

## **2022 Envirothon State Problem –**

This year's State Envirothon oral presentation is based on the current issue, **Waste to Resources**. With this topic covering 6 key areas, Indiana Envirothon is asking that your team select one of the following that is in your community and address it as either an upgrade/new use of a current location or the construction of a new facility.

- Landfills & Hazardous Materials
- Reuse, Recycling, & Waste Diversion
- Composting & Food Waste
- Combustion with Energy Recovery
- Human & Animal Waste Treatment
- Brownfields & the Restoration of Degraded Lands

Your proposed project will be based in your community. Identify the site/location where the project will be implemented.

Take into consideration the use of and the impacts on all natural resources including soil, water, aquatic organisms, trees, plants, and wildlife and what your project will bring to the property. Your focus on this property should include:

- Soil Health and Land Use of the property
- Water Sources and Potential Impairment from project on resources & community
- Sustainability of the natural resources listed above
- List Best Management Practices for all resources that will contact your project

Your project must be practical and based on an actual location in your community. Maps and/or photos of the landscape are encouraged to be included with your project as well as speaking with a natural resources professional(s).

Some suggestions for contacting natural resource professionals:

- US Dept of Agriculture (USDA)/Natural Resources Conservation Service (NRCS)
- Soil and Water Conservation District (SWCD) - *every county has one*
- Purdue Cooperative Extension Office - *every county has one*
- Dept of Natural Resources
- Indiana State Department of Agriculture (ISDA)
- City/County Planner/Commission

**Your team is to focus on the project to be presented. You should have a strong understanding of the components of the property you have selected, as well as the technology being used. The judges may ask you questions concerning specific natural resources present/available (soil/land use, aquatic ecology, forestry, wildlife) and how they are being enhanced by your plan.**

**Your Project should include** these 8 key items:

1. History of property/facility
2. Vision of the plan for this location
3. Prioritization of plan/timeline
4. Goals and Objectives of the plan
5. Monitoring of plan
6. Activities of the plan (who, what, where, when, why)
7. Things to consider
  - i. Practicality
  - ii. Expenses/Funding
  - iii. Social/Cultural impacts
8. Resource page
  - i. Listing of natural resources professionals contacted and comments (highly recommended)
  - ii. Additional resources used in plan preparation
  - iii. Listing of the team members

**Resources to consider** –

Your local Natural Resource Professionals  
USDA/NRCS/SWCD  
County Extension Office  
Department of Natural Resources (DNR)  
State/National Forests  
Indiana State Department of Agriculture  
Parks Department  
City/County Planner/Commission  
Local Solid Waste Management District or Recycling Facility  
Local Sanitary District or Department of Public Works  
Indiana Department of Environmental Management (IDEM)  
City or County GIS/Planning and Zoning/Engineering Departments

- Web Soil Survey link
  - <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>
- Learning objectives of the 2022 NCF Envirothon Current Issue
  - [https://envirothon.org/wp-content/uploads/2021/09/2022NCFE-Ohio\\_CurrentIssue-9.16.21.pdf](https://envirothon.org/wp-content/uploads/2021/09/2022NCFE-Ohio_CurrentIssue-9.16.21.pdf)

**PRESENTATION GUIDELINES WILL BE AVAILABLE SOON**