

GIS Datasets Specific to the US (These do not include VENTYX, PLATTS or HSIP data.)

- I. Boundary Files
 - a. Political
 - i. States
 - ii. Counties
 - iii. Congressional Districts
 - iv. State Legislative Districts
 - b. Infrastructure/Utility
 - i. EPA eGrid Regions
 - ii. TMY3 Boundaries
 - iii. ReEDS Regions
 - iv. PCA Regions
 - v. Interconnects
 - c. Federal Lands
 - i. National Parks/Monuments
 - ii. National Forests/Grasslands
 - iii. BLM
 - iv. Military
 - v. Indian Reservations
 - d. Parks
 - i. National
 - ii. State
 - iii. City/County/Local
 - iv. Recreation Areas
 - e. Census Data
 - i. Urban Areas
 - ii. City Boundaries
 - iii. Metropolitan/Micropolitan Statistical Areas
 - iv. Census Tracts/Blocks/Population
 - v. Area Code
 - vi. Zip Code
 - vii. Uninhabited places
 - f. Infrastructure
 - i. Cemeteries
 - ii. Churches
 - iii. Golf Courses
 - iv. Hospitals
 - v. Schools
 - vi. Airports
 - vii. Public buildings
 - viii. Gas stations (incomplete, not regularly updated)

- ix. Roadways (interstate to minor streets/ferry routes)
- x. Railroads
- xi. Bus Stations
- xii. Utility boundaries
- xiii. NERC regions
- g. Natural Geographic Features
 - i. Mountain peaks
 - ii. Valleys
 - iii. Harbors
 - iv. Historic Earthquakes
 - v. Volcanoes
 - vi. Rivers/streams/lakes/swamps/reservoirs/coastal waterways
 - vii. Elevation
 - viii. Bathymetry
 - ix. Soils
 - x. Ambient air temperature
- h. Renewable Energy Resources
 - i. Potential carbon sequestration areas
 - ii. Biomass
 - 1. By county
 - 2. Sub county
 - 3. Biodiesel facilities
 - 4. Power Plants
 - 5. Ethanol Plants
 - 6. Pulp mills
 - 7. Irrigated lands
 - 8. Biomethane
 - a. Anaerobic digester gas facilities
 - b. Dairy farms
 - c. Sewage Treatment Plants
 - d. Landfills
 - iii. Geothermal
 - 1. Hydrothermal wells
 - 2. EGS potential
 - 3. Temperature at depth
 - iv. Hydrogen
 - 1. Generation
 - a. Biomass
 - b. Coal
 - c. Gas
 - d. Solar
 - e. Wind

- f. All renewable sources
 - 2. Refueling facilities
 - v. Ethanol
 - 1. Refueling facilities
 - vi. Solar
 - 1. NSRDB/TMY Sites
 - 2. Latitude Tilt (PV)
 - 3. Direct Normal (CSP)
 - 4. Global Horizontal
 - 5. EW 1-axis tracker
 - 6. Solar Vent Preheat
 - vii. Wind
 - 1. 50 m Wind Power Density/Class
 - 2. Onshore/Offshore
 - viii. Other
 - 1. Ammonia producers
 - 2. Ethylene producers
 - 3. Merchant Hydrogen producers
 - 4. Refinery Hydrogen producers
 - i. Fossil Fuel Data
 - i. Coal seams
 - ii. Carbon dioxide emission point sources
 - j. Land Use/Cover
 - i. Urban areas
 - ii. Agriculture/Forest/Desert/etc.
 - iii. Canopy Cover
 - iv. Impervious Surfaces

GIS Tools

- I. IMBY**
- II. PVWatts**
- III. Geospatial Toolkits**
- IV. Biopower Tool**
- V. Solar Power Prospector**