

Projects and Programs for Measurable Results

Following, is information to help businesses learn more about assessing and implementing new pollution prevention techniques, projects and programs for measurable results.

The Clean Air Indiana Business Challenge

Would your business like to be recognized by IDEM for reducing emissions of volatile organic compounds (VOC), nitrogen oxides (NOx) or both at your facility? The Clean Air Indiana Business Challenge offers businesses a unique opportunity to be rewarded for voluntarily reducing emissions and sharing your measurable reductions.

How to do an Environmental Audit

- **About Environmental Audits:** Environmental audits are reviews of a company's operations and processes for the purpose of assessing compliance with environmental rules and regulations. Environmental audits cover a broad spectrum of business activities and areas, including buildings and building sites; activities and procedures; industrial and commercial developments; and engineering hazard and operabilities studies. They can range from legally-mandated reviews of plant safety or emissions to voluntary inspections of environmental practices.
- **How to get help:** The staff of IDEM's Compliance and Technical Assistance Program (CTAP) is available to conduct an environmental audit at your facility. For more information, please call (800) 988-7901.
- **Online handbook:** The United States Environmental Protection Agency (U.S. EPA) provides an online handbook for conducting an environmental audit, which can be found at www.epa.gov/sbo/pdfs/auditbook_500.pdf.
- **Process Flow Chart:** IDEM has developed a Process Flow Chart to help small businesses identify environmental aspects. Follow the links below to utilize this tool for your company.
 - Instructions for identifying environmental aspects
 - Blank Process Flow Chart for Identifying Environmental Aspects
 - Sample: Completed Process Flow Chart for Identifying Environmental Aspects
 - Significant Aspects Matrix

Environmental Memberships

The following programs are partnerships between IDEM and the regulated community. Several of these programs recognize and reward Indiana entities (businesses and local governments) for working to reduce the environmental impacts associated with their operations while others are for networking and promoting pollution prevention and air quality reduction activities in Indiana. Please read the following summaries to learn more about each of these programs.

- **Environmental Stewardship Program:** The Environmental Stewardship Program (ESP) is a voluntary, performance based leadership program designed to recognize and reward Indiana regulated entities for going above and beyond current environmental regulations. In return for their exemplary environmental performance, these establishments will receive program incentives including regulatory flexibility, public recognition, and networking opportunities. Participating organizations achieve environmental objectives through creating and implementing an environmental management system. Together, the environmental management system and the steward's commitment to continual environmental improvement will increase their efficiency, decrease environmental impacts, and may save the business time, money, and resources. Regulatory flexibility incentives earned by members were designed to provide business value, reduce regulatory oversight, allow a shift in resources from compliance driven to achieving results, and provide the member with increased operational flexibility. To learn more about the Environmental Stewardship Program, please visit <http://www.in.gov/idem/4132.htm>.
- **CLEAN Community Challenge:** The CLEAN Community Challenge (CLEAN) is a voluntary recognition program designed to assist Indiana cities, towns, and counties in establishing and maintaining a system for proactively managing the potential environmental impacts associated with municipal services. This system, called a Quality of Life Plan, can improve operational consistency, increase efficiency and reduce costs. A Quality of Life Plan also improves a municipality's ability to meet compliance requirements and results in improved environmental awareness, involvement, and competency throughout the community. Finally, participants are eligible to receive financial, recognition, and regulatory benefits in return for proactively managing their environmental impacts. To learn more about CLEAN, please visit www.cleancommunities.IN.gov.
- **Partners for Pollution Prevention:** The Indiana Partners for Pollution Prevention is a group of organizations including manufacturers, not for profits, institutions, and government agencies invested in promoting pollution prevention efforts in Indiana. Eligibility is contingent upon taking the partners pledge. The pledge is signed by IDEM's Commissioner and the organization. Participation continues to increase because it is a valuable

networking opportunity for many facilities and there is no fee to join. Many manufacturers have indicated they find value in participating in the partners because it is a positive forum to ask questions and interact with IDEM representatives. To learn more about Partners for Pollution Prevention, please visit www.in.gov/idem/4129.htm.

- **Partners for Clean Air:**

Partners for Clean Air is a coalition of Northwest Indiana and Chicago area businesses, industry, and community groups committed to improving air quality through voluntary actions. Members of the Partners for Clean Air Program develop Air Quality Action Plans. These plans are designed to be implemented on Air Quality Action Days as a way of reducing ozone, PM 2.5 (particulate matter 2.5 μm and smaller), and other harmful pollutants. To learn more about Partners for Clean Air, please visit www.in.gov/idem/4130.htm.

Grant Information

Are you looking to fund your air quality project ideas? The following list of grant opportunities offered by various State and Federal agencies may be useful in beginning your search. Be sure to look through the eligibility information for the specific programs that interest you, as eligibility requirements vary.

- State grants
 - Office of Energy and Defense Development
 - Grants offered by OED: <http://www.in.gov/oed/2376.htm>
 - Grant resources: <http://www.in.gov/oed/2372.htm>
 - State Department of Agriculture
 - Biofuels Grant: <http://www.in.gov/isda/2401.htm>
 - Indiana Department of Transportation
 - Transportation Enhancement Grant: <http://www.in.gov/indot/2988.htm>
 - Indiana Department of Natural Resources
 - Forestland Enhancement Program: <http://www.state.in.us/dnr/forestry/6770.htm>
 - Urban Forest Conservation Grants: <http://www.state.in.us/dnr/forestry/6774.htm>
- Federal grants
 - Community Action for a Renewed Environment <http://www.epa.gov/care/>
 - Database for State Incentives for Renewables and Efficiency (DSIRE) <http://www.dsireusa.org/>
 - Environmental Protection Agency
 - General EPA Funding Opportunities: http://www.epa.gov/ogd/grants/funding_opportunities.htm
 - National Clean Diesel Campaign:

<http://www.epa.gov/otaq/diesel/grantfund.htm>

IDEM Services

The following information describes how IDEM's Office of Pollution Prevention and Technical Assistance is available to assist Indiana businesses understand and meet environmental responsibilities, identify pollution prevention opportunities, and improve overall environmental performance.

- **IDEM Guest Speakers:** IDEM's Office of Pollution Prevention and Technical Assistance has personnel to highlight free confidential technical assistance services. Speakers are available to outline services provided, including pollution prevention opportunity assessments, confidential compliance assistance site visits and recycling technical assistance. IDEM personnel can also promote voluntary programs sponsored by IDEM, including the Environmental Stewardship Program, the CLEAN Community Challenge and the Partners for Pollution Prevention. To request a speaker from the Office of Pollution Prevention and Technical Assistance, please call (800) 988-7901.
- **Compliance and Technical Assistance Program (CTAP):** The Compliance and Technical Assistance Program (CTAP) is a free, confidential compliance assistance program designed to help Hoosier businesses understand and meet their environmental responsibilities. CTAP is a non-regulatory division of the Indiana Department of Environmental Management. CTAP will never issue a violation, fee, or permit and is legally obligated to keep your information confidential.

IDEM stands behind CTAP's guidance by assuring a gravity-based penalty will not be issued against a regulated entity that has sought out, received, and relied upon written confidential compliance assistance provided by CTAP prior to the alleged violation. To contact a CTAP representative, please call (800) 988-7901 or visit <http://www.in.gov/idem/4108.htm>.

- **Pollution Prevention Opportunity Assessments:** In an effort to assist Indiana businesses, IDEM's Office of Pollution Prevention and Technical Assistance is offering free, confidential, on-site pollution prevention opportunity assessments (P2OAs) to Indiana manufacturers. P2OAs can help identify improvements that will not only lead to increased profits, but can also reduce environmental impacts. A P2OA can help identify ways to:
 - reduce operating expenses;
 - use fewer raw materials;
 - conserve energy;
 - reduce wastes and emissions;
 - meet and reduce regulatory requirements;

- improve employee safety; and,
- project a positive company image.

An environmental engineer will visit the facility and assist the facility in identifying opportunities that can reduce pollution, conserve raw materials, and save money. For more information regarding Pollution Prevention Opportunity Assessments, please contact Robert Henry in the Office of Pollution Prevention and Technical Assistance at (317) 232-8188 or visit <http://www.in.gov/idem/5298.htm>.

Online Calculators

There are a multitude of environmental calculators available to determine the environmental impacts of various activities. The following free calculators can assist your organization determine the environmental benefits of environmental improvement activities completed through the Clean Air Indiana Business Challenge, the Clean Air Business Pledge, or any other voluntary effort you may pursue.

- The United States Environmental Protection Agency (U.S. EPA) has a greenhouse gas equivalencies calculator on the agency's Web site. The calculator allows the user to input numbers under two options. Option 1 allows the user to enter gallons of gasoline saved, kilowatt-hours of electricity saved, therms of natural gas saved, and passenger vehicles affected per year. Option 2 allows the user to enter amounts of carbon dioxide, methane, nitrous oxide, perfluorocarbon gases, sulfur hexafluoride, and carbon equivalent to calculate the total carbon dioxide equivalent emissions.
<http://www.epa.gov/cleanenergy/energy-resources/calculator.html>
- The U.S. EPA created a Cash Flow Opportunity Calculator for Energy Star. It is free to download and use. The directions are the second tab of the spreadsheet.
http://www.energystar.gov/ia/business/cfo_calculator.xls
- Energy Star has information on energy management strategies, an assessment matrix, the Energy Star Challenge Toolkit, and a financial values calculator.
https://www.energystar.gov/index.cfm?c=business.bus_index
- The University of Illinois has an energy economics calculator open to the public for use.
<http://smartenergy.arch.uiuc.edu/html/links.html>
- The Massachusetts Institute of Technology (MIT) has a free "Green" Alternatives Wizard. The wizard allows a user to search for green alternatives to chemicals or processes.
<http://web.mit.edu/environment/academic/wizard/greenChemWiz5.html>

- The U.S. Department of Energy has spreadsheet templates and online calculators for lighting, exit signs, commercial and industrial equipment, food service equipment, appliances, plumbing and other tool resources.
http://www1.eere.energy.gov/femp/procurement/eep_eccalculators.html
- The Nebraska Department of Environmental Quality has an online volatile organic compounds (VOC) and hazardous air pollutant (HAP) emissions calculator for paints, solvents, and other evaporative loss products.
<http://www.deq.state.ne.us/Publications/0/29e92d2d552b4d2106256dc1006208fd?OpenDocument>
- The Utah Department of Environmental Quality has online calculation sheets to help small businesses estimate their emissions.
http://www.airquality.utah.gov/Permits/SBAP_Emission_Calculations.htm
- The Center for Clean Products and Clean Technologies has an online Electronics Environmental Benefits Calculator, intended to assist institutional purchasers, including Federal Electronic Challenge program participants, in quantifying the benefits of environmentally sound management of electronic equipment.
<http://eerc.ra.utk.edu/ccpct/eebc/eebc.html>