

Appendix F. Data and Methodology Changes

Tables and data files in the State Energy Data System (SEDS) supply a new year of data each production cycle. The latest data may be preliminary and, therefore, revised the following cycle. Changes made to consumption and price source data for historical years are also regularly incorporated into SEDS.

Listed below are changes in SEDS contents beyond the standard updates.

Petroleum

Aviation gasoline

Beginning in 2015, a new method is used to estimate state-level aviation gasoline consumption. State allocators are developed using EIA's prime supplier sales volumes and information on Alaska and Hawaii from the Alaska Department of Revenue and Federal Aviation Administration, respectively.

Hydrocarbon gas liquids (HGL)

Beginning in 2010, a new method is used to estimate state-level ethane consumption, causing a revision in total HGL consumption and expenditures. Unpublished ethane plant capacity data in Louisiana is revised and the remainder is allocated to Texas.

Still gas

EIA has revised the heat content of still gas from 2016 forward. The factor to convert still gas consumption from barrels to British thermal units (Btu) is assumed to be 6.287 million Btu per barrel.

Renewable energy

Biodiesel

Biodiesel consumption estimates by state are available for 2001 forward. For 2011 forward, total biodiesel consumption by state is estimated using (1) reported data for specific states, (2) assumptions based on biodiesel blend ratio mandates for selected states, and (3) distillate fuel oil shares among the remaining states in the same Petroleum Administration for Defense District (PADD). For 2001 through 2010, the state estimates are calculated using the 2011 state consumption shares. Although there is biodiesel use in other sectors, all biodiesel consumption is assigned to the transportation sector.

Key statistics and indicators

A new section is added to the [SEDS Complete webpage](#), including new data series, current year PDF and HTML rankings tables, and full time series Excel data files.

New consumption data series include: petroleum consumption per capita, natural gas consumption per capita, total electricity retail sales per capita, and residential electricity retail sales per capita.

New current year rankings tables and accompanying full time series Excel data files on consumption include: renewable energy consumption by source; petroleum consumption, total and per capita; natural gas consumption, total and per capita; and electricity retail sales; total, residential, and per capita.

A new Excel data file is also added for the population and GDP data series.