| Table 9a. U.S. Macroeconomic Indicators and CO2 Emissions |
|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|
| **Macroeconomic** |         |         |         |         |         |         |
| Real Gross Domestic Product | 18,927  | 19,022  | 19,121  | 19,222  | 19,048  | 19,672  |
| (billion chained 2012 dollars - SAAR) |         |         |         |         |         |         |
| Real Personal Consumption Expenditure | 13,103  | 13,250  | 13,353  | 13,414  | 13,301  | 12,018  |
| (billion chained 2012 dollars - SAAR) |         |         |         |         |         |         |
| Real Private Fixed Investment | 3,349   | 3,337   | 3,330   | 3,326   | 3,305   | 2,943   |
| (billion chained 2012 dollars - SAAR) |         |         |         |         |         |         |
| Business Inventory Change | 113     | 75      | 67      | 18      | -34     | -60     |
| (billion chained 2012 dollars - SAAR) |         |         |         |         |         |         |
| Real Government Expenditures | 3,258   | 3,297   | 3,310   | 3,331   | 3,344   | 3,348   |
| (billion chained 2012 dollars - SAAR) |         |         |         |         |         |         |
| Real Exports of Goods & Services | 2,554   | 2,517   | 2,523   | 2,536   | 2,504   | 2,386   |
| (billion chained 2012 dollars - SAAR) |         |         |         |         |         |         |
| (billion chained 2012 dollars - SAAR) |         |         |         |         |         |         |
| Real Disposable Personal Income | 14,878  | 14,934  | 15,012  | 15,073  | 15,206  | 15,536  |
| (billion chained 2012 dollars - SAAR) |         |         |         |         |         |         |
| Non-Farm Employment | 150.2   | 150.6   | 151.2   | 151.8   | 152.2   | 144.6   |
| (millions) |         |         |         |         |         |         |
| Civilian Unemployment Rate | 3.9     | 3.6     | 3.6     | 3.5     | 3.8     | 8.7     |
| (percent) |         |         |         |         |         |         |
| Housing Starts | 1.21    | 1.26    | 1.28    | 1.44    | 1.47    | 0.98    |
| (millions - SAAR) |         |         |         |         |         |         |
| **Industrial Production Indices, (index, 2012=100)** |         |         |         |         |         |         |
| Total Industrial Production | 109.8   | 109.2   | 109.9   | 109.6   | 107.4   | 96.2    |
| Manufacturing | 106.5   | 105.7   | 105.9   | 105.8   | 103.9   | 90.0    |
| Food | 115.1   | 115.3   | 114.6   | 116.0   | 116.8   | 119.3   |
| Paper | 94.2    | 91.8    | 92.6    | 93.6    | 94.1    | 86.5    |
| Petroleum and Coal Products | 106.3   | 104.9   | 106.7   | 104.8   | 105.5   | 102.0   |
| Chemicals | 101.4   | 99.9    | 100.6   | 100.2   | 99.2    | 97.2    |
| Nonmetallic Mineral Products | 119.7   | 119.0   | 119.7   | 119.1   | 120.5   | 105.4   |
| Primary Metals | 97.9    | 96.7    | 96.4    | 96.6    | 94.8    | 80.9    |
| Coal-weighted Manufacturing (a) | 106.9   | 105.6   | 106.0   | 106.3   | 106.3   | 94.8    |
| Distillate-weighted Manufacturing (a) | 98.5    | 97.9    | 98.3    | 98.5    | 98.3    | 89.5    |
| Electricity-weighted Manufacturing (a) | 106.5   | 105.3   | 105.6   | 105.9   | 105.0   | 93.8    |
| Natural Gas-weighted Manufacturing (a) | 108.7   | 107.7   | 108.0   | 108.2   | 108.0   | 98.4    |
| **Price Indexes** |         |         |         |         |         |         |
| Consumer Price Index (all urban consumers) | 2.53    | 2.55    | 2.56    | 2.58    | 2.59    | 2.54    |
| (index, 1982=1.00) |         |         |         |         |         |         |
| Producer Price Index: All Commodities | 2.01    | 2.00    | 1.99    | 2.00    | 1.97    | 1.90    |
| (index, 1982=1.00) |         |         |         |         |         |         |
| Producer Price Index: Petroleum | 1.81    | 2.08    | 1.96    | 1.96    | 1.74    | 1.04    |
| (index, 1982=1.00) |         |         |         |         |         |         |
| GDP Implicit Price Deflator | 111.5   | 112.2   | 112.7   | 113.0   | 113.5   | 113.8   |
| (index, 2012=100) |         |         |         |         |         |         |
| **Miscellaneous** |         |         |         |         |         |         |
| Vehicle Miles Traveled (b) | 8,297   | 9,333   | 9,289   | 8,899   | 7,978   | 6,912   |
| (million miles/day) |         |         |         |         |         |         |
| Air Travel Capacity | 643     | 685     | 707     | 688     | 599     | 494     |
| (Available ton-miles/day, thousands) |         |         |         |         |         |         |
| Aircraft Utilization | 380     | 426     | 427     | 406     | 334     | 221     |
| (Revenue ton-miles/day, thousands) |         |         |         |         |         |         |
| Airline Ticket Price Index | 255.7   | 278.3   | 263.8   | 263.8   | 250.8   | 211.6   |
| (index, 1982=100) |         |         |         |         |         |         |
| Raw Steel Production | 0.273   | 0.271   | 0.264   | 0.265   | 0.268   | 0.179   |
| (million short tons per day) |         |         |         |         |         |         |
| Carbon Dioxide (CO2) Emissions (million metric tons) | 575     | 587     | 579     | 563     | 553     | 441     |
| Petroleum | 507     | 350     | 384     | 448     | 496     | 354     |
| Natural Gas | 289     | 239     | 307     | 242     | 209     | 181     |
| Coal | 1,374   | 1,178   | 1,291   | 1,288   | 1,261   | 979     |
| Total Energy (c) | 2,354   | 2,088   | 2,270   | 2,345   | 2,088   | 2,270   |
| (a) = no data available |
| SAAR = Seasonally-adjusted annual rate |
| (b) Total highway travel includes gasoline and diesel fuel vehicles. |
| (c) Includes electric power sector use of geothermal energy and non-biomass waste. |
| Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics. |
| **Historical data:** Latest data available from U.S. Department of Commerce, Bureau of Economic Analysis; Federal Reserve System, Statistical release G17; Federal Highway Administration; and Federal Aviation Administration. Minor discrepancies with published historical data are due to independent rounding. |
| **Projections:** EIA Regional Short-Term Energy Model. U.S. macroeconomic projections are based on the IHS Markit model of the U.S. Economy.