

Envirothon Current Issue 2024

“Renewable Energy for a Sustainable Future”

updated 12/1/23

Resources:

- Planet Money Podcast – Green Energy Gridlock
 - <https://www.npr.org/2023/05/16/1176462647/green-energy-transmission-queue-p-over-grid-wind-solar>
- International Renewable Energy Agency – Explore the website, there is good information about all aspects of renewable energy.
 - <https://www.irena.org/>
 - Renewable Technologies - <https://www.irena.org/Energy-Transition/Technology>

Considerations for renewable energy implementation: (please use the [NCF Envirothon Current Issue Study Guide](#))

- Green jobs
- Connecting to grid
- Working with energy providers to determine costs and savings.
- Wildlife impacts
 - Flight path for migratory birds
 - Waterfowl nesting avoidance?
 - Habitat avoidance? - deer
 - Animal strikes
 - Bats, birds
- Land steward considerations
 - Noise from the infrastructure
 - Aesthetics
 - Incorporation into land operation, ranching, farming, hunting, conservation, etc.
- The use of technology to produce an energy efficient system.
- Energy storage
- Backup systems
- The Inflation Reduction Act
 - <https://home.treasury.gov/news/press-releases/jy1830#:~:text=The%20Inflation%20Reduction%20Act%20modifies,proportion%20of%20qualified%20apprentices%20from>
- Agrivoltaics Explained - <https://youtu.be/lgZBID-TCFE?si=Ttdlz9mI3YJ2nRc8>