

**Montana Department of Commerce -
Quality Schools -**

**Quick Start Program Awards -
Energy Summary Analysis -**

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Montana Department of Commerce Quality Schools
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INTRODUCTION

In May of 2009 the 61st Legislature and Governor Schweitzer approved the Quick Start Program. The program was designed to assist schools with two main focuses. The first objective was to assist the schools with conducting energy audits. The energy audits are designed to identify how the school is used, identify energy wasters in the school, indentify potential areas of improvement, and recommend solutions to help make the school more energy efficient. The second focus of the Quick Start program was completing energy efficient projects that provide long-term, cost-effective benefits to the school.

The purpose of this report is to look at the energy savings results of the projects that were funded by the Quick Start program.

PROCESS -

To evaluate the savings in both energy units and dollars, two years of historical utility data (pre-project) and one year of utility data (post-project) was requested and received from the school administrators. Data processing was conducted and the school utility data was then analyzed based on the type of project that was implemented at the school. For example if a lighting upgrade project was funded at the school, only the electrical data was analyzed and evaluated. This analysis compared the average annual pre-project energy usage to the annual energy usage post-project. Annual energy usage savings were reported on the data summary sheets. Since the Quick Start projects were implemented by September of 2009 the preferred calendar year for this analysis was October 2009 to September 2010. If utility data was not available to support this calendar year, the calendar year that was used in the analysis is listed in the comments section of the data summary sheet.

To evaluate the cost savings, the annual post-project utility costs were divided by the annual post-project energy usage which provides an annual average dollar per energy unit number. To calculate an annual dollar savings the annual dollar per energy unit number was multiplied by the annual energy usage savings. This calculation yields a better comparison for dollars of energy saved, because the utility rate is the same, which yields a true cost savings. For example, a school may show energy savings after the implementation of the project, but have an actual increase in utility bills due to rate increase by the utility or fuel provider. The cost savings shown in the summary sheets are based on the average utility rate for the post-project year.

The awarded schools analyzed in this report use six different types of fuel to power and heat their facilities: electricity, natural gas, propane, diesel (fuel oil), coal, and wood. While electricity and natural gas are easier to trend and analyze, propane, diesel, coal, and wood are not as straightforward. These four fuel sources require large storage containers for extended periods of use so the fuel is not delivered on a consistent monthly basis. For this reason the analysis of the energy consumption and cost may be misleading. The more fuel delivery data that is available both pre- and post-project for these fuel sources returns a more accurate verification of energy savings. Considering that the Quick Start projects were implemented by September of 2009 only one year of energy usage and cost data is available at this time. A similar analysis in another year or two may yield better verification of energy usage. Detailed analysis was conducted on each of the schools in an effort to provide an accurate summation of the energy improvements, however some schools with these fuel sources showed substantial energy savings or energy increases which may be partially explained by the schedule and total quantity of the fuels delivery.

SUMMARY -

The following summary is divided into four project categories: Overall Summary, Lighting, Windows and Doors, and HVAC Improvements and Upgrades. Refer to Appendix A and B For a complete list of the Quick Start project results and data.

Overall Summary

The Quality School Quick Start Program awarded grants to the Montana Schools for energy improvement projects. These projects included lighting upgrades, window and door replacements, heating ventilating and air conditioning system upgrades, and building envelope improvements. Table 1 below shows the total of the grants awarded, the calculated savings after the project's completion, a simple payback in years, and the dollar of savings per dollar of grant money awarded. See Appendix A and B for more detailed information about the projects and results of the grant awards.

Table 1. Overall Projects Summary

Total Grant Awarded	\$12,115,917.00
*Adjusted Total Grant Awarded	\$10,896,766.00
2009-2010 Calculated Savings	\$ 476,419.72
Simple Payback (Years)	22.87
\$ Savings / \$ Grant Awarded	\$ 0.044

* The adjusted grant awarded total excludes the schools that did not provide data for this analysis. It also excludes the schools whose utility cost data was incomplete or unable to be analyzed. The Payback and \$ Savings/ \$ Awarded are calculated from the adjusted total.

Lighting

In general the lighting upgrade projects replaced inefficient lamps and ballasts with new energy efficient T8 or T5 lamps and electronic ballasts. The following table shows the summary of the schools that received lighting upgrade only projects. The results shown in the table below excludes the schools whose utility data did not provide the full energy cost information, showed energy increases due to school expansions/renovations, or showed a substantial energy increase. Not all of the schools that received lighting upgrades showed energy savings. Since lighting upgrades have a defined energy savings per lamp, an energy increase can only be attributed to a change in use of the building. Some changes that may effect the electrical consumption at a school may include but is not limited to: operation hours of the building, increase in number of computers and other equipment, use of kitchen appliances, and use of space heaters. Table 2 below shows the total of the grants awarded, the calculated savings after the project's completion, a simple payback, and the dollar of savings per dollar of grant money awarded.

Table 2. Lighting Projects Summary

Total Grant Awarded	\$ 3,620,407.00
2009-2010 Calculated Savings	\$ 279,507.47
Simple Payback (Years)	12.95
\$ Savings / \$ Grant Awarded	\$ 0.077

Windows and Doors

Window replacement projects replaced single pane windows with new energy efficient windows. Uninsulated or leaky doors were replaced with insulated doors with proper door seals. The following summary is provided for the schools that received window only, and window and door replacements. Table 3 below shows the total of the grants awarded, the calculated savings after the project's completion, a simple payback, and the dollar of savings per dollar of grant money awarded.

Table 3. Window and Door Replacement Projects Summary

Total Grant Awarded	\$ 1,666,971.00
2009-2010 Calculated Savings	\$ 113,299.07
Simple Payback (Years)	14.71
\$ Savings / \$ Grant Awarded	\$ 0.068

HVAC Upgrades and Improvements

The Heating Ventilating and Air Conditioning (HVAC) upgrades and improvements projects vary from boiler replacements, controls, commissioning, and new geothermal heat pump systems. While these projects can show the most energy improvements it may take some time to get them operating at their optimal efficiency. Many of the projects in this category show substantial energy savings, while others show little savings and a few show actual cost increases. Some of the cost increase may be explained by incomplete or skewed data related to fuel delivery schedules as explained above in the process section of this report. Table 4 below shows the total summary of all of the schools with HVAC Upgrades and Improvements Projects only. Table 5 is a summary of the adjusted totals and calculation excluding the projects that showed energy cost increases.

Table 4. HVAC Upgrades and Improvements Projects Summary

Total Grant Awarded	\$ 2,488,676.00
2009-2010 Calculated Savings	\$ 47,006.03
Simple Payback (Years)	52.94
\$ Savings / \$ Grant Awarded	\$ 0.019

Table 5. Adjusted HVAC Upgrades and Improvements Projects Summary -

Adjusted Total Grant Awarded	\$ 1,878,138.00
2009-2010 Calculated Savings	\$ 68,151.82
Simple Payback (Years)	27.56
\$ Savings / \$ Grant Awarded	\$ 0.036
* The adjusted total and calculation in this table exclude the schools that showed a post project cost increase	

APPENDIX

- A. Project Data Summary Table**
- B. School Project Data Sheets**

Appendix A. Project Data Summary Table

Appendix A.
Project Data Summary Table

School District	School	Project Type	Grant Amount	Total Savings (\$)	Electric Savings		Natural Gas Savings		Propane Gas Savings		Diesel Savings		Coal or Wood Savings	
					Energy	Dollar	Energy	Dollars	Energy	Dollars	Energy	Dollars	Energy	Dollars
Absarokee	Absarokee Elementary School	Windows	\$ 48,004.00	\$ 613.89	3,300.00		32.90	\$ 613.89						
Alberton	Alberton Elementary School	Windows	\$ 50,000.00	\$ 144.71	(2,260.00)	\$ (226.56)			150.50	\$ 371.27				
Anaconda	Dwyer School	Lighting	\$ 95,429.00	\$ (412.26)	(4,120.00)	\$ (412.26)								
Anaconda	Administration Building	Lighting	\$ 95,429.00	\$ 6,750.48	63,560.00	\$ 6,750.48								
Anaconda	Anaconda High School	Lighting	\$ 95,429.00	\$ 1,585.65	16,160.00	\$ 1,585.65								
Anaconda	Fred Moody Middle School	Lighting	\$ 95,429.00	\$ 2,210.49	21,620.00	\$ 2,210.49								
Anaconda	Lincoln School	Lighting	\$ 95,429.00	\$ 601.52	6,160.00	\$ 601.52								
Anaconda	Memorial Gym	Lighting	\$ 95,429.00	\$ 183.44	1,680.00	\$ 183.44								
Augusta	Augusta High School	Window Replacement and Lighting Upgrade	\$ 138,649.00	\$ 4,350.35	17,075.00		278.40	\$ 4,350.35						
Beaverhead Co.	Beaverhead High School	Lighting/Sensors	\$ 38,368.00	\$ -	38,400.00									
Belgrade	Belgrade Bus Barn	Lighting	\$ 48,728.00	\$ (3,677.16)	(67,380.00)	\$ (3,677.16)								
Belgrade	Belgrade High School	Lighting	\$ 54,368.00	\$ -	54,840.00									
Belgrade	Belgrade High School Event Center	Lighting	\$ 54,368.00	\$ -	11,840.00									
Belgrade	Belgrade Middle School	Lighting	\$ 48,728.00	\$ 8,352.34	75,440.00	\$ 8,352.34								
Belgrade	Martha Fox Heck Elementary	Lighting	\$ 48,728.00	\$ -	16,040.00									
Belgrade	Quaw Elementary	Lighting	\$ 48,728.00	\$ -	12,240.00									
Belgrade	Ridge View Elementary	Lighting	\$ 48,728.00	\$ -	9,280.00									
Bigfork	Bigfork High School	Windows and Doors	\$ 73,838.00	\$ 1,755.21	9,400.00	\$ 582.19	130.30	\$ 1,173.02						
Billings	Billings High School Career Center	Rooftop units	\$ 564,000.00	\$ -	220,800.00		1,219.00							
Billings	Billings High School Facilities Services	Roof insulation	\$ 564,000.00	\$ -	10,051.50		710.50							
Box Elder	Box Elder K-12 School	Sensors, Lighting, HVAC, windows	\$ 128,697.00	\$ (6,191.99)	(1,359.50)	\$ (125.49)			(3,459.00)	\$ (6,066.50)				
Bozeman	Bozeman High School	Lighting	\$ 184,568.00	\$ 54,642.87	504,160.00	\$ 43,658.38	913.50	\$ 10,984.49						
Bozeman	Wilson Elementary School	Lighting and new roof	\$ 190,943.00	\$ (2,286.40)	12,360.00	\$ 1,177.67	(283.00)	\$ (3,464.07)						
Broadus	Broadus Powder River Co High School	Lighting	\$ 19,233.00	\$ 142.42	3,120.00	\$ 142.42								
Brockton	Brockton High School	Lighting	\$ 75,000.00	\$ (2,563.65)	(48,588.50)	\$ (2,563.65)								
Butte	Hillcrest Elementary School	Lighting and boiler	\$ 353,749.00	\$ 3,008.54	15,801.00	\$ 3,008.54	304.60							
Butte	Kennedy Elementary School	Lighting and boiler	\$ 353,749.00	\$ 1,314.39	5,377.50	\$ 1,314.39	543.40							
Canyon Creek	Canyon Creek Gymnasium	Lighting	\$ 12,884.00	\$ (1,197.68)	(11,360.00)	\$ (1,197.68)								
Cascade	Cascade Elementary School and High School	Controls, Retro-Commissioning	\$ 369,127.00	\$ (196.13)	90,268.00		(144.08)	\$ (196.13)						
Centerville	Centerville Elementary and High School	Building Wide Energy Management System	\$ 169,107.00	\$ (2,366.33)	47,812.50	\$ 4,483.01			(3,304.00)	\$ (6,751.53)			(97.81)	
Choteau	Choteau Elementary School	Window, Lighting	\$ 77,958.00	\$ 2,865.98	11,600.00	\$ 2,725.45	12.50	\$ 140.53						
Circle	Circle Public School	Lighting	\$ 59,997.00	\$ (2,354.81)	25,280.00	\$ 2,808.44			(1,082.00)	\$ (5,163.25)				

Appendix A.
Project Data Summary Table

School District	School	Project Type	Grant Amount	Total Savings (\$)	Electric Savings		Natural Gas Savings		Propane Gas Savings		Diesel Savings		Coal or Wood Savings	
					Energy	Dollar	Energy	Dollars	Energy	Dollars	Energy	Dollars	Energy	Dollars
Helena	Four Georgians Elementary	Lighting	\$ 313,219.00	\$ 1,104.36	11,520.00	\$ 1,104.36								
Helena	Fron Street Learning	Lighting	\$ 313,219.00	\$ 651.92	7,040.00	\$ 651.92								
Helena	Hawthorne Elementary	Lighting	\$ 313,219.00	\$ 692.01	7,355.00	\$ 692.01								
Helena	Helena High and Votech Building	Lighting	\$ 234,311.00	\$ 18,858.67	208,640.00	\$ 18,858.67								
Helena	Helena Middle School	Lighting	\$ 313,219.00	\$ 3,006.89	34,560.00	\$ 3,006.89								
Helena	Jefferson Elementary	Lighting	\$ 313,219.00	\$ 893.30	9,140.00	\$ 893.30								
Helena	Jim Darcy Elementary	Lighting	\$ 313,219.00	\$ 889.84	9,600.00	\$ 889.84								
Helena	Kessler Elementary	Lighting	\$ 313,219.00	\$ 98.75	1,040.00	\$ 98.75								
Helena	Lincoln School	Lighting	\$ 313,219.00	\$ (7.97)	(80.00)	\$ (7.97)								
Helena	Maintenance Shops	Lighting	\$ 313,219.00	\$ 739.86	7,031.00	\$ 739.86								
Helena	Ray Bjork Childhood Center	Lighting	\$ 313,219.00	\$ 1,035.39	10,760.00	\$ 1,035.39								
Helena	Rossiter Elementary	Lighting	\$ 313,219.00	\$ 5,427.24	55,749.00	\$ 5,427.24								
Helena	Seventh Avenue Gym	Lighting	\$ 313,219.00	\$ 210.95	2,319.00	\$ 210.95								
Helena	Smith Elementary	Lighting	\$ 313,219.00	\$ 2,683.86	29,600.00	\$ 2,683.86								
Helena	The May Butler Center	Lighting	\$ 313,219.00	\$ (850.46)	(9,680.00)	\$ (850.46)								
Helena	Warren Elementary	Lighting	\$ 313,219.00	\$ 986.35	10,200.00	\$ 986.35								
Hellgate	Hellgate Intermediate and Primary Schools	Boiler	\$ 144,245.00	\$ 1,766.44			193.95	\$ 1,766.44						
Highwood	Highwood Elementary and High School	Insulate Ceiling, Lighting	\$ 10,527.00	\$ 4,880.41	11,533.00	\$ 969.99			2,464.00	\$ 3,910.42				
Hinsdale	Hinsdale Public Schools Gym	Lighting	\$ 20,000.00	\$ 412.50	3,980.00	\$ 412.50								
Huntley	Huntley Project CTE School	Lighting	\$ 219,376.00	\$ 294.51	4,120.00	\$ 294.51								
Huntley	Huntley Project Elementary School	Lighting	\$ 219,376.00	\$ 190.58	2,400.00	\$ 190.58								
Hysham	Hysham Public School	Windows	\$ 24,849.00	\$ 3,104.11	10,311.55	\$ 855.47								
Independent	Independent Elementary	Boiler, Lighting	\$ 67,135.00	\$ (5,719.87)	(47,680.00)	\$ (3,833.09)	(274.05)	\$ (1,886.78)						
Jefferson	Jefferson High School	Lighting, Sensors, Doors, Water Heaters	\$ 47,901.00	\$ 7,185.89	74,128.50	\$ 7,589.61	(45.07)	\$ (403.72)						
Joliet	Joliet High School	Windows	\$ 40,627.00	\$ 1,024.24	117,200.00		151.70	\$ 1,024.24						
Jordan	Jordan High School and Gym	Lighting	\$ 13,588.00	\$ 1,642.08	19,755.00	\$ 1,642.08								
Judith Gap	Judith Gap School	Windows	\$ 63,425.00	\$ 835.42	2,000.00	\$ 191.13	70.55	\$ 644.29						
Kalispell	Eiroad Elementary	Windows, Doors, Boiler	\$ 285,878.00	\$ 7,344.34	(11,110.00)	\$ (642.63)	875.30	\$ 7,986.97						
Kalispell	Russell Elementary	Windows, Doors, Boiler	\$ 285,878.00	\$ 1,576.94	(6,380.00)	\$ (370.04)	214.95	\$ 1,946.98						
Lavina	Lavina K-12 Schools	Lighting	\$ 49,905.00	\$ (927.32)	(9,760.00)	\$ (927.32)								
Libby	Libby High School	Windows	\$ 161,500.00	\$ 11,148.54									4,637.10	\$ 11,148.54
Lincoln	Lincoln School	Heaters	\$ 15,274.00	\$ 2,700.18	(13,520.00)	\$ (1,470.93)			2,243.11	\$ 4,171.11				

Appendix A.
Project Data Summary Table

School District	School	Project Type	Grant Amount	Total Savings (\$)	Electric Savings		Natural Gas Savings		Propane Gas Savings		Diesel Savings		Coal or Wood Savings	
					Energy	Dollar	Energy	Dollars	Energy	Dollars	Energy	Dollars	Energy	Dollars
Monforton	Monforton School	Lighting	\$ 132,472.00	\$ 3,162.45	27,560.00	\$ 3,162.45								
Montana City	Montana City School	Lighting	\$ 24,222.00	\$ 3,540.79	41,633.00	\$ 3,540.79								
Moore	Moore Public Schools	Lighting	\$ 20,000.00	\$ 2,409.69	24,600.00	\$ 2,409.69								
North Star	North Star Elementary	Lighting	\$ 43,920.00	\$ 15,221.95	47,740.00	\$ 15,221.95								
Noxon	Noxon Schools	Windows	\$ 229,932.00	\$ 4,556.05	66,370.00	\$ 4,556.05								
Olney Bissell	Olney-Bissell Schools	Heat Pump HVAC System	\$ 167,623.00	\$ 1,777.18	24,400.00	\$ 1,777.18								
Plains	Wildhorse School	Lighting	\$ 2,994.00	\$ 418.90	2,950.00	\$ 418.90								
Plains	Plains High School	Lighting	\$ 53,511.00	\$ 10,200.59	103,770.00	\$ 10,200.59								
Plains	Plains Middle School	Lighting	\$ 53,511.00	\$ (23.61)	(237.50)	\$ (23.61)								
Polson	Cherry Valley Elementary	Lighting	\$ 309,588.00	\$ 2,118.03	37,360.00	\$ 2,118.03								
Polson	Linderman Elementary	Lighting	\$ 309,588.00	\$ 467.33	8,280.00	\$ 467.33								
Polson	Polson High School	Lighting	\$ 149,143.00	\$ 17,706.97	339,900.00	\$ 17,706.97								
Polson	Polson Middle School	Lighting	\$ 309,588.00	\$ 1,630.59	29,520.00	\$ 1,630.59								
Poplar	Poplar Schools	Lighting	\$ 41,480.00	\$ 1,048.34	18,342.00	\$ 1,048.34								
Rapelje	Rapelje Schools	Lighting & Windows	\$ 57,355.00	\$ 2,924.76	38,103.00	\$ 3,802.75								(9.50) \$ (877.99)
Red Lodge	Mountain View School	Lighting	\$ 62,422.00	\$ 848.11	8,720.00	\$ 848.11								
Reed Point	Reed Point Schools	Lighting	\$ 16,384.00	\$ 4,540.37	26,493.50	\$ 4,540.37								
Richey	Richey High School	Lighting	\$ 6,995.00	\$ 975.62	7,900.00	\$ 975.62								
Roberts	Roberts School	Lighting, Glass Block Replacement, Furnace, Thermostat	\$ 63,909.00	\$ 1,948.26	11,080.00	\$ 1,067.73	98.76	\$ 880.53						
Roundup	Administration Building	Lighting	\$ 8,167.00	\$ 683.23	6,910.00	\$ 683.23								
Roundup	Elementary Gym and Elementary	Lighting	\$ 5,544.00	\$ (696.54)	(7,269.00)	\$ (696.54)								
Roundup	Roundup Junior/Senior High	Lighting	\$ 8,167.00	\$ 2,274.46	26,349.50	\$ 2,274.46								
Savage	Savage Public Schools	Windows, Steam Heat, Roof Insulation	\$ 99,796.00	\$ 927.31	18,620.30	\$ 1,239.19	(20.16)	\$ (155.94)						(20.16) \$ (155.94)
Sheridan	Sheridan High School	Heating	\$ 36,997.00	\$ 14,100.92	19,160.00	\$ 1,004.40	\$ 14,100.92							
St. Ignatious	St. Ignatious	Windows and Doors	\$ 30,152.00	\$ (2,539.74)	3,430.00	\$ 198.09			(3,745.00)	\$ (3,745.00)				401.00 \$ 1,007.17
Stevensville	Stevensville Elementary and High School	Windows	\$ 41,020.00	\$ 3,374.21	32,320.00	\$ 147.30	\$ 3,374.21							
Sun River	Simms High School	Lighting	\$ 65,661.00	\$ 1,370.36	17,660.00	\$ 1,370.36								
Superior	Superior Schools	Lighting	\$ 23,776.00	\$ 2,037.82	21,262.00	\$ 2,037.82								
Swan Valley	Swan Valley Elementary	Lighting and Controls	\$ 39,006.00	\$ 1,868.72	12,770.00	\$ 561.71								800.00 \$ 1,307.01
Terry	Bolin Elementary School	Boiler Replacement and Piping Insulation	\$ 173,581.00	\$ 228.66	(21,617.50)	\$ (1,441.83)	239.75	\$ 1,670.49						
Thompson Falls	Thompson Falls School District	Lighting	\$ 96,165.00	\$ 1,674.61	17,040.00	\$ 1,674.61								
Townsend	Townsend School District	Controls and Retro Commissioning	\$ 438,993.00	\$ 7,394.59	82,821.00	\$ 7,798.94	(25.92)	\$ (404.35)						

Appendix A.
Project Data Summary Table

School District	School	Project Type	Grant Amount	Total Savings (\$)	Electric Savings		Natural Gas Savings		Propane Gas Savings		Diesel Savings		Coal or Wood Savings	
					Energy	Dollar	Energy	Dollars	Energy	Dollars	Energy	Dollars	Energy	Dollars
Troy	Morrison Elementary	Windows	\$ 156,245.00	\$ 8,670.23	(15,640.00)	\$ (837.07)					112,021.13	\$ 9,507.30		
Troy	Troy High School	Windows	\$ 24,567.00	\$ 19,041.60	36,440.00	\$ 1,874.89					7,255.00	\$ 17,166.71		
Turner	Turner School	Lighting	\$ 12,672.00	\$ 1,262.35	22,520.00	\$ 1,262.35								
Ulm	Ulm Elementary	Windows and Doors	\$ 115,760.00	\$ 144.30	2,520.00	\$ 165.73	(29.25)	\$ (21.43)						
Victor	Victor School	Roof and Wall Insulation	\$ 267,491.00	\$ 781.54									16.99	\$ 781.54
West Yellowstone	West Yellowstone School	Lighting	\$ 50,000.00	\$ 1,045.03	15,120.00	\$ 1,045.03								
White Sulphur Springs	White Sulphur Springs Elementary	Lighting	\$ 7,850.00	\$ 333.36	3,390.00	\$ 333.36								
White Sulphur Springs	White Sulphur Springs High School	Lighting	\$ 14,350.00	\$ 4,523.74	43,800.00	\$ 4,523.74								
Whitehall	Grade School	Lighting	\$ 67,159.00	\$ 1,767.98	16,820.00	\$ 1,767.98								
Whitehall	High School	Lighting	\$ 67,159.00	\$ 1,047.40	10,300.00	\$ 1,047.40								
Whitehall	New School	Lighting	\$ 67,159.00	\$ 5,620.71	63,760.00	\$ 5,620.71								
Wilbaux	Wilbaux Elementary	Windows	\$ 31,121.00	\$ (104.34)	2,699.00	\$ 194.89	(43.45)	\$ (299.23)						
Winifred	Winifred School	Lighting	\$ 67,806.00	\$ 763.70	7,960.00	\$ 763.70								
Winnett	Winnette School	Lighting	\$ 16,863.00	\$ 1,582.24	12,560.00	\$ 1,582.24								
Wolf Creek	Wolf Creek Elementary	Lighting and Roof Insulation	\$ 7,250.00	\$ 680.87	2,817.00		39.25	\$ 680.87						

Appendix B. School Project Data Sheets

Appendix B.
School Project Data Sheets

School District:	Absarokee Public Schools			
Project Name:	Absarokee Elementary School			
Project Description:	Window Replacement			
Project Grant Amount:	\$ 48,004.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	10,265.00	9,990.00	kWH	
Yearly Average Usage:	123,180.00	119,880.00	kWH	
Natural Gas				
Monthly Average Usage:	127.41	124.67	Dkt	
Yearly Average Usage:	1,528.90	1,496.00	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		3,300.00	kWH	3%
Natural Gas				
Yearly Average Saved:		32.90	Dkt	2%
Calculated Savings	\$	613.89	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Total (Dkt)	Yearly Charges	\$/Unit Energy
2007-2008	123,960.00	1461.9	\$ 22,432.85	\$ 0.041
2008-2009	122,400.00	1595.9	\$ 30,377.18	\$ 0.051
2009-2010	119,880.00	1496.0	\$ 26,483.16	\$ 0.047
COMMENTS:				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	Alberton Schools			
Project Name:	Alberton Elementary School			
Project Description:	Window Replacement			
Project Grant Amount:	\$ 50,000.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	19,335.00	19,523.33	kWH	
Yearly Average Usage:	232,020.00	234,280.00	kWH	
Propane Gas				
Monthly Average Usage:	889.79	877.25	Gals	
Yearly Average Usage:	10,677.50	10,527.00	Gals	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		(2,260.00)	kWH	-1%
Calculated Savings	\$	(226.56)	\$	
Propane Gas				
Yearly Average Saved:		150.50	Gals	1%
Calculated Savings	\$	367.37	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	243,960.00		\$ 25,351.25	0.104
2008-2009	220,080.00		\$ 21,999.31	0.100
2009-2010	234,280.00		\$ 23,486.34	0.100
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	10,007.00		\$ 29,912.60	2.989
2008-2009	11,348.00		\$ 24,850.00	2.190
2009-2010	10,527.00		\$ 25,696.12	2.441
<u>COMMENTS:</u>				
Year is calculated October to September.				

Appendix B.
 School Project Data Sheets

School District:	Anaconda			
Project Name:	Anaconda High School			
Project Description:	Lighting Replacement Anaconda High School, Memorial Gym, Administration Building, Fred Moodry Middle School, Dwyer School, and Lincoln School			
Project Grant Amount:	\$ 95,429.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	22,413.33	21,066.67	kWH	
Yearly Average Usage:	268,960.00	252,800.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		16,160.00	kWH	6%
Calculated Savings	\$	1,585.65	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	261,920.00	109.00	\$ 27,035.86	0.103
2008-2009	276,000.00	126.00	\$ 27,385.50	0.099
2009-2010	252,800.00	109.00	\$ 24,805.22	0.098
COMMENTS:				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	Anaconda			
Project Name:	Memorial Gym			
Project Description:	Lighting Replacement Anaconda High School, Memorial Gym, Administration Building, Fred Moodry Middle School, Dwyer School, and Lincoln School			
Project Grant Amount:	\$ 95,429.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	4,520.00	4,380.00	kWH	
Yearly Average Usage:	54,240.00	52,560.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		1,680.00	kWH	3%
Calculated Savings	\$	183.44	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	48,720.00		\$ 5,683.88	0.117
2008-2009	59,760.00		\$ 6,555.46	0.110
2009-2010	52,560.00		\$ 5,739.01	0.109
<u>COMMENTS:</u>				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	Anaconda			
Project Name:	Administration Building			
Project Description:	Lighting Replacement Anaconda High School, Memorial Gym, Administration Building, Fred Moodry Middle School, Dwyer School, and Lincoln School			
Project Grant Amount:	\$ 95,429.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	12,236.67	6,940.00	kWH	
Yearly Average Usage:	146,840.00	83,280.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		63,560.00	kWH	43%
Calculated Savings	\$	6,750.48	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	149,520.00	78.00	\$ 15,987.10	0.107
2008-2009	144,160.00	81.00	\$ 15,089.78	0.105
2009-2010	83,280.00	50.00	\$ 8,844.87	0.106
<u>COMMENTS:</u>				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Anaconda			
Project Name:	Fred Moodry Middle School, Lighting Replacement Anaconda High School, Memorial Gym, Administration Building, Fred Moodry Middle School, Dwyer School, and Lincoln School			
Project Description:	Moodry Middle School, Dwyer School, and Lincoln School			
Project Grant Amount:	\$ 95,429.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	12,425.00	10,623.33	kWH	
Yearly Average Usage:	149,100.00	127,480.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		21,620.00	kWH	15%
Calculated Savings	\$	2,210.49	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	153,560.00	70.00	\$ 16,148.76	0.105
2008-2009	144,640.00	68.00	\$ 14,814.31	0.102
2009-2010	127,480.00	61.00	\$ 13,033.90	0.102
COMMENTS:				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Anaconda			
Project Name:	Dwyer School			
Project Description:	Lighting Replacement Anaconda High School, Memorial Gym, Administration Building, Fred Moodry Middle School, Dwyer School, and Lincoln School			
Project Grant Amount:	\$ 95,429.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	10,526.67	10,870.00	kWH	
Yearly Average Usage:	126,320.00	130,440.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(4,120.00)	kWH	-3%
Calculated Savings	\$	(412.26)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	124,520.00	64.00	\$ 13,863.73	0.111
2008-2009	128,120.00	65.00	\$ 13,528.11	0.106
2009-2010	130,440.00	57.00	\$ 13,052.36	0.100
COMMENTS:				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Anaconda			
Project Name:	Lincoln School			
Project Description:	Lighting Replacement Anaconda High School, Memorial Gym, Administration Building, Fred Moodry Middle School, Dwyer School, and Lincoln School			
Project Grant Amount:	\$ 95,429.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	12,533.33	12,020.00	kWH	
Yearly Average Usage:	150,400.00	144,240.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		6,160.00	kWH	4%
Calculated Savings	\$	601.52	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	155,960.00	69.00	\$ 16,456.60	0.106
2008-2009	144,840.00	69.00	\$ 14,933.30	0.103
2009-2010	144,240.00	62.00	\$ 14,084.92	0.098
COMMENTS:				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	Augusta			
Project Name:	Augusta High School			
Project Description:	Window Replacement and Lighting upgrade			
Project Grant Amount:	\$ 138,649.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	14,227.92	12,805.00	kWH	
Yearly Average Usage:	170,735.00	153,660.00	kWH	
Natural Gas				
Monthly Average Usage:	201.97	178.77	Dkt	
Yearly Average Usage:	2,423.60	2,145.20	Dkt	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		17,075.00	kWH	10%
Natural Gas				
Yearly Average Saved:		278.40	Dkt	11%
Calculated Savings	\$	4,350.35	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Total (Dkt)	Yearly Charges	\$/Unit Energy
2007-2008	181,070.00	2420.6	\$ 49,386.00	\$ 0.055
2008-2009	160,400.00	2426.6	\$ 42,419.56	\$ 0.049
2009-2010	153,660.00	2145.2	\$ 34,495.40	\$ 0.044
<u>COMMENTS:</u>				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	Beaverhead Co.		
Project Name:	Beaverhead High School		
Project Description:	lighting/sensors at Beaverhead County High School, upgrade lighting/sensors at VO-AG and wood shop, and upgrade lighting/sensors at science and PE complex.		
Project Grant Amount:	\$ 38,368.00		
	PRE PROJECT:	POST PROJECT:	
Electricity			
Monthly Average Usage:	22,960.00	19,760.00	kWH
Yearly Average Usage:	275,520.00	237,120.00	kWH
<u>SAVINGS:</u>			
Electricity			
Yearly Average Saved:		38,400.00	kWH 14%
Electricity			
Year	Yearly Total (kWH)		
2007-2008	288,880.00		
2008-2009	262,160.00		
2009-2010	237,120.00		
<u>COMMENTS:</u>			
Year is calculated October to September			

Appendix B.
 School Project Data Sheets

School District:	Belgrade			
Project Name:	Belgrade Middle School			
Project Description:	Lighting upgrade at Belgrade Middle School, Belgrade High School, Belgrade Bus Barn, Gym Event Center, Martha Fox Heck Elementary, Ridgeview Elementary, Quaw Elementary, Administration Building and the Curtis Building.			
Project Grant Amount:	\$ 48,728.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	74,380.00	68,093.33	kWH	
Yearly Average Usage:	892,560.00	817,120.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		75,440.00	kWH	8%
Calculated Savings	\$	8,352.34	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	939,520.00		\$ 109,358.13	0.116
2008-2009	845,600.00		\$ 96,756.61	0.114
2009-2010	817,120.00		\$ 90,467.40	0.111
COMMENTS:				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Belgrade			
Project Name:	Belgrade Bus Barn			
Project Description:	Lighting upgrade at Belgrade Middle School, Belgrade High School, Belgrade Bus Barn, Gym Event Center, Martha Fox Heck Elementary, Ridgeview Elementary, Quaw Elementary, Administration Building and the Curtis Building.			
Project Grant Amount:	\$ 48,728.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	6,490.00	12,105.00	kWH	
Yearly Average Usage:	77,880.00	145,260.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(67,380.00)	kWH	-87%
Calculated Savings	\$	(6,377.16)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	61,060.00		\$ 8,086.95	0.132
2008-2009	94,700.00		\$ 10,461.01	0.110
2009-2010	145,260.00		\$ 13,748.10	0.095
COMMENTS:				
Year is calculated October to September				
There are two bus barns in the Belgrade School District, the total electrical energy and costs were combined for this analysis. Electricity consumption increased in both Bus Barns by an average of 20,000 kwh per year. This is an indicator that the facility use has increased and/or changed from year to year.				

Appendix B.
 School Project Data Sheets

School District:	Belgrade			
Project Name:	Martha Fox Heck Elementary Lighting upgrade at Belgrade Middle School, Belgrade High School, Belgrade Bus Barn, Gym Event Center, Martha Fox Heck Elementary, Ridgeview Elementary, Quaw Elementary,			
Project Description:	Administration Building and the Curtis Building.			
Project Grant Amount:	\$ 48,728.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	14,443.33	13,106.67	kWH	
Yearly Average Usage:	173,320.00	157,280.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		16,040.00	kWH	9%
Electricity				
Year	Yearly Total (kWH)			
2007-2008	189,360.00			
2008-2009	157,280.00			
2009-2010	157,280.00			
COMMENTS:				
Year is calculated October to September Electric and Natural Gas Costs were combined in the in data provided. Therefore, costs were not analyzed.				

Appendix B.
 School Project Data Sheets

School District:	Belgrade			
Project Name:	Ridge View Elementary			
Project Description:	Lighting upgrade at Belgrade Middle School, Belgrade High School, Belgrade Bus Barn, Gym Event Center, Martha Fox Heck Elementary, Ridgeview Elementary, Quaw Elementary, Administration Building and the Curtis Building.			
Project Grant Amount:	\$ 48,728.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	24,360.00	23,586.67	kWH	
Yearly Average Usage:	292,320.00	283,040.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		9,280.00	kWH	3%
Electricity				
Year	Yearly Total (kWH)			
2007-2008	297,360.00			
2008-2009	287,280.00			
2009-2010	283,040.00			
COMMENTS:				
Year is calculated October to September Electric and Natural Gas Costs were combined in the in data provided. Therefore, costs were not analyzed.				

Appendix B.
School Project Data Sheets

School District:	Belgrade			
Project Name:	Quaw Elementary			
Project Description:	Lighting upgrade at Belgrade Middle School, Belgrade High School, Belgrade Bus Barn, Gym Event Center, Martha Fox Heck Elementary, Ridgeview Elementary, Quaw Elementary, Administration Building and the Curtis Building.			
Project Grant Amount:	\$ 48,728.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	18,603.33	17,583.33	kWH	
Yearly Average Usage:	223,240.00	211,000.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		12,240.00	kWH	5%
Electricity				
Year	Yearly Total (kWH)			
2007-2008	245,600.00			
2008-2009	200,880.00			
2009-2010	211,000.00			
COMMENTS:				
Year is calculated October to September Electric and Natural Gas Costs were combined in the in data provided. Therefore, costs were not analyzed.				

Appendix B.
 School Project Data Sheets

School District:	Belgrade			
Project Name:	Belgrade High School			
Project Description:	Lighting upgrade at Belgrade Middle School, Belgrade High School, Belgrade Bus Barn, Gym Event Center, Martha Fox Heck Elementary, Ridgeview Elementary, Quaw Elementary, Administration Building and the Curtis Building.			
Project Grant Amount:	\$ 54,368.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	43,490.00	38,920.00	kWH	
Yearly Average Usage:	521,880.00	467,040.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		54,840.00	kWH	11%
Electricity				
Year	Yearly Total (kWH)			
2007-2008	539,440.00			
2008-2009	504,320.00			
2009-2010	467,040.00			
COMMENTS:				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	Belgrade			
Project Name:	Belgrade High School Event Center			
Project Description:	Lighting upgrade at Belgrade Middle School, Belgrade High School, Belgrade Bus Barn, Gym Event Center, Martha Fox Heck Elementary, Ridgeview Elementary, Quaw Elementary, Administration Building and the Curtis Building.			
Project Grant Amount:	\$ 54,368.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	23,006.67	22,020.00	kWH	
Yearly Average Usage:	276,080.00	264,240.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		11,840.00	kWH	4%
Electricity				
Year	Yearly Total (kWH)			
2007-2008	275,760.00			
2008-2009	276,400.00			
2009-2010	264,240.00			
COMMENTS:				
Year is calculated October to September Electric and Natural Gas Costs were combined in the in data provided. Therefore, costs were not analyzed.				

Appendix B.
School Project Data Sheets

School District:	Bigfork			
Project Name:	Bigfork High School			
Project Description:	Replace single pane windows and install weather tight doors at Bigfork High School.			
Project Grant Amount:	\$ 73,838.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	23,643.33	22,860.00	kWH	
Yearly Average Usage:	283,720.00	274,320.00	kWH	
Natural Gas				
Monthly Average Usage:	272.48	261.62	DKt	
Yearly Average Usage:	3,269.70	3,139.40	DKt	
SAVINGS:				
Electricity				
Yearly Average Saved:		9,400.00	kWH	3%
Calculated Savings	\$	582.19	\$	
Natural Gas				
Yearly Average Saved:		130.30	DKt	4%
Calculated Savings	\$	1,173.02	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	293,080.00		\$ 18,847.20	0.064
2008-2009	274,360.00		\$ 16,858.61	0.061
2009-2010	274,320.00		\$ 16,990.02	0.062
Natural Gas				
Year	Yearly Total (DKt)		Yearly Charges	\$/DKt
2007-2008	3109.1		\$ 30,573.90	9.834
2008-2009	3430.3		\$ 36,465.40	10.630
2009-2010	3139.4		\$ 28,262.30	9.002
COMMENTS:				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Billings			
Project Name:	Billings High School Career Center			
Project Description:	Rooftop units at the Career Center and roof insulation at Facilities Services.			
Project Grant Amount:	\$ 564,000.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	99,425.00	81,025.00	kWH	
Yearly Average Usage:	1,193,100.00	972,300.00	kWH	
Natural Gas				
Monthly Average Usage:	728.42	626.83	DKt	
Yearly Average Usage:	8,741.00	7,522.00	DKt	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		220,800.00	kWH	19%
Natural Gas				
Yearly Average Saved:		1,219.00	DKt	14%
Electricity				
Year	Yearly Total (kWH)		Yearly Total (DKt)	
2007-2008	1,296,900.00		8672	
2008-2009	1,089,300.00		8810	
2009-2010	972,300.00		7522	
<u>COMMENTS:</u>				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	Billings		
Project Name:	Billings High School Facilities Services		
Project Description:	Rooftop units at the Career Center and roof insulation at Facilities Services.		
Project Grant Amount:	\$ 564,000.00		
	PRE PROJECT:	POST PROJECT:	
Electricity			
Monthly Average Usage:	8,562.71	7,725.08	kWH
Yearly Average Usage:	102,752.50	92,701.00	kWH
Natural Gas			
Monthly Average Usage:	123.88	64.67	Dkt
Yearly Average Usage:	1,486.50	776.00	Dkt
SAVINGS:			
Electricity			
Yearly Average Saved:		10,051.50	kWH 10%
Natural Gas			
Yearly Average Saved:		710.50	Dkt 48%
Electricity			
Year	Yearly Total (kWH)		Yearly Total (Dkt)
2007-2008	106,494.00		1567
2008-2009	99,011.00		1406
2009-2010	92,701.00		776
COMMENTS:			
Year is calculated October to September			

Appendix B.
School Project Data Sheets

School District:	Box Elder			
Project Name:	Box Elder K-12 School			
Project Description:	Install variable speed devices and occupancy sensors, retrofit lighting, retro-commission HVAC system and replace single pane windows.			
Project Grant Amount:	\$ 128,697.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	47,679.13	47,792.42	kWH	
Yearly Average Usage:	572,149.50	573,509.00	kWH	
Propane Gas				
Monthly Average Usage:	6,561.75	6,850.00	Gals	
Yearly Average Usage:	78,741.00	82,200.00	Gals	
SAVINGS:				
Electricity				
Yearly Average Saved:		(1,359.50)	kWH	0%
Calculated Savings	\$	(125.49)	\$	
Propane Gas				
Yearly Average Saved:		(3,459.00)	Gals	-4%
Calculated Savings	\$	(6,066.50)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2007-2008	551,800.00	225.00	\$ 58,758.21	0.106
2008-2009	592,499.00	194.00	\$ 55,805.60	0.094
2009-2010	573,509.00	216.00	\$ 52,939.00	0.092
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	73182		\$ 135,115.60	1.846
2008-2009	84300		\$ 137,226.30	1.628
2009-2010	82200		\$ 144,164.80	1.754
COMMENTS:				
Electricity year is calculated September to August. Propane year is calculated October to September.				

Appendix B.
School Project Data Sheets

School District:	Bozeman		
Project Name:	Bozeman High School		
Project Description:	Lighting upgrades at the Bozeman High School Building 1 and South Gym, as well as roof insulation at the Willson School.		
Project Grant Amount:	\$ 184,568.00		
	PRE PROJECT:	POST PROJECT:	
Electricity			
Monthly Average Usage:	117,626.67	75,613.33	kWH
Yearly Average Usage:	1,411,520.00	907,360.00	kWH
Natural Gas			
Monthly Average Usage:	573.63	497.50	Dkt
Yearly Average Usage:	6,883.50	5,970.00	Dkt
SAVINGS:			
Electricity			
Yearly Average Saved:		504,160.00	kWH 36%
Calculated Savings	\$	43,658.38	\$
Natural Gas			
Yearly Average Saved:		913.50	Dkt 13%
Calculated Savings	\$	10,984.49	\$
Electricity			
Year	Yearly Total (kWH)	Yearly Charges	\$/KWH
2007-2008	1,462,560	\$ 134,432.00	0.092
2008-2009	1,360,480	\$ 125,779.00	0.092
2009-2010	907,360	\$ 78,574.00	0.087
Natural Gas			
Year	Yearly Total (Dkt)	Yearly Charges	\$/Dkt
2007-2008	5,786.00	\$ 65,305.00	11.287
2008-2009	7,981.00	\$ 84,045.00	10.531
2009-2010	5,970.00	\$ 71,787.00	12.025
COMMENTS:			
<p>Year is calculated September to August.</p> <p>A major renovation of the building was performed between 2008 and 2010 which included an addition of approximately 60,000 square feet. New air handlers, boilers, and lighting system were installed during the renovation. There appears to be substantial energy use during the September 2008 - August 2009 analysis year. This may be related to the renovation construction and may explain the exceptional savings.</p>			

Appendix B.
School Project Data Sheets

School District:	Bozeman			
Project Name:	Wilson Elementary School			
Project Description:	Lighting upgrades at the Bozeman High School Building 1 and South Gym, as well as roof insulation at the Wilson School.			
Project Grant Amount:	\$190,943.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	28,210.00	27,180.00	kWH	
Yearly Average Usage:	338,520.00	326,160.00	kWH	
Natural Gas				
Monthly Average Usage:	478.83	502.42	Dkt	
Yearly Average Usage:	5,746.00	6,029.00	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		12,360.00	kWH	4%
Calculated Savings	\$	1,177.67	\$	
Natural Gas				
Yearly Average Saved:		(283.00)	Dkt	-5%
Calculated Savings	\$	(3,464.07)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	344,480.00	163.00	\$ 34,861.53	0.101
2008-2009	332,560.00	150.00	\$ 32,794.18	0.099
2009-2010	326,160.00	134.00	\$ 31,076.70	0.095
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	5,534.00		\$ 67,739.14	12.241
2008-2009	5,958.00		\$ 71,288.59	11.965
2009-2010	6,029.00		\$ 73,798.08	12.241
COMMENTS:				
Year is calculated September to August				

Appendix B.
 School Project Data Sheets

School District:	Broadus			
Project Name:	Broadus Powder River Co High School			
Project Description:	Lighting upgrades at the Powder River Co. High School.			
Project Grant Amount:	\$ 19,233.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	32,913.33	32,653.33	kWH	
Yearly Average Usage:	394,960.00	391,840.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		3,120.00	kWH	1%
Calculated Savings	\$	142.42	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	394,240.00	133.00	\$ 13,952.00	0.035
2008-2009	395,680.00	126.00	\$ 16,074.00	0.041
2009-2010	391,840.00	118.00	\$ 17,886.00	0.046
COMMENTS:				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	Brockton			
Project Name:	Brockton High School			
Project Description:	Update lighting throughout Brockton High School.			
Project Grant Amount:	\$ 75,000.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	39,894.71	43,943.83	kWH	
Yearly Average Usage:	478,736.50	527,326.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(48,589.50)	kWH	-10%
Calculated Savings	\$	(2,563.65)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	448,550.00		\$ 25,890.59	0.058
2008-2009	508,923.00		\$ 26,052.12	0.051
2009-2010	527,326.00		\$ 27,822.45	0.053
COMMENTS:	Year calculated September to August			

Appendix B.
School Project Data Sheets

School District:	Butte			
Project Name:	Hillcrest Elementary School			
Project Description:	Butte School District lighting upgrades and boiler replacements at Hillcrest Elementary School and Kennedy Elementary School.			
Project Grant Amount:	\$ 353,749.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	16,315.42	14,998.67	kWH	
Yearly Average Usage:	195,785.00	179,984.00	kWH	
Natural Gas				
Monthly Average Usage:	223.00	197.62	Dkt	
Yearly Average Usage:	2,676.00	2,371.40	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		15,801.00	kWH	8%
Calculated Savings	\$	3,008.54	\$	
Natural Gas				
Yearly Average Saved:		304.60	Dkt	11%
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	229,827.00		\$ 44,800.78	0.195
2008-2009	161,743.00		\$ 34,408.61	0.213
2009-2010	179,984.00		\$ 34,269.29	0.190
Natural Gas				
Year	Yearly Total (Dkt)			
2007-2008	2,773.50			
2008-2009	2,578.50			
2009-2010	2,371.40			
COMMENTS:				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	Butte			
Project Name:	Kennedy Elementary School			
Project Description:	Butte School District lighting upgrades and boiler replacements at Hillcrest Elementary School and Kennedy Elementary School.			
Project Grant Amount:	\$ 353,749.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	11,952.38	11,504.25	kWH	
Yearly Average Usage:	143,428.50	138,051.00	kWH	
Natural Gas				
Monthly Average Usage:	856.63	811.35	DKt	
Yearly Average Usage:	10,279.60	9,736.20	DKt	
SAVINGS:				
Electricity				
Yearly Average Saved:		5,377.50	kWH	4%
Calculated Savings	\$	1,314.39	\$	
Natural Gas				
Yearly Average Saved:		543.40	DKt	5%
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	149,996.00		\$ 44,498.32	0.297
2008-2009	136,861.00		\$ 39,847.51	0.291
2009-2010	138,051.00		\$ 33,742.91	0.244
Natural Gas				
Year	Yearly Total (DKt)		Yearly Charges	\$/DKt
2007-2008	9,401.40			
2008-2009	11,157.80			
2009-2010	9,736.20			
COMMENTS:				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	Canyon Creek			
Project Name:	Canyon Creek gymnasium			
Project Description:	Lighting upgrade at Canyon Creek gymnasium.			
Project Grant Amount:	\$ 12,884.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	24,506.67	25,453.33	kWH	
Yearly Average Usage:	294,080.00	305,440.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(11,360.00)	kWH	-4%
Calculated Savings	\$	(1,197.68)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	294,480.00	121.00	\$ 25,980.52	0.088
2008-2009	293,680.00	106.00	\$ 27,100.21	0.092
2009-2010	305,440.00	110.00	\$ 32,202.36	0.105
COMMENTS:				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Cascade			
Project Name:	Cascade Elementary School and High School			
Project Description:	Controls, Retro-Commissioning and Insulation Repairs at the main school building and bus garage.			
Project Grant Amount:	\$ 369,127.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	60,156.17	52,633.83	kWH	
Yearly Average Usage:	721,874.00	631,606.00	kWH	
Natural Gas				
Monthly Average Usage:	2,253.85	2,265.86	Dkt	
Yearly Average Usage:	27,046.22	27,190.30	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		90,268.00	kWH	13%
Natural Gas				
Yearly Average Saved:		(144.08)	kbtu	-1%
Calculated Savings	\$	(196.13)		
Conversion Savings	\$	44,339.47		
	Electricity	Propane	Natural Gas	
Year	Yearly Total (kWH)	Yearly Total (CCF)	Yearly Total (CCF)	
2007-2008	780,991.00	10,994.00		
2008-2009	662,757.00	10,368.00	284.00	
2009-2010	631,606.00		26424	
Natural Gas				
Year	Yearly Total (kbtu)		Yearly Charges	\$/kbtu
2007-2008	27,688.39		\$ 98,107.64	3.543
2008-2009	26,404.04		\$ 64,597.84	2.447
2009-2010	27,190.30		\$ 37,013.27	1.361
COMMENTS:				
Year is calculated October to September				
In September 2009 Cascade School converted from Propane to Natural Gas.				
Although the school saw little savings from the energy improvements (comparing btu's) the conversion from propane to natural gas results in an average savings of \$44,000 a year.				

Appendix B.
School Project Data Sheets

School District:	Centerville			
Project Name:	Centerville Elementary and High School			
Project Description:	Building Wide Energy Management System at Centerville Schools.			
Project Grant Amount:	\$ 169,107.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	42,527.79	38,543.42	kWH	
Yearly Average Usage:	510,333.50	462,521.00	kWH	
Propane Gas				
Monthly Average Usage:	547.67	823.00	Gals	
Yearly Average Usage:	6,572.00	9,876.00	Gals	
Diesel				
Monthly Average Usage:	761.88	816.67	Gals	
Yearly Average Usage:	9,142.50	9,800.00	Gals	
SAVINGS:				
Electricity				
Yearly Average Saved:		47,812.50	kWH	9%
Calculated Savings	\$	4,483.01	\$	
Propane Gas				
Yearly Average Saved:		(3,304.00)	Gals	-50%
Calculated Savings	\$	(6,571.53)	\$	
Fuel Oil				
Yearly Average Saved:		(54.79)	Gals	-7%
Calculated Savings	\$	(97.81)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	534,230.00		\$ 51,838.56	0.097
2008-2009	486,437.00		\$ 47,442.59	0.098
2009-2010	462,521.00		\$ 43,367.00	0.094
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	5,209.00		\$ 11,260.51	2.162
2008-2009	7,935.00		\$ 14,374.49	1.812
2009-2010	9,876.00		\$ 19,643.00	1.989
Fuel Oil				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	7,060.00		\$ 19,980.31	2.830
2008-2009	11,225.00		\$ 21,399.79	1.906
2009-2010	9,800.00		\$ 17,495.00	1.785
COMMENTS:				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Choteau			
Project Name:	Choteau Elementary School			
Project Description:	window retrofit, front and back entrance doors and lighting upgrades (including Industrial Arts classroom) at Choteau Elementary			
Project Grant Amount:	\$ 77,958.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	34,006.67	33,040.00	kWH	
Yearly Average Usage:	408,080.00	396,480.00	kWH	
Natural Gas				
Monthly Average Usage:	691.54	690.50	DKt	
Yearly Average Usage:	8,298.50	8,286.00	DKt	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		11,600.00	kWH	3%
Calculated Savings	\$	2,725.45	\$	
Natural Gas				
Yearly Average Saved:		12.50	DKt	0%
Calculated Savings	\$	140.53	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	420,960.00		\$ 90,200.00	0.214
2008-2009	395,200.00		\$ 90,977.00	0.230
2009-2010	396,480.00		\$ 93,154.00	0.235
Natural Gas				
Year	Yearly Total (DKt)		Yearly Charges	\$/DKt
2007-2008	8,256.00		\$ 90,200.00	10.925
2008-2009	8,341.00		\$ 90,977.00	10.907
2009-2010	8,286.00		\$ 93,154.00	11.242
<u>COMMENTS:</u>				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Circle			
Project Name:	Circle Public Schools			
Project Description:	Lighting upgrade at Redwater School and lighting upgrade at vocational shop building			
Project Grant Amount:	\$ 59,997.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	14,073.33	11,966.67	kWH	
Yearly Average Usage:	168,880.00	143,600.00	kWH	
Propane Gas				
Monthly Average Usage:	404.42	494.58	Gals	
Yearly Average Usage:	4,853.00	5,935.00	Gals	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		25,280.00	kWH	15%
Calculated Savings	\$	2,808.44	\$	
Propane Gas				
Yearly Average Saved:		(1,082.00)	Gals	-22%
Calculated Savings	\$	(5,163.25)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	159,120.00	96.00	\$ 12,769.46	0.080
2008-2009	178,640.00	93.60	\$ 15,467.74	0.087
2009-2010	143,600.00	97.60	\$ 15,953.03	0.111
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008				
2008-2009	4,853.00		\$ 25,180.30	5.189
2009-2010	5,935.00		\$ 28,321.50	4.772
<u>COMMENTS:</u>				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Columbus			
Project Name:	Columbus Elementary School			
Project Description:	Variable speed blower at Columbus Elementary and window retrofit at Columbus Elementary.			
Project Grant Amount:	\$ 60,006.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	13,735.00	13,500.00	kWH	
Yearly Average Usage:	164,820.00	162,000.00	kWH	
Natural Gas				
Monthly Average Usage:	105.82	129.01	Dkt	
Yearly Average Usage:	1,269.85	1,548.10	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		2,820.00	kWH	2%
Natural Gas				
Yearly Average Saved:		(278.25)	Dkt	-22%
Calculated Savings	\$	(3,716.96)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Total (Dkt)	Yearly Charges	\$/Unit Energy
2007-2008	160,320.00	1047.8	\$ 32,257.64	\$ 0.069
2008-2009	169,320.00	1491.9	\$ 31,791.33	\$ 0.052
2009-2010	162,000.00	1548.1	\$ 29,069.00	\$ 0.047
COMMENTS:				
	Year is calculated September to August			

Appendix B.
 School Project Data Sheets

School District:	Conrad			
Project Name:	Conrad High School			
Project Description:	Boiler and pipes at the Conrad High School.			
Project Grant Amount:	\$ 165,170.00			
	PRE PROJECT:	POST PROJECT:		
Natural Gas				
Monthly Average Usage:	448.17	428.75	Dkt	
Yearly Average Usage:	5,378.00	5,145.00	Dkt	
<u>SAVINGS:</u>				
Natural Gas				
Yearly Average Saved:		233.00	Dkt	4%
Calculated Savings	\$	2,669.84	\$	
Year		Yearly Total (Dkt)	Yearly Charges	\$/Dkt
2007-2008		5,621.00	\$ 60,322.50	10.732
2008-2009		5,135.00	\$ 56,171.70	10.939
2009-2010		5,145.00	\$ 58,954.20	11.459
<u>COMMENTS:</u>				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Corvallis			
Project Name:	Corvallis High School-JR High			
Project Description:	Upgrade gym lighting at Corvallis High School, retrofit unit controls and install new HVAC system at Corvallis Primary School.			
Project Grant Amount:	\$ 94,130.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	62,412.63	67,407.00	kWH	
Yearly Average Usage:	748,951.50	808,884.00	kWH	
Natural Gas				
Monthly Average Usage:	600.48	604.35	Dkt	
Yearly Average Usage:	7,205.75	7,252.20	Dkt	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		(59,932.50)	kWH	-8%
Calculated Savings	\$	(5,508.88)	\$	
Natural Gas				
Yearly Average Saved:		(46.45)	Dkt	-1%
Calculated Savings	\$	(414.91)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2007-2008	696,825	80	74,582	0.107
2008-2009	801,078	88	75,815	0.095
2009-2010	808,884	84	74,351	0.092
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	7,321.50		82,592	11.281
2008-2009	7,090.00		75,894	10.704
2009-2010	7,252.20		64,779	8.932
<u>COMMENTS:</u>				
Year is calculated October to September.				
Actual energy improvements were not completed until August-September of 2010.				
Electrical energy savings for the month of October 2010 is approximately 9.5%.				

Appendix B.
School Project Data Sheets

School District:	Cottonwood			
Project Name:	Cottonwood Elementary			
Project Description:	Install insulation, upgrade lighting, replace windows and install electric water heaters at the Cottonwood School.			
Project Grant Amount:	\$ 41,675.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	461.92	646.33	kWH	
Yearly Average Usage:	5,543.00	7,756.00	kWH	
Propane Gas				
Monthly Average Usage:	136.11	90.43	Gals	
Yearly Average Usage:	1,633.30	1,085.20	Gals	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		(2,213.00)	kWH	-40%
Calculated Savings	\$	(236.38)	\$	
Propane Gas				
Yearly Average Saved:		548.10	Gals	34%
Calculated Savings	\$	1,320.60	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	5,759.00		\$ 666.86	0.116
2008-2009	5,327.00		\$ 600.04	0.113
2009-2010	7,756.00		\$ 828.45	0.107
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/DKt
2007-2008	1,679.30		\$ 3,799.10	2.262
2008-2009	1,587.30		\$ 2,485.50	1.566
2009-2010	1,085.20		\$ 2,614.70	2.409
<u>COMMENTS:</u>				
Year is calculated September to August				

Appendix B.
 School Project Data Sheets

School District:	Darby			
Project Name:	Darby Middle School			
Project Description:	Lighting upgrade at Darby High School, Darby Middle School and the Modular/Library			
Project Grant Amount:	\$ 21,325.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	20,066.67	18,790.00	kWH	
Yearly Average Usage:	240,800.00	225,480.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		15,320.00	kWH	6%
Calculated Savings	\$	648.88	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2007-2008	242,360.00	74.00	\$ 9,147.83	0.038
2008-2009	239,240.00	75.00	\$ 9,204.15	0.038
2009-2010	225,480.00	85.00	\$ 9,550.28	0.042
COMMENTS:				
Year is calculated September to August				

Appendix B.
 School Project Data Sheets

School District:	Darby			
Project Name:	Darby High School			
Project Description:	Lighting upgrade at Darby High School, Darby Middle School and the Modular/Library			
Project Grant Amount:	\$ 21,325.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	31,786.67	26,660.00	kWH	
Yearly Average Usage:	381,440.00	319,920.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		61,520.00	kWH	16%
Calculated Savings	\$	2,164.18	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2007-2008	390,880.00	107.00	\$ 13,090.11	0.033
2008-2009	372,000.00	107.00	\$ 12,402.23	0.033
2009-2010	319,920.00	94.00	\$ 11,254.32	0.035
COMMENTS:				
Year is calculated September to August				

Appendix B.
 School Project Data Sheets

School District:	Darby			
Project Name:	Darby Modular Library School			
Project Description:	Lighting upgrade at Darby High School, Darby Middle School and the Modular/Library			
Project Grant Amount:	\$ 21,325.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	967.79	930.42	kWH	
Yearly Average Usage:	11,613.50	11,165.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		448.50	kWH	4%
Calculated Savings	\$	25.18	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	13,711.00		\$ 758.79	0.055
2008-2009	9,516.00		\$ 548.60	0.058
2009-2010	11,165.00		\$ 626.83	0.056
COMMENTS:				
Year is calculated September to August				

Appendix B.
 School Project Data Sheets

School District:	Denton			
Project Name:	Denton Elementary and High School			
Project Description:	Upgrade lighting in music room at Denton Schools.			
Project Grant Amount:	\$ 20,544.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	16,011.67	15,523.33	kWH	
Yearly Average Usage:	192,140.00	186,280.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		5,860.00	kWH	3%
Calculated Savings	\$	553.26	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	186,280.00		\$ 18,311.66	0.098
2008-2009	198,000.00		\$ 18,988.04	0.096
2009-2010	186,280.00		\$ 17,587.29	0.094
COMMENTS:				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	DeSmet			
Project Name:	DeSmet School			
Project Description:	Upgrade lighting in the main building and gymnasium at DeSmet School.			
Project Grant Amount:	\$ 59,746.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	12,835.00	13,560.00	kWH	
Yearly Average Usage:	154,020.00	162,720.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(8,700.00)	kWH	-6%
Calculated Savings	\$	(342.93)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	147,720.00		\$ 5,670.00	0.038
2008-2009	160,320.00		\$ 6,322.00	0.039
2009-2010	162,720.00		\$ 6,414.00	0.039
COMMENTS:				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Dillon			
Project Name:	Dillon Elementary School			
Project Description:	Replace boiler at Dillon Middle School.			
Project Grant Amount:	\$ 72,304.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	8,050.00	7,780.00	kWH	
Yearly Average Usage:	96,600.00	93,360.00	kWH	
Natural Gas				
Monthly Average Usage:	235.12	265.94	Dkt	
Yearly Average Usage:	2,821.45	3,191.30	Dkt	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		3,240.00	kWH	3%
Calculated Savings	\$	331.35	\$	
Natural Gas				
Yearly Average Saved:		(369.85)	Dkt	-13%
Calculated Savings	\$	(3,391.68)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2007-2008	96,960.00	43.00	\$ 10,258.62	0.106
2008-2009	96,240.00	43.00	\$ 10,133.18	0.105
2009-2010	93,360.00	41.00	\$ 9,547.91	0.102
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	2,946.50		\$ 33,869.00	11.495
2008-2009	2,696.40		\$ 29,415.50	10.909
2009-2010	3,191.30		\$ 29,265.52	9.170
<u>COMMENTS:</u>				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Dutton			
Project Name:	Dutton/Brady Public Schools			
Project Description:	New windows and doors at Dutton/Brady Schools.			
Project Grant Amount:	\$ 80,996.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	28,386.67	24,506.67	kWH	
Yearly Average Usage:	340,640.00	294,080.00	kWH	
Diesel Gas				
Monthly Average Usage:	2,458.38	1,250.00	Gals	
Yearly Average Usage:	29,500.50	15,000.00	Gals	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		46,560.00	kWH	14%
Calculated Savings	\$	4,451.76	\$	
Diesel Gas				
Yearly Average Saved:		14,500.50	Gals	49%
Calculated Savings	\$	31,968.77	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	359,200.00		\$ 32,460.00	0.090
2008-2009	322,080.00		\$ 31,041.00	0.096
2009-2010	294,080.00		\$ 28,118.00	0.096
Diesel				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	35,001.00		\$ 104,478.00	2.985
2008-2009	24,000.00		\$ 35,708.00	1.488
2009-2010	15,000.00		\$ 33,070.00	2.205
<u>COMMENTS:</u>				
Year is calculated October to September				
The savings shown above is likely due to incomplete 2010 delivery data for Diesel.				

Appendix B.
School Project Data Sheets

School District:	East Helena			
Project Name:	Radley Elementary School			
Project Description:	Upgrade lighting in Radley Elementary School, Eastgate School, East Valley Middle School and the Administration Building.			
Project Grant Amount:	\$ 71,501.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	864.33	726.58	kWH	
Yearly Average Usage:	10,372.00	8,719.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		1,653.00	kWH	16%
Calculated Savings	\$	176.94	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	10,547.00		\$ 1,142.33	0.108
2008-2009	10,197.00		\$ 1,080.67	0.106
2009-2010	8,719.00		\$ 933.31	0.107
<u>COMMENTS:</u>				
Year is calculated September to August				

Appendix B.
School Project Data Sheets

School District:	East Helena			
Project Name:	Eastgate School			
Project Description:	Upgrade lighting in Radley Elementary School, Eastgate School, East Valley Middle School and the Administration Building.			
Project Grant Amount:	\$ 71,501.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	27,410.00	21,553.33	kWH	
Yearly Average Usage:	328,920.00	258,640.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		70,280.00	kWH	21%
Calculated Savings	\$	6,964.30	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	383,440.00		\$ 37,444.93	0.098
2008-2009	274,400.00		\$ 28,045.42	0.102
2009-2010	258,640.00		\$ 25,629.59	0.099
<u>COMMENTS:</u>				
Year is calculated September to August				

Appendix B.
 School Project Data Sheets

School District:	East Helena			
Project Name:	East Valley Elementary School			
Project Description:	Upgrade lighting in Radley Elementary School, Eastgate School, East Valley Middle School and the Administration Building.			
Project Grant Amount:	\$ 71,501.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	41,030.00	44,500.00	kWH	
Yearly Average Usage:	492,360.00	534,000.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		(41,640.00)	kWH	-8%
Calculated Savings	\$	(3,760.48)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	504,880.00		\$ 48,145.26	0.095
2008-2009	479,840.00		\$ 45,318.11	0.094
2009-2010	534,000.00		\$ 48,225.18	0.090
<u>COMMENTS:</u>				
Year is calculated September to August				

Appendix B.
 School Project Data Sheets

School District:	East Helena			
Project Name:	Administration Building Upgrade lighting in Radley Elementary School, Eastgate School, East Valley Middle School and the Administration Building.			
Project Description:	and the Administration Building.			
Project Grant Amount:	\$ 71,501.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	28,836.67	28,691.67	kWH	
Yearly Average Usage:	346,040.00	344,300.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		1,740.00	kWH	1%
Calculated Savings	\$	173.03	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	347,520.00		\$ 36,349.15	0.105
2008-2009	344,560.00		\$ 36,282.80	0.105
2009-2010	344,300.00		\$ 34,237.44	0.099
COMMENTS:				
Year is calculated September to August				

Appendix B.
School Project Data Sheets

School District:	Eureka			
Project Name:	Eureka Schools			
Project Description:	Dual pane windows and lighting upgrades at the Junior High and Elementary School.			
Project Grant Amount:	\$ 353,516.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	108,729.08	114,199.83	kWH	
Yearly Average Usage:	1,304,749.00	1,370,398.00	kWH	
Propane Gas				
Monthly Average Usage:	3,213.83	1,362.42	Gals	
Yearly Average Usage:	38,566.00	16,349.00	Gals	
Coal				
Monthly Average Usage:	37.25	35.25	Gals	
Yearly Average Usage:	447.00	423.00	Gals	
Diesel				
Monthly Average Usage:	1,458.50	1,125.33	Gals	
Yearly Average Usage:	17,502.00	13,504.00	Gals	
SAVINGS:				
Electricity				
Yearly Average Saved:		(65,649.00)	kWH	-5%
Calculated Savings	\$	(3,100.75)	\$	
Propane Gas				
Yearly Average Saved:		22,217.00	Gals	58%
Calculated Savings	\$	15,219.92	\$	
Biomass				
Yearly Average Saved:		24.00	Tons	5%
Calculated Savings	\$	1,607.43	\$	
Diesel				
Yearly Average Saved:		333.17	Gals	23%
Calculated Savings	\$	751.94	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	1,309,705.00		\$ 56,416.00	0.043
2008-2009	1,299,793.00		\$ 61,331.00	0.047
2009-2010	1,370,398.00		\$ 64,727.00	0.047
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	49,949		\$ 90,960.00	1.821
2008-2009	27,183		\$ 31,679.00	1.165
2009-2010	16,349		\$ 11,200.00	0.685
Biomass				
Year	Yearly Total (Tons)		Yearly Charges	\$/Ton
2007-2008				
2008-2009	447		\$ 17,891.60	40.026
2009-2010	423		\$ 28,330.95	66.976
Diesel				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	15,501		\$ 42,805.00	2.761
2008-2009	19,503		\$ 30,441.00	1.561
2009-2010	13,504		\$ 30,478.00	2.257
COMMENTS:	Year is calculated October to September			

Appendix B.
School Project Data Sheets

School District:	Florence			
Project Name:	Florence Carlton School			
Project Description:	Controls and Retro-Commissioning at the Boiler Plant, High School, Middle School, Upper Primary, Lower Primary, District Office, Shops and Portables.			
Project Grant Amount:	\$ 441,378.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	70,542.46	71,350.33	kWH	
Yearly Average Usage:	846,509.50	856,204.00	kWH	
Natural Gas				
Monthly Average Usage:	377.00	304.25	Dkt	
Yearly Average Usage:	4,524.00	3,651.00	Dkt	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		(9,694.50)	kWH	-1%
Natural Gas				
Yearly Average Saved:		873.00	Dkt	19%
Calculated Savings	\$	14,789.20	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Total (Dkt)	Yearly Charges	\$/Unit Energy
2007-2008	862,804.00	4690	\$ 150,621.00	\$ 0.067
2008-2009	830,215.00	4358	\$ 125,739.00	\$ 0.060
2009-2010	856,204.00	3651	\$ 115,725.12	\$ 0.060
<u>COMMENTS:</u>				
Year is calculated September to August				

Appendix B.
School Project Data Sheets

School District:	Frenchtown			
Project Name:	Frenchtown High School			
Project Description:	Frenchtown High School (Heat Pump Replacement)			
Project Grant Amount:	\$ 462,206.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	127,663.67	92,275.08	kWH	
Yearly Average Usage:	1,531,964.00	1,107,301.00	kWH	
Propane Gas				
Monthly Average Usage:	2,917.16	3,833.03	Gals	
Yearly Average Usage:	35,005.90	45,996.40	Gals	
SAVINGS:				
Electricity				
Yearly Average Saved:		424,663.00	kWH	28%
Calculated Savings	\$	29,060.86	\$	
Propane Gas				
Yearly Average Saved:		(10,990.50)	Gals	-31%
Calculated Savings	\$	(15,523.00)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	1,855,360.00		\$ 118,163.88	0.064
2008-2009	1,208,568.00		\$ 78,951.02	0.065
2009-2010	1,107,301.00		\$ 75,775.65	0.068
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2008-2009	35005.9		\$ 59,626.70	1.703
2009-2010	45996.4		\$ 64,965.40	1.412
COMMENTS:				
Year is calculated June to July Frenchtown School expanded from 85,225 sq ft to 198,895 sq ft. Construction started in 2007. In September of 2009 the school moved into the expansion. With the increase in size and construct a savings cannot be analyzed or shown accurately.				

Appendix B.
School Project Data Sheets

School District:	Frontier Elementary (Wolf Point)
Project Name:	Frontier Elementary
Project Description:	Lighting upgrade throughout Frontier School.
Project Grant Amount:	\$12,075.00
No Data was provided for Frontier Elementary	

School District:	Geyser			
Project Name:	Geyser Schools			
Project Description:	Lighting/sensor upgrade and window replacement at Geysers Schools.			
Project Grant Amount:	\$ 17,300.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	12,285.58	10,236.17	kWH	
Yearly Average Usage:	147,427.00	122,834.00	kWH	
Propane Gas				
Monthly Average Usage:	1,221.33	703.92	Gals	
Yearly Average Usage:	14,656.00	8,447.00	Gals	
Coal				
Monthly Average Usage:	9.82	4.28	Gals	
Yearly Average Usage:	117.86	51.34	Gals	
Diesel				
Monthly Average Usage:	365.85	82.33	Gals	
Yearly Average Usage:	4,390.25	988.00	Gals	
SAVINGS:				
Electricity				
Yearly Average Saved:		24,593.00	kWH	17%
Calculated Savings	\$	2,822.37	\$	
Propane Gas				
Yearly Average Saved:		6,209.00	Gals	42%
Calculated Savings	\$	9,664.86	\$	
Coal				
Yearly Average Saved:		66.52	Gals	56%
Calculated Savings	\$	5,404.37	\$	
Diesel				
Yearly Average Saved:		283.52	Gals	77%
Calculated Savings	\$	660.76	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	157,925.00			0.000
2008-2009	136,929.00			0.000
2009-2010	122,834.00		\$ 14,096.84	0.115
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	15,679.00		\$ 28,006.53	1.786
2008-2009	13,633.00		\$ 22,400.62	1.643
2009-2010	8,447.00		\$ 13,148.51	1.557
Coal				
Year	Yearly Total (Tons)		Yearly Charges	\$/Ton
2007-2008	100.74		\$ 7,555.50	75.000
2008-2009	134.98		\$ 10,611.80	78.618
2009-2010	51.34		\$ 4,171.08	81.244
Diesel				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	2,954.00		\$ 8,146.24	2.758
2008-2009	5,826.50		\$ 10,365.02	1.779
2009-2010	988.00		\$ 2,302.60	2.331
COMMENTS:				
Year is calculated June to July				
The savings shown above is likely due to incomplete 2010 delivery data for Coal, Diesel, and Propane. Majority of 2010 data is missing.				

Appendix B.
School Project Data Sheets

School District:	Glendive			
Project Name:	Dawson High School			
Project Description:	Window replacement at Dawson High School.			
Project Grant Amount:	\$ 469,833.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	89,677.72	76,672.00	kWH	
Yearly Average Usage:	1,076,132.63	920,064.00	kWH	
Natural Gas				
Monthly Average Usage:	949.14	785.39	Dkt	
Yearly Average Usage:	11,389.70	9,424.70	Dkt	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		156,068.63	kWH	15%
Calculated Savings	\$	10,855.84	\$	
Natural Gas				
Yearly Average Saved:		1,965.00	Dkt	17%
Calculated Savings	\$	13,111.46	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	1,154,633.26		\$ 74,681.59	0.065
2008-2009	997,632.00		\$ 68,707.96	0.069
2009-2010	920,064.00		\$ 63,997.90	0.070
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	11,646.40		\$ 98,226.90	8.434
2008-2009	11,133.00		\$ 90,776.00	8.154
2009-2010	9,424.70		\$ 62,886.30	6.672
<u>COMMENTS:</u>				
Year is calculated September to August				
Additional Improvements Since Quick Start Grant Program - Updated heaters and insulated the closed up skylights.				

Appendix B.
 School Project Data Sheets

School District:	Grass Range			
Project Name:	Grass Range Elementary and High School			
Project Description:	Window upgrades, lighting upgrade and replacement of exterior doors at the Grass Range School.			
Project Grant Amount:	\$ 54,702.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	24,635.00	20,486.67	kWH	
Yearly Average Usage:	295,620.00	245,840.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		49,780.00	kWH	17%
Calculated Savings	\$	6,125.61	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/Unit Energy
2007-2008	329,120.00		\$ 27,582.06	\$ 0.084
2008-2009	262,120.00		\$ 28,448.79	\$ 0.109
2009-2010	245,840.00		\$ 30,251.52	\$ 0.123
COMMENTS:				
Year is calculated September to August Additional Improvements Since Quick Start Grant Program - Updated heaters and insulated the closed up skylights. Building is heated with electricity.				

Appendix B.
 School Project Data Sheets

School District:	Great Falls			
Project Name:	Great Falls CM Russell High School			
Project Description:	Lighting upgrades at CM Russell High School.			
Project Grant Amount:	\$ 354,134.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	183,386.67	164,970.00	kWH	
Yearly Average Usage:	2,200,640.00	1,979,640.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		221,000.00	kWH	10%
Calculated Savings	\$	21,444.34	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2006-2007	2,248,800.00		\$ 164,024.21	0.073
2007-2008	2,080,560.00		\$ 162,639.17	0.078
2008-2009	2,272,560.00		\$ 192,115.20	0.085
2009-2010	1,979,640.00		\$ 192,090.83	0.097
<u>COMMENTS:</u>				
Year is calculated September to August				

Appendix B.
School Project Data Sheets

School District:	Hamilton K-12 Schools
Project Name:	Boiler & Lighting
Project Description:	Replace boiler at district office and replace lighting at Middle School.
Project Grant Amount:	\$ 60,234.00
No Data was provided for Hamilton	

Appendix B.
School Project Data Sheets

School District: Harlowton				
Project Name: Hillcrest Elementary School				
Project Description: New windows at Hillcrest Elementary for kindergarten and music room.				
Project Grant Amount: \$ 25,202.00				
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	5,859.17	4,442.50	kWH	
Yearly Average Usage:	70,310.00	53,310.00	kWH	
Natural Gas				
Monthly Average Usage:	116.25	113.73	DKt	
Yearly Average Usage:	1,395.03	1,364.80	DKt	
SAVINGS:				
Electricity				
Yearly Average Saved:		17,000.00	kWH	24%
Natural Gas				
Yearly Average Saved:		30.23	DKt	2%
Calculated Savings	\$	1,142.79	\$	
	Electricity	Natural Gas		
Year	Yearly Total (kWH)	Yearly Total (DKt)	Yearly Charges	\$/Unit Energy
2006-2007	73,360.00	1,320.30	\$ 22,319.85	\$ 0.048
2007-2008	77,840.00	1,516.00	\$ 25,698.70	\$ 0.049
2008-2009	59,730.00	1,348.80	\$ 22,867.71	\$ 0.050
2009-2010	53,310.00	1,364.80	\$ 20,031.72	\$ 0.044
COMMENTS:				
Year is calculated October to September				

Appendix B.
 School Project Data Sheets

School District:	Havre			
Project Name:	Havre Middle School and Havre High School			
Project Description:	Lighting related upgrades throughout Havre Middle School and Havre High School.			
Project Grant Amount:	\$ 79,972.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	134,305.00	128,806.67	kWH	
Yearly Average Usage:	1,611,660.00	1,545,680.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		65,980.00	kWH	4%
Calculated Savings	\$	5,868.53	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	1,562,480.00		\$ 148,294.17	0.095
2008-2009	1,660,840.00		\$ 147,820.00	0.089
2009-2010	1,545,680.00		\$ 137,479.00	0.089
<u>COMMENTS:</u>				
Year is calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Capital High			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 234,311.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	160,686.67	147,353.33	kWH	
Yearly Average Usage:	1,928,240.00	1,768,240.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		160,000.00	kWH	8%
Calculated Savings	\$	13,451.93	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	1,928,240.00	511.00	\$ 166,870.00	0.087
2009-2010	1,768,240.00	454.00	\$ 148,664.00	0.084
COMMENTS:				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Helena High and Votech Building			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 234,311.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	124,360.00	106,973.33	kWH	
Yearly Average Usage:	1,492,320.00	1,283,680.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		208,640.00	kWH	14%
Calculated Savings	\$	18,858.67	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2008-2009	1,492,320.00	338.00	\$ 134,114.00	0.090
2009-2010	1,283,680.00	298.00	\$ 116,030.00	0.090
COMMENTS:				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	CR Anderson			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	60,253.33	53,113.33	kWH	
Yearly Average Usage:	723,040.00	637,360.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		85,680.00	kWH	12%
Calculated Savings	\$	7,877.30	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	723,040.00	217.00	\$ 65,723.00	0.091
2009-2010	637,360.00	337.00	\$ 58,598.00	0.092
COMMENTS:	Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.			

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Helena Middle School			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	43,984.00	41,104.00	kWH	
Yearly Average Usage:	527,808.00	493,248.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		34,560.00	kWH	7%
Calculated Savings	\$	3,006.89	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	527,808.00	159.00	\$ 47,157.00	0.089
2009-2010	493,248.00	148.00	\$ 42,915.00	0.087
COMMENTS:				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Smith Elementary			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	23,780.00	21,313.33	kWH	
Yearly Average Usage:	285,360.00	255,760.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		29,600.00	kWH	10%
Calculated Savings	\$	2,683.86	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	285,360.00	96.00	\$ 26,173.00	0.092
2009-2010	255,760.00	84.00	\$ 23,190.00	0.091
COMMENTS:				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Rossiter Elementary			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	27,053.42	22,407.67	kWH	
Yearly Average Usage:	324,641.00	268,892.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		55,749.00	kWH	17%
Calculated Savings	\$	5,427.24	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	324,641.00	116.00	\$ 31,057.00	0.096
2009-2010	268,892.00	94.00	\$ 26,177.00	0.097
<u>COMMENTS:</u>				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Kessler Elementary			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	15,970.00	15,883.33	kWH	
Yearly Average Usage:	191,640.00	190,600.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		1,040.00	kWH	1%
Calculated Savings	\$	98.75	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	191,640.00	74.00	\$ 18,856.00	0.098
2009-2010	190,600.00	69.00	\$ 18,098.00	0.095
<u>COMMENTS:</u>	Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.			

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Four Georgians Elementary			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	22,540.00	21,580.00	kWH	
Yearly Average Usage:	270,480.00	258,960.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		11,520.00	kWH	4%
Calculated Savings	\$	1,104.36	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	270,480.00	100.00	\$ 26,349.00	0.097
2009-2010	258,960.00	94.00	\$ 24,825.00	0.096
COMMENTS:	Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.			

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Warren Elementary			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	14,870.00	14,020.00	kWH	
Yearly Average Usage:	178,440.00	168,240.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		10,200.00	kWH	6%
Calculated Savings	\$	986.35	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	178,440.00	65.00	\$ 17,196.00	0.096
2009-2010	168,240.00	62.00	\$ 16,269.00	0.097
<u>COMMENTS:</u>				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Jim Darcy Elementary			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	12,340.00	11,540.00	kWH	
Yearly Average Usage:	148,080.00	138,480.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		9,600.00	kWH	6%
Calculated Savings	\$	889.84	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2008-2009	148,080.00	50.00	\$ 13,892.00	0.094
2009-2010	138,480.00	50.00	\$ 12,836.00	0.093
COMMENTS:				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Central Elementary			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	11,210.00	11,203.33	kWH	
Yearly Average Usage:	134,520.00	134,440.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		80.00	kWH	0%
Calculated Savings	\$	7.68	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	134,520.00	54.00	\$ 13,328.00	0.099
2009-2010	134,440.00	51.00	\$ 12,913.00	0.096
<u>COMMENTS:</u>				
Year is calculated October to September				
Only 2010-2009 and 2009-2008				
School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Bryant Elementary			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	12,596.67	11,996.67	kWH	
Yearly Average Usage:	151,160.00	143,960.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		7,200.00	kWH	5%
Calculated Savings	\$	688.34	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	151,160.00	65.00	\$ 14,462.00	0.096
2009-2010	143,960.00	65.00	\$ 13,763.00	0.096
COMMENTS:				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Broadwater Elementary			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	15,345.00	15,041.67	kWH	
Yearly Average Usage:	184,140.00	180,500.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		3,640.00	kWH	2%
Calculated Savings	\$	334.40	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	184,140.00	63.00	\$ 17,218.00	0.094
2009-2010	180,500.00	58.00	\$ 16,582.00	0.092
COMMENTS:	Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.			

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Hawthorne Elementary			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	6,311.58	5,698.67	kWH	
Yearly Average Usage:	75,739.00	68,384.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		7,355.00	kWH	10%
Calculated Savings	\$	692.01	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	75,739.00	21.00	\$ 7,123.00	0.094
2009-2010	68,384.00	21.00	\$ 6,434.00	0.094
<u>COMMENTS:</u>				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Jefferson Elementary			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	9,738.33	8,976.67	kWH	
Yearly Average Usage:	116,860.00	107,720.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		9,140.00	kWH	8%
Calculated Savings	\$	893.30	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2008-2009	116,860.00	49.00	\$ 11,565.00	0.099
2009-2010	107,720.00	46.00	\$ 10,528.00	0.098
COMMENTS:				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Lincoln School			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	9,326.67	9,333.33	kWH	
Yearly Average Usage:	111,920.00	112,000.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		(80.00)	kWH	0%
Calculated Savings	\$	(7.97)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	111,920.00	53.00	\$ 11,179.00	0.100
2009-2010	112,000.00	45.00	\$ 11,162.00	0.100
<u>COMMENTS:</u>				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

School District:	Helena			
Project Name:	Ray Bjork Early Childhood Center			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	8,780.00	7,883.33	kWH	
Yearly Average Usage:	105,360.00	94,600.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		10,760.00	kWH	10%
Calculated Savings	\$	1,035.39	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	105,360.00	40.00	\$ 10,124.00	0.096
2009-2010	94,600.00	39.00	\$ 9,103.00	0.096
COMMENTS:	Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.			

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Seventh Avenue Gym			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	3,192.50	2,999.25	kWH	
Yearly Average Usage:	38,310.00	35,991.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		2,319.00	kWH	6%
Calculated Savings	\$	210.95	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2008-2009	38,310.00	14.00	\$ 3,737.00	0.098
2009-2010	35,991.00	13.00	\$ 3,274.00	0.091
COMMENTS:	Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.			

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Maintenance Shops			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	7,119.33	6,533.42	kWH	
Yearly Average Usage:	85,432.00	78,401.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		7,031.00	kWH	8%
Calculated Savings	\$	739.86	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2008-2009	85,432.00	32.00	\$ 8,915.00	0.104
2009-2010	78,401.00	30.00	\$ 8,250.00	0.105
<u>COMMENTS:</u>				
Year is calculated October to September				
Only 2010-2009 and 2009-2008				
School Provided Spreadsheet. Actual Utility Bills not used.				

School District:	Helena			
Project Name:	the May Butler Center			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	10,400.00	11,206.67	kWH	
Yearly Average Usage:	124,800.00	134,480.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(9,680.00)	kWH	-8%
Calculated Savings	\$	(850.46)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	124,800.00	40.00	\$ 11,021.00	0.088
2009-2010	134,480.00	40.00	\$ 11,815.00	0.088
COMMENTS:	Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.			

School District:	Helena			
Project Name:	Front Street Learning Center			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	13,260.00	12,673.33	kWH	
Yearly Average Usage:	159,120.00	152,080.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		7,040.00	kWH	4%
Calculated Savings	\$	651.92	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	159,120.00	56.00	\$ 14,753.00	0.093
2009-2010	152,080.00	53.00	\$ 14,083.00	0.093
<u>COMMENTS:</u>				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Helena			
Project Name:	Caird Storage Facility.			
Project Description:	Lighting upgrades at Capital High, Helena High and Votech Building, CR Anderson, Helena Middle School, Smith Elementary, Rossiter Elementary, Kessler Elementary, Four Georgians Elementary, Warren Elementary, Jim Darcy Elementary, Central Elementary, Bryant Elementary, Broadwater Elementary, Hawthorne Elementary, Jefferson Elementary, Lincoln School, Ray Bjork Early Childhood Center, Seventh Avenue Gym, Maintenance Shops, the May Butler Center, Front Street Learning Center and the Caird Storage Facility.			
Project Grant Amount:	\$ 313,219.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	227.92	185.83	kWH	
Yearly Average Usage:	2,735.00	2,230.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		505.00	kWH	18%
Calculated Savings	\$	609.85	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2008-2009	2,735.00		\$ 5,521.00	2.019
2009-2010	2,230.00		\$ 2,693.00	1.208
COMMENTS:				
Year is calculated October to September Only 2010-2009 and 2009-2008 School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
 School Project Data Sheets

School District:	Hellgate			
Project Name:	Hellgate Intermediate and Primary Schools			
Project Description:	Replace boiler system at Hellgate Intermediate and replace boiler system at Hellgate Primary.			
Project Grant Amount:	\$ 144,245.00			
	PRE PROJECT:	POST PROJECT:		
Natural Gas				
Monthly Average Usage:	158.68	142.52	Dkt	
Yearly Average Usage:	1,904.15	1,710.20	Dkt	
SAVINGS:				
Natural Gas				
Yearly Average Saved:		193.95	Dkt	10%
Calculated Savings	\$	1,766.44	\$	
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$(/Dkt)
2007-2008	1800.8		20855.2 \$	11.58
2008-2009	2007.5		21487.58 \$	10.70
2009-2010	1710.2		15576.01 \$	9.11
COMMENTS:				
Year calculated from September to October. This analysis looked at only the natural gas usage and charges related to the boiler.				

Appendix B.
School Project Data Sheets

School District:	Highwood			
Project Name:	Highwood Elementary and High School			
Project Description:	Insulate ceiling and upgrade lighting at the Highwood Schools gymnasium.			
Project Grant Amount:	\$ 10,527.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	15,677.58	14,716.50	kWH	
Yearly Average Usage:	188,131.00	176,598.00	kWH	
Propane Gas				
Monthly Average Usage:	1,477.83	1,272.50	Gals	
Yearly Average Usage:	17,734.00	15,270.00	Gals	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		11,533.00	kWH	6%
Calculated Savings	\$	969.99	\$	
Propane Gas				
Yearly Average Saved:		2,464.00	Gals	14%
Calculated Savings	\$	3,910.42	\$	
Total Calculated Savings	\$	4,880.41	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	193,907.00		\$ 13,363.57	0.069
2008-2009	182,355.00		\$ 14,080.64	0.077
2009-2010	176,598.00		\$ 14,852.89	0.084
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/KWH
2007-2008	17358		\$ 33,560.30	1.933
2008-2009	18110		\$ 38,932.70	2.150
2009-2010	15270		\$ 24,233.80	1.587
<u>COMMENTS:</u>				
Electricity year is calculated October to September to analyze project savings after project completion.				
Propane is not delivered on a month to month bases so propane was analyzed to follow the school calendar year. Propane year is calculated July to June				

Appendix B.
School Project Data Sheets

School District:	Hinsdale			
Project Name:	Hinsdale public Schools Gym			
Project Description:	Lighting upgrade in the gymnasium.			
Project Grant Amount:	\$ 20,000.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	17,835.00	17,503.33	kWH	
Yearly Average Usage:	214,020.00	210,040.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		3,980.00	kWH	2%
Calculated Savings	\$	412.50	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	215,320.00	96.00	\$ 22,872.00	0.106
2008-2009	212,720.00	99.00	\$ 22,150.00	0.104
2009-2010	210,040.00	99.00	\$ 21,769.00	0.104
COMMENTS:				
Year is calculated October to September.				

Appendix B.
 School Project Data Sheets

School District:		Huntley		
Project Name:		Huntley Project Elementary School		
Project Description:		Lighting upgrades at the Elementary School and Career and Technical Education Center.		
Project Grant Amount:		\$ 219,376.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	24,990.00	24,790.00	kWH	
Yearly Average Usage:	299,880.00	297,480.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		2,400.00	kWH	1%
Calculated Savings	\$	190.53	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	314,400.00		\$ 19,799.82	0.063
2008-2009	285,360.00		\$ 19,381.21	0.068
2009-2010	297,480.00		\$ 23,615.68	0.079
COMMENTS:				
Year is calculated September to August.				

Appendix B.
 School Project Data Sheets

School District:		Huntley		
Project Name:		Huntley Project CTE School		
Project Description:		Lighting upgrades at the Elementary School and Career and Technical Education Center.		
Project Grant Amount:		\$ 219,376.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	19,783.33	19,440.00	kWH	
Yearly Average Usage:	237,400.00	233,280.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		4,120.00	kWH	2%
Calculated Savings	\$	294.51	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	249,760.00		\$ 14,968.24	0.060
2008-2009	225,040.00		\$ 14,086.16	0.063
2009-2010	233,280.00		\$ 16,675.46	0.071
COMMENTS:				
Year is calculated September to August. Propane year is analyzed to follow the school calendar year.				

Appendix B.
School Project Data Sheets

School District:	Hysham			
Project Name:	Hysham Public Schools			
Project Description:	Replacement of 33 exterior classroom windows at Hysham Public Schools.			
Project Grant Amount:	\$ 24,849.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	24,405.96	23,546.67	kWH	
Yearly Average Usage:	292,871.55	282,560.00	kWH	
Propane Gas				
Monthly Average Usage:	1,554.59	1,423.93	Gals	
Yearly Average Usage:	18,655.10	17,087.20	Gals	
SAVINGS:				
Electricity				
Yearly Average Saved:		10,311.55	kWH	4%
Calculated Savings	\$	855.47	\$	
Propane Gas				
Yearly Average Saved:		1,567.90	Gals	8%
Calculated Savings	\$	2,248.64	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	285,103.10		\$ 21,240.36	0.075
2008-2009	300,640.00		\$ 22,955.02	0.076
2009-2010	282,560.00		\$ 23,441.83	0.083
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	17205.4		\$ 23,726.10	1.379
2008-2009	20104.8		\$ 41,860.78	2.082
2009-2010	17087.2		\$ 24,505.97	1.434
COMMENTS:				
Year is calculated October to September.				
Propane year is analyzed to follow the school calendar year (July to June).				

Appendix B.
School Project Data Sheets

School District:	Independent			
Project Name:	Independent Elementary			
Project Description:	Boiler and lighting upgrades at Independent Elementary.			
Project Grant Amount:	\$ 67,135.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	14,150.00	18,123.33	kWH	
Yearly Average Usage:	169,800.00	217,480.00	kWH	
Natural Gas				
Monthly Average Usage:	92.82	115.66	Dkt	
Yearly Average Usage:	1,113.85	1,387.90	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		(47,680.00)	kWH	-28%
Calculated Savings	\$	(3,833.09)	\$	
Natural Gas				
Yearly Average Saved:		(274.05)	Dkt	-25%
Calculated Savings	\$	(1,886.78)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	175,920.00		\$ 11,348.08	0.065
2008-2009	163,680.00		\$ 11,353.22	0.069
2009-2010	217,480.00		\$ 17,483.64	0.080
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	1108.8		\$ 9,766.10	8.808
2008-2009	1118.9		\$ 9,119.60	8.151
2009-2010	1387.9		\$ 9,555.40	6.885
COMMENTS:				
Year is calculated October to September.				
New Energy Efficient Boiler was installed in September of 2009				
Addition of six classrooms, restrooms, and two storages areas in September 2009. This addition explains why no savings were realized at this school				

School District:	Jefferson			
Project Name:	Jefferson High School			
Project Description:	Jefferson High School – Upgrade lighting, install motion sensors, install thermostat covers, install energy saving devices on vending machines, replace doors and weather strip and switch electric water heaters to natural gas.			
Project Grant Amount:	\$ 47,901.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	36,128.13	29,950.75	kWH	
Yearly Average Usage:	433,537.50	359,409.00	kWH	
Natural Gas				
Monthly Average Usage:	348.22	352.03	DKt	
Yearly Average Usage:	4,178.60	4,224.30	DKt	
SAVINGS:				
Electricity				
Yearly Average Saved:		74,128.50	kWH	17%
Calculated Savings	\$	7,589.61	\$	
Natural Gas				
Yearly Average Saved:		(45.70)	DKt	-1%
Calculated Savings	\$	(403.72)	\$	
Total Savings		\$	7,185.89	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	448,617.00		\$ 46,333.08	0.103
2008-2009	418,458.00		\$ 42,167.78	0.101
2009-2010	359,409.00		\$ 36,797.93	0.102
Natural Gas				
Year	Yearly Total (DKt)		Yearly Charges	\$/DKt
2007-2008	4,244.10		\$ 48,834.55	11.506
2008-2009	4,113.10		\$ 44,947.68	10.928
2009-2010	4,224.30		\$ 37,318.23	8.834
COMMENTS:				
Year was calculated from September to August. The small increase in natural gas usage could be related to two explanation. One, of course would be the weather. The second cause for an increase would be switching the water heaters from electric to natural gas.				

Appendix B.
School Project Data Sheets

School District:		Joliet		
Project Name:		Joliet High School		
Project Description:		Replace 26 windows at Joliet High School.		
Project Grant Amount:		\$ 40,627.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	41,823.33	40,846.67	kWH	
Yearly Average Usage:	501,880.00	490,160.00	kWH	
Natural Gas				
Monthly Average Usage:	292.77	280.13	DKt	
Yearly Average Usage:	3,513.20	3,361.50	DKt	
SAVINGS:				
Electricity				
Yearly Average Saved:		11,720.00	kWH	2%
Natural Gas				
Yearly Average Saved:		151.70	DKt	4%
Calculated Savings	\$	1,024.24	\$	
Electricity				
Year	Yearly Total (kWH)			
2007-2008	524,080.00			
2008-2009	479,680.00			
2009-2010	490,160.00			
Natural Gas				
Year	Yearly Total (DKt)	Yearly Charges	\$/DKt	
2007-2008	4083.7	\$ 32,860.67	8.047	
2008-2009	2,943	\$ 28,225.43	9.592	
2009-2010	3,362	\$ 22,695.94	6.752	
COMMENTS:				
Year is calculated October to September. The school also had some HVAC Control work done to help improve the efficiency of the facility. Electrical cost data was not provided, but the amount of electrical energy saved was calculated and shown above.				

Appendix B.
 School Project Data Sheets

School District:	Jordan			
Project Name:	Jordan High School and Gym			
Project Description:	Upgrade lighting at Garfield County District High School and Gym			
Project Grant Amount:	\$ 13,588.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	13,282.92	11,636.67	kWH	
Yearly Average Usage:	159,395.00	139,640.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		19,755.00	kWH	12%
Calculated Savings	\$	1,642.08	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	159,410.00		\$ 10,994.90	0.069
2008-2009	159,380.00		\$ 12,240.52	0.077
2009-2010	139,640.00		\$ 11,607.18	0.083
COMMENTS:				
Year calculated August to July				

Appendix B.
School Project Data Sheets

School District:	Judith Gap			
Project Name:	Judith Gap School			
Project Description:	Upgrade windows at Judith Gap School.			
Project Grant Amount:	\$ 63,425.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	10,140.00	9,973.33	kWH	
Yearly Average Usage:	121,680.00	119,680.00	kWH	
Natural Gas				
Monthly Average Usage:	87.72	81.84	Dkt	
Yearly Average Usage:	1,052.65	982.10	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		2,000.00	kWH	2%
Calculated Savings	\$	191.13	\$	
Natural Gas				
Yearly Average Saved:		70.55	Dkt	7%
Calculated Savings	\$	644.29	\$	
Total Savings	\$	835.42	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2007-2008	128,100.00	47.00	\$ 12,477.79	0.097
2008-2009	115,260.00	49.00	\$ 11,443.51	0.099
2009-2010	119,680.00	50.00	\$ 11,437.31	0.096
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	1079.7		\$ 12,423.39	11.506
2008-2009	1,026		\$ 11,083.76	10.807
2009-2010	982		\$ 8,968.96	9.132
COMMENTS:				
Year is calculated September to August				

Appendix B.
School Project Data Sheets

School District:	Kalispell			
Project Name:	Elrod Elementary			
Project Description:	Window replacement and vestibule doors at Russell Elementary and boiler replacement at			
Project Grant Amount:	\$ 285,878.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	10,674.17	11,600.00	kWH	
Yearly Average Usage:	128,090.00	139,200.00	kWH	
Natural Gas				
Monthly Average Usage:	225.40	152.46	Dkt	
Yearly Average Usage:	2,704.80	1,829.50	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		(11,110.00)	kWH	-9%
Calculated Savings	\$	(642.63)	\$	
Natural Gas				
Yearly Average Saved:		875.30	Dkt	32%
Calculated Savings	\$	7,986.97	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	129,120.00		\$ 7,587.30	0.059
2008-2009	127,060.00		\$ 8,061.42	0.063
2009-2010	139,200.00		\$ 8,051.62	0.058
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	2774.1		\$ 31,115.13	11.216
2008-2009	2,636		\$ 28,656.38	10.873
2009-2010	1,830		\$ 16,693.90	9.125
COMMENTS:				
Year is calculated September to August School Provided Spreadsheet. Actual Utility Bills not used. Natural Gas boilers.				

Appendix B.
School Project Data Sheets

School District:	Kalispell			
Project Name:	Russell Elementary			
Project Description:	Window replacement and vestibule doors at Russell Elementary and boiler replacement at			
Project Grant Amount:	\$ 285,878.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	10,705.00	11,236.67	kWH	
Yearly Average Usage:	128,460.00	134,840.00	kWH	
Natural Gas				
Monthly Average Usage:	203.02	185.11	Dkt	
Yearly Average Usage:	2,436.25	2,221.30	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		(6,380.00)	kWH	-5%
Calculated Savings	\$	(370.04)	\$	
Natural Gas				
Yearly Average Saved:		214.95	Dkt	9%
Calculated Savings	\$	1,946.98	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	125,240.00		\$ 7,367.56	0.059
2008-2009	131,680.00		\$ 7,697.76	0.058
2009-2010	134,840.00		\$ 7,820.63	0.058
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	2543.2		\$ 28,335.14	11.142
2008-2009	2,329		\$ 25,472.41	10.936
2009-2010	2,221		\$ 20,120.14	9.058
COMMENTS:				
Year is calculated September to August School Provided Spreadsheet. Actual Utility Bills not used. Natural Gas boilers.				

Appendix B.
 School Project Data Sheets

School District:		Lavina			
Project Name:		Lavina k-12 Schools			
Project Description:		Replace T-12 Lighting at Lavina Schools.			
Project Grant Amount:		\$ 49,905.00			
	PRE PROJECT:	POST PROJECT:			
Electricity					
Monthly Average Usage:	12,593.33	13,406.67	kWH		
Yearly Average Usage:	151,120.00	160,880.00	kWH		
SAVINGS:					
Electricity					
Yearly Average Saved:		(9,760.00)	kWH		-6%
Calculated Savings	\$	(927.32)	\$		
Electricity					
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH	
2007-2008	151,120.00	64.00	\$ 15,061.22	0.100	
2008-2009	151,120.00	68.00	\$ 15,067.10	0.100	
2009-2010	160,880.00	74.00	\$ 15,285.54	0.095	
COMMENTS:					
Year is calculated September to August					

Appendix B.
 School Project Data Sheets

School District: Libby				
Project Name: Libby High School				
Project Description: Window replacement at Libby High School.				
Project Grant Amount: \$ 161,500.00				
	PRE PROJECT:	POST PROJECT:		
Diesel				
Monthly Average Usage:	2,888.89	2,502.47	Gals	
Yearly Average Usage:	34,666.70	30,029.60	Gals	
SAVINGS:				
Diesel				
Yearly Average Saved:		4,637.10	Gals	13%
Calculated Savings	\$	11,148.54	\$	
Diesel				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	32,673.00		\$ 102,329.20	3.132
2008-2009	36,660.40		\$ 65,195.80	1.778
2009-2010	30,029.60		\$ 72,197.30	2.404
COMMENTS:				
Year is calculated base on delivery schedule of diesel fuel, which starts in November and end in May. Electrical Data was not provided post project. The electrical usage and savings was therefore not analyzed.				

Appendix B.
School Project Data Sheets

School District:	Lincoln			
Project Name:	Lincoln School			
Project Description:	Replace gym heaters at Lincoln School.			
Project Grant Amount:	\$ 15,274.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	19,180.00	20,306.67	kWH	
Yearly Average Usage:	230,160.00	243,680.00	kWH	
Propane				
Monthly Average Usage:	701.68	514.75	Gals	
Yearly Average Usage:	8,420.10	6,177.00	Gals	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		(13,520.00)	kWH	-6%
Calculated Savings	\$	(1,470.93)	\$	
Propane				
Yearly Average Saved:		2,243.10	Gals	27%
Calculated Savings	\$	4,171.11	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008				
2008-2009	230,160.00		\$ 25,181.95	0.109
2009-2010	243,680.00		\$ 26,511.56	0.109
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/DKt
2007-2008				
2008-2009	8,420		\$ 15,755.20	1.871
2009-2010	6,177		\$ 11,486.30	1.860
<u>COMMENTS:</u>				
Year is calculated October to September.				
June 2009 added electric heaters in the hallways.				
June 2010 installed energy efficient light fixtures in gym and locker rooms.				

Appendix B.
School Project Data Sheets

School District:	Livingston			
Project Name:	Washington School			
Project Description:	Lighting upgrades at the Washington School, Winans Elementary, East Side Elementary, Sleeping Giant Middle School, Special Services Building, Administration Building and the Maintenance/Bus Barn.			
Project Grant Amount:	\$ 45,303.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	2,790.00	2,383.33	kWH	
Yearly Average Usage:	33,480.00	28,600.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		4,880.00	kWH	15%
Calculated Savings	\$	622.27	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	36,680.00		\$ 4,402.45	0.120
2008-2009	30,280.00		\$ 3,768.71	0.124
2009-2010	28,600.00		\$ 3,646.90	0.128
<u>COMMENTS:</u>				
Year is calculated October to September. School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Livingston			
Project Name:	Winans Elementary School			
Project Description:	Lighting upgrades at the Washington School, Winans Elementary, East Side Elementary, Sleeping Giant Middle School, Special Services Building, Administration Building and the Maintenance/Bus Barn.			
Project Grant Amount:	\$ 45,303.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	8,476.67	6,120.00	kWH	
Yearly Average Usage:	101,720.00	73,440.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		28,280.00	kWH	28%
Calculated Savings	\$	3,162.23	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	103840		\$11,368.00	0.109
2008-2009	99600		\$10,733.29	0.108
2009-2010	73440		\$8,211.96	0.112
<u>COMMENTS:</u>				
Year is calculated October to September. School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Livingston			
Project Name:	Sleeping Giant Elementary School and East Side Elementary			
Project Description:	Lighting upgrades at the Washington School, Winans Elementary, East Side Elementary, Sleeping Giant Middle School, Special Services Building, Administration Building and the Maintenance/Bus Barn.			
Project Grant Amount:	\$ 45,303.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	50,651.67	42,193.33	kWH	
Yearly Average Usage:	607,820.00	506,320.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		101,500.00	kWH	17%
Calculated Savings	\$	9,048.62	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	610280		\$59,573.62	0.098
2008-2009	605360		\$55,235.80	0.091
2009-2010	506320		\$45,137.90	0.089
<u>COMMENTS:</u>				
Year is calculated October to September. School Provided Spreadsheet. Actual Utility Bills not used. Sleeping Giant and East Side Elementary are combined on a single electrical meter.				

Appendix B.
 School Project Data Sheets

School District:	Livingston			
Project Name:	Special Services Building			
Project Description:	Lighting upgrades at the Washington School, Winans Elementary, East Side Elementary, Sleeping Giant Middle School, Special Services Building, Administration Building and the Maintenance/Bus Barn.			
Project Grant Amount:	\$ 45,303.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	3,662.58	4,319.50	kWH	
Yearly Average Usage:	43,951.00	51,834.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		(7,883.00)	kWH	-18%
Calculated Savings	\$	(781.20)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	37006		\$3,823.45	0.103
2008-2009	50896		\$5,012.69	0.098
2009-2010	51834		\$5,136.69	0.099
<u>COMMENTS:</u>				
Year is calculated October to September. School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Livingston			
Project Name:	Administration Building Lighting upgrades at the Washington School, Winans Elementary, East Side Elementary, Sleeping Giant Middle School, Special Services Building, Administration Building and the Maintenance/Bus Barn.			
Project Description:	Maintenance/Bus Barn.			
Project Grant Amount:	\$ 45,303.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	1,505.38	1,543.58	kWH	
Yearly Average Usage:	18,064.50	18,523.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(458.50)	kWH	-3%
Calculated Savings	\$	(49.99)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	18224		\$2,057.94	0.113
2008-2009	17905		\$1,944.39	0.109
2009-2010	18523		\$2,019.64	0.109
COMMENTS:				
Year is calculated October to September. School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
School Project Data Sheets

School District:	Livingston			
Project Name:	Maintenance/Bus Barn. Lighting upgrades at the Washington School, Winans Elementary, East Side Elementary, Sleeping Giant Middle School, Special Services Building, Administration Building and the			
Project Description:	Maintenance/Bus Barn.			
Project Grant Amount:	\$ 45,303.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	1,986.17	2,054.92	kWH	
Yearly Average Usage:	23,834.00	24,659.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(825.00)	kWH	-3%
Calculated Savings	\$	(87.06)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	25531		\$2,776.94	0.109
2008-2009	22137		\$2,464.03	0.111
2009-2010	24659		\$2,602.19	0.106
COMMENTS:				
Year is calculated October to September. School Provided Spreadsheet. Actual Utility Bills not used.				

Appendix B.
 School Project Data Sheets

School District:		Lockwood		
Project Name:		Lockwood Elementary		
Project Description:		Upgrade lighting at the Lockwood Primary Elementary School.		
Project Grant Amount:		\$ 379,782.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	122,433.33	140,386.67	kWH	
Yearly Average Usage:	1,469,200.00	1,684,640.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(215,440.00)	kWH	-15%
Calculated Savings	\$	(14,270.48)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	1,469,200.00		\$ 103,514.95	0.070
2009-2010	1,684,640.00		\$ 111,588.47	0.066
COMMENTS:				
Year is calculated October to September. Primary building added (2) - 160 ton chillers, (2) - Boilers and numerous air handlers, fan coils, and cabinet heaters. Intermediate building added a 110 ton chillers, (3) - Boilers and numerous air handlers, fan coils, and cabinet heaters.				

Appendix B.
 School Project Data Sheets

School District:	Malta			
Project Name:	Malta Junior High Gym			
Project Description:	Upgrade lighting at Malta Junior High Gym.			
Project Grant Amount:	\$ 2,000.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	3,120.00	3,563.33	kWH	
Yearly Average Usage:	37,440.00	42,760.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		(5,320.00)	kWH	-14%
Calculated Savings	\$	(515.79)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	35,560.00		\$ 3,927.93	0.110
2008-2009	39,320.00		\$ 4,043.84	0.103
2009-2010	42,760.00		\$ 4,145.73	0.097
<u>COMMENTS:</u>				
Year is calculated October to September. School Provided Spreadsheet. Actual Utility Bills not used. The electrical meter supplies the gym and wrestling building. It appears the building usage increased over 2009-2010.				

Appendix B.
School Project Data Sheets

School District:	Manhattan			
Project Name:	Manhattan Elementary			
Project Description:	Replacement of boiler and associated removal of asbestos at Manhattan Elementary.			
Project Grant Amount:	\$ 274,049.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	11,106.67	11,866.67	kWH	
Yearly Average Usage:	133,280.00	142,400.00	kWH	
Natural Gas				
Monthly Average Usage:	278.23	207.54	Dkt	
Yearly Average Usage:	3,338.70	2,490.50	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		(9,120.00)	kWH	-7%
Calculated Savings	\$	(1,003.67)	\$	
Natural Gas				
Yearly Average Saved:		848.20	Dkt	25%
Calculated Savings	\$	9,456.82	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2007-2008	137,200.00	71.00	\$ 15,197.71	0.111
2008-2009	129,360.00	79.00	\$ 14,685.94	0.114
2009-2010	142,400.00	80.00	\$ 15,671.40	0.110
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	3,624.50		\$ 43,164.00	11.909
2008-2009	3,052.90		\$ 37,974.89	12.439
2009-2010	2,490.50		\$ 27,767.29	11.149
COMMENTS:				
Year is calculated October to September.				

Appendix B.
 School Project Data Sheets

School District:	Marion			
Project Name:	Front School			
Project Description:	Window replacement for Front Building, Window Replacement for Main Building, Re-			
Project Grant Amount:	\$ 59,781.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	5,723.33	5,254.17	kWH	
Yearly Average Usage:	68,680.00	63,050.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		5,630.00	kWH	8%
Calculated Savings	\$	426.76	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	68,680.00	52.00	\$ 5,441.45	0.079
2009-2010	63,050.00	49.00	\$ 4,779.24	0.076
COMMENTS:				
Year is calculated October to September.				

Appendix B.
 School Project Data Sheets

School District:	Marion			
Project Name:	Main School			
Project Description:	Window replacement for Front Building, Window Replacement for Main Building, Re-			
Project Grant Amount:	\$ 59,781.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	11,986.67	12,346.67	kWH	
Yearly Average Usage:	143,840.00	148,160.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(4,320.00)	kWH	-3%
Calculated Savings	\$	(278.25)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	143,840.00	88.00	\$ 9,240.20	0.064
2009-2010	148,160.00	75.00	\$ 9,543.00	0.064
COMMENTS:	Year is calculated October to September.			

Appendix B.
 School Project Data Sheets

School District:	Marion			
Project Name:	Modular School			
Project Description:	Window replacement for Front Building, Window Replacement for Main Building, Re-			
Project Grant Amount:	\$ 59,781.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	1,510.33	1,426.83	kWH	
Yearly Average Usage:	18,124.00	17,122.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		1,002.00	kWH	6%
Calculated Savings	\$	71.69	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2008-2009	18,124.00	24.00	\$ 1,209.52	0.067
2009-2010	17,122.00	24.75	\$ 1,225.08	0.072
COMMENTS:				
Year is calculated October to September.				

Appendix B.
School Project Data Sheets

School District:	Medicine Lake			
Project Name:	Medicine Lake School			
Project Description:	Energy efficient exterior doors at the Medicine Lake School.			
Project Grant Amount:	\$ 10,000.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	28,638.33	29,496.67	kWH	
Yearly Average Usage:	343,660.00	353,960.00	kWH	
Diesel				
Monthly Average Usage:	1,465.67	1,560.17	Gals	
Yearly Average Usage:	17,588.00	18,722.00	Gals	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		(10,300.00)	kWH	-3%
Calculated Savings	\$	(1,114.53)	\$	
Diesel				
Yearly Average Saved:		(1,134.00)	Gals	-6%
Calculated Savings	\$	(2,505.95)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	331,480.00		\$ 22,362.56	0.067
2008-2009	355,840.00		\$ 24,636.58	0.069
2009-2010	353,960.00		\$ 38,301.04	0.108
Diesel				
Year	Yearly Total (Gals)		Yearly Charges	\$/DKt
2007-2008	21402		\$ 65,117.80	3.043
2008-2009	13,774		\$ 24,739.30	1.796
2009-2010	18,722		\$ 41,372.50	2.210
<u>COMMENTS:</u>				
Year is calculated August to July.				

Appendix B.
 School Project Data Sheets

School District:	Melstone			
Project Name:	Melstone School			
Project Description:	Upgrade lighting at the Melstone School gym and shop, retrofit lighting and install motion sensors for entire school			
Project Grant Amount:	\$ 21,456.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	16,171.67	14,756.67	kWH	
Yearly Average Usage:	194,060.00	177,080.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		16,980.00	kWH	9%
Calculated Savings	\$	1,843.95	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	204,320.00	92.00	\$ 23,190.81	0.114
2008-2009	183,800.00	87.00	\$ 20,399.71	0.111
2009-2010	177,080.00	70.00	\$ 19,230.08	0.109
<u>COMMENTS:</u>				
Year is calculated October to September. 2009-2010 Changed to a 4 day school week.				

Appendix B.
 School Project Data Sheets

School District:	Miles City			
Project Name:	Highland			
Project Description:	Highland Park Elementary Boiler and lighting upgrades at Garfield Elementary.			
Project Grant Amount:	\$ 492,051.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	12,225.00	10,910.00	kWH	
Yearly Average Usage:	146,700.00	130,920.00	kWH	
Natural Gas				
Monthly Average Usage:	108.57	92.62	Dkt	
Yearly Average Usage:	1,302.85	1,111.40	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		15,780.00	kWH	11%
Calculated Savings	\$	1,052.33	\$	
Natural Gas				
Yearly Average Saved:		191.45	Dkt	15%
Calculated Savings	\$	1,332.80	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2007-2008	155,440.00	63.20	\$ 10,369.14	0.067
2008-2009	137,960.00	63.50	\$ 9,729.19	0.071
2009-2010	130,920.00	52.40	\$ 8,730.76	0.067
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	1388.9		\$ 11,968.96	8.618
2008-2009	1,217		\$ 10,112.19	8.310
2009-2010	1,111		\$ 7,737.13	6.962
COMMENTS:				
Year is calculated October to September.				

Appendix B.
 School Project Data Sheets

School District:		Miles City			
Project Name:		Garfield			
Project Description:		Highland Park Elementary Boiler and lighting upgrades at Garfield Elementary.			
Project Grant Amount:		\$ 492,051.00			
	PRE PROJECT:	POST PROJECT:			
Electricity					
Monthly Average Usage:	16,518.75	12,575.00	kWH		
Yearly Average Usage:	198,225.00	150,900.00	kWH		
SAVINGS:					
Electricity					
Yearly Average Saved:		47,325.00	kWH		24%
Calculated Savings	\$	3,059.89	\$		
Electricity					
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH	
2007-2008	197,480.00	68.90	\$ 12,644.09	0.064	
2008-2009	198,970.00	69.20	\$ 12,948.34	0.065	
2009-2010	150,900.00	57.00	\$ 9,756.74	0.065	
COMMENTS:					
Year is calculated October to September.					

Appendix B.
School Project Data Sheets

School District:	Missoula			
Project Name:	Cold Springs Elementary			
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.			
Project Grant Amount:	\$ 149,195.00			
	PRE PROJECT:	POST PROJECT:		
Electricity	2005-2008	2009-20010		
Cold Springs				
Annual Average	126,636.00	125,664.00	kWH	
Cold Springs Modular				
Annual Average	314,424.00	290,112.00	kWH	
SAVINGS:				
Electricity				
Cold Springs				
Yearly Average Saved:		972.00	kWH	1%
Calculated Savings	\$	59.92	\$	
Cold Springs Modular				
Yearly Average Saved:		24,312.00	kWH	8%
Calculated Savings	\$	1,498.66	\$	
Total Savings	\$	1,558.58	\$	
Electricity				
Year	Yearly Total (kWH)	\$/KWH		
Cold Springs				
2005-2008 Annual Average	126,636.00			
2009-2010 Calculated	125,664.00	0.062		
Cold Springs Modular				
2005-2008 Annual Average	314,424.00			
2009-2010 Calculated	290,112.00	0.062		
COMMENTS:				
Energy use data was provided for Missoula County Public Schools through February of 2010. Since a full year of post project data was not available the average monthly savings from October through February was calculated. An annual monthly average was calculated for the years of 2005 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through February 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. Energy cost data was not provided, so the kilowatt energy charge for February 2009 was used to calculate the energy savings in dollars. Demand charges were not considered in this evaluation.				

Appendix B.
School Project Data Sheets

School District:	Missoula		
Project Name:	Russell Elementary		
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.		
Project Grant Amount:	\$ 149,195.00		
	PRE PROJECT:	POST PROJECT:	
Electricity	2005-2008	2009-20010	
Russell			
Annual Average	230,904.00	214,080.00	kWH
Russell Annex			
Annual Average	13,464.00	13,920.00	kWH
Russell Annex			
Annual Average	11,715.60	9,360.00	kWH
SAVINGS:			
Electricity			
Russell Annex			
Yearly Average Saved:		16,824.00	kWH 7%
Calculated Savings	\$	1,037.08	\$
Russell Annex			
Yearly Average Saved:		(456.00)	kWH -3%
Calculated Savings	\$	(28.11)	\$
Russell Annex			
Yearly Average Saved:		2,355.60	kWH 20%
Calculated Savings	\$	145.21	\$
Total Savings			
	\$	1,154.18	\$
Electricity			
Year	Yearly Total (kWH)	\$/KWH	
Russell			
2005-2008 Annual Average	230,904.00		
2009-2010 Calculated	214,080.00	0.062	
Russell Annex			
2005-2008 Annual Average	13,464.00		
2009-2010 Calculated	13,920.00	0.062	
Russell Annex (2)			
2005-2008 Annual Average	11,715.60		
2009-2010 Calculated	9,360.00	0.062	
COMMENTS:			
Energy use data was provided for Missoula County Public Schools through February of 2010. Since a full year of post project data was not available the average monthly savings from October through February was calculated. An annual monthly average was calculated for the years of 2005 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through February 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. Energy cost data was not provided, so the kilowatt energy charge for February 2009 was used to calculate the energy savings in dollars. Demand charges were not considered in this evaluation.			

Appendix B.
School Project Data Sheets

School District:	Missoula			
Project Name:	Lowell Elementary			
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.			
Project Grant Amount:	\$ 149,195.00			
	PRE PROJECT:	POST PROJECT:		
Electricity	2005-2008	2009-20010		
Annual Average	186,312.00	180,096.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		6,216.00	kWH	3%
Calculated Savings	\$	383.17	\$	
Electricity				
Year	Yearly Total (kWH)	\$/KWH		
2005-2008 Annual Average	186,312.00			
2009-2010 Calculated	180,096.00	0.062		
COMMENTS:	Energy use data was provided for Missoula County Public Schools through February of 2010. Since a full year of post project data was not available the average monthly savings from October through February was calculated. An annual monthly average was calculated for the years of 2005 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through February 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. Energy cost data was not provided, so the kilowatt energy charge for February 2009 was used to calculate the energy savings in dollars. Demand charges were not considered in this evaluation.			

Appendix B.
School Project Data Sheets

School District:	Missoula			
Project Name:	Meadow Hill Middle School			
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.			
Project Grant Amount:	\$ 149,195.00			
	PRE PROJECT:	POST PROJECT:		
Electricity	2005-2008	2009-2010		
Annual Average	669,024.00	623,712.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		45,312.00	kWH	7%
Calculated Savings	\$	2,793.17	\$	
Electricity				
Year	Yearly Total (kWH)	\$/KWH		
2005-2008 Annual Average	669,024.00			
2009-2010 Calculated	623,712.00	0.062		
COMMENTS:				
Energy use data was provided for Missoula County Public Schools through February of 2010. Since a full year of post project data was not available the average monthly savings from October through February was calculated. An annual monthly average was calculated for the years of 2005 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through February 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. Energy cost data was not provided, so the kilowatt energy charge for February 2009 was used to calculate the energy savings in dollars. Demand charges were not considered in this evaluation.				

Appendix B.
 School Project Data Sheets

School District:	Missoula			
Project Name:	Washington Middle School			
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.			
Project Grant Amount:	\$ 149,195.00			
	PRE PROJECT:	POST PROJECT:		
Electricity	2005-2008	2009-2010		
Annual Average	405,552.00	354,240.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		51,312.00	kWH	13%
Calculated Savings	\$	3,163.03	\$	
Electricity				
Year	Yearly Total (kWH)	\$/KWH		
2005-2008 Annual Average	405,552.00			
2009-2010 Calculated	354,240.00	0.062		
COMMENTS:				
Energy use data was provided for Missoula County Public Schools through February of 2010. Since a full year of post project data was not available the average monthly savings from October through February was calculated. An annual monthly average was calculated for the years of 2005 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through February 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. Energy cost data was not provided, so the kilowatt energy charge for February 2009 was used to calculate the energy savings in dollars. Demand charges were not considered in this evaluation.				

Appendix B.
School Project Data Sheets

School District:	Missoula			
Project Name:	Franklin Elementary			
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.			
Project Grant Amount:	\$ 149,195.00			
	PRE PROJECT:	POST PROJECT:		
Electricity	2005-2008	2009-2010		
Annual Average	199,092.00	191,328.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		7,764.00	kWH	4%
Calculated Savings	\$	478.60	\$	
Electricity				
Year	Yearly Total (kWH)	\$/KWH		
2005-2008 Annual Average	199,092.00			
2009-2010 Calculated	191,328.00	0.062		
COMMENTS:				
Energy use data was provided for Missoula County Public Schools through February of 2010. Since a full year of post project data was not available the average monthly savings from October through February was calculated. An annual monthly average was calculated for the years of 2005 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through February 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. Energy cost data was not provided, so the kilowatt energy charge for February 2009 was used to calculate the energy savings in dollars. Demand charges were not considered in this evaluation.				

Appendix B.
School Project Data Sheets

School District:	Missoula			
Project Name:	Hawthorne Elementary			
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.			
Project Grant Amount:	\$ 149,195.00			
	PRE PROJECT:	POST PROJECT:		
Electricity	2005-2008	2009-2010		
Annual Average	351,432.00	328,896.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		22,536.00	kWH	6%
Calculated Savings	\$	1,389.19	\$	
Electricity				
Year	Yearly Total (kWH)	\$/KWH		
2005-2008 Annual Average	351,432.00			
2009-2010 Calculated	328,896.00	0.062		
COMMENTS:	Energy use data was provided for Missoula County Public Schools through February of 2010. Since a full year of post project data was not available the average monthly savings from October through February was calculated. An annual monthly average was calculated for the years of 2005 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through February 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. Energy cost data was not provided, so the kilowatt energy charge for February 2009 was used to calculate the energy savings in dollars. Demand charges were not considered in this evaluation.			

School District:	Missoula			
Project Name:	CS Porter Middle School			
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.			
Project Grant Amount:	\$ 149,195.00			
	PRE PROJECT:	POST PROJECT:		
Electricity	2005-2008	2009-20010		
Annual Average	601,248.00	523,584.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		77,664.00	kWH	13%
Calculated Savings	\$	4,787.44	\$	
Electricity				
Year	Yearly Total (kWH)	\$/KWH		
2005-2008 Annual Average	601,248.00			
2009-2010 Calculated	523,584.00	0.062		
<u>COMMENTS:</u>				
Energy use data was provided for Missoula County Public Schools through February of 2010. Since a full year of post project data was not available the average monthly savings from October through February was calculated. An annual monthly average was calculated for the years of 2005 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through February 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. Energy cost data was not provided, so the kilowatt energy charge for February 2009 was used to calculate the energy savings in dollars. Demand charges were not considered in this evaluation.				

School District:	Missoula			
Project Name:	Business Building			
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.			
Project Grant Amount:	\$ 149,195.00			
	PRE PROJECT:	POST PROJECT:		
Electricity	2005-2008	2009-20010		
Annual Average	147,024.00	178,080.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(31,056.00)	kWH	-21%
Calculated Savings	\$	(1,914.39)	\$	
Electricity				
Year	Yearly Total (kWH)	\$/KWH		
2005-2008 Annual Average	147,024.00			
2009-2010 Calculated	178,080.00	0.062		
COMMENTS:				
Energy use data was provided for Missoula County Public Schools through February of 2010. Since a full year of post project data was not available the average monthly savings from October through February was calculated. An annual monthly average was calculated for the years of 2005 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through February 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. Energy cost data was not provided, so the kilowatt energy charge for February 2009 was used to calculate the energy savings in dollars. Demand charges were not considered in this evaluation.				

Appendix B.
School Project Data Sheets

School District:	Missoula		
Project Name:	Administration Building		
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.		
Project Grant Amount:	\$ 149,195.00		
	PRE PROJECT:	POST PROJECT:	
Electricity	2005-2008	2009-20010	
Annual Average	231,000.00	214,272.00	kWH
SAVINGS:			
Electricity			
Yearly Average Saved:		16,728.00	kWH 7%
Calculated Savings	\$	1,031.16	\$
Electricity			
Year	Yearly Total (kWH)	\$/KWH	
2005-2008 Annual Average	231,000.00		
2009-2010 Calculated	214,272.00	0.062	
COMMENTS:			
Energy use data was provided for Missoula County Public Schools through February of 2010. Since a full year of post project data was not available the average monthly savings from October through February was calculated. An annual monthly average was calculated for the years of 2005 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through February 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. Energy cost data was not provided, so the kilowatt energy charge for February 2009 was used to calculate the energy savings in dollars. Demand charges were not considered in this evaluation.			

Appendix B.
School Project Data Sheets

School District:	Missoula			
Project Name:	Rattlesnake			
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.			
Project Grant Amount:	\$ 149,195.00			
	PRE PROJECT:	POST PROJECT:		
Electricity	2005-2008	2009-20010		
Annual Average	408,144.00	360,000.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		48,144.00	kWH	12%
Calculated Savings	\$	2,967.74	\$	
Electricity				
Year	Yearly Total (kWH)	\$/KWH		
2005-2008 Annual Average	408,144.00			
2009-2010 Calculated	360,000.00	0.062		
<u>COMMENTS:</u>				
Energy use data was provided for Missoula County Public Schools through February of 2010. Since a full year of post project data was not available the average monthly savings from October through February was calculated. An annual monthly average was calculated for the years of 2005 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through February 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. Energy cost data was not provided, so the kilowatt energy charge for February 2009 was used to calculate the energy savings in dollars. Demand charges were not considered in this evaluation.				

Appendix B.
School Project Data Sheets

School District:	Missoula
Project Name:	Prescott
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.
Project Grant Amount:	\$ 149,195.00
No Data was provided for Prescott	

School District:	Missoula
Project Name:	Mt. Jumbo
Project Description:	Lighting upgrades at Cold Springs Elementary, Russell Elementary, Lowell Elementary, Meadow Hill Middle School, Washington Middle School, Franklin Elementary, Hawthorne Elementary, CS Porter Middle School, Business building, Administration building, Rattlesnake Elementary, Prescott and Mt. Jumbo.
Project Grant Amount:	\$ 149,195.00
No Data was provided for Mt. Jumbo	

Appendix B.
School Project Data Sheets

School District:	Monforton			
Project Name:	Monforton School			
Project Description:	Lighting Upgrade at Monorton School			
Project Grant Amount:	\$ 132,472.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	16,353.33	14,056.67	kWH	
Yearly Average Usage:	196,240.00	168,680.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		27,560.00	kWH	14%
Calculated Savings	\$	3,162.45	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008				
2008-2009	196,240.00			
2009-2010	168,680.00		\$ 19,355.68	0.115
<u>COMMENTS:</u>				
Year is calculated October to September. Received partial data for 2008 and 2009. No data received for 2007.				

Appendix B.
 School Project Data Sheets

School District:		Montana City			
Project Name:		Montana City School			
Project Description:		Lighting upgrades at Montana City School			
Project Grant Amount:		\$ 24,222.00			
	PRE PROJECT:	POST PROJECT:			
Electricity					
Monthly Average Usage:	37,620.00	34,150.58	kWH		
Yearly Average Usage:	451,440.00	409,807.00	kWH		
SAVINGS:					
Electricity					
Yearly Average Saved:		41,633.00	kWH		9%
Calculated Savings	\$	3,540.79	\$		
Electricity					
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH	
2007-2008	458,040.00	86.00	\$ 27,101.74	0.059	
2008-2009	444,840.00	91.00	\$ 25,640.72	0.058	
2009-2010	409,807.00	82.00	\$ 34,853.15	0.085	
COMMENTS:					
Year is calculated October to September.					

Appendix B.
School Project Data Sheets

School District:		Moore			
Project Name:		Moore Public Schools			
Project Description:		Upgrade classroom and hallway lighting at Moore Public School.			
Project Grant Amount:		\$ 20,000.00			
	PRE PROJECT:	POST PROJECT:			
Electricity					
Monthly Average Usage:	17,220.00	15,170.00	kWH		
Yearly Average Usage:	206,640.00	182,040.00	kWH		
SAVINGS:					
Electricity					
Yearly Average Saved:		24,600.00	kWH		12%
Calculated Savings	\$	3,409.69	\$		
Electricity					
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH	
2007-2008	215,640.00	78.00	\$ 22,199.64	0.103	
2008-2009	197,640.00	67.00	\$ 20,618.08	0.104	
2009-2010	182,040.00	70.00	\$ 25,231.69	0.139	
COMMENTS:					
Year is calculated September to August.					

Appendix B.
 School Project Data Sheets

School District:	North Star			
Project Name:	North Star Elementary			
Project Description:	Upgrade lighting and add motion sensors throughout North Star Elementary.			
Project Grant Amount:	\$ 43,920.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	12,861.67	8,883.33	kWH	
Yearly Average Usage:	154,340.00	106,600.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		47,740.00	kWH	31%
Calculated Savings	\$	15,221.95	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2007-2008	161,400.00	60.00	\$ 39,197.71	0.243
2008-2009	147,280.00	60.00	\$ 38,769.71	0.263
2009-2010	106,600.00	60.00	\$ 33,989.52	0.319
COMMENTS:				
Year is calculated September to August. November 2009, January 2010, and March 2010 have a low usage				

Appendix B.
 School Project Data Sheets

School District:	Noxon			
Project Name:	Noxon Schools			
Project Description:	Window replacement at the Noxon School			
Project Grant Amount:	\$ 229,832.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	54,784.17	49,253.33	kWH	
Yearly Average Usage:	657,410.00	591,040.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		66,370.00	kWH	10%
Calculated Savings	\$	4,556.05	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	674,720.00		\$ 45,959.23	0.068
2008-2009	640,100.00		\$ 43,903.05	0.069
2009-2010	591,040.00		\$ 40,572.68	0.069
COMMENTS:				
Year is calculated October to September.				
Electric Heat				

Appendix B.
School Project Data Sheets

School District:	Olney-Bissell			
Project Name:	Olney-Bissell Schools			
Project Description:	replacement of electric furnaces with a geothermal heat pump system at the Olney-Bissell School.			
Project Grant Amount:	\$ 167,623.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	14,160.00	12,126.67	kWH	
Yearly Average Usage:	169,920.00	145,520.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		24,400.00	kWH	14%
Calculated Savings	\$	1,777.18	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	168,320.00	116.00	\$ 12,457.54	0.074
2008-2009	171,520.00	120.00	\$ 13,599.76	0.079
2009-2010	145,520.00	88.00	\$ 10,598.96	0.073
<u>COMMENTS:</u>				
Year is calculated September to August. Large fans have been running in gym since spring 2010.				

Appendix B.
 School Project Data Sheets

School District:		Plains		
Project Name:		Wildhorse School		
Project Description:		Lighting upgrades at the Wildhorse School, Plains High School and Middle School.		
Project Grant Amount:		\$2,994.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	6,744.17	6,498.33	kWH	
Yearly Average Usage:	80,930.00	77,980.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		2,950.00	kWH	4%
Calculated Savings	\$	418.90	\$	
Electricity				
Year	Yearly Total (kWH)			
2007-2008	81,460.00			
2008-2009	80,400.00			
2009-2010	77,980.00			
COMMENTS:				
<p>Year is calculated September to August. Cost data was only provided for four months of 2010. Calculated savings is based in the average cost per kwh for these four billing periods.</p>				

School District:		Plains		
Project Name:		Plains High School and Middle School		
Project Description:		Lighting upgrades at the Wildhorse School, Plains High School and Middle School.		
Project Grant Amount:		\$53,511.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Plains High School				
Monthly Average Usage:	57,905.83	49,258.33	kWH	
Yearly Average Usage:	694,870.00	591,100.00	kWH	
Plains Middle School				
Monthly Average Usage:	3,197.50	3,435.00	kWH	
Yearly Average Usage:	38,370.00	41,220.00	kWH	
SAVINGS:				
Electricity				
Plains High School				
Yearly Average Saved:		103,770.00	kWH	15%
Calculated Savings	\$	10,200.59	\$	
Plains Middle School				
Yearly Average Saved:		(237.50)	kWH	-7%
Calculated Savings	\$	(23.61)	\$	
Electricity				
Year	Yearly Total (kWH)			
Plains High School				
2007-2008	691,260.00			
2008-2009	698,480.00			
2009-2010	591,100.00			
Plains Middle School				
Yearly Total (kWH)				
2007-2008	38,100.00			
2008-2009	38,640.00			
2009-2010	41,220.00			
COMMENTS:				
Year is calculated September to August.				
Cost data was only provided for four months of 2010. Calculated savings is based in the average cost per kwh for these four billing periods.				

Appendix B.
School Project Data Sheets

School District:		Polson		
Project Name:		Cherry Valley Elementary		
Project Description:		Lighting Retrofit at Cherry Valley Elementary, Linderman Elementary, Polson Middle School and Polson High School.		
Project Grant Amount:		\$309,588.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	21,413.33	18,300.00	kWH	
Yearly Average Usage:	256,960.00	219,600.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		37,360.00	kWH	15%
Calculated Savings	\$	2,118.03	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	265,840.00	106.00	\$ 15,356.87	0.058
2008-2009	248,080.00	102.00	\$ 14,356.55	0.058
2009-2010	219,600.00	82.00	\$ 12,449.69	0.057
COMMENTS:				
Year is calculated October to September.				

Appendix B.
School Project Data Sheets

School District:		Polson			
Project Name:		Linderman Elementary			
Project Description:		Lighting Retrofit at Cherry Valley Elementary, Linderman Elementary, Polson Middle School and Polson High School.			
Project Grant Amount:		\$309,588.00			
	PRE PROJECT:	POST PROJECT:			
Electricity					
Monthly Average Usage:	46,370.00	45,680.00	kWH		
Yearly Average Usage:	556,440.00	548,160.00	kWH		
SAVINGS:					
Electricity					
Yearly Average Saved:		8,280.00	kWH		1%
Calculated Savings	\$	467.33	\$		
Electricity					
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH	
2007-2008	561,720.00	295.00	\$ 32,612.85	0.058	
2008-2009	551,160.00	304.00	\$ 32,187.51	0.058	
2009-2010	548,160.00	300.00	\$ 30,938.48	0.056	
COMMENTS:					
Year is calculated October to September.					

Appendix B.
School Project Data Sheets

School District:	Polson			
Project Name:	Polson Middle School			
Project Description:	Lighting Retrofit at Cherry Valley Elementary, Linderman Elementary, Polson Middle School and Polson High School.			
Project Grant Amount:	\$309,588.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	50,200.00	47,740.00	kWH	
Yearly Average Usage:	602,400.00	572,880.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		29,520.00	kWH	5%
Calculated Savings	\$	1,630.59	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	609,600.00	210.00	\$ 33,980.19	0.056
2008-2009	595,200.00	231.00	\$ 33,737.74	0.057
2009-2010	572,880.00	198.00	\$ 31,644.02	0.055
<u>COMMENTS:</u>				
Year is calculated October to September.				

Appendix B.
 School Project Data Sheets

School District:		Polson		
Project Name:		Polson High School		
Project Description:		Lighting Retrofit at Cherry Valley Elementary, Linderman Elementary, Polson Middle School and Polson High School.		
Project Grant Amount:		\$149,143.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	150,491.67	122,166.67	kWH	
Yearly Average Usage:	1,805,900.00	1,466,000.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		339,900.00	kWH	19%
Calculated Savings	\$	17,706.97	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	1,991,600.00	729.00	\$ 100,751.00	0.051
2008-2009	1,620,200.00	693.00	\$ 82,984.90	0.051
2009-2010	1,466,000.00	641.00	\$ 76,370.76	0.052
COMMENTS:				
Year is calculated October to September.				

Appendix B.
 School Project Data Sheets

School District: Poplar				
Project Name: Poplar Schools				
Project Description: Lighting Retrofit at Poplar School District.				
Project Grant Amount: \$20,740.00				
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	55,902.83	54,374.33	kWH	
Yearly Average Usage:	670,834.00	652,492.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		18,342.00	kWH	3%
Calculated Savings	\$	1,048.34	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008				
2008-2009	670,834.00		\$ 37,217.81	0.055
2009-2010	652,492.00		\$ 37,293.18	0.057
COMMENTS:				
Year is calculated October to September. Missing utility data for Oct 07 to Feb 08.				

Appendix B.
School Project Data Sheets

School District:		Rapelje		
Project Name:		Rapelje Schools		
Project Description:		Lighting upgrades and window replacement at the Rapelje School.		
Project Grant Amount:		\$ 28,677.50		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	17,055.25	13,880.00	kWH	
Yearly Average Usage:	204,663.00	166,560.00	kWH	
Coal				
Monthly Average Usage:	4.96	5.75	Tons	
Yearly Average Usage:	59.50	69.00	Tons	
SAVINGS:				
Electricity				
Yearly Average Saved:		38,103.00	kWH	19%
Calculated Savings	\$	3,802.75	\$	
Coal				
Yearly Average Saved:		(9.50)	Tons	-16%
Calculated Savings	\$	(877.99)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	208,080.00		\$ 17,165.00	0.082
2008-2009	201,246.00		\$ 19,622.00	0.098
2009-2010	166,560.00		\$ 16,623.00	0.100
Coal				
Year	Yearly Total (Tons)		Yearly Charges	\$/ton
2007-2008	59		\$ 4,932.00	83.593
2008-2009	60		\$ 5,360.00	89.333
2009-2010	69		\$ 6,377.00	92.420
COMMENTS:				
Year is calculated September to August.				
Coal Boiler.				
Winter 2010 was windier and colder than previous years.				
2010 school year had a new boiler operator.				

Appendix B.
 School Project Data Sheets

School District:		Red Lodge			
Project Name:		Red Lodge Mountain View School			
Project Description:		Lighting upgrade at Mountain View School.			
Project Grant Amount:		\$62,422.00			
	PRE PROJECT:	POST PROJECT:			
Electricity					
Monthly Average Usage:	11,693.33	10,966.67	kWH		
Yearly Average Usage:	140,320.00	131,600.00	kWH		
SAVINGS:					
Electricity					
Yearly Average Saved:		8,720.00	kWH		6%
Calculated Savings	\$	848.11	\$		
Electricity					
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH	
2007-2008	140,080.00	69.00	\$ 14,731.09	0.105	
2008-2009	140,560.00	67.00	\$ 14,876.89	0.106	
2009-2010	131,600.00	56.00	\$ 12,799.41	0.097	
COMMENTS:					
Year calculated from July to June					

Appendix B.
 School Project Data Sheets

School District:	Reed Point			
Project Name:	Reed Point Schools			
Project Description:	Lighting upgrade of high school, elementary school, bus barn and classrooms in blue building at the Reed Point Schools.			
Project Grant Amount:	\$16,384.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	17,043.79	14,836.00	kWH	
Yearly Average Usage:	204,525.50	178,032.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		26,493.50	kWH	13%
Calculated Savings	\$	4,540.37	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	212,003.00		\$ 37,604.06	0.177
2008-2009	197,048.00		\$ 33,653.27	0.171
2009-2010	178,032.00		\$ 30,510.55	0.171
<u>COMMENTS:</u>				
Year is calculated October to September.				

Appendix B.
 School Project Data Sheets

School District: Richey				
Project Name: Richey High School				
Project Description: Lighting upgrades at Richey High School.				
Project Grant Amount: \$6,995.00				
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	14,337.50	13,679.17	kWH	
Yearly Average Usage:	172,050.00	164,150.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		7,900.00	kWH	5%
Calculated Savings	\$	975.62	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	176,290.00		\$ 14,951.96	0.085
2008-2009	167,810.00		\$ 16,206.64	0.097
2009-2010	164,150.00		\$ 20,272.00	0.123
COMMENTS:				
Year is calculated September to August.				

School District:	Roberts			
Project Name:	Roberts School			
Project Description:	Lighting retrofit, glass block replacement, furnace replacement and programmable thermostats at Roberts School.			
Project Grant Amount:	\$ 63,909.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	19,673.33	18,750.00	kWH	
Yearly Average Usage:	236,080.00	225,000.00	kWH	
Natural Gas				
Monthly Average Usage:	183.26	175.03	Dkt	
Yearly Average Usage:	2,199.17	2,100.40	Dkt	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		11,080.00	kWH	5%
Calculated Savings	\$	1,067.73	\$	
Natural Gas				
Yearly Average Saved:		98.76	Dkt	4%
Calculated Savings	\$	880.53	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	242,520.00		\$ 20,112.20	0.083
2008-2009	229,640.00		\$ 22,682.08	0.099
2009-2010	225,000.00		\$ 21,682.17	0.096
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	2278.03		\$ 25,501.63	11.195
2008-2009	2120.3		\$ 22,427.97	10.578
2009-2010	2100.4		\$ 18,726.01	8.915
<u>COMMENTS:</u>				
Year is calculated October to September.				

Appendix B.
 School Project Data Sheets

School District:		Roundup		
Project Name:		Roundup Junior/Senior High		
Project Description:		Lighting Upgrade. Roundup Junior/Senior High, Roundup Elementary Gym and Administrative Building and Roundup Central Elementary.		
Project Grant Amount:		\$8,167.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	34,019.13	31,823.33	kWH	
Yearly Average Usage:	408,229.50	381,880.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		26,349.50	kWH	6%
Calculated Savings	\$	2,274.46	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	414,640.00		\$ 37,551.08	0.091
2008-2009	401,819.00		\$ 35,975.21	0.090
2009-2010	381,880.00		\$ 32,963.44	0.086
COMMENTS:				
Year is calculated September to August.				

Appendix B.
School Project Data Sheets

School District:		Roundup		
Project Name:		Administration Building		
Project Description:		Lighting Upgrade. Roundup Junior/Senior High, Roundup Elementary Gym and Administrative Building and Roundup Central Elementary.		
Project Grant Amount:		\$8,167.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	5,465.83	4,890.00	kWH	
Yearly Average Usage:	65,590.00	58,680.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		6,910.00	kWH	11%
Calculated Savings	\$	683.23	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	64,900.00		\$ 6,781.17	0.104
2008-2009	66,280.00		\$ 6,735.77	0.102
2009-2010	58,680.00		\$ 5,802.02	0.099
COMMENTS:				
Year is calculated September to August.				

Appendix B.
School Project Data Sheets

School District:	Roundup			
Project Name:	Roundup Elementary Gym and Roundup Central Elementary.			
Project Description:	Lighting Upgrade. Roundup Junior/Senior High, Roundup Elementary Gym and Administrative Building and Roundup Central Elementary.			
Project Grant Amount:	\$5,544.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	16,658.33	17,264.08	kWH	
Yearly Average Usage:	199,900.00	207,169.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		(7,269.00)	kWH	-4%
Calculated Savings	\$	(696.54)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	202,000.00		\$ 19,929.25	0.099
2008-2009	197,800.00		\$ 19,805.29	0.100
2009-2010	207,169.00		\$ 19,851.74	0.096
<u>COMMENTS:</u>				
Year is calculated September to August.				

Appendix B.
School Project Data Sheets

School District:	Savage			
Project Name:	Savage Public Schools			
Project Description:	window upgrades, upgrade to the steam heating system and an increase in roof insulation at the Savage Public School.			
Project Grant Amount:	\$ 99,796.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	19,148.02	17,596.33	kWH	
Yearly Average Usage:	229,776.21	211,155.91	kWH	
Natural Gas				
Monthly Average Usage:	34.89	36.57	DKt	
Yearly Average Usage:	418.64	438.80	DKt	
Coal				
Monthly Average Usage:	15.24	14.59	DKt	
Yearly Average Usage:	182.84	175.12	DKt	
SAVINGS:				
Electricity				
Yearly Average Saved:		18,620.30	kWH	8%
Calculated Savings	\$	1,239.19	\$	
Natural Gas				
Yearly Average Saved:		(20.16)	DKt	-5%
Calculated Savings	\$	(155.94)	\$	
Coal				
Yearly Average Saved:		7.72	DKt	4%
Calculated Savings	\$	202.52	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	231,368.56		\$ 12,119.24	0.052
2008-2009	228,183.86		\$ 16,390.67	0.072
2009-2010	211,155.91		\$ 14,052.58	0.067
Natural Gas				
Year	Yearly Total (DKt)		Yearly Charges	\$/DKt
2007-2008	421.76		\$ 3,342.83	7.926
2008-2009	415.52		\$ 4,248.32	10.224
2009-2010	438.8		\$ 3,394.17	7.735
Coal				
Year	Yearly Total (Tons)		Yearly Charges	\$/DKt
2007-2008	169.31		\$ 2,999.91	17.72
2008-2009	196.36		\$ 4,331.50	22.06
2009-2010	175.12		\$ 4,596.83	26.25
COMMENTS:				
Year is calculated September to August.				
Coal Fueled Boiler with Natural Gas used for minor heating and cooking.				

Appendix B.
School Project Data Sheets

School District:	Sheridan			
Project Name:	Sheridan High School			
Project Description:	Heating system upgrade at Sheridan High School			
Project Grant Amount:	\$ 36,997.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	29,953.33	13,380.00	kWH	
Yearly Average Usage:	179,720.00	160,560.00	kWH	
Natural Gas				
Monthly Average Usage:	249.56	165.86	Dkt	
Yearly Average Usage:	2,994.70	1,990.30	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		19,160.00	kWH	11%
Natural Gas				
Yearly Average Saved:		1,004.40	Dkt	34%
Calculated Savings	\$	14,100.92	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Total (Dkt)	Yearly Charges	\$/Unit Energy
2007-2008	173,280.0	3,048.80	\$ 52,597.73	\$ 0.049
2008-2009	186,160.0	2,940.60	\$ 49,564.11	\$ 0.047
2009-2010	160,560.0	1,990.30	\$ 33,455.68	\$ 0.045
COMMENTS:				
Year is calculated October to September.				
One month of 2007 natural gas usage was estimated based on total usage charge for that month.				

School District:	St. Ignatius		
Project Name:	St. Ignatius		
Project Description:	Upgrade entryways and replace windows at the St. Ignatius School.		
Project Grant Amount:	\$ 30,152.00		
	PRE PROJECT:	POST PROJECT:	
Electricity			
Monthly Average Usage:	58,565.83	58,280.00	kWH
Yearly Average Usage:	702,790.00	699,360.00	kWH
Propane Gas			
Monthly Average Usage:	2,234.29	2,546.38	Gals
Yearly Average Usage:	26,811.50	30,556.50	Gals
Diesel			
Monthly Average Usage:	680.50	279.50	Gals
Yearly Average Usage:	8,166.00	3,354.00	Gals
SAVINGS:			
Electricity			
Yearly Average Saved:		3,430.00	kWH 0%
Calculated Savings	\$	198.09	\$
Propane Gas			
Yearly Average Saved:		(3,745.00)	Gals -14%
Calculated Savings	\$	(3,745.00)	\$
Oil			
Yearly Average Saved:		401.00	Gals 59%
Calculated Savings	\$	1,001.17	\$
Electricity			
Year	Yearly Total (kWH)	Yearly Charges	\$/kWH
2007-2008	730,400.00	\$ 40,755.93	0.056
2008-2009	675,180.00	\$ 39,864.19	0.059
2009-2010	699,360.00	\$ 40,390.52	0.058
Propane			
Year	Yearly Total (Gals)	Yearly Charges	\$/Gal
2007-2008	27898.3	\$ 50,773.70	1.820
2008-2009	25724.7	\$ 43,403.50	1.687
2009-2010	30556.5	\$ 30,556.50	1.000
Oil			
Year	Yearly Total (Gals)	Yearly Charges	\$/Gal
2007-2008	3903	\$ 12,509.00	3.205
2008-2009	12429	\$ 30,068.80	2.419
2009-2010	3354	\$ 8,373.90	2.497
COMMENTS:			
Year is calculated October to September.			

Appendix B.
School Project Data Sheets

School District:	Stevensville			
Project Name:	Stevensville Elementary and High School			
Project Description:	Lighting upgrades at the Stevensville Junior High and window replacement at the High School.			
Project Grant Amount:	\$ 41,020.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	34,180.00	31,486.67	kWH	
Yearly Average Usage:	410,160.00	377,840.00	kWH	
Natural Gas				
Monthly Average Usage:	443.43	431.15	DKt	
Yearly Average Usage:	5,321.10	5,173.80	DKt	
SAVINGS:				
Electricity				
Yearly Average Saved:		32,320.00	kWH	8%
Natural Gas				
Yearly Average Saved:		147.30	DKt	3%
Calculated Savings	\$	3,374.21	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Total (DKt)	Yearly Charges	\$/Unit Energy
2007-2008	421,920.00	5356.6	\$ 101,266.39	\$ 0.051
2008-2009	398,400.00	5285.6	\$ 95,073.23	\$ 0.049
2009-2010	377,840.00	5173.8	\$ 84,664.47	\$ 0.045
COMMENTS:				
Year is calculated October to September. Natural Gas Heating				

Appendix B.
 School Project Data Sheets

School District:		Sun River		
Project Name:		Simms High School		
Project Description:		Lighting upgrade		
Project Grant Amount:		\$65,661.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	18,125.00	16,653.33	kWH	
Yearly Average Usage:	217,500.00	199,840.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		17,660.00	kWH	8%
Calculated Savings	\$	1,370.36	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	226,560.00		\$ 14,722.00	0.065
2008-2009	208,440.00		\$ 14,719.00	0.071
2009-2010	199,840.00		\$ 15,507.00	0.078
COMMENTS:				
Year is calculated October to September.				

Appendix B.
School Project Data Sheets

School District:	Superior			
Project Name:	Superior Schools Lighting upgrade at Superior Elementary gymnasium, lighting upgrade at Superior High gymnasium, lighting upgrade at Superior High classrooms, and lighting upgrade at Superior Schools bus barn.			
Project Description:	Superior Schools bus barn.			
Project Grant Amount:	\$23,776.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	40,707.92	38,936.08	kWH	
Yearly Average Usage:	488,495.00	467,233.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		21,262.00	kWH	4%
Calculated Savings	\$	2,037.82	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	504,431.00		\$ 53,358.24	0.106
2008-2009	472,559.00		\$ 47,465.87	0.100
2009-2010	467,233.00		\$ 44,781.10	0.096
<u>COMMENTS:</u>				
Year is calculated October to September. Electrical costs for August and September of 2010 were not provided, values were calculated using current energy rates.				

Appendix B.
School Project Data Sheets

School District:	Swan Valley			
Project Name:	Swan Valley Elementary			
Project Description:	Lighting in gym and classroom building and basic DDC system at Swan Valley Elementary			
Project Grant Amount:	\$ 39,006.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	7,185.00	6,120.83	kWH	
Yearly Average Usage:	86,220.00	73,450.00	kWH	
Propane Gas				
Monthly Average Usage:	587.50	520.83	Gals	
Yearly Average Usage:	7,050.00	6,250.00	Gals	
SAVINGS:				
Electricity				
Yearly Average Saved:		12,770.00	kWH	15%
Calculated Savings	\$	561.71	\$	
Propane Gas				
Yearly Average Saved:		800.00	Gals	11%
Calculated Savings	\$	1,307.01	\$	
Total Saved	\$	1,868.72	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	83,200.00		\$ 3,396.11	0.041
2008-2009	89,240.00		\$ 3,784.89	0.042
2009-2010	73,450.00		\$ 3,230.84	0.044
Propane				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	No Data Provided		\$ -	
2008-2009	7050		\$ 10,141.00	1.438
2009-2010	6250		\$ 10,211.00	1.634
COMMENTS:				
Year is calculated October to September.				

Appendix B.
School Project Data Sheets

School District:	Terry			
Project Name:	Bolin Elementary School			
Project Description:	Piping insulation for boiler replacement project at Bolin Elementary School.			
Project Grant Amount:	\$ 173,581.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	5,719.21	7,520.67	kWH	
Yearly Average Usage:	68,630.50	90,248.00	kWH	
Natural Gas				
Monthly Average Usage:	103.63	83.65	Dkt	
Yearly Average Usage:	1,243.55	1,003.80	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		(21,617.50)	kWH	-31%
Calculated Savings	\$	(1,441.83)	\$	
Natural Gas				
Yearly Average Saved:		239.75	Dkt	19%
Calculated Savings	\$	1,670.49	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	66,718.00	22.20	\$ 4,442.12	0.067
2008-2009	70,543.00	13.80	\$ 4,981.19	0.071
2009-2010	90,248.00	17.80	\$ 6,019.29	0.067
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	1223.8		\$ 9,943.41	8.125
2008-2009	1263.3		\$ 10,463.10	8.282
2009-2010	1003.8		\$ 6,994.12	6.968
COMMENTS:				
Year is calculated September to August. Natural Gas Boiler. Saved 19% in Heating bills. Electric charges are not relevant for this energy upgrade.				

Appendix B.
 School Project Data Sheets

School District:	Thompson Falls			
Project Name:	Thompson Falls School District			
Project Description:	Lighting upgrades at the Thompson Falls High School, Dorm/Administration Building, Gymnasium, Junior High, and Elementary School.			
Project Grant Amount:	\$ 96,165.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	23,420.00	22,000.00	kWH	
Yearly Average Usage:	281,040.00	264,000.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		17,040.00	kWH	6%
Calculated Savings	\$	1,674.61	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	282,960.00		\$ 30,500.65	0.108
2008-2009	279,120.00		\$ 31,407.44	0.113
2009-2010	264,000.00		\$ 25,944.72	0.098
COMMENTS:				
	Year is calculated October to September.			

School District:	Townsend			
Project Name:	Townsend School District Controls and Retro-Commissioning at Townsend Elementary School, Middle School, High School and Library.			
Project Description:	School and Library.			
Project Grant Amount:	\$438,993.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	84,058.75	77,157.00	kWH	
Yearly Average Usage:	1,008,705.00	925,884.00	kWH	
Natural Gas				
Monthly Average Usage:	257.83	283.75	kWH	
Yearly Average Usage:	3,094.00	3,405.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		82,821.00	kWH	8%
Calculated Savings	\$	7,798.94	\$	
Natural Gas (Account 710189-0)				
Yearly Average Saved:		(25.92)	kWH	-10%
Calculated Savings	\$	(404.35)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2007-2008	1,055,596.00	150.00	\$ 97,841.00	0.093
2008-2009	961,814.00	167.00	\$ 90,638.00	0.094
2009-2010	925,884.00	143.00	\$ 87,187.00	0.094
Natural Gas				
Year	Yearly Total (dkt)		Yearly Charges	\$/dkt
2007-2008	2,940.00		\$ 25,821.00	8.783
2008-2009	3,248.00		\$ 33,101.00	10.191
2009-2010	3,405.00		\$ 53,124.00	15.602
COMMENTS:				
Year is calculated September to August. Natural Gas usage increase by 25.92 dkt as compared to the 2007-2009 average. The is only a 10% increase or \$404.35 at the current rate. However because the natural gas rate increased so dramatically for the period of September 2009 to August 2010, the school district saw a \$20,023 increase in 2009-2010 in natural gas charges as compared to September 2008 to August 2009.				

Appendix B.
School Project Data Sheets

School District:	Troy			
Project Name:	Morrison Elementary			
Project Description:	Replace single pane windows at Morrison Elementary and Troy High School/Junior High.			
Project Grant Amount:	\$ 156,245.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	26,383.33	27,686.67	kWH	
Yearly Average Usage:	316,600.00	332,240.00	kWH	
Heating Fuel Oil				
Monthly Average Usage:	833.58	291.67	Gals	
Yearly Average Usage:	10,003.00	3,500.00	Gals	
Pellets				
Monthly Average Usage:	3.48	4.37	Gals	
Yearly Average Usage:	41.80	52.40	Gals	
Heating Fuel Oil and Wood Pellets Combined Converted to KWH				
Monthly Average Usage:	42,308.18	32,973.09	kWH	
Yearly Average Usage:	507,698.15	395,677.02	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		(15,640.00)	kWH	-5%
Calculated Savings	\$	(837.07)	\$	
Diesel and Wood Pellets Combined Converted to KWH				
Yearly Average Saved:		112,021.13	kwh	65%
Calculated Savings		9,507.30	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2008	313,840.00	181.00	\$ 16,790.32	0.053
2008-2009	319,360.00	111.00	\$ 16,860.29	0.053
2009-2010	332,240.00	123.00	\$ 17,781.84	0.054
Heating Fuel Oil				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	7006		\$ 22,206.99	3.170
2008-2009	13,000		\$ 25,653.50	1.973
2009-2010	3,500		\$ 7,958.55	2.274
Wood Pellets				
Year	Yearly Total (Tons)		Yearly Charges	\$/Ton
2007-2008	NA		\$ -	NA
2008-2009	41.8		\$ 5,852.00	140.000
2009-2010	52.4		\$ 7,331.80	139.920
Heating Fuel Oil and Wood Pellets Combined Converted to KWH				
Year	Diesel KWH	Pellet KWH	Total KWH	\$/KWH
2007-2008	284,798.42		284,798.42	0.0780
2008-2009	528,458.38	202,139.51	730,597.89	0.0775
2009-2010	142,277.26	253,399.77	395,677.02	0.0849
COMMENTS:	Electricity year calculated September to August. Diesel and Wood Pellet are calculated based on the school year calendar, July to June. There were only six fuel oil deliveries between November 2007 and January 2010, with only one delivery in 2010. The 2008-2009 year shows a high usage of Heating Fuel Oil It is assumed that in all of the fuel oil and wood pellets were used in the year delivered.			

Appendix B.
School Project Data Sheets

School District:	Troy			
Project Name:	Troy High School			
Project Description:	Replace single pane windows at Morrison Elementary and Troy High School/Junior High.			
Project Grant Amount:	\$ 24,567.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	45,573.33	42,536.67	kWH	
Yearly Average Usage:	546,880.00	510,440.00	kWH	
Heating Fuel Oil				
Monthly Average Usage:	1,812.92	1,208.33	Gals	
Yearly Average Usage:	21,755.00	14,500.00	Gals	
SAVINGS:				
Electricity				
Yearly Average Saved:		36,440.00	kWH	7%
Calculated Savings	\$	1,874.89	\$	
Diesel				
Yearly Average Saved:		7,255.00	Gals	33%
Calculated Savings	\$	17,166.71	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/kWH
2007-2008	544,320.00	195.00	\$ 27,910.29	0.051
2008-2009	549,440.00	188.00	\$ 28,140.34	0.051
2009-2010	510,440.00	196.00	\$ 26,262.90	0.051
Heating Fuel Oil				
Year	Yearly Total (Gals)		Yearly Charges	\$/Gal
2007-2008	14509		\$ 45,978.25	3.169
2008-2009	29,001		\$ 57,310.23	1.976
2009-2010	14,500		\$ 34,309.75	2.366
COMMENTS:				
Electricity year calculated September to August. Heating Fuel Oil is calculated based on the school year calendar, July to June. The 2008-2009 year shows a high usage of Heating Fuel Oil deliveries. For the purposed of this calculation and because no other additional information is available at this time, it is assumed that in all of the fuel oil was used in the year delivered.				

Appendix B.
 School Project Data Sheets

School District:		Turner		
Project Name:		Turner School		
Project Description:		Upgrade lighting at Turner School.		
Project Grant Amount:		\$12,672.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	11,596.67	9,720.00	kWH	
Yearly Average Usage:	139,160.00	116,640.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		22,520.00	kWH	16%
Calculated Savings	\$	1,262.35	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	144,000.00		\$ 12,381.53	0.086
2008-2009	134,320.00		\$ 12,448.61	0.093
2009-2010	116,640.00		\$ 11,152.72	0.096
COMMENTS:				
Year is calculated October to September.				

Appendix B.
School Project Data Sheets

School District:	Ulm			
Project Name:	Ulm Elementary			
Project Description:	Upgrade windows and exterior doors at Ulm School.			
Project Grant Amount:	\$ 115,760.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Annual Average Usage:	94,380.00	91,860.00	kWH	
Natural Gas				
Yearly Average Usage:	9,836.25	9,865.50	DKt	
SAVINGS:				
Electricity				
Yearly Average Saved:		2,520.00	kWH	3%
Calculated Savings		165.73	\$	
Natural Gas				
Yearly Average Saved:		(29.25)	DKt	0%
Calculated Savings		(21.43)	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
2007-2009 Annual Average	94,380.00		\$ 6,914.88	0.073
2009-2010 Calculated	91,860.00		\$ 6,041.35	0.066
Natural Gas				
Year	Yearly Total (DKt)		Yearly Charges	\$/DKt
2005-2009 Annual Average	9836.25		\$ 9,725.87	0.989
2009-2010 Calculated	9865.5		\$ 7,227.68	0.733
COMMENTS:				
<p>Energy use data was provided for Ulm Elementary through May of 2010. Since a full year of post project data was not available the average monthly savings from October 2009 through May 2010 was calculated. An annual monthly average was calculated for the months of October through May for the years of 2007 through 2009. This monthly average was compared to the monthly usage data provided post project (October 2009 through May 2010). The annual usage and average savings was extrapolated to evaluate the energy savings for this project. In addition to the window and door upgrades Ulm also reported installing new lights within the last year.</p>				

Appendix B.
 School Project Data Sheets

School District:	Victor			
Project Name:	Victor School			
Project Description:	Roof and wall insulation at the Victor School cafeteria as well as roof insulation in the			
Project Grant Amount:	\$ 237,491.00			
	PRE PROJECT:	POST PROJECT:		
Wood Chips				
Monthly Average Usage:	24.41	22.99	Tons	
Yearly Average Usage:	292.87	275.88	Tons	
<u>SAVINGS:</u>				
Wood Chips				
Yearly Average Saved:		16.99	Tons	6%
Calculated Savings	\$	781.54	\$	
Wood Chips				
Year	Yearly Total (Tons)		Yearly Charges	\$/Ton
2007-2008	258.50		\$ 10,081.50	39.0
2008-2009	327.24		\$ 14,398.56	44.0
2009-2010	275.88		\$ 12,690.48	46.0
<u>COMMENTS:</u>				
Year is calculated September to October.				

Appendix B.
 School Project Data Sheets

School District:		West Yellowstone		
Project Name:		West Yellowstone School		
Project Description:		Lighting throughout the West Yellowstone School.		
Project Grant Amount:		\$50,000.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	37,080.00	35,820.00	kWH	
Yearly Average Usage:	444,960.00	429,840.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		15,120.00	kWH	3%
Calculated Savings	\$	1,045.03	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	430,680.00		\$ 31,957.96	0.074
2008-2009	459,240.00		\$ 32,502.04	0.071
2009-2010	429,840.00		\$ 29,708.81	0.069
COMMENTS:				
Year is calculated September to August.				

Appendix B.
School Project Data Sheets

School District:	Whitehall			
Project Name:	Whitehall Elementary and High School			
Project Description:	Lighting upgrade for all rooms at Whitehall Elementary and Whitehall High School.			
Project Grant Amount:	\$67,159.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Grade School				
Monthly Average Usage:	6,731.67	5,330.00	kWH	
Yearly Average Usage:	80,780.00	63,960.00	kWH	
High School				
Monthly Average Usage:	12,411.67	11,553.33	kWH	
Yearly Average Usage:	148,940.00	138,640.00	kWH	
New School				
Monthly Average Usage:	39,366.67	34,053.33	kWH	
Yearly Average Usage:	472,400.00	408,640.00	kWH	
SAVINGS:				
Electricity				
Grade School				
Yearly Average Saved:		16,820.00	kWH	21%
Calculated Savings	\$	1,767.98	\$	
High School				
Yearly Average Saved:		10,300.00	kWH	7%
Calculated Savings	\$	1,047.40	\$	
New School				
Yearly Average Saved:		63,760.00	kWH	13%
Calculated Savings	\$	5,620.71	\$	
Total Savings	\$	8,436.09	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Peak Demand (kW)	Yearly Charges	\$/KWH
Grade School				
2007-2008	83,200.00		\$ 8,972.26	0.108
2008-2009	78,360.00		\$ 8,245.36	0.105
2009-2010	63,960.00		\$ 6,722.95	0.105
High School				
2007-2008	159,000.00		\$ 17,379.85	0.109
2008-2009	138,880.00		\$ 15,166.58	0.109
2009-2010	138,640.00		\$ 14,098.17	0.102
New School				
2007-2008	500,160.00		\$ 44,807.62	0.090
2008-2009	444,640.00		\$ 39,655.83	0.089
2009-2010	408,640.00		\$ 36,023.32	0.088
COMMENTS:				
Year is calculated October to September.				
KW was not provided for all months so it was not included in this analysis				

Appendix B.
 School Project Data Sheets

School District:		White Sulfer Springs		
Project Name:		White Sulfer Springs High School		
Project Description:		Lighting upgrades at the High School and Elementary.		
Project Grant Amount:		\$14,350.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	15,610.00	11,960.00	kWH	
Yearly Average Usage:	187,320.00	143,520.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		43,800.00	kWH	23%
Calculated Savings	\$	4,523.74	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	194,680.00		\$ 20,063.00	0.103
2008-2009	179,960.00		\$ 18,791.00	0.104
2009-2010	143,520.00		\$ 14,823.00	0.103
COMMENTS:				
Year is calculated September to August.				
Electrical data was provide by spreadsheet recorded by the school. Some of the data looks inconsistent. Actual utility bills not provided.				
Data provided is missing July 2010 data, this month was estimated based on historical trends.				

Appendix B.
 School Project Data Sheets

School District:		White Sulfer Springs		
Project Name:		White Sulfer Springs Elementary		
Project Description:		Lighting upgrades at the High School and Elementary.		
Project Grant Amount:		\$7,850.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	13,648.33	13,365.83	kWH	
Yearly Average Usage:	163,780.00	160,390.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		3,390.00	kWH	2%
Calculated Savings	\$	333.36	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	160,920.00		\$ 14,488.00	0.090
2008-2009	166,640.00		\$ 17,019.00	0.102
2009-2010	160,390.00		\$ 15,772.00	0.098
COMMENTS:				
Year is calculated September to August. Electrical data was provide by spreadsheet recorded by the school. Some of the data looks inconsistent. Actual utility bills not provided.				

Appendix B.
School Project Data Sheets

School District:	Wibaux			
Project Name:	Wibaux Elementary			
Project Description:	Replace windows at Wibaux Elementary.			
Project Grant Amount:	\$ 31,121.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	13,285.42	13,060.50	kWH	
Yearly Average Usage:	159,425.00	156,726.00	kWH	
Natural Gas				
Monthly Average Usage:	122.62	126.24	Dkt	
Yearly Average Usage:	1,471.45	1,514.90	Dkt	
SAVINGS:				
Electricity				
Yearly Average Saved:		2,699.00	kWH	2%
Calculated Savings	\$	194.89	\$	
Natural Gas				
Yearly Average Saved:		(43.45)	Dkt	-3%
Calculated Savings	\$	(299.23)	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	148,152.00		\$ 10,812.60	0.073
2008-2009	170,698.00		\$ 12,256.96	0.072
2009-2010	156,726.00		\$ 11,316.99	0.072
Natural Gas				
Year	Yearly Total (Dkt)		Yearly Charges	\$/Dkt
2007-2008	1,469.60		\$ 12,254.79	8.339
2008-2009	1,473.30		\$ 12,089.78	8.206
2009-2010	1,514.90		\$ 10,432.83	6.887
COMMENTS:				
Year calculated October to September				

Appendix B.
School Project Data Sheets

School District:	Winifred			
Project Name:	Winifred School			
Project Description:	Replace the lighting in the classrooms at Winifred School and replace the lighting in the shop/resource room.			
Project Grant Amount:	\$67,806.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	13,836.67	13,173.33	kWH	
Yearly Average Usage:	166,040.00	158,080.00	kWH	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		7,960.00	kWH	5%
Calculated Savings	\$	763.70	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/KWH
2007-2008	167,680.00		\$ 12,191.54	0.073
2008-2009	164,400.00		\$ 13,382.21	0.081
2009-2010	158,080.00		\$ 15,166.54	0.096
<u>COMMENTS:</u>				
Year is calculated October to September.				

Appendix B.
 School Project Data Sheets

School District:		Winnett		
Project Name:		Winnett School		
Project Description:		Lighting upgrades at the Winnett School.		
Project Grant Amount:		\$16,863.00		
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	23,446.67	22,400.00	kWH	
Yearly Average Usage:	281,360.00	268,800.00	kWH	
SAVINGS:				
Electricity				
Yearly Average Saved:		12,560.00	kWH	4%
Calculated Savings	\$	1,582.24	\$	
Electricity				
Year	Yearly Total (kWH)		Yearly Charges	\$/kWH
2007-2008	270,320.00		\$ 25,320.54	0.094
2008-2009	292,400.00		\$ 34,789.16	0.119
2009-2010	268,800.00		\$ 33,861.96	0.126
COMMENTS:				
Year is calculated October to September.				

Appendix B.
 School Project Data Sheets

School District:	Wolf Creek			
Project Name:	Wolf Creek Elementary			
Project Description:	Lighting replacement at Wolf Creek School and additional ceiling insulation at Wolf Creek School.			
Project Grant Amount:	\$ 7,250.00			
	PRE PROJECT:	POST PROJECT:		
Electricity				
Monthly Average Usage:	1,547.25	1,312.50	kWH	
Yearly Average Usage:	18,567.00	15,750.00	kWH	
Natural Gas				
Monthly Average Usage:	28.03	24.76	DKt	
Yearly Average Usage:	336.35	297.10	DKt	
<u>SAVINGS:</u>				
Electricity				
Yearly Average Saved:		2,817.00	kWH	15%
Natural Gas				
Yearly Average Saved:		39.25	DKt	12%
Calculated Savings	\$	680.87	\$	
Electricity				
Year	Yearly Total (kWH)	Yearly Total (DKt)	Yearly Charges	\$/Unit Energy
2007-2008	19,722.00	352.9	\$ 6,661.44	\$ 0.054
2008-2009	17,412.00	319.8	\$ 5,774.74	\$ 0.052
2009-2010	15,750.00	297.1	\$ 4,888.84	\$ 0.048
<u>COMMENTS:</u>				
Year is calculated October to September.				