Energy Information: Maps & Data to use with GIS
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Need help with GIS software or data? Contact gishelp@mit.edu
GIS lab assistance hours: http://libguides.mit.edu/gis
GIS IAP workshops: http://student.mit.edu/iap/ns117.html

Energy Map Sources

Paper maps:
Search MIT Geodata Repository (http://web.mit.edu/geoweb) or Barton (http://libraries.mit.edu)
- Platts in Rotch Library (7-238)
- Petroleum Economist in Dewey Library (E53-100)
- USGS in Hayden Library (14S-134)

Maps online:
- Department of Energy (DOE) Data Explorer: http://www.osti.gov/dataexplorer/
  - National Carbon Sequestration Database & GIS (funded by DOE) http://www.natcarbviewer.com

Energy Data Sources

Data at MIT: MIT Geodata Repository http://web.mit.edu/geoweb or Barton (http://libraries.mit.edu)
- Data on electric, gas, coal, power plants & more for North America & Europe

Data on the web:
  - Contains pipelines, power lines and substations for the State of Massachusetts.
- Department of Energy Data Explorer http://www.osti.gov/dataexplorer
  - National Renewable Energy Laboratory http://www.nrel.gov/gis
  - Open Energy Info http://en.openei.org

Consumer expenditures:
Use this software (available in the MIT GIS lab)
- Geolytics Estimates Premium
- ESRI’s Business Analyst

To find household expenditures related to:
- Utilities, fuels, and public services
- Electricity
- Natural gas, fuel oil and other fuels
- Telephone
- Water and other public services
- Transportation expenditures (gasoline and motor oil)
- Public transportation expenditures
Demographic information
Packages available in the MIT GIS Lab for easy mapping of demographic information:

- Geolytics
  - US Demographics from 1960-2000; 2010 coming soon
  - Data normalized to 2000 boundaries – helpful for comparing change over time
- ESRI’s Business Analyst
  - Information about retail establishments; consumer spending

Online sources of demographics

- MIT Libraries guide to US Census
- US Census Bureau website [http://www.census.gov](http://www.census.gov)
- Social Explorer [http://libraries.mit.edu/get/explorer](http://libraries.mit.edu/get/explorer)
  - US demographics from 1790 – present

Find examples of how others have done what you’re thinking about doing

Case studies and resources listed by ESRI [http://www.esri.com/industries](http://www.esri.com/industries)
Resources for studying industries, including electric, gas, mining, petroleum & renewable energy

China Data Online [http://libraries.mit.edu/get/chinadata](http://libraries.mit.edu/get/chinadata)
Statistics and reports on China's population, economy, and industries at the national, provincial, city, county, and industrial levels, including Census data.

Desal Data [http://libraries.mit.edu/get/desaldata](http://libraries.mit.edu/get/desaldata)
Desalination plant listings, incorporating the IDA Inventory, market analysis and economic forecasting from Global Water Intelligence.

MIT Libraries’ Research Guides
- Energy: [http://libguides.mit.edu/energy](http://libguides.mit.edu/energy)
- GIS, Maps, and Mapping - [http://libguides.mit.edu/gis](http://libguides.mit.edu/gis)
- Social Science Data Services: [http://libguides.mit.edu/guides/subjects/data](http://libguides.mit.edu/guides/subjects/data)
  - provides assistance with finding, understanding, and managing statistics or numeric or tabular data in the social sciences, management, and related areas.