

Pearson

CASE
SUMMARY

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PEARSON

Iowa City, Iowa
Johnson County

Intern: John Hamilton
Major: Industrial Engineering
School: Iowa State University



The Company

Pearson is an international media company with market-leading businesses in education, business information and consumer publishing. Two divisions of Pearson, Government Solutions and Educational Measurement, have branches in Iowa. These two sectors work on government contracts, such as the census and student loans, and standardized educational testing and software development, respectively. There are branch offices across the United States including three campuses in Iowa (Iowa City, Coralville and Cedar Rapids).

Project Background

Pearson has a recycling program in place and is dedicated at the corporate level to responsible energy usage. This project dealt with energy use and addressed ways for the company to effectively reduce consumption and achieve long-term reduction goals.

Incentives to Change

Pearson wanted to undertake the project to maintain its corporate philosophy of providing a quality work environment while maintaining green policies and procedures. Pearson is dedicated to continuous improvement in the areas of waste reduction and energy consumption.

Results

The projects were grouped into seven categories as shown below. Each project description also states a location for application, as some projects dealt with a specific location, whereas several projects had applications for all of Pearson's Iowa sites, and other projects were relevant to all Educational Measurement and Government Solutions locations.



BUSINESS

ACADEMIA



Pearson's total annual reduction opportunities include: 9,300,000 kWh, 740,000 gallons of water, 900 pounds of Halon and 20 pounds of VOCs. All the reductions come with the added benefit of a potential annual savings of \$488,000 once all changes are implemented. Further advantages of the projects include enhancing Pearson's image in both the local and global community as a leader in environmental issues and corporate responsibility.

Project Summary Table

Category	Project	Location	Environmental Impact	Annual Economic Savings	Status
Lighting	Efficiency upgrade	Cedar Rapids	1,100,000 kWh/year	\$70,000	Implementation in progress
	Occupancy sensors	EM/GS	2,550,000 kWh/year	\$130,000	Recommended
	Night/day setback	Oakdale	22,500 kWh/year	\$1,200	Implementation in progress
HVAC	IT room temperature	Oakdale	Unknown kWh		
Equipment	Office equip. settings	EM/GS	5,400,000 kWh/year	\$230,000	Implementation in progress
	Vending machines	Iowa sites	156,000 kWh/year	\$8,000	Recommended
	Monitor comparison	EM/GS	100 kWh/monitor/year	\$5/monitor	NA
	Air compressor	N. Dodge	50,000 kWh/year	\$2,500	Implementation in progress
Indoor air quality	Guidelines	Iowa sites	Better working environment	NA	Recommended
	No-VOC paint	N. Dodge	20 lbs VOC/year eliminated	NA	Recommended
	Halon replacement	N. Dodge	900 lbs Halon eliminated	NA	Implementation in progress
Water	Irrigation rain sensor	CR, Oakdale	740,000 gallons reduced/year	\$3,000	Implemented
Miscellaneous	Prairie	Cedar Rapids	Less erosion, wildlife habitat	Unknown	More information needed
	Utility programs	Iowa sites	Reduced demand on utility	\$46,000 rebate	More information needed
Future projects	Printing paper	EM/GS	Solid waste reduction	Unknown	More information needed
	Combining equipment	EM/GS	Solid waste reduction		More information needed
	Laptop docking	EM/GS	Electricity usage reduction		More information needed
	Recycle office equip.	EM/GS	Solid waste reduction		More information needed
Totals				\$488,000	