

POLLUTION PREVENTION SERVICES

Pollution Prevention Services offers confidential, non-regulatory environmental technical assistance to Iowa businesses and industries, hospital and college campuses, and governmental agencies using pollution prevention or source reduction strategies. Pollution Prevention Services offers many different assistance opportunities and services to clients including:

- Opportunity assessments
- Nationally recognized Pollution Prevention Intern Program
- Environmental Management Systems assistance
- Workshops
- Technical resource library



In 2015, 18 top engineering students from various colleges worked at selected Iowa host companies to analyze waste streams and research alternative processes or technologies to save money and benefit the environment.

Interns with the Pollution Prevention Intern Program have the unique opportunity to experience a partnership of academia, industry, and government all working together toward a common goal. After one week of training in pollution prevention methodologies, interns manage projects at their

FOR MORE INFORMATION

To learn more about Pollution Prevention Services, go to www.iowap2services.com

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Pollution Prevention Intern Program

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2015 ASSISTANCE STATISTICS

Technical assistance on-site requests	203
Assessments	2
Follow-up Assessments	37
Informational/marketing presentations	2
Informational Materials Sent	1,473
Intern Projects	18
Workshops/conferences sponsored	4

2001 - 2015 ANNUAL CUMULATIVE IMPLEMENTED SAVINGS

CATEGORY	REDUCTION	COST SAVINGS
Water Conservation	1,472,131,703 gallons	\$6,252,550
Solid & Special Waste	219,126 tons	\$16,225,437
Hazardous Waste	8,315 tons	\$13,613,597
Mercury Abated	42,817 grams	—
Energy	377,535,927 kWh 9,975,313 therms	\$21,283,596 \$7,176,792
Other	—	\$13,783,119
TOTAL		\$78,335,091

host company. Interns work on-site to identify and implement cost effective and environmentally feasible improvements for their host company. Two of this year's intern projects were hosted by companies new to the program. Twelve of the interns were on-site at the companies for twelve weeks and six of the projects were addressed over a period of twenty four weeks.

A total of four workshops were conducted in 2015 to provide pollution prevention and compliance information to clients from various industrial sectors. These events included:

- Two workshops provided information regarding solar and wind renewable energy and compliance and reduction/management regarding solid waste management, water regulations, and Resource Conservation & Recovery Act compliance assistance with over 120 participants.
- A workshop provided assistance in understanding Objectives & Targets and developing environmental management programs with 37 participants.
- Iowa DNR partnered with the Iowa Air & Waste Management Assoc. to conduct an Iowa Environmental Conference for 100 participants. This workshop provided compliance assistance information.

2015 POLLUTION PREVENTION INTERN PROGRAM BY THE NUMBERS

2015 POLLUTION PREVENTION INTERN PROGRAM IMPLEMENTED SAVINGS

CATEGORY	REDUCTION	COST SAVINGS
Water Conservation	2,986,123 gallons	\$17,596
Solid Waste	131 tons	\$79,391
Hazardous Waste	56 tons	\$35,657
Energy	5,142,001 kWh 8,374 therms	\$376,600 \$6,548
Other	—	\$145,000
TOTAL		\$651,792

2015 DIVERTED TONS OF AIR POLLUTANTS & GREENHOUSE GASES

CO2	SO2	CH4	N2O	NH3
3,787.14	14.80	198.55	25.40	0.06
CFC	NOx	VOC	PM-10	MTCO2e
32.44	7.33	.37	1.11	4,668.90



2015 POLLUTION PREVENTION INTERN PROGRAM RECOMMENDED SAVINGS (not yet implemented)

CATEGORY	REDUCTION	COST SAVINGS
Water Conservation	1,197,028,870 gallons	\$1,758,702
Solid Waste	23,243 tons	\$1,398,896
Hazardous Waste	0 tons	\$0
Energy	25,213,319 kWh 1,212,705 therms	\$1,951,374 \$445,684
Other	—	\$96,400
TOTAL		\$5,651,056

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.