



Google Cloud



HPC in the City: *St. Louis* HACKATHON



Can we do better?
**Exploring MO State
Electric Power Sector**

Project Name (Can we do better? Exploring MO State Electric Power Sector)

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- Describe how the State of Missouri is situated compared to similar states in relation to the Electric power sector consumption by source
- Balancing load, Cost saving?
Increasing the usage of Green energy?
- Visualization, ML
- Python, R



Electric power sector consumption by source

780.1 trillion British thermal units
(percent of total for all sources)



Coal

566.1
(72.6%)



**Natural
gas**

69.8
(8.9%)



Petroleum

1.2
(0.2%)



**Renewable
energy**

47.0
(6.0%)



**Nuclear
power**

96.0
(12.3%)

Electricity flows

trillion British thermal units



**Net interstate inflow
electricity**

51.4

**Net international in
electricity**

0.0

Source: US Energy Information Administration
<https://www.eia.gov/opendata/widgets.php>