

Sustainable Strides: Efforts & Open Resources toward Environmental Preservation

Indiana Government Information Day
May 20, 2022

Emily Alford
Indiana University Libraries



Defining Sustainability

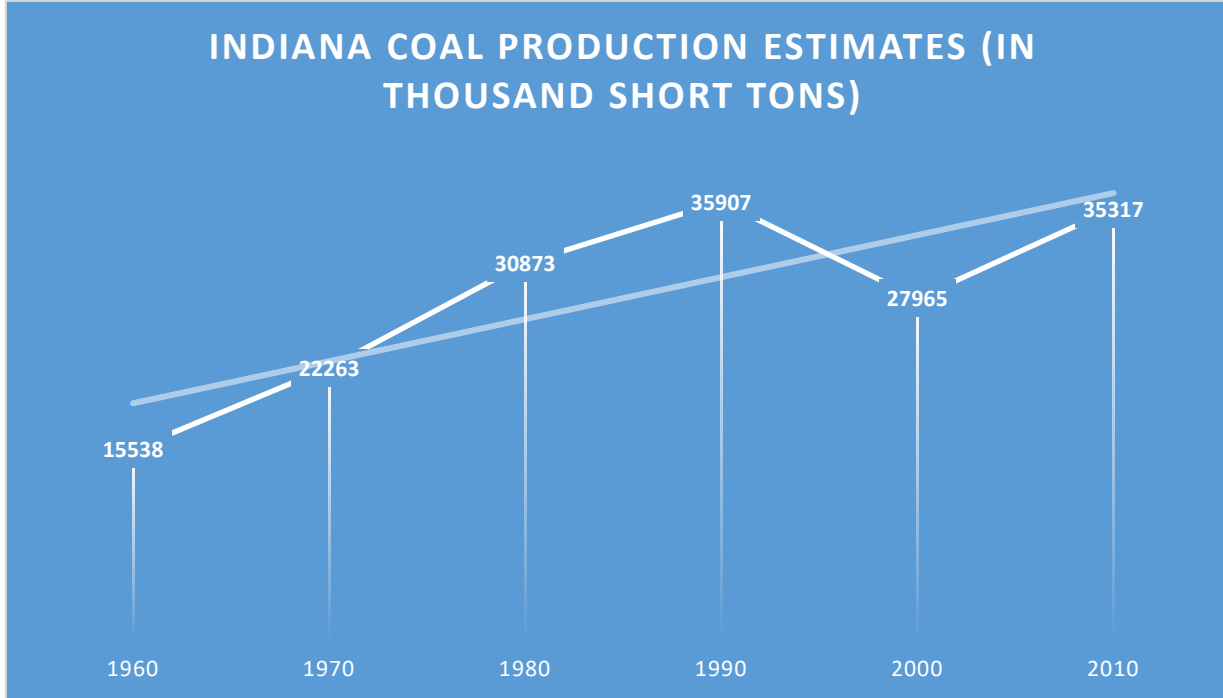
- Social
- Economic
- Environmental

Who and Why?

Everyone.

Everything.

Our friend Coal



Enter Earth Day



Centerville High School students marching in Centerville, Indiana to demonstrate against automobile pollution for Earth Day. April 22, 1970

Rising to the Call



Rising to the Call



Indiana Recycling
Coalition image.
November 2019.

Lasting Efforts



Straughter Body Shop prior to demolition and remediation (left) and after (right). The project was made possible by SEP (Supplemental Environmental Projects) funding. Photos via Meredith Gramelspacher.

Lasting Efforts



Here and Now



Indiana Department of Environmental Management

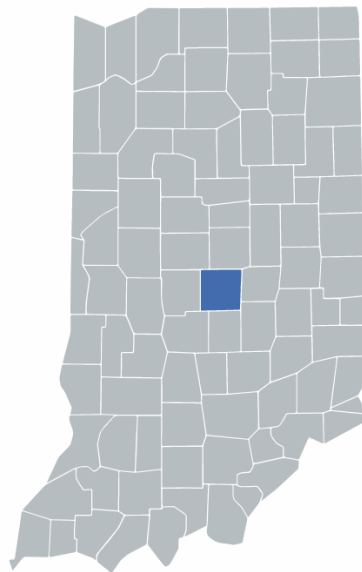


<https://www.in.gov/idem/recycle/resources/indiana-community-recycling-grant-program/>

Interactive Energy Map

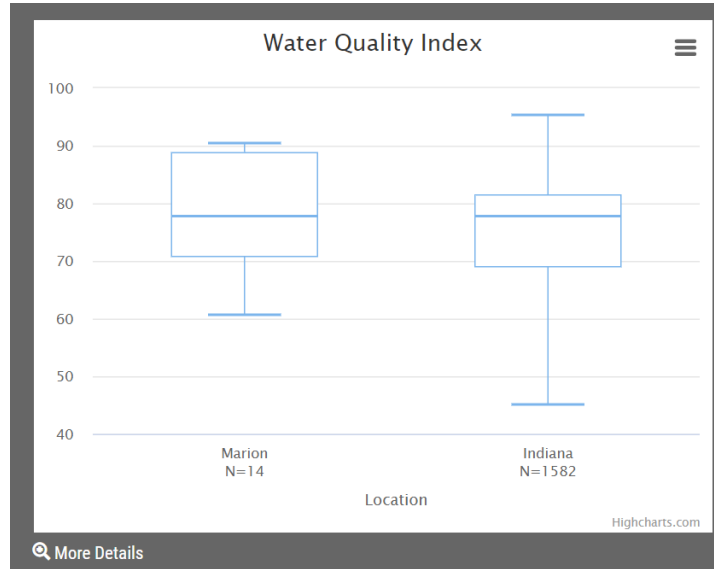
Marion County

Anaerobic Digesters	Solar Farms	EV Charging Stations	Power Plants	Pipelines	Electric Service Territories	Natural Gas Service Territories
<p>9100 Keystone Crossing / Blink Network 407 Lincoln Rd, Suite 704 Miami Beach, FL 33139 (888) 998-2546 http://www.blinkcharging.com/</p> <p>Keystone Shoppes / Blink Network 410 Lincoln Rd, Suite 704 Miami Beach, FL 33139 (888) 998-2549 http://www.blinkcharging.com/</p> <p>Fastpark / ChargePoint Network 255 East Hacienda Ave Campbell, CA 95008 (888) 758-4404 http://www.chargepoint.com/</p> <p>Villaggio EV / ChargePoint Network 266 East Hacienda Ave Campbell, CA 95008</p>						



<https://www.in.gov/oed/indianas-energy-policy/interactive-energy-map/>

Hoosier Riverwatch



<https://www.hoosieriverwatch.com/>

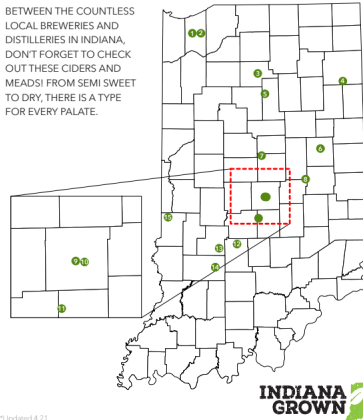
Indiana Grown

Horticulture Guide



INDIANA GROWN CIDER & MEAD TRAIL

BETWEEN THE COUNTLESS LOCAL BREWERIES AND DISTILLERIES IN INDIANA, DON'T FORGET TO CHECK OUT THESE CIDERS AND MEADS! FROM SEMI SWEET TO DRY, THERE IS A TYPE FOR EVERY PALATE.



*Updated 4/21




<https://www.indianagrown.org/>

Pollution Prevention (P2) Resources for Businesses

Indiana Department of Environmental Management
Protecting Indiana and Our Environment Since 1980
Office of Land Quality


Preplanning Considerations

- What could be released?
- Causes – why/where could a spill occur?
- Identifying spill routes
- Interventions
- Preparation




P2 for Business

[Learn More](#)



Partnerships and Recognition Programs

[Learn More](#)



Pollution Prevention Grants

[Learn More](#)

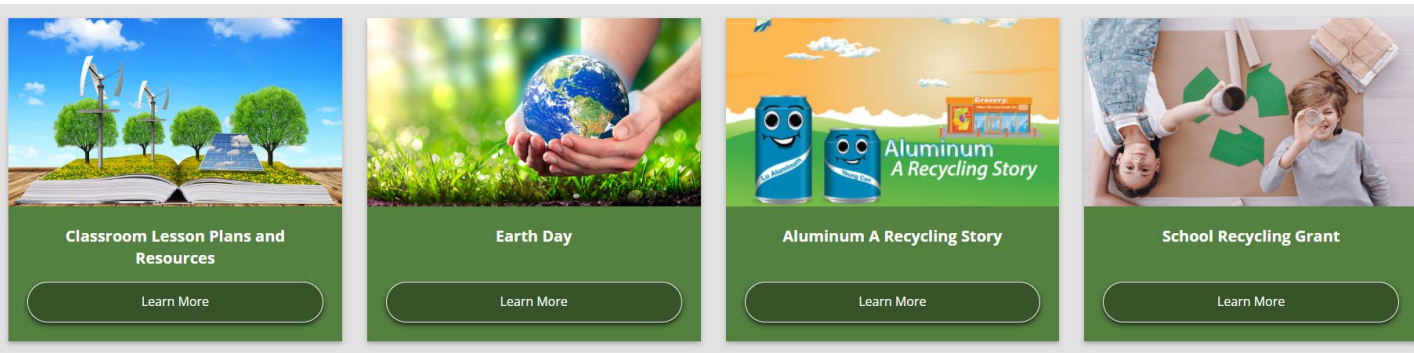
<https://www.in.gov/idem/prevention/>

Clean Manufacturing & Pollution Prevention Opportunity Assessment



[https://www.in.gov/idem/prevention/files/opportunity_
self-assessment.pdf](https://www.in.gov/idem/prevention/files/opportunity_self-assessment.pdf)

Environmental Education



<https://www.in.gov/idem/iee/>

Recycle City



<https://www3.epa.gov/recyclecity>

Reduce, Reuse, Recycle with EPA

Used Electronics and Batteries












- [How to donate and recycle used electronics](#)
- [Used Household Batteries](#)
- [Used Lithium-Ion Batteries](#)

Reducing Wasted Food



- [How to Prevent Wasted Food](#)
- [Donating Food](#)
- [Composting at Home](#)

EPA save energy by recycling	
choose a recyclable	power an appliance
 Aluminum Can	 Air Conditioner
 Glass Bottle	 Hair Dryer
 Plastic Bottle	 Laptop Computer
 Weekly Magazine	 60W Equiv CFL Bulb
 Plastic Grocery Bag	
Share your results	Learn more

<https://www.epa.gov/recycle>

Environmental Dataset Gateway



**Change in Glacier
Surface Area in
Glacier National
Park, 1966–2015**



**Average Rate of
Heat-Related
Hospitalizations in
23 States, 2001-
2010**



**Change in
Unusually Hot and
Cold Temperatures
in the Contiguous
48 States, 1948–
2020**

<https://edg.epa.gov/metadata/catalog>

Energy Saver

Do-It-Yourself Savings Project: Install Exterior Storm Windows with Low-E Coating

Steps for installing exterior storm windows to reduce heat loss through windows.



[Learn more](#)



Every year, Americans purchase millions of batteries to charge everyday items, such as phones, computers, watches, video games, remote controls, smoke detectors, and power tools. The increasing prevalence of internet-connected "smart" products, from kitchen appliances to automobiles, has made us more dependent on a wider variety of battery-powered devices. When a battery reaches the end of its useful life, it is important to recycle it whenever possible. This guide will show you how.

Consumer Guide to Battery Recycling



Batteries are made of various chemical elements, including metals such as mercury, lead, cadmium, nickel, and silver, which can pose a threat to human health and the environment when disposed of improperly. Some batteries may also contain critical minerals (<https://www.usgs.gov/news/national-news-release/interior-releases-2018-final-list-35-minerals-deemed-critical-us>), such as cobalt, lithium, and graphite, that are scarce and difficult to replace. To preserve these materials for other uses, every effort should be made to recycle batteries of all types, sizes, and chemistries.

It is equally important to handle batteries safely, because some batteries can pose health risks if mishandled at the end of their lives. Batteries that appear to be discharged can still contain enough energy to cause injury or start fires. Remember: not all batteries are removable or serviceable by the user. Pay close attention to safety instructions for any battery-powered product and bear in mind that battery types are identified by their labeling, not by the battery's shape or color.



Battery Types



Single-Use



Rechargeable



Automotive

[energy.gov/energysaver](https://www.energy.gov/energysaver) 1

<https://www.energy.gov/energysaver/energy-saver>

NSF's Environmental Research and Education



Forests' ability to regenerate after disturbances depends on seed production

MAY 17, 2022



Extreme winds, topography and vegetation influenced Oregon's devastating 2020 megafires

MAY 5, 2022



Research discovery a pearl of hope for imperiled oyster reefs

APRIL 20, 2022

<https://www.nsf.gov>

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