



# Energy Savings Performance Contracting

## Saving Facility Resources

### Case Study



## Kennewick School District

### Project Description:



This project included demand controlled ventilation upgrades, lighting system upgrades and power factor correction at Kennewick High School, lighting system upgrades at the Kennewick High School Annex, and control system replacement, lighting system upgrades and power factor correction at Tri-Tech Skills Center.

**Project Completed Total:**

**November, 2002**

**Project Cost:**

**\$505,603**

**Project Number:**

**GA Project #2002-193 (2-1)**

### *Annual Energy Project Savings:*

<b>Electrical</b>	\$43,929	<b>kWh</b>	<b>679,877</b>
<b>Fuel</b>	\$19,114	<b>Therms</b>	<b>24,823</b>
<b>Water</b>	\$	<b>Gallons</b>	<b>528,525</b>
<b>Maintenance</b>	\$9,939	Reduction in cooling water	
<b>Total Avoided Costs</b>	<b>\$72,982</b>		

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## Funding Sources

Kennewick School District  
Funds \$385,603  
Benton County PUD \$120,000

## Project Managers:

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Wayne Sealock,  
Resource Conservation Manager,  
Kennewick School District,  
(509) 734-3749

Kirsten Wilson,  
P.E. Energy Engineer  
Dept. of General Administration  
(509) 533-8282

Cameron Hamilton,  
Project Manager,  
McKinstry Company,  
(206) 832-8146

### Energy Companies:

McKinstry Company, Benton  
County PUD, Cascade Natural  
Gas

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### Emission Reductions:

*Annual Reduction in CO2:*

**1,891,404 pounds per year**

*Annual CO2 Reduction Represents:*

**Removing 66 Cars from the road, or  
Planting 134 acres of trees**

*Other Environmental Benefits (Annual):*

**SO2 Reductions = 8.2 pounds per year Pounds  
NOX Reductions = 1,609 pounds per year Pounds**

**This project improved the indoor air quality  
at both Kennewick High School and at Tri-  
Tech Skills Center.**