

# Term Project Data Links

Tuesday, February 20, 2024 11:22 AM

- Data sources:
  - GIS Data
    - StoryMap:
      - The Prediction Of Worldwide Energy Resources (POWER) Project
        - <https://storymaps.arcgis.com/stories/52116d331ff64e468fe9351fc1c76423>
    - Living atlas
      - Utilities/Infrastructure
        - US Power Plants
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=b063316fac7345dba4bae96eaa813b2f>
        - Renewable Energy Power Plants
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=71bec67acfdb49b0aeb6019736739dca>
        - U.S. Electric Power Transmission Lines
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=d4090758322c4d32a4cd002ffaa0aa12>
      - Solar
        - Global Solar Atlas
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=debfb9824d04bfabedc0216ed74b687>
        - Untapped Solar Potential
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=56f91702feaf417d955a7948b68af5fa>
        - Global Solar Atlas - Horizontal and Tilted Irradiations
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=f589564ae8d64ecba49bf2b486cfebfcd>
        - Global Solar Atlas - PV Electricity Output
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=a1d765ba08b543c5a0ecacf24ae7ff15>
        - Solar Infrastructure in the US
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=45cdf0f5dcd243aebb16f84460077f7e>
        - POWER Monthly Radiation
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=f8b59c55f66c47bba486354a122a5489>
        - POWER Annual Radiation
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=2999e67c0c2c494e9c12cef4ca5cccc5>
        - POWER Data Access Viewer
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=db2adab099f246f6b4d4c113f2a5ea09>
      - Wind
        - Current Weather and Wind Station Data
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=cb1886ff0a9d4156ba4d2fadd7e8a139#>
        - National Weather Service Wind Forecast
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=33820e818ebc4661b01bcd47e5f2a57e>
        - National Weather Service Wind Gust Forecast
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=0bf37bd236e848cf8b4a6dc5b162c11a>
        - National Weather Service Wind Speed Forecast
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=47ed83c3b4f943118e848fbfc33d119e>
        - USA Average Wind Speed (elevation 10-m to 200-m)
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=d0b6087a2c674fd99857e7101597a2a7>
      - River
        - Major Rivers of the United States as Lines
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=a421d5b52b2041a1bd9305cde193a470>
        - National Water Model Maximum Flow (Hourly Forecast)
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=28dbd58ad90e4a47ab0e0334d2b69427>
        - National Water Model Maximum Flow (10 Day Forecast)
          - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=50500544fa934eb582b7701217c2e6fa>

- Global Stream Flow Web Map
    - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=fcc7fd564c6441fba3b310d2281173b7>
  - Hydro Flow Metrics Percent Change 2040
    - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=659778dd71474e4b96411cac6b382252>
- Weather
- DEM
- Land Use/Land Cover
  - Sentinel-2 10m Land Use/Land Cover Time Series
    - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=cfc7609de5f478eb7666240902d4d3d>
  - Global Land Cover 1992-2020
    - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=1453082255024699af55c960bc3dc1fe>
  - Sentinel-2 10-Meter Land Use/Land Cover Time Series (2)
    - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=739b8a9dcf4246d3af7197878b7ec052>
  - USA NLCD Land Cover
    - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=3ccf118ed80748909eb85c6d262b426f>
  - Land Cover 2050 - Country
    - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=afeaa714dd8b4553bc92898002abf145>
- Machine Learning
  - Solar Panel Detection - USA
    - ◆ <https://montclair.maps.arcgis.com/home/item.html?id=c2508d72f2614104bfcfd5ccf1429284>