

Project Overview

Industrial Assessment (IA) Team
Intern: Jessica Mohatt
Major: Chemical Engineering
School: Washington University in St. Louis

Summer Projects

The IA team spent the summer providing assistance to a wide variety of businesses within a hundred miles of Lincoln. Industries included steel manufacturing, composites, industrial air filtration, and health care. Assessments addressed issues related to energy efficiency, water conservation, and recycling. Additionally, three reassessments of previous work were completed.

Waste Assessments

Two clients assisted were Veterans Administration (VA) Hospital in Omaha and Industrial Maids LLC. Recommendations for the VA Hospital included replacing existing exit signs with LED units and recycling alkaline batteries. The feasibility of cardboard and pallet recycling was investigated for Industrial Maids LLC.

Results

Suggestions made to both clients would reduce solid waste and energy consumption. Potential savings are shown in Table 1.

Table 1. P2 Opportunities and Benefits

Facility	Waste and Energy Reduction	Savings
VA Hospital	22,630 kWh/yr	\$9,370
	290 lb/yr solid waste	
Industrial Maids LLC	32,500 lb/yr solid waste	-\$1,000