142,134</b>
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<sup>1</sup> Cost Savings are calculated at the Base Year's (2009-10) electric rate & gas rate, in order to match the Cost Savings outlined in the project's contract. The value of the electric & gas energy reductions, at the Current Year's rates, is called Cost Avoidance and is shown on the first page & following pages of this report.



**Dawson-Bryant Local Schools**

**HB264 ENERGY CONSERVATION PROJECT (Year 3)  
ENERGY SAVINGS REPORT  
3rd Year Post-Project - FY 2015**

**ELECTRIC SAVINGS, by Building and District Total**

Building	Square Footage	Base Year kWh 2010	Current Year kWh 2015	KWh Savings			kW Demand		
				Unadjusted	Weather Adjusted		Base Year 2010	Current Year 2015	Savings
Dawson-Bryant Elementary	80,423	1,028,720	774,480	254,240	257,727	24.6%	3,866.3	3,790.1	76.2
Dawson-Bryant HS/MS	136,366	1,981,500	1,179,000	802,500	834,888	41.0%	7,063.8	4,893.1	2,170.8
<b>Totals</b>	<b>216,789</b>	<b>3,010,220</b>	<b>1,953,480</b>	<b>1,056,740</b>	<b>1,092,615</b>	<b>35.5%</b>	<b>10,930.1</b>	<b>8,683.2</b>	<b>2,247.0</b>

Building	Square Footage	kWh/Square Foot		Cost Savings at Base Year Electric Rate			Current-Year Cost Avoidance		
		Base Year 2010	Current Year 2015	Base Year Cost / kWh	Adjusted kWh Savings	Cost <sup>1</sup> Savings	Current Year Cost / kWh	Adjusted kWh Savings	Cost Avoidance
Dawson-Bryant Elementary	80,423	12.8	9.6	0.0825	257,727	\$21,262.44	0.113	257,727	\$29,071
Dawson-Bryant HS/MS	136,366	14.5	8.6	0.0825	834,888	\$68,878.28	0.111	834,888	\$92,634
<b>Totals</b>	<b>216,789</b>	<b>13.9</b>	<b>9.0</b>	<b>0.0825</b>	<b>1,092,615</b>	<b>\$90,141</b>	<b>0.111</b>	<b>#####</b>	<b>\$121,705</b>

<sup>1</sup>Based on rate received from projected savings calculations at time of HB264 submission \$0.0825/kwh & \$1.12/ccf.

**Dawson-Bryant Local Schools**

**HB264 ENERGY CONSERVATION PROJECT (Year 3)**

**Energy Savings Report**

**3rd Year Post-Project - FY 2015**

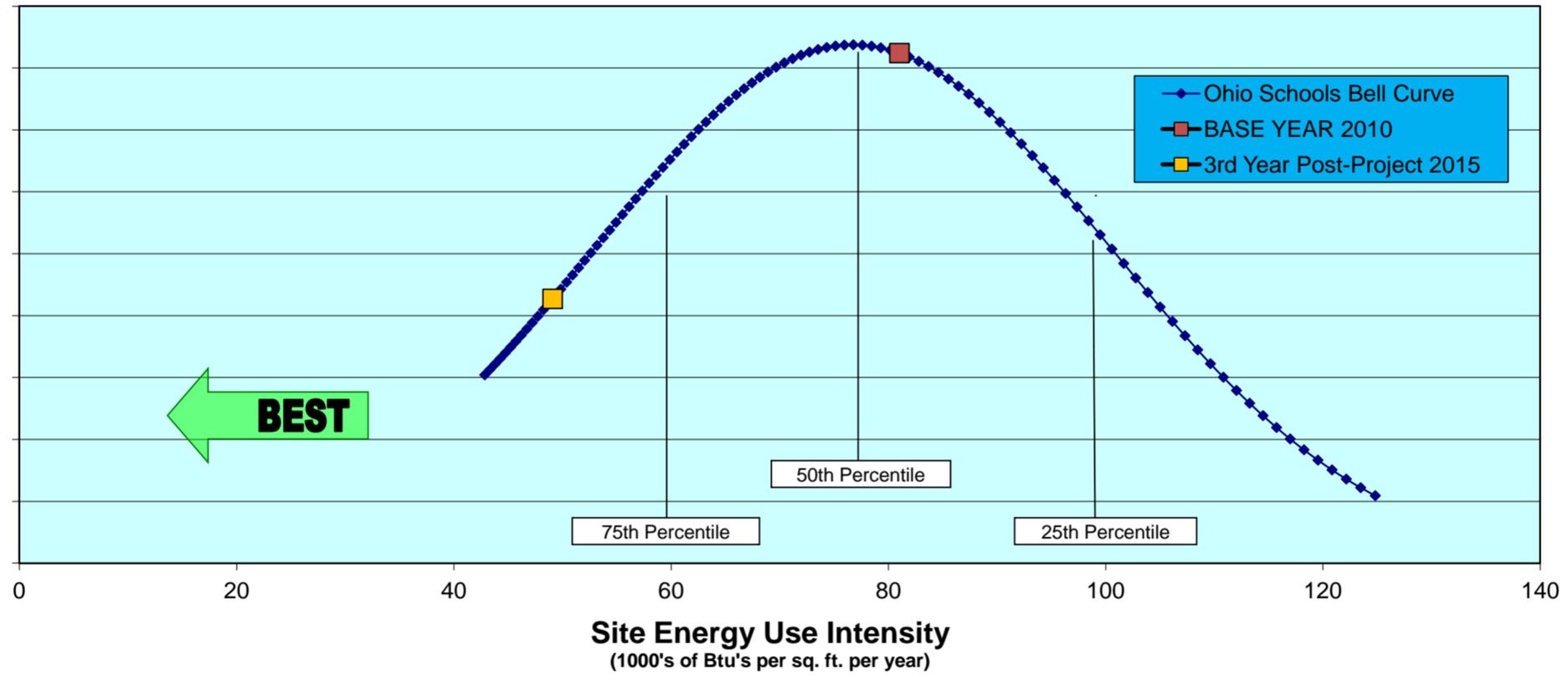
**GAS SAVINGS**

Building	Square Footage	Energy Source	Base Year		Current Year		Unadjusted CCF Savings	Weather Adjusted	
			CCF 2010	MMBTU 2010	CCF 2015	MMBTU 2015		MMBTU Savings	
Dawson-Bryant Elementary	80,423	Natural Gas (ccf)	32,037	3,284	14,783	1,515	17,254	1,849	57.3%
Dawson-Bryant HS/MS	136,366	Natural Gas (ccf)	55,748	5,714	29,213	2,994	26,535	2,909	51.7%
<b>Totals</b>	<b>216789</b>		<b>87,785</b>	<b>8,998</b>	<b>43,996</b>	<b>4,510</b>	<b>43,789</b>	<b>4,758</b>	<b>52.9%</b>

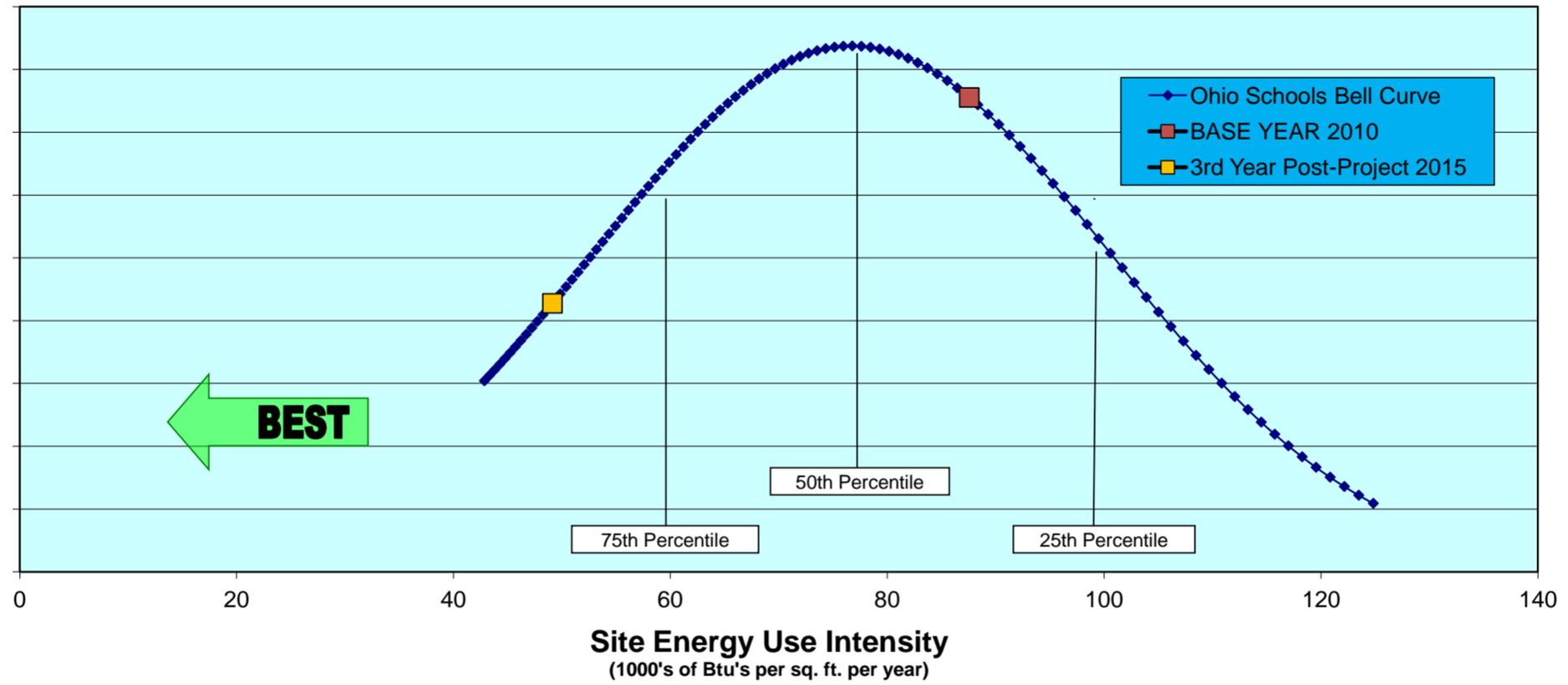
Building	Square Footage	BTU/Sq Ft-HDD		Cost Savings at Base Year CCF Rate			Current-Year Cost Avoidance		
		Base Year 2010	Current Year 2015	Base Year Cost / CCF	Adjusted CCF Saved	Cost Savings	Current Year Cost / CCF	Adjusted CCF Saved	Cost Avoidance
Dawson-Bryant Elementary	80,423	8.9	3.8	\$1.120	18,038	\$20,202	0.851	18,038	\$15,345
Dawson-Bryant HS/MS	136,366	9.1	4.4	\$1.120	28,385	\$31,791	0.817	28,385	\$23,187
<b>Totals</b>	<b>216,789</b>	<b>9.0</b>	<b>4.2</b>	<b>\$1.120</b>	<b>46,423</b>	<b>\$51,994</b>	<b>0.830</b>	<b>46,423</b>	<b>\$38,532</b>

Dawson-Bryant Elementary

### Annual Energy Use for Ohio K-12 School Buildings



### Annual Energy Use for Ohio K-12 School Buildings



**ELECTRIC CONSUMPTION SAVINGS**  
**Dawson-Bryant Elementary**

Month	BASE YEAR 2010			3rd Year Post-Project 2015			Energy Saved from Base Year	
	kWh	kW Demand	Total Cost	kWh	kW Demand	Total Cost	kWh	kW Demand
Jul	60,000	299.7	\$4,950.90	47,200	317.0	\$5,539.64	12,800	-17.3
Aug	100,000	430.8	\$7,943.35	80,400	428.8	\$9,175.78	19,600	2.0
Sep	113,760	389.0	\$8,618.72	92,320	390.6	\$10,018.59	21,440	-1.6
Oct	86,640	352.2	\$6,800.69	70,720	355.3	\$8,213.67	15,920	-3.1
Nov	85,360	306.2	\$6,534.06	66,000	275.2	\$7,120.16	19,360	31.0
Dec	76,240	247.4	\$5,699.21	55,440	212.4	\$5,854.55	20,800	35.0
Jan	81,840	248.2	\$6,574.99	61,360	219.2	\$6,924.78	20,480	29.0
Feb	77,840	246.2	\$6,298.53	59,520	219.8	\$6,777.47	18,320	26.4
Mar	78,960	261.4	\$6,438.57	56,640	276.1	\$5,932.15	22,320	-14.7
Apr	95,440	322.5	\$7,802.88	66,560	371.7	\$7,376.00	28,880	-49.2
May	98,800	387.3	\$8,561.68	74,640	448.5	\$8,815.01	24,160	-61.2
Jun	73,840	375.4	\$6,568.69	43,680	275.5	\$5,613.37	30,160	99.9
	<b>1,028,720</b>	<b>3,866.3</b>	<b>\$ 82,792.27</b>	<b>774,480</b>	<b>3,790.1</b>	<b>\$87,361.17</b>	<b>254,240</b>	<b>76.2</b>

Average Cost per kWh:	<b>\$0.113</b>
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**ELECTRIC CONSUMPTION SAVINGS**  
**Dawson-Bryant HS/MS**

Month	BASE YEAR 2010			3rd Year Post-Project 2015			Energy Saved from Base Year	
	kWh	kW Demand	Total Cost	kWh	kW Demand	Total Cost	kWh	kW Demand
Jul	162,750	480.0	\$12,052.31	78,750	379.5	\$12,222.44	84,000	100.5
Aug	242,250	798.0	\$18,190.95	139,500	562.5	\$14,959.50	102,750	235.5
Sep	249,000	798.0	\$18,606.00	129,000	571.5	\$13,989.02	120,000	226.5
Oct	155,250	597.8	\$12,023.12	97,500	459.0	\$10,965.81	57,750	138.8
Nov	130,500	494.3	\$10,078.33	90,000	366.8	\$9,545.66	40,500	127.6
Dec	124,500	454.5	\$9,491.56	86,250	243.0	\$8,796.29	38,250	211.5
Jan	129,750	360.8	\$10,511.06	87,000	235.5	\$9,505.24	42,750	125.3
Feb	115,500	362.3	\$9,556.51	81,000	253.5	\$8,870.09	34,500	108.8
Mar	139,500	588.8	\$11,889.03	78,000	367.5	\$7,941.79	61,500	221.3
Apr	174,000	719.3	\$14,756.15	97,500	420.0	\$9,988.44	76,500	299.3
May	190,500	801.0	\$16,706.24	120,000	581.3	\$13,219.87	70,500	219.7
Jun	168,000	609.0	\$13,934.05	94,500	453.0	\$10,810.24	73,500	156.0
	<b>1,981,500</b>	<b>7,063.8</b>	<b>\$ 157,795.31</b>	<b>1,179,000</b>	<b>4,893.1</b>	<b>\$130,814.39</b>	<b>802,500</b>	<b>2,170.8</b>

Average Cost per kWh:	<b>\$0.111</b>
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**ELECTRIC - WEATHER NORMALIZATION ADJUSTMENTS**

**Dawson-Bryant Elementary**

Month	BASE YEAR 2010				3rd Year Post-Project 2015			
	kWh	Cooling kWh <sup>1</sup>	CDD	Cooling kWh/CDD	kWh	Cooling kWh <sup>1</sup>	CDD	Cooling kWh/CDD
Jul	60,000	0	191	0.0	47,200	3,520	236	14.9
Aug	100,000	40,000	261	153.3	80,400	36,720	246	149.3
Sep	113,760	53,760	120	448.0	92,320	48,640	120	405.3
Oct	86,640		5		70,720		10	
Nov	85,360		0		66,000		0	
Dec	76,240		0		55,440		0	
Jan	81,840		0		61,360		0	
Feb	77,840		0		59,520		0	
Mar	78,960		0		56,640		0	
Apr	95,440		41		66,560		9	
May	98,800	38,800	113	343.4	74,640	30,960	157	197.2
Jun	73,840	13,840	318	43.5	43,680	0	273	0.0
Min	60,000				43,680			
May-Sep Usage	446,400				338,240			
<b>Totals</b>	<b>1,028,720</b>		<b>1,049</b>	<b>139.6</b>	<b>774,480</b>		<b>1,051</b>	<b>114.0</b>
			<b>1,177</b>				<b>1,177</b>	
	<b>1,046,528</b>				<b>788,802</b>			
					<b>257,727</b>	from 1,46,528-788,802		
					<b>24.6%</b>			
								<b>10-Year Average CDD</b>
								<b>Weather-Normalized kWh<sup>2</sup></b>
								<b>Normalized kWh Savings</b>
								<b>Normalized saving/n. base</b>

<sup>1</sup> Cooling kWh are determined by subtracting the Min Usage from each month during the May-September cooling season.

774,480/788,802=.98 weather adjustment kwh

<sup>2</sup> Both Base Year and Post-Project kWh have been normalized to the 10-Year Average CDD.

The Min Usage (the lowest month) is assumed to be the Base Usage that occurs each month. Only the Cooling kWh are weather-normalized, and then added back to the unadjusted Base Usage.

Dawson-Bryant HS/MS

Month	BASE YEAR 2010				3rd Year Post-Project 2015			
	kWh	Cooling kWh <sup>1</sup>	CDD	Cooling kWh/CDD	kWh	Cooling kWh <sup>1</sup>	CDD	Cooling kWh/CDD
Jul	162,750	47,250	191	247.4	78,750	750	236	3.2
Aug	242,250	126,750	261	485.6	139,500	61,500	246	250.0
Sep	249,000	133,500	120	1112.5	129,000	51,000	120	425.0
Oct	155,250		5		97,500		10	
Nov	130,500		0		90,000		0	
Dec	124,500		0		86,250		0	
Jan	129,750		0		87,000		0	
Feb	115,500		0		81,000		0	
Mar	139,500		0		78,000		0	
Apr	174,000		41		97,500		9	
May	190,500	75,000	113	663.7	120,000	42,000	157	267.5
Jun	168,000	52,500	318	165.1	94,500	16,500	273	60.4
Min	115,500				78,000			
May-Sep Usage	1,012,500				561,750			
<b>Totals</b>	<b>1,981,500</b>		<b>1,049</b>	<b>414.7</b>	<b>1,179,000</b>		<b>1,051</b>	<b>163.4</b>
			<b>1,177</b>				<b>1,177</b>	<b>10-Year Average CDD</b>
	<b>2,034,413</b>				<b>1,199,525</b>			<b>Weather-Normalized kWh<sup>2</sup></b>
					<b>834,888</b>			<b>Normalized kWh Savings</b>
					<b>41.0%</b>			

<sup>1</sup> Cooling kWh are determined by subtracting the Min Usage from each month during the May-September cooling season.

<sup>2</sup> Both Base Year and Post-Project kWh have been normalized to the 10-Year Average CDD.

The Min Usage (the lowest month) is assumed to be the Base Usage that occurs each month.  
Only the Cooling kWh are weather-normalized, and then added back to the unadjusted Base Usage.

**Natural Gas Usage Savings  
Dawson-Bryant Elementary**

Month	BASE YEAR 2010			3rd Year Post-Project 2015			MMBTU Saved from Base Year
	ccf	Equivalent MMBTU	Total Cost	ccf	Equivalent MMBTU	Total Cost	MMBTU
Jul	1,041	106.7	\$1,165.92	40	4.1	\$117.68	103
Aug	1,755	179.9	\$1,965.60	62	6.4	\$143.81	174
Sep	1,375	140.9	\$1,540.00	75	7.7	\$153.73	133
Oct	1,801	184.6	\$2,017.12	358	36.7	\$433.37	148
Nov	3,209	328.9	\$3,594.08	1,204	123.4	\$1,263.75	206
Dec	3,120	319.8	\$3,494.40	2,269	232.6	\$2,348.41	87
Jan	6,213	636.8	\$6,958.56	2,955	302.9	\$2,741.32	334
Feb	5,701	584.4	\$6,385.12	3,252	333.3	\$2,194.71	251
Mar	3,967	406.6	\$4,443.04	2,709	277.7	\$1,792.27	129
Apr	2,046	209.7	\$2,291.52	926	94.9	\$647.97	115
May	1,035	106.1	\$1,159.20	596	61.1	\$449.41	45
Jun	774	79.3	\$866.88	337	34.5	\$289.67	45
<b>Total</b>	<b>32,037</b>	<b>3,283.8</b>	<b>\$35,881.44</b>	<b>14,783</b>	<b>1,515.3</b>	<b>\$12,576.10</b>	<b>1,769</b>

<b>Average Cost per CCF</b>	<b>\$0.85</b>
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**Natural Gas Usage Savings  
Dawson-Bryant HS/MS**

Month	BASE YEAR 2010			3rd Year Post-Project 2015			MMBTU Saved from Base Year
	ccf	Equivalent MMBTU	Total Cost	ccf	Equivalent MMBTU	Total Cost	MMBTU
Jul	4,350	445.9	\$4,872.00	119	12.2	\$215.98	434
Aug	6,134	628.7	\$6,870.08	130	13.3	\$227.07	615
Sep	736	75.4	\$824.32	216	22.1	\$315.08	53
Oct	4,019	411.9	\$4,501.28	498	51.0	\$571.98	361
Nov	3,970	406.9	\$4,446.40	1,816	186.1	\$1,847.94	221
Dec	7,551	774.0	\$8,457.12	4,806	492.6	\$4,846.20	281
Jan	6,607	677.2	\$7,399.84	6,564	672.8	\$5,949.52	4
Feb	8,076	827.8	\$9,045.12	6,321	647.9	\$4,157.89	180
Mar	4,781	490.1	\$5,354.72	5,541	568.0	\$3,546.27	-78
Apr	4,607	472.2	\$5,159.84	1,980	203.0	\$1,260.85	269
May	1,257	128.8	\$1,407.84	897	91.9	\$632.21	37
Jun	3,660	375.2	\$4,099.20	325	33.3	\$292.15	342
<b>Total</b>	<b>55,748</b>	<b>5,714.2</b>	<b>\$62,437.76</b>	<b>29,213</b>	<b>2,994.3</b>	<b>\$23,863.14</b>	<b>2,720</b>

<b>Average Cost per CCF</b>	<b>\$0.82</b>
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## NATURAL GAS- WEATHER NORMALIZATION ADJUSTMENTS

### Dawson-Bryant Elementary

Month	BASE YEAR 2010				3rd Year Post-Project 2015			
	MMBTU	Heating MMBTU <sup>1</sup>	HDD	Heating MMBTU/HDD	MMBTU	Heating MMBTU <sup>1</sup>	HDD	Heating MMBTU/HDD
Jul	107		2		4		3	
Aug	180		1		6		0	
Sep	141		27		8		54	
Oct	185		354		37		303	
Nov	329	250	473	0.5	123	119	719	0.2
Dec	320	240	914	0.3	233	228	793	0.3
Jan	637	557	1081	0.5	303	299	1036	0.3
Feb	584	505	954	0.5	333	329	1108	0.3
Mar	407	327	543	0.6	278	274	629	0.4
Apr	210		194		95		273	
May	106		46		61		64	
Jun	79		0		35		14	
Min	79				4			
Nov-Mar Usage	2,277				1,270			
<b>Totals</b>	<b>3,284</b>		<b>4,589</b>	<b>0.4</b>	<b>1,515</b>		<b>4,996</b>	<b>0.3</b>
			<b>4,455</b>				<b>4,455</b>	
	<b>3,229</b>				<b>1,380</b>			
					<b>1,849</b>			
					<b>57.3%</b>			
	715,579				303,294			
								<b>10-Year Average HDD</b>
								<b>Weather-Normalized MMBTU<sup>2</sup></b>
								<b>MMBTU Savings</b>
								<b>BTU/HDD</b>

<sup>1</sup> Heating MMBTU are determined by subtracting the Min Usage from each month during the November-March heating season.

<sup>2</sup> Due to the assumed allocation of propane in the Base Year, only the Post-Project MMBTU is normalized to the 10-Year Average HDD.

The Min Usage (the lowest month) is assumed to be the Base CCF Usage that occurs each month.

Only the Heating MMBTU are weather-normalized, and then added back to the unadjusted Base Usage.

Dawson-Bryant HS/MS

Month	BASE YEAR 2010				3rd Year Post-Project 2015			
	MMBTU	Heating MMBTU <sup>1</sup>	HDD	Heating MMBTU/HDD	MMBTU	Heating MMBTU <sup>1</sup>	HDD	Heating MMBTU/HDD
Jul	446		2		12		3	
Aug	629		1		13		0	
Sep	75		27		22		54	
Oct	412		354		51		303	
Nov	407	331	473	0.7	186	174	719	0.2
Dec	774	699	914	0.8	493	480	793	0.6
Jan	677	602	1081	0.6	673	661	1036	0.6
Feb	828	752	954	0.8	648	636	1108	0.6
Mar	490	415	543	0.8	568	556	629	0.9
Apr	472		194		203		273	
May	129		46		92		64	
Jun	375		0		33		14	
Min	75				12			
Nov-Mar Usage	3,176				2,567			
<b>Totals</b>	<b>5,714</b>		<b>4,589</b>	<b>0.6</b>	<b>2,994</b>		<b>4,996</b>	<b>0.5</b>
			<b>4,455</b>				<b>4,455</b>	<b>10-Year Average HDD</b>
	<b>5,632</b>				<b>2,723</b>			<b>Weather-Normalized MMBTU<sup>2</sup></b>
					<b>2,909</b>			<b>MMBTU Savings</b>
					<b>51.7%</b>			
	1,245,188				599,346			<b>BTU/HDD</b>

<sup>1</sup> Heating MMBTU are determined by subtracting the Min Usage from each month during the November-March heating season.

<sup>2</sup> Due to the assumed allocation of propane in the Base Year, only the Post-Project MMBTU is normalized to the 10-Year Average HDD.

The Min Usage (the lowest month) is assumed to be the Base CCF Usage that occurs each month.

Only the Heating MMBTU are weather-normalized, and then added back to the unadjusted Base Usage.