

# POLLUTION PREVENTION SERVICES

Pollution Prevention Services offers confidential, non-regulatory environmental technical assistance at no cost to Iowa business and industry, institutions and governmental agencies using pollution prevention or source reduction strategies. An assortment of assistance opportunities and services are offered to assist clients including:

- Opportunity assessment
- Nationally recognized Pollution Prevention Intern Program
- Environmental Management Systems assistance
- Workshops and educational training



In 2013, 19 top engineering students from various Iowa colleges and universities worked at selected host facilities to analyze waste streams and research alternative processes or technologies to save money while benefiting the environment.

Interns with the Pollution Prevention Intern Program have a very unique opportunity to experience a partnership with academia, industry and government all working together toward a common goal. After one week of training in pollution prevention methodologies, interns help manage projects in Iowa industries. Interns work on-site to identify and implement

## FOR MORE INFORMATION

To learn more about Pollution Prevention Services, go to [www.p2services.com](http://www.p2services.com)

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2013 ASSISTANCE STATISTICS	
Technical assistance on-site requests	266
Assessments	12
Follow-up Assessments	12
Thermal Imaging Assessments	1
Informational/marketing presentations	11
Informational Materials Sent	3,532
Intern Projects	19 (18 12-week & 1 24-week projects)
Workshops/conferences sponsored	2

2001 - 2013 ANNUAL CUMULATIVE IMPLEMENTED SAVINGS		
CATEGORY	REDUCTION	COST SAVINGS
Water Conservation	1,347,180,975 gallons	\$5,971,196
Solid & Special Waste	207,605 tons	\$14,967,643
Hazardous Waste	1,532,075 gallons 838 tons	\$10,223,725 \$559,321
Mercury Abated	42,817 grams	—
Energy	350,482,752 kWh 8,458,155 therms	\$19,880,521 \$6,823,046
Other	—	\$13,362,840
		<b>TOTAL \$71,788,292</b>

cost-effective and environmentally feasible improvements for their host company. Eleven of this year's intern projects were hosted by companies new to the program, while one of the 19 projects was a 24-week internship that ended in November.

A total of two workshops were conducted in 2013 to provide pollution prevention and compliance information to clients from various industrial sectors. These events hosted over 150 attendees and included:

- A two-day Environmental Management Systems (EMS) Implementation/Certification Workshop held with the assistance of EPA. This workshop provided information regarding implementing an EMS, an organizational tool that can help any entity reduce costs and liability while improving market position.
- A one-day workshop that provided compliance information regarding the Reciprocating Internal Combustion Engine (RICE) Rule, Boiler Maximum Achievable Control Technology (MACT) and Stormwater regulations.

# 2013 POLLUTION PREVENTION INTERN PROGRAM BY THE NUMBERS

2013 POLLUTION PREVENTION INTERN PROGRAM IMPLEMENTED SAVINGS		
CATEGORY	REDUCTION	COST SAVINGS
Water Conservation	29,818,107 gallons	\$57,445
Solid Waste	3,787 tons	\$320,901
Hazardous Waste	12 tons	\$31,836
Energy	9,047,357 kWh 540,286 therms	\$356,414 \$112,284
Other	—	\$35,937
		<b>TOTAL \$914,817</b>

2013 DIVERTED TONS OF AIR POLLUTANTS & GREENHOUSE GASES			
CO2	SO2	CH4	N2O
26,505.71	74.97	2,955.86	230.66
CFC	NOx	VOC	PM-10
190.03	40.67	11.07	3.29



2013 POLLUTION PREVENTION INTERN PROGRAM RECOMMENDED SAVINGS (not yet implemented)		
CATEGORY	REDUCTION	COST SAVINGS
Water Conservation	2,691,020 gallons	\$11,092
Solid Waste	15,038 tons	\$535,541
Hazardous Waste	4 tons	\$62,227
Energy	24,966,327 kWh 2,435,991 therms	\$1,161,1774 \$1,037,510
Other	—	\$26,855
		<b>TOTAL \$2,834,402</b>

Funding for the program comes from the Solid Waste tonnage fees including the Solid Waste Alternatives Program and grants from the Environmental Protection Agency and the US Department of Agriculture.