

Table 9a. U.S. Macroeconomic Indicators and CO₂ Emissions
 Energy Information Administration/Short-Term Energy Outlook - October 2009

| | 2008 | | | | 2009 | | | | 2010 | | | | Year | | |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 1st | 2nd | 3rd | 4th | 2008 | 2009 | 2010 |
| Macroeconomic | | | | | | | | | | | | | | | |
| Real Gross Domestic Product | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars - SAAR) | 13,367 | 13,415 | 13,325 | 13,142 | 12,925 | 12,893 | 13,011 | <i>13,083</i> | <i>13,133</i> | <i>13,174</i> | <i>13,222</i> | <i>13,303</i> | 13,312 | <i>12,978</i> | <i>13,208</i> |
| Real Disposable Personal Income | | | | | | | | | | | | | | | |
| (billion chained 2005 Dollars - SAAR) | 9,827 | 10,059 | 9,838 | 9,920 | 9,926 | 10,020 | 9,965 | <i>9,960</i> | <i>9,907</i> | <i>10,004</i> | <i>10,060</i> | <i>10,050</i> | 9,911 | <i>9,968</i> | <i>10,005</i> |
| Real Fixed Investment | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars-SAAR) | 2,079 | 2,065 | 2,020 | 1,909 | 1,688 | 1,628 | 1,632 | <i>1,646</i> | <i>1,661</i> | <i>1,667</i> | <i>1,684</i> | <i>1,732</i> | 2,018 | <i>1,648</i> | <i>1,686</i> |
| Business Inventory Change | | | | | | | | | | | | | | | |
| (billion chained 2005 dollars-SAAR) | 30.40 | -23.11 | -30.76 | 8.22 | -28.88 | -39.13 | -27.11 | <i>-18.56</i> | <i>-13.28</i> | <i>-6.02</i> | <i>5.56</i> | <i>9.29</i> | -3.81 | <i>-28.42</i> | <i>-1.11</i> |
| Housing Stock | | | | | | | | | | | | | | | |
| (millions) | 123.1 | 123.2 | 123.3 | 123.4 | 123.5 | 123.5 | 123.5 | <i>123.6</i> | <i>123.6</i> | <i>123.6</i> | <i>123.7</i> | <i>123.7</i> | 123.4 | <i>123.6</i> | <i>123.7</i> |
| Non-Farm Employment | | | | | | | | | | | | | | | |
| (millions) | 137.9 | 137.5 | 137.0 | 135.7 | 133.7 | 132.1 | 131.3 | <i>130.8</i> | <i>130.6</i> | <i>130.9</i> | <i>131.2</i> | <i>131.7</i> | 137.0 | <i>132.0</i> | <i>131.1</i> |
| Commercial Employment | | | | | | | | | | | | | | | |
| (millions) | 91.8 | 91.6 | 91.3 | 90.6 | 89.5 | 88.7 | 88.4 | <i>88.2</i> | <i>88.2</i> | <i>88.6</i> | <i>89.3</i> | <i>89.9</i> | 91.3 | <i>88.7</i> | <i>89.0</i> |
| Industrial Production Indices (Index, 2002=100) | | | | | | | | | | | | | | | |
| Total Industrial Production | 112.0 | 110.7 | 108.1 | 104.4 | 99.1 | 96.1 | 97.1 | <i>99.3</i> | <i>100.2</i> | <i>100.1</i> | <i>100.5</i> | <i>101.0</i> | 108.8 | <i>97.9</i> | <i>100.5</i> |
| Manufacturing | 114.1 | 112.6 | 109.9 | 104.5 | 98.2 | 95.7 | 97.0 | <i>99.5</i> | <i>100.3</i> | <i>100.2</i> | <i>100.8</i> | <i>101.5</i> | 110.3 | <i>97.6</i> | <i>100.7</i> |
| Food | 111.7 | 111.6 | 110.5 | 110.7 | 108.9 | 110.3 | 110.3 | <i>110.7</i> | <i>111.2</i> | <i>111.5</i> | <i>112.1</i> | <i>112.7</i> | 111.1 | <i>110.1</i> | <i>111.9</i> |
| Paper | 94.8 | 94.9 | 93.2 | 85.7 | 80.6 | 80.6 | 83.0 | <i>83.1</i> | <i>83.3</i> | <i>83.3</i> | <i>83.3</i> | <i>83.5</i> | 92.1 | <i>81.8</i> | <i>83.4</i> |
| Chemicals | 113.3 | 111.8 | 107.1 | 102.9 | 100.8 | 100.2 | 100.2 | <i>100.7</i> | <i>101.2</i> | <i>101.4</i> | <i>101.9</i> | <i>102.6</i> | 108.8 | <i>100.5</i> | <i>101.8</i> |
| Petroleum | 111.3 | 112.0 | 106.8 | 109.9 | 107.7 | 107.5 | 106.9 | <i>107.0</i> | <i>106.9</i> | <i>106.8</i> | <i>107.1</i> | <i>107.3</i> | 110.0 | <i>107.3</i> | <i>107.0</i> |
| Stone, Clay, Glass | 104.2 | 102.3 | 101.1 | 95.0 | 84.4 | 81.3 | 82.2 | <i>82.0</i> | <i>82.0</i> | <i>82.4</i> | <i>83.4</i> | <i>84.6</i> | 100.7 | <i>82.5</i> | <i>83.1</i> |
| Primary Metals | 111.9 | 108.5 | 106.9 | 82.2 | 64.4 | 60.9 | 64.2 | <i>66.0</i> | <i>66.6</i> | <i>66.6</i> | <i>68.7</i> | <i>71.3</i> | 102.4 | <i>63.9</i> | <i>68.3</i> |
| Resins and Synthetic Products | 104.5 | 103.7 | 92.0 | 86.8 | 90.3 | 94.6 | 94.8 | <i>95.1</i> | <i>95.2</i> | <i>94.5</i> | <i>94.3</i> | <i>94.6</i> | 96.8 | <i>93.7</i> | <i>94.6</i> |
| Agricultural Chemicals | 109.4 | 109.3 | 106.3 | 89.9 | 87.0 | 93.7 | 92.9 | <i>93.3</i> | <i>92.8</i> | <i>92.4</i> | <i>92.0</i> | <i>91.9</i> | 103.7 | <i>91.7</i> | <i>92.3</i> |
| Natural Gas-weighted (a) | 109.2 | 108.0 | 103.2 | 95.6 | 90.5 | 91.0 | 91.6 | <i>92.0</i> | <i>92.2</i> | <i>92.0</i> | <i>92.4</i> | <i>93.0</i> | 104.0 | <i>91.3</i> | <i>92.4</i> |
| Price Indexes | | | | | | | | | | | | | | | |
| Consumer Price Index | | | | | | | | | | | | | | | |
| (index, 1982-1984=1.00) | 2.13 | 2.15 | 2.19 | 2.14 | 2.13 | 2.13 | 2.15 | <i>2.16</i> | <i>2.18</i> | <i>2.17</i> | <i>2.18</i> | <i>2.20</i> | 2.15 | <i>2.14</i> | <i>2.18</i> |
| Producer Price Index: All Commodities | | | | | | | | | | | | | | | |
| (index, 1982=1.00) | 1.85 | 1.94 | 2.00 | 1.79 | 1.71 | 1.69 | 1.71 | <i>1.74</i> | <i>1.77</i> | <i>1.76</i> | <i>1.77</i> | <i>1.81</i> | 1.90 | <i>1.71</i> | <i>1.78</i> |
| Producer Price Index: Petroleum | | | | | | | | | | | | | | | |
| (index, 1982=1.00) | 2.58 | 3.18 | 3.28 | 1.83 | 1.37 | 1.67 | 1.92 | <i>1.86</i> | <i>1.95</i> | <i>2.05</i> | <i>2.07</i> | <i>2.08</i> | 2.72 | <i>1.71</i> | <i>2.04</i> |
| GDP Implicit Price Deflator | | | | | | | | | | | | | | | |
| (index, 2005=100) | 107.6 | 108.1 | 109.1 | 109.2 | 109.7 | 109.7 | 109.9 | <i>110.2</i> | <i>110.9</i> | <i>110.9</i> | <i>111.2</i> | <i>112.0</i> | 108.5 | <i>109.9</i> | <i>111.2</i> |
| Miscellaneous | | | | | | | | | | | | | | | |
| Vehicle Miles Traveled (b) | | | | | | | | | | | | | | | |
| (million miles/day) | 7,725 | 8,321 | 8,147 | 7,866 | 7,598 | 8,372 | 8,284 | <i>7,892</i> | <i>7,666</i> | <i>8,433</i> | <i>8,319</i> | <i>7,925</i> | 8,014 | <i>8,038</i> | <i>8,087</i> |
| Air Travel Capacity | | | | | | | | | | | | | | | |
| (Available ton-miles/day, thousands) | 543 | 558 | 546 | 513 | 493 | 497 | 487 | <i>494</i> | <i>499</i> | <i>504</i> | <i>499</i> | <i>502</i> | 540 | <i>493</i> | <i>501</i> |
| Aircraft Utilization | | | | | | | | | | | | | | | |
| (Revenue ton-miles/day, thousands) | 323 | 346 | 338 | 298 | 275 | 293 | 291 | <i>284</i> | <i>288</i> | <i>300</i> | <i>296</i> | <i>292</i> | 326 | <i>286</i> | <i>294</i> |
| Airline Ticket Price Index | | | | | | | | | | | | | | | |
| (index, 1982-1984=100) | 263.5 | 288.1 | 305.6 | 270.7 | 252.7 | 249.8 | 259.2 | <i>257.0</i> | <i>266.4</i> | <i>286.0</i> | <i>294.1</i> | <i>274.3</i> | 282.0 | <i>254.7</i> | <i>280.2</i> |
| Raw Steel Production | | | | | | | | | | | | | | | |
| (million short tons per day) | 0.302 | 0.303 | 0.298 | 0.200 | 0.146 | 0.153 | 0.186 | <i>0.173</i> | <i>0.164</i> | <i>0.171</i> | <i>0.173</i> | <i>0.179</i> | 0.276 | <i>0.164</i> | <i>0.172</i> |
| Carbon Dioxide (CO₂) Emissions (million metric tons) | | | | | | | | | | | | | | | |
| Petroleum | 616 | 608 | 584 | 605 | 576 | 564 | 585 | <i>586</i> | <i>575</i> | <i>583</i> | <i>586</i> | <i>590</i> | 2,413 | <i>2,311</i> | <i>2,335</i> |
| Natural Gas | 403 | 267 | 260 | 316 | 387 | 255 | 264 | <i>315</i> | <i>380</i> | <i>255</i> | <i>267</i> | <i>316</i> | 1,247 | <i>1,221</i> | <i>1,217</i> |
| Coal | 540 | 511 | 568 | 512 | 483 | 440 | 507 | <i>485</i> | <i>497</i> | <i>446</i> | <i>519</i> | <i>493</i> | 2,130 | <i>1,914</i> | <i>1,954</i> |
| Total Fossil Fuels | 1,559 | 1,386 | 1,412 | 1,433 | 1,446 | 1,259 | 1,356 | <i>1,386</i> | <i>1,451</i> | <i>1,284</i> | <i>1,372</i> | <i>1,400</i> | 5,790 | <i>5,446</i> | <i>5,506</i> |

- = no data available

(a) Natural gas share weights of individual sector indices based on EIA *Manufacturing Energy Consumption Survey*, 2002.

(b) Total highway travel includes gasoline and diesel fuel vehicles.

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: Macroeconomic projections are based on the Global Insight Model of the U.S. Economy and Regional Economic Information and simulation of the EIA Regional Short-Term Energy Model.