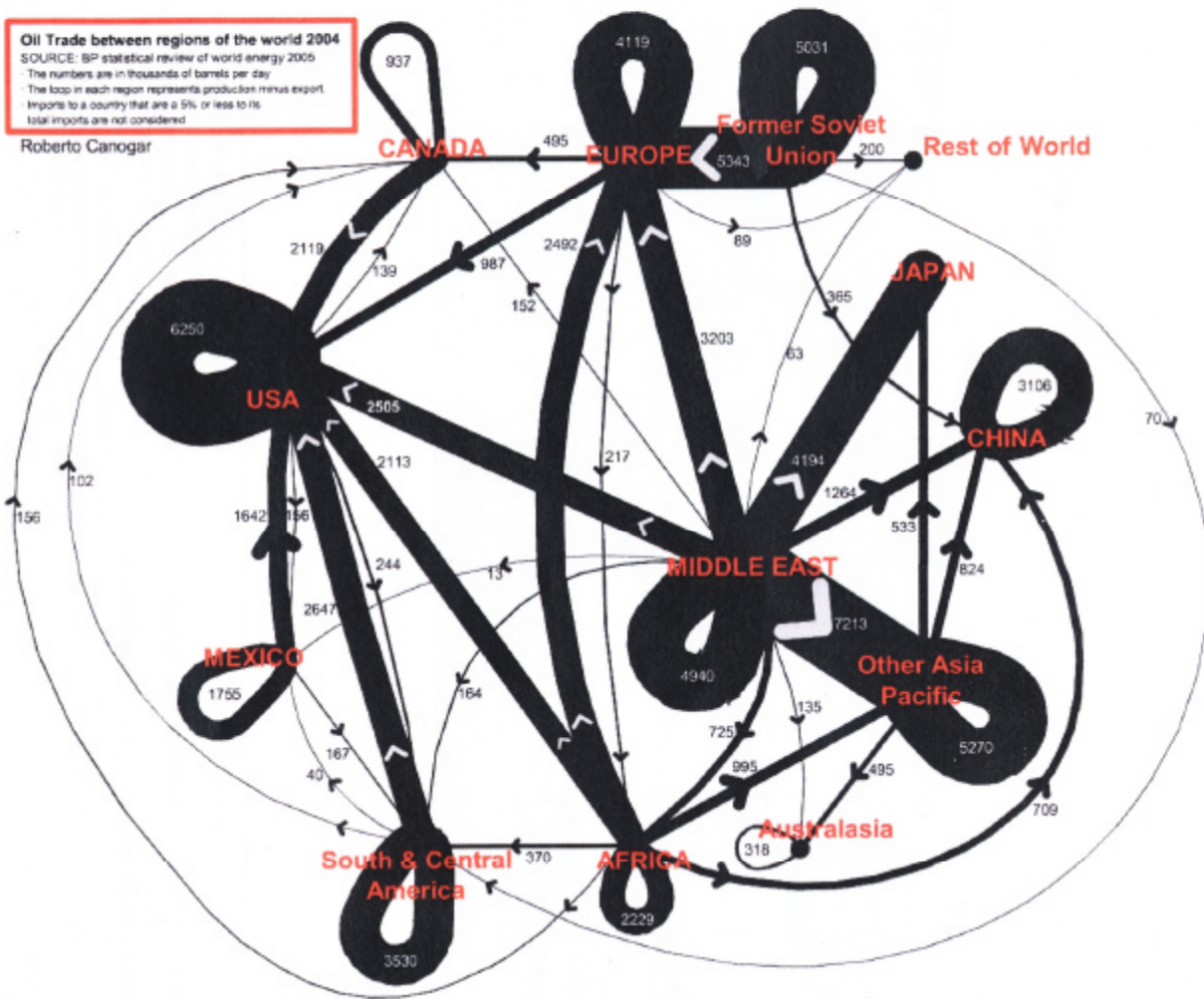


# ECOLOGICAL FOOTPRINT: TRACING THE STEPS OF NORTH AMERICAN ENERGY CONSUMPTION

Presented By  
Eric Olson

University of Wisconsin – Stevens Point College of Natural Resources



Further Resources:  
 Calculate your ecological footprint:  
<http://www.myfootprint.org/>

Global Footprint Network: Data sources, explanations, maps and more  
<http://www.footprintnetwork.org/index.php>

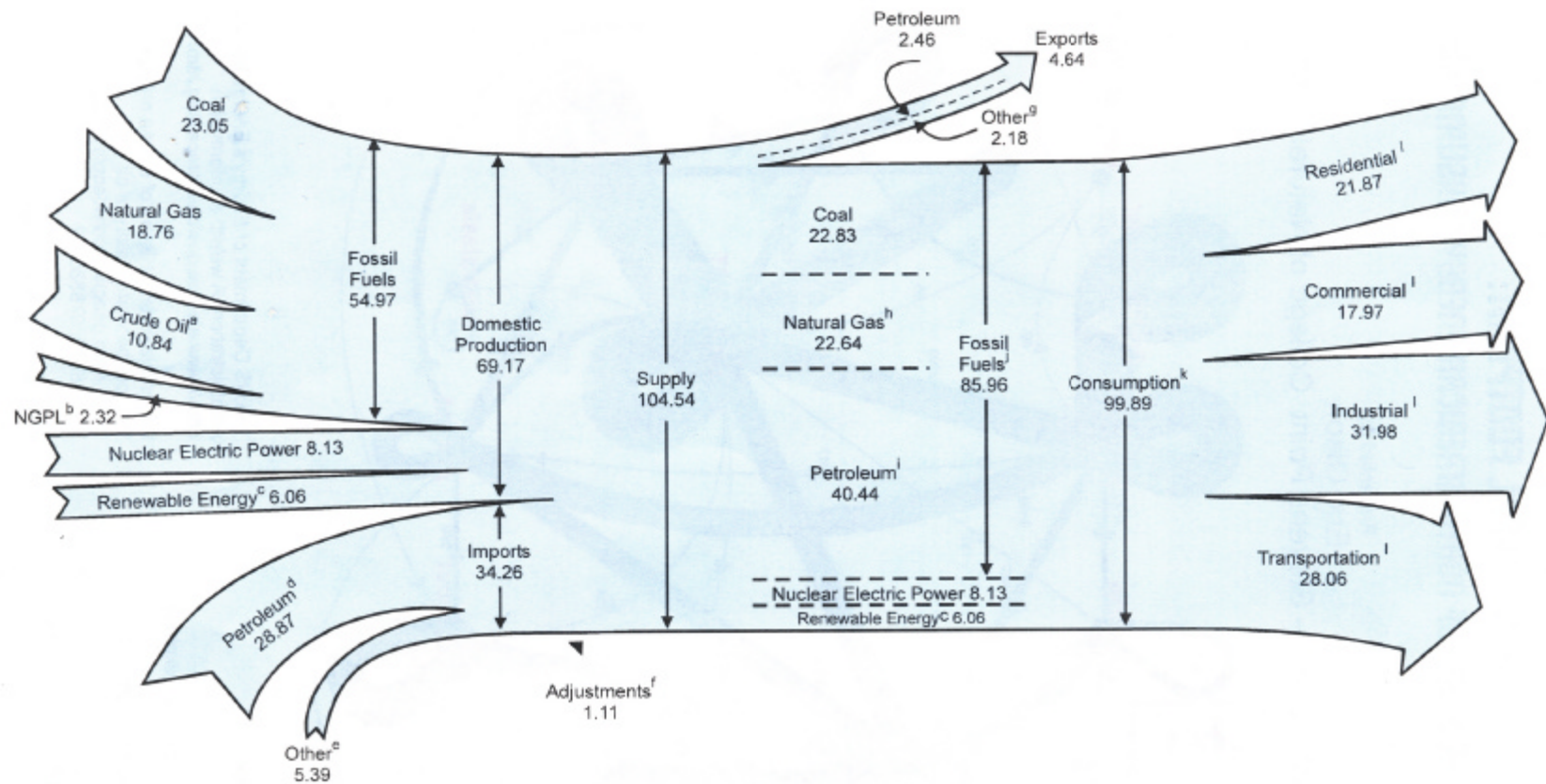
National Geographic feature on peak oil  
<http://magma.nationalgeographic.com/ngm/0406/feature5/index.html>

The US Department of Energy's Energy Information Administration: A wealth of information  
<http://www.eia.doe.gov/oiaf/forecasting.html>

Robert Newman's History of Oil: An entertaining ride through the world history of oil  
<http://video.google.com/videoplay?docid=7374585792978336967>

Eric Olson [eolson@uwsp.edu](mailto:eolson@uwsp.edu)

**Diagram 1. Energy Flow, 2005**  
(Quadrillion Btu)



<sup>a</sup> Includes lease condensate.  
<sup>b</sup> Natural gas plant liquids.  
<sup>c</sup> Conventional hydroelectric power, wood, waste, ethanol blended into motor gasoline, geothermal, solar, and wind.  
<sup>d</sup> Crude oil and petroleum products. Includes imports into the Strategic Petroleum Reserve.  
<sup>e</sup> Natural gas, coal, coal coke, and electricity.  
<sup>f</sup> Stock changes, losses, gains, miscellaneous blending components, and unaccounted-for supply.  
<sup>g</sup> Coal, natural gas, coal coke, and electricity.  
<sup>h</sup> Includes supplemental gaseous fuels.

<sup>i</sup> Petroleum products, including natural gas plant liquids.  
<sup>j</sup> Includes 0.04 quadrillion Btu of coal coke net imports.  
<sup>k</sup> Includes, in quadrillion Btu, 0.34 ethanol blended into motor gasoline, which is accounted for in both fossil fuels and renewable energy but counted only once in total consumption; and 0.08 electricity net imports.  
<sup>l</sup> Primary consumption, electricity retail sales, and electrical system energy losses, which are allocated to the end-use sectors in proportion to each sector's share of total electricity retail sales. See Note, "Electrical Systems Energy Losses," at end of Section 2.  
 Notes: • Data are preliminary. • Values are derived from source data prior to rounding for publication. • Totals may not equal sum of components due to independent rounding.  
 Sources: Tables 1.1, 1.2, 1.3, 1.4, and 2.1a.