EGAS 5.0 Data Set Customization Memorandum

EGAS 5.0 Beta allows users to:
- customize the default economic activity datasets contained within it and
- import economic activity datasets from other sources

This allows users to base the growth factors they generate on data other than the default data preinstalled in EGAS 5.0. For example, States and Regions may have more refined information about the primary sectors in their areas. These data can be used to replace the data in EGAS 5.0 to improve the emissions growth factors produced.

The economic activity data used by EGAS 5.0 must be provided in the same format as the default economic activity data sets contained within it. These data are from:

- Regional Economic Models Incorporated (REMI) Policy Insight Model, Version 5.5 - a 53 sector, 50 State + DC model;
- Department of Energy's Annual Energy Outlook (2004);
- MOBILE 4.1 Fuel Consumption Model (VMT); and
- Data set related to Structure Fires

To assist users in the process of customizing data sets, all of the variables included in EGAS 5.0 Beta and their units of measure are indicated below:

From REMI's Policy Insight:
Consumption – Billions of Fixed 1996$
Employment – Thousands of people
Value Added – Billions of Fixed 1996$
Government Value Added – Billions of Fixed 1996$
Real Personal Income – Billions of Fixed 1996$?
Real Disposable Personal Income - Billions of Fixed 1996$?

From DOE's Annual Energy Outlook:
Refined Industrial Energy Consumption (National level) – Trillions of Btu
Energy Consumption by Sector and Source (Census division level) – Quadrillions of Btu per year

From MOBILE 4.1 Fuel Consumption Model:
VMT – Billions of Miles per year

From data related to Structure Fires:
Structure Fires – Number of Structure Fires per 10,000 Housing Units

Instructions for editing existing datasets and importing new datasets into EGAS 5.0 Beta can be found in the brief user's manual that is available for download along with the EGAS tool at http://www.epa.gov/ttn/ecas/egas5.htm