

EGAS Version 5.0 Beta Limitations

November 2004

The Beta Version of EGAS 5.0 has greatly improved upon the previous version of EGAS. A simple graphical user interface, increased transparency of methodology and operation, and user flexibility are all features of this newly revised tool. However, as this is a beta version of the model, a few significant limitations exist. Plans to remedy these limitations have already been developed and are currently underway. This document is to notify users of EGAS 5.0 Beta of the limitations so they may be informed.

- 1) The list of SCCs for which growth factors can be generated has been revised. Some retired SCCs have been removed and new ones have been added. There are approximately 1,000 pseudo SCCs that are under consideration as additions to the SCC crosswalk. These SCCs are referred to as “pseudo” because they are not included on an official EPA list. Some of these do not have the correct number of digits or they include an ‘X’ in the middle of the code. Nevertheless, EPA staff and others have used these SCCs we are determining whether these SCCs should be included in an updated release of EGAS 5.0
- 2) Growth factors related to VMT and Structure Fires are based on regression analyses which rely either on: growth factors from previous years or variable values which vary by year. The current programming of EGAS 5.0 Beta does not support regressions of this nature, but will do so in the future.

To remedy the VMT growth factor problem, the regressions have been calculated offline based on the default economic activity datasets available in EGAS 5.0. It is important to note that if custom datasets are used or the default datasets are edited (e.g., new population data or VMT data are incorporated), these growth factors will not be affected and will instead rely on the offline calculated data.

To remedy the structure fires growth factor problem, the regressions will not be used and instead these growth factors will be based upon default economic activity data from REMI for housing units.