

# POLLUTION PREVENTION SERVICES

Pollution Prevention Services offers confidential, non-regulatory environmental technical assistance to Iowa business and industry, institutions and governmental agencies applying pollution prevention (P2) or source reduction strategies.

An assortment of services is offered that help clients utilize environmental resources more efficiently, such as:

- Opportunity and focused assessments
- Nationally recognized Pollution Prevention Intern Program
- Environmental management systems assistance
- Workshops
- Technical resource library



In 2016, 10 top engineering students from various universities worked at Iowa host companies to analyze process inefficiencies and research alternative technologies and strategies to improve efficiency, save money, and benefit the environment.

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

## 2016 ASSISTANCE STATISTICS

Technical assistance on-site requests	<b>178</b>
Assessments	<b>1</b>
Follow-up assessments	<b>22</b>
Informational marketing presentations	<b>2</b>
Informational materials distributed	<b>2,283</b>
Intern projects	<b>10</b>
Workshops/conferences sponsored	<b>4</b>

## 2001 - 2016 ANNUAL CUMULATIVE IMPLEMENTED SAVINGS

CATEGORY	REDUCTION	COST SAVINGS
Water Conservation	2,591,571,082 gallons	\$7,488,065
Solid & Special Waste	221,766 tons	\$16,536,873
Hazardous Waste	8,588 tons	\$14,992,365
Mercury Abated	42,817 grams	—
Energy	384,477,487 kWh 9,983,062 therms	\$21,707,252 \$7,278,735
Other	—	\$13,906,545
<b>TOTAL</b>		<b>\$81,909,835</b>

pollution prevention methodologies, interns work on-site to manage projects to identify and implement cost effective and environmentally feasible improvements for their host company. Two host companies were new to the program in 2016. Nine of the interns worked on-site at the companies for 12 weeks and one project was addressed over a period of 24 weeks.

Four workshops were held in 2016 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. More than 125 people attended.
- One workshop offered guidance to more than 30 participants on conducting quality internal audits of environmental management systems.
- The Iowa Air & Waste Management Assoc. and the Department worked together to conduct an Iowa Environmental Conference. This workshop provided compliance assistance information in all environmental media to more than 75 participants.

## FOR MORE INFORMATION

To learn more about Pollution Prevention Services, go to [www.iowap2services.com](http://www.iowap2services.com)

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# 2016 POLLUTION PREVENTION INTERN PROGRAM BY THE NUMBERS

## 2016 POLLUTION PREVENTION INTERN PROGRAM IMPLEMENTED SAVINGS

CATEGORY	REDUCTION	COST SAVINGS
Water Conservation	1,116,012,980 gallons	\$1,215,740
Solid Waste	1,215 tons	\$32,530
Hazardous Waste	0 tons	\$0
Energy	1,207,809 kWh 221,375 therms	\$70,483 \$95,395
Other *	—	\$231,886
<b>TOTAL</b>		<b>\$1,646,034</b>
<b>4,220.23 Metric Tons of CO2 equivalent reduced</b>		

\* Typically inventory and production improvements.



Funding for the program comes from the solid waste tonnage fees including the Solid Waste Alternatives Program and grants from the Environmental Protection Agency.

## 2016 POLLUTION PREVENTION INTERN PROGRAM RECOMMENDED SAVINGS (not yet implemented)

CATEGORY	REDUCTION	COST SAVINGS
Water Conservation	10,949,832 gallons	\$78,719
Solid Waste	3,250 tons	\$37,500
Hazardous Waste	122 tons	\$69,396
Energy	5,905,826 kWh 611,316 therms	\$378,165 \$245,784
Other *	—	\$23,598
<b>TOTAL</b>		<b>\$5,651,056</b>

\* Typically inventory and production improvements.