2. Project Resources

2.1 Group Members

1. Joseph Chica
2. Duy Minh Pham
3. Willis Reid
4. Colin McNeil

2.2 Data

Identify data source

1. “US Energy Information Administration - March 2021 Monthly Energy Review”

‘Energy Consumption by Sector’

Records the:

1. Primary Energy Consumed by the Residential Sector (Trillion Btu)
2. Total Energy Consumed by the Residential Sector (Trillion Btu)
3. Primary Energy Consumed by the Commercial Sector (Trillion Btu)
4. Total Energy Consumed by the Commercial Sector (Trillion Btu)
5. Primary Energy Consumed by the Industrial Sector (Trillion Btu)
6. Total Energy Consumed by the Industrial Sector (Trillion Btu)
7. Primary Energy Consumed by the Transportation Sector (Trillion Btu)
8. Total Energy Consumed by the Transportation Sector (Trillion Btu)
9. Primary Energy Consumed by the Electric Power Sector (Trillion Btu)
10. Energy Consumption Balancing Item
11. Primary Energy Consumption Total

From January 1973 to December 2020.

2. “US Energy Information Administration - March 2021 Monthly Energy Review”

‘Primary Energy Overview’

Records the monthly and annual:

1. Total Fossil Fuels Production (Quadrillion Btu)
2. Nuclear Electric Power Production (Quadrillion Btu)
3. Total Renewable Energy Production (Quadrillion Btu)
4. Total Primary Energy Production (Quadrillion Btu)
5. Primary Energy Imports (Quadrillion Btu)
6. Primary Energy Exports (Quadrillion Btu)
7. Primary Energy Net Imports (Quadrillion Btu)
8. Primary Energy Stock Change and Other (Quadrillion Btu)
9. Total Fossil Fuels Consumption (Quadrillion Btu)
10. Nuclear Electric Power Consumption (Quadrillion Btu)
11. Total Renewable Energy Consumption (Quadrillion Btu)
12. Total Primary Energy Consumption (Quadrillion Btu)

Monthly from January 1973 to December 2020

Annually from 1949 to 2020

3. “US Energy Information Administration - Annual Energy Review”

‘State-level Energy Consumption, Expenditure, and Price Estimates, 2010’

Ranks each state by:

1. Energy consumption (Trillion Btu)
2. Energy consumption per capita (Million Btu)
3. Energy expenditures (Million $)
4. Energy expenditures per capita ($)
5. Energy prices ($ per million btu)

In 2010.

2.3 Hardware and Software Resources

Indicate the anticipated software and hardware resources required to complete the project.

We will need good internet connections, GitHub, Python/HTML IDEs, Discord, and it looks like we’ll be using our personal computers for hardware.

2.4 Special Resources

List any special resources needed to complete the project.

It doesn’t seem like we need any “special” resources.