

School: Jennings Elementary School  
 Project Type: Window Replacements  
 Building Size: 46,100 SF

\*\*Weather  
 Normalized  
 Site Energy  
 Use Index      Site Energy  
 EUI              Costs per  
 (kBTU/SF)      kBTU

12 Month Period Ending	6/30/2007	71.2	\$ 0.02020
	8/31/2008	64.2	\$ 0.02315

Projected 12 month energy costs if project was not done

$$46,100 * 71.2 * \$ 0.02315 = \$ 75,986$$

Projected 12 month energy costs after project if energy cost remained constant

$$46,100 * 64.2 * \$ 0.02020 = \$ 59,784$$

12 month energy cost savings = \$ 16,201

Project Cost = \$ 310,804 / \$ 16,201 = **Project Payback 19.18 Years**

Project Cost if BSF Reimbursement\* were considered = \$ 247,400 / \$ 16,201 = **Project Payback 15.27 Years**

\* 20.4% net reimbursement based on the average of the reimbursement received for the Riverfield and Dwight Window Replacement Projects.

\*\*Weather-Normalization

Weather-normalization is an automated process in Energy Star Portfolio Manager that mathematically adjusts actual energy data so that it represents energy typically used in an average year for the same location. This accounts for weather differences from year to year that may result in abnormally high or low energy consumption.

School: Holland Hill Elementary School  
 Project Type: Ceilings and Lights Replacement  
 Building Size: 45,236 SF

\*\*Weather  
 Normalized  
 Site Energy  
 Use Index  
 EUI  
 (kBTU/SF)      Site Energy  
 Costs per  
 kBTU

12 Month Period Ending	6/30/2007	91.8	\$ 0.01722
	8/31/2008	89.3	\$ 0.01870

Projected 12 month energy costs if project was not done	45,236	*	91.8	*	\$ 0.01870	=	\$ 77,655
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Projected 12 month energy costs after project if energy cost remained constant	45,236	*	89.3	*	\$ 0.01722	=	\$ 69,561
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12 month energy cost savings = \$ 8,093

Project Cost = \$ 170,395 / \$ 8,093 = **Project Payback  
21.05 Years**

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School: Roger Sherman Elementary School  
 Project Type: Annex Building  
 Building Size: 47,390 SF (Post Construction)

\*\*Weather  
 Normalized  
 Site Energy  
 Use Index EUI  
 (kBTU/SF)      Site Energy  
 Costs per  
 kBTU

12 Month Period Ending	5/31/2009	83.9	\$ 0.02033
	8/31/2010	70.3	\$ 0.02334

Projected 12 month energy costs if project pre-project EUI was maintained

$$47,390 * 83.9 * \$ 0.02334 = \$ 92,800$$

Projected 12 month energy costs after project if energy cost remained constant

$$47,390 * 70.3 * \$ 0.02033 = \$ 67,730$$

12 month energy cost savings = \$ 25,071

Project Cost = \$ 1,640,351 / \$ 25,071 = **Project Payback 65.43 Years**

Project Cost after BSF = \$ 1,218,617 / \$ 25,071 = **Project Payback 48.61 Years**  
 Reimbursement is considered

\*\*Weather-Normalization

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