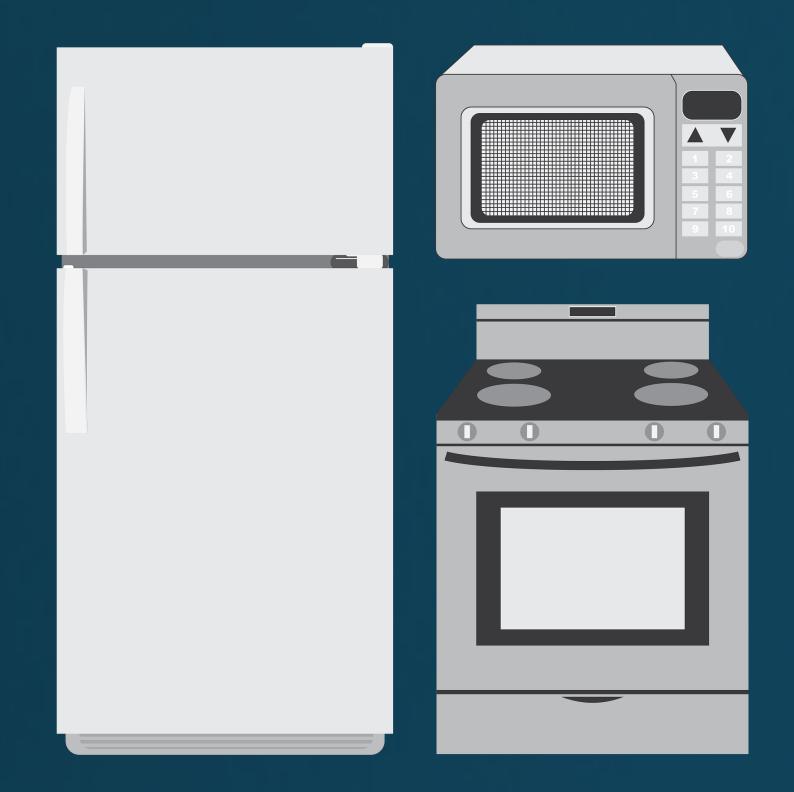
## Python for Energy Policy Research

## Anna Liao

Encourage fellow Pythonistas to apply their ninja skills to influence large scale improvements in energy consumption patterns.



Appliance standards



Smart home for energy efficiency



Modernize the grid



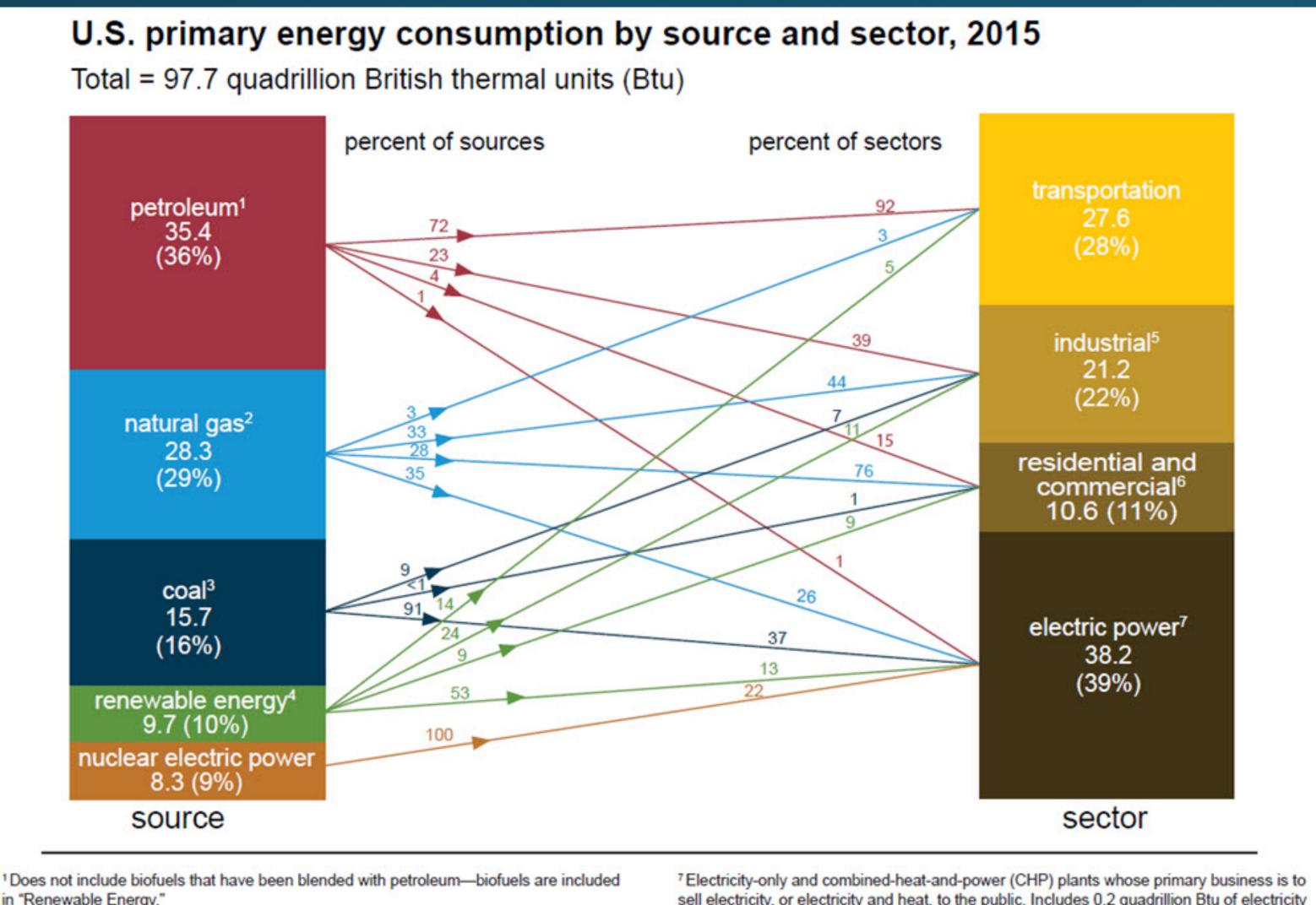
Electric Vehicles



Solar Panels

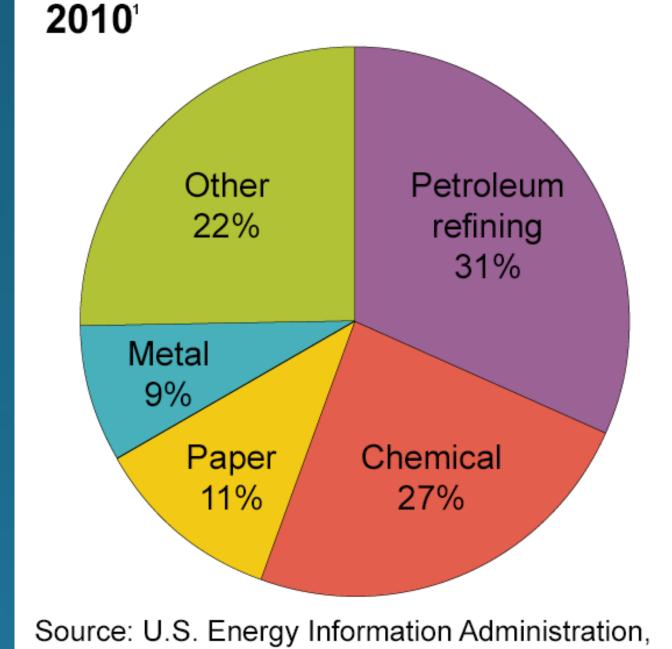


Advanced windows



- in "Renewable Energy."
- <sup>2</sup>Excludes supplemental gaseous fuels. 3 Includes less than -0.02 quadrillion Btu of coal coke net imports.
- <sup>4</sup> Conventional hydroelectric power, geothermal, solar/photovoltaic, wind, and biomass.
  <sup>5</sup> Includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. <sup>6</sup> Includes commercial combined-heat-and-power (CHP) and commercial electricity-only
- sell electricity, or electricity and heat, to the public. Includes 0.2 quadrillion Btu of electricity net imports not shown under "Source." Notes: Primary energy in the form that it is first accounted for in a statistical energy balance,
- used to generate electricity). Sum of components may not equal total due to independent Sources: U.S. Energy Information Administration, Monthly Energy Review (April 2016), Tables 1.3, 2.1-2.6.

before any transformation to secondary or tertiary forms of energy (for example, coal is



Energy use by type of industry,

Manufacturing Energy Consumption Survey 2010, Table 1.2 (March 2013)

Includes all use of energy and fuels; excludes shipments of energy sources produced onsite.

