

## REVENUE FORECASTING COMMITTEE

## April 26, 2011

Maine Revenue Services
Economic Research Division

## Maine Revenue Services' Recommendations to the Revenue Forecasting Committee

|  | FY2011 | FY2012 | FY2013 | Biennium | FY2014 | FY2015 | Biennium |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sales \& Use and Service Provider Taxes | \$9,296,045 | \$10,194,362 | \$4,319,731 | \$14,514,093 | \$1,340,000 | \$4,850,000 | \$6,190,000 |
| Individual Income Tax | \$27,338,000 | \$7,403,000 | (\$14,275,000) | (\$6,872,000) | $(\$ 58,615,000)$ | (\$58,959,000) | (\$117,574,000) |
| Corporate Income Tax | (\$7,307,848) | (\$12,310,433) | (\$21,569,907) | (\$33,880,340) | (\$11,368,719) | (\$11,477,360) | (\$22,846,079) |
| Estate Tax | \$2,074,708 | $(\$ 5,113,157)$ | (\$7,654,008) | (\$12,767,165) | (\$7,930,794) | (\$7,487,090) | (\$15,417,884) |
| Real Estate Transfer Tax | \$423,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Tax and Rent Program | \$1,401,352 | \$4,901,385 | \$5,308,362 | \$10,209,747 | (\$1,948,679) | (\$3,107,049) | (\$5,055,728) |
| Business Equipment Tax Exemption (BETE) | \$1,200,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Business Equipment Tax Reimbursement (BETR) | (\$4,500,000) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total Adjustments to Current Forecast | \$29,925,257 | \$5,075,157 | $(\$ 33,870,822)$ | (\$28,795,665) | $(\$ 78,523,192)$ | (\$76,180,499) | (\$154,703,691) |
| General Fund Local Government Fund Highway Fund (Motor Fuel Taxes) | $\begin{array}{r} \$ 28,458,947 \\ \$ 1,466,310 \\ (\$ 327,390) \end{array}$ | $\begin{array}{r} \$ 4,810,811 \\ \$ 264,346 \\ \$ 493,313 \end{array}$ | $\begin{gathered} (\$ 32,294,563) \\ (\$ 1,576,259) \\ \$ 2,131,017 \end{gathered}$ | $(\$ 27,483,753)$ $(\$ 1,311,912)$ $\$ 2,624,330$ | $\begin{gathered} (\$ 75,091,006) \\ (\$ 3,432,186) \\ \$ 1,338,067 \end{gathered}$ | $\begin{array}{r} (\$ 72,901,181) \\ (\$ 3,279,318) \\ (\$ 136,139) \end{array}$ | $(\$ 147,992,187)$ $(\$ 6,711,504)$ $\$ 1,201,928$ |
|  |  |  |  |  |  |  | $\begin{array}{r} \text { 25-Apr-11 } \\ \text { 2:42 PM } \end{array}$ |

STATE OF MAINE
Undedicated Revenues - General Fund
For the Ninth Month Ended March 31, 201
For the Fiscal Year Ending June 30, 2011
Comparison to Budget

Sales and Use Tax
Service Provider Tax
Individual Income Tax
Corporate Income Tax
Cigarette and Tobacco Tax
Insurance Companies Tax
Estate Tax
Fines, Forfeits \& Penalties
Income from Investments
Transfer from Lottery Commission
Transfers for Tax Relief Programs
Transfer to Municipal Revenue Sharing
Other Taxes and Fees
Other Revenues
Total Collected
NOTES:

1) Included in the above is $\$ 3,828,991$ for the month and $\$ 69,380,482$ year to date, that was set aside for Revenue Sharing with cities and towns.
(2) Figures reflect estimates of the Maine State Revenue Forecasting Committee approved in December 2010
${ }^{(3)}$ This report has been prepared from preliminary month end figures and is subject to change.

Comparison to Prior Year

Sales and Use Tax
Service Provider Tax
Individual Income Tax
Corporate Income Tax
Cigarette and Tobacco Tax
Insurance Companies Tax
Estate Tax
Fines, Forfeits \& Penalties
Income from Investments
Transfer from Lottery Commission
Transfers for Tax Relief Programs
Transfer to Municipal Revenue Sharing
Other Taxes and Fees
Other Revenues
Total Collected

| Month |  |  |  | Year to Date |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Current Year | Prior Year | Variance Over/(Under) | Percent Over/(Under) | Current Year | Prior Year | Variance Over/(Under) | $\begin{gathered} \text { Percent } \\ \text { Over/(Under) } \end{gathered}$ |
| 58,917,524 | 57,088,534 | 1,828,990 | 3.28 | 621,733,677 | 598,047,487 | 23,686,190 | 4.0\% |
| 4,035,682 | 4,085,675 | $(49,994)$ | (1.28) | 36,100,800 | 36,664,812 | $(564,012)$ | (1.58) |
| 58,227,540 | 51,811,689 | 6,415,851 | 12.48 | 913,278,257 | 831,462,042 | 81,816,215 | 9.8\% |
| 28,078,833 | 26,899,368 | 1,179,465 | 4.48 | 144,138,126 | 119,793,705 | 24,344,421 | 20.37 |
| 11,349,515 | 11,490,560 | $(141,045)$ | (1.28) | 107,577,339 | 109,935,291 | $(2,357,952)$ | (2.18) |
| 13,690,373 | 14,915,860 | $(1,225,486)$ | (8.2\%) | 26,213,430 | 28,495,324 | $(2,281,893)$ | (8.08) |
| 8,915,234 | 2,445,521 | 6,469,713 | 264.68 | 31,472,414 | 20,547,396 | 10,925,017 | $53.2 \%$ |
| 2,713,073 | 3,545,516 | $(832,443)$ | (23.5\%) | 21,591,086 | 25,569,267 | $(3,978,181)$ | (15.68) |
| 15,730 | $(46,623)$ | 62,353 | (133.78) | 198,706 | 139,474 | 59,232 | 42.5\% |
| 4,170,889 | 4,214,997 | $(44,108)$ | (1.08) | 36,919,341 | 38,698,541 | (1,779,199) | (4.6\%) |
| $(5,137,164)$ | $(1,792,965)$ | $(3,344,199)$ | 186.58 | $(109,682,595)$ | $(108,285,690)$ | $(1,396,905)$ | 1.37 |
| $(3,828,991)$ | $(3,542,107)$ | $(286,884)$ | 8.17 | $(69,380,482)$ | $(75,649,840)$ | 6,269,358 | (8.38) |
| 14,895,860 | 13,058,576 | 1,837,284 | 14.18 | 99,653,123 | 95,683,060 | 3,970,064 | 4.17 |
| 7,883,563 | 3,872,670 | 4,010,893 | 103.67 | 24,836,412 | 20,835,888 | 4,000,525 | 19.2\% |
| 203,927,661 | 188,047,271 | 15,880,390 | 8.48 | 1,884,649,635 | 1,741,936,756 | 142,712,879 | 8.28 |

## STATE OF MAINE

Undedicated Revenues - General Fund
For the Ninth Month Ended March 31, 201
For the Fiscal Year Ending June 30, 2011
Comparison to Budget

|  | Month |  |  |  | Year to Date |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Actual | Budget | Variance Over/(Under) | Percent Over/(Under) | Actual | Budget | Variance Over/(Under) | Percent Over/(Under) | Total Budgeted Fiscal Year Ending 6-30-2011 |
| Detail of Other Taxes \& Fees $\quad$ _ |  |  |  |  |  |  |  |  |  |
| 0100s All Others | 4,555,961 | 4,045,297 | 510,664 | 12.68 | 26,424,091 | 25,832,021 | 592,070 |  | 30,317,934 |
| 0300s Aeronautical Gas Tax | 18,772 | 18,593 | 179 |  |  | 201,244 | 696 | 2.3\% |  |
| 0400s Alcohol Excise Tax | 1,190,160 | 1,215,814 | 179 | 1.0\% | 201,940 |  |  | $0.3 \%$ | 262,918 |
|  |  |  | $(25,654)$ | (2.18) | 12,826,164 | 12,558,978 | 267,186 | 2.18 | 17,043,055 |
| 0700s Corporation Taxes | 1,383,443 | 1,421,025 | $(37,582)$ | (2.6\%) | 3,637,191 | 3,443,641 | 193,550 | 5.68 | 17,043,055 |
| 0800s Public Utilities |  | - |  | - |  |  |  | 5.67 | 7,697,099 |
| 1000s Banking Taxes | 2,609,620 | 2,101,419 | 508,201 | 24.28 | 18,481,520 | 16,561,695 | 1,919,825 | 11.68 | 16,775,988 |
|  | 528,008 | 355,400 |  |  |  |  |  |  | 22,865,980 |
| 1100s Alcoholic Beverages |  |  | 172,608 | 48.6\% | 4,093,790 | 2,859,688 | 1,234,102 | 43.2 \% |  |
| 1200s Amusements Tax | - | - | - | - | - |  |  |  | 4,270,138 |
| 1300s Harness Racing Parimutual | 833,876 | 726,429 | 107,447 | 14.87 | 6,867,298 | 7,164,407 | $(297,109)$ | (4.18) |  |
| 1400s Business Taxes | 1,691,155 | 1,447,621 | 243,534 | 16.8\% | 8,059,986 | 7,851,001 |  |  | 10,588,118 |
| 1500s Motor Vehicle Licenses | 358,734 | 371,768 | $(13,034)$ |  |  | 3,867,175 | 208,985 | 2.78 | 12,625,645 |
|  | 480,969 | 637,746 | $(13,034)$ | (3.58) | 3,528,696 |  | $(338,479)$ | (8.8\%) | 4,795,515 |
| 1700s Inland Fisheries \& Wildlife |  |  | $(156,777)$ | (24.6\%) | 11,907,647 | 11,519,488 | 388,159 | 3.48 | 17,420,998 |
| 1900s Other Licenses | 1,245,162 | 2,150,367 | $(905,205)$ | (42.18) | 3,649,653 | 4,497,342 | $(847,689)$ | (18.88) |  |
| Total Other Taxes \& Fees | 14,895,860 | 14,491,479 | 404,381 | 2.88 | 99,653,124 | $96,356,680$ | 3,296,444 | 3.48 | 4,617,994 |
| Detail of Other Revenues |  |  |  |  |  |  |  |  |  |
| 2200s Federal Revenues | 3,620,295 | 1,071,379 | 2,548,916 | 237.98 | 8,989,770 | 11,475,714 | $(2,485,944)$ | (21.7\%) | 14,689,850 |
| 2300s County Revenues | - | - | - | - |  |  | - | (21.78) |  |
| 2400s Revenues from Cities and Towns | 41,292 | 63,100 | $(21,808)$ | (34.68) | 154,456 | 215,900 | $(61,444)$ | (28.5\%) |  |
| 2500s Revenues from Private Sources | 122,218 | 190,942 | $(68,724)$ |  |  | 1,348,272 | $(182,068)$ | (13.5\%) | 256,825 |
| 2600s Current Service Charges | 2,439,016 | 2,612,452 |  | (36.0\%) | 1,166,204 | 1,348,272 |  |  | 9,590,360 |
|  |  |  | $(173,436)$ | (6.6\%) | 21,379,259 | 23,453,684 | $(2,074,425)$ | (8.88) | 32,369,184 |
| 2700s Transfers from Other Funds | 1,660,742 | 967,014 | 693,728 | 71.7\% | $(7,044,259)$ | $(5,974,590)$ |  |  |  |
| 2800s Sales of Property \& Equipment | - | 2,500 | $(2,500)$ | (100.0\%) | 190,982 | 1,043,176 | $(1,069,669)$ $(852,194)$ |  | 598,082 |
| Total Other Revenues | 7,883,563 | 4,907,387 | 2,976,176 |  |  |  |  | (81.7\%) | 1,585,676 |
|  |  |  |  | 60.68 | 24,836,412 | 31,562,156 | $(6,725,744)$ | (21.38) | 59,089,977 |



[^0]
## STATE OF MAINE

ndedicated Revenues - Highway Fund
or the Ninth Month Ended March 31, 2011
or the Fiscal Year Ending June 30, 201
Comparison to Budget

|  | Month |  |  |  | Year to Date |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Actual | Budget | Variance Over/(Under) | Percent Over/(Under) | Actual | Budget | Variance Over/(Under) | $\begin{gathered} \text { Percent } \\ \text { Over/(Under) } \end{gathered}$ | Total Budgeted Fiscal Year Ending 6-30-2011 |
| Fuel Taxes | 15,597,536 | 16,272,973 | $(675,437)$ | (4.28) | 145,768,005 | 145,651,090 | 116,915 | 0.18 | 215,873,796 |
| Motor Vehicle Registration \& Fees | 7,144,419 | 5,264,370 | 1,880,049 | 35.78 | 58,439,358 | 55,176,098 | 3,263,260 | 5.9\% | 78,047,070 |
| Motor Vehicle Inspection Fees | 154,585 | 216,700 | $(62,115)$ | (28.78) | 2,208,194 | 2,120,300 | 87,894 | 4.18 | 2,952,500 |
| Miscallaneous Taxes \& Fees | 82,316 | 79,205 | 3,111 | 3.98 | 915,614 | 931,920 | $(16,306)$ | (1.7\%) | 1,325,823 |
| Fines, Forfeits \& Penalties | 79,722 | 106,245 | $(26,523)$ | (25.08) | 893,157 | 963,748 | $(70,591)$ | (7.38) | 1,305,049 |
| Earnings on Investments | 7,325 | 7,844 | (519) | (6.68) | 90,788 | 98,510 | $(7,722)$ | (7.8\%) | 122,038 |
| All Other | 302,655 | 572,145 | $(269,490)$ | (47.18) | 5,908,529 | 6,220,442 | $(311,913)$ | (5.0\%) | 8,102,531 |
| Total Collected | 23,368,557 | 22,519,482 | 849,075 | 3.8\% | 214,223,644 | 211,162,108 | 3,061,536 | 1.48 | 307,728,807 |

NOTE: This report has been prepared from preliminary month end figures and is subject to change.

STATE OF MAINE
Undedicated Revenues - Highway Fund
For the Ninth Month Ended March 31, 2011 and 2010
For the Fiscal Years Ending June 30, 2011 and 2010
Comparison to Prior Year

|  | Month |  |  |  | Year to Date |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Current Year | Prior Year | $\begin{gathered} \text { Variance } \\ \text { Over/(Under) } \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Over/(Under) } \end{gathered}$ | Current Year | Prior Year | $\begin{gathered} \text { Variance } \\ \text { Over/(Under) } \end{gathered}$ | $\begin{gathered} \text { Percent } \\ \text { Over/(Under) } \end{gathered}$ |
| Fuel Taxes | 15,597,536 | 16,182,069 | $(584,533)$ | (3.6\%) | 145,768,005 | 147,212,555 | $(1,444,550)$ | (1.08) |
| Motor Vehicle Registration \& Fees | 7,144,419 | 5,462,761 | 1,681,658 | 30.8 \% | 58,439,358 | 53,815,570 | 4,623,787 | 8.68 |
| Motor Vehicle Inspection Fees | 154,585 | 204,305 | $(49,720)$ | (24.38) | 2,208,194 | 2,109,319 | 98,875 | 4.78 |
| Miscallaneous Taxes \& Fees | 82,316 | 97,386 | $(15,070)$ | (15.58) | 915,614 | 948,487 | $(32,872)$ | (3.5\%) |
| Fines, Forfeits \& Penalties | 79,722 | 100,245 | $(20,523)$ | (20.5\%) | 893,157 | 1,147,155 | $(253,998)$ | (22.18) |
| Earnings on Investments | 7,325 | 16,147 | $(8,822)$ | (54.68) | 90,788 | 105,770 | $(14,982)$ | (14.28) |
| All Other | 302,655 | 529,917 | $(227,262)$ | (42.98) | 5,908,529 | 6,788,457 | $(879,928)$ | (13.08) |
| Total Collected | 23,368,557 | 22,592,829 | 775,728 | 3.48 | 214,223,644 | 212,127,312 | 2,096,332 | 1.04 |

NOTE: This report has been prepared from preliminary month end figures and is subject to change.

## Economic Assumptions

## Assumptions Used in Sales \& Excise Model

(1) Total Personal Income
(2) Inflation (CPI-U)
(3) Total Employment Growth
(a) Growth by Sector
(4) Forecast of CPI for Energy Prices (Global Insights - March 2011)
(5) Forecast of new passenger car \& light truck registrations in Maine (Global Insights - March 2011)
(6) Forecast of average price of new vehicle (Global Insight - March 2011)
(7) Forecast of Personal Savings Rate (Global Insight - March 2011)

## Assumptions Used in Individual Income Tax Model

(8) Total Personal Income
(a) Growth by Component
(9) Inflation (CPI-U)
(10) Total Employment Growth
(11) Unemployment Rate
(12) 3-Month Treasury Bill Rate
(13) 10-Year Treasury Note Rate

## Assumptions Used in Corporate Income Tax Model

(14) Inflation (CPI-U)
(11) Total Employment Growth
(a) Growth by Sector
(12) Forecast of Before-Tax Corporate Book Profits (Global Insight - March 2011)

## Will the Recovery Skid on Oil?

## Forecast Highlights

- Most indicators were showing solid economic momentum before the Middle Eastern turmoil sent oil prices soaring.
- So long as oil supply disruptions do not spread beyond Libya, we expect the impact on U.S. economic growth to be small. But the risk of a damaging oil shock has clearly risen.
- Our GDP growth forecasts remain at $3.2 \%$ for 2011 and $2.9 \%$ for 2012 . Fiscal tightening is the primary reason why growth slows in 2012.
- Surging oil and food prices are sending headline inflation higher, and there is some evidence that core inflation is moving off the floor. But wage inflation is very low.
- Budget flashpoints are still looming, in the extension of government funding due March 18, and the debt ceiling extension due after that. We assume that cuts in spending authority fall well short of House Republicans' demands for this year.
- We assume no further quantitative easing from the Federal Reserve beyond that already announced. We assume that the Fed begins to raise interest rates only in 2012.


## The Forecast in Brief

Events in the Middle East have raised the specter of another oil shock. The latest lurch upwards in oil prices to around $\$ 105$ for West Texas Intermediate oil (and $\$ 116$ for Brent) reflects an actual supply interruption from Libya and a risk premium reflecting the possibility of more serious disruptions elsewhere. Our baseline forecast assumes
that supply disruption does not spread beyond Libya, and that roughly $\$ 10 /$ barrel in risk premium comes out of the oil price quickly (we assume a $\$ 94 /$ barrel average price for WTI oil in the second quarter). For the year as a whole, we have moved our WTI assumption only marginally higher, from $\$ 91$ to $\$ 93 /$ barrel, and our GDP growth forecast remains at $3.2 \%$. Less benign outcomes are clearly a major risk-we reiterate our rule of thumb that every $\$ 10$ added to the oil price knocks about 0.2 percentage point off the current-year growth rate. A worst case involving disruption to Saudi production would take us to $\$ 200 /$ barrel or higher, and would indeed derail the recovery.

Most indicators show the economy carrying a good head of steam into the oil shock. Manufacturing activity is surging, with exports and capital equipment spending picking up rapidly. Consumer spending growth has cooled, but the loss of momentum was probably exaggerated by January's bad weather. February was better for consumption-especially for vehicle sales. The economy is still not firing on all cylinders, though. House prices continue to decline, and sales and starts have not yet climbed off the floor; state and local government budget cuts continue to bite; and federal


[^1]spending cuts are on the way. We have assumed a compromise on the fiscal 2011 budget that falls well short of the steep cuts in discretionary spending authority ( $\$ 60$ billion for FY 2011) demanded by House Republicans, but with the promise of further cuts next year. It may yet require a government shutdown to produce that compromise.

Job creation accelerated sharply in February, although it is hard to disentangle any underlying improvement from a better-weather bounce. We suspect that the payroll survey is underestimating the speed of the labor-market improvement, not least because the household survey is showing a more optimistic picture. The near-one-percentage-point decline in the unemployment rate since November (from $9.8 \%$ to $8.9 \%$ ) is primarily due to faster job creation, not a shrinking labor force. We expect a more significant pickup in payroll employment during coming months (averaging just above 200,000 over the next 12 months). Getting the jobless rate down further should prove a slow process, though, since there are many workers outside the labor force ready to come back once they see jobs being created. We see the unemployment rate around $8.5 \%$ at the end of this year.

Poor weather has disrupted activity in the current quarter. Although most survey evidence shows solid momentum, there is now clearer evidence of the damage to economic growth from January's inclement weather (notably in retail sales and construction spending). As a result, we have marked down our estimate of first-quarter growth to $3.3 \%$, from $4.1 \%$. As the weather effect reverses, we have marked up our estimate of second-quarter growth to $4.2 \%$, from $3.3 \%$.

The consumer mood has improved, although we expect that upcoming readings on sentiment will show a hit from the surge in gasoline prices. Real consumer spending will not maintain the fourth quarter's $4.1 \%$ pace in the current quarter-we see just $2.5 \%$ growth-but that was depressed by the snowstorms that held back spending in January. A still-sluggish employment market, high debt levels, a weak housing market, and tight credit mean that this remains a modest consumer rebound by historical standards-all of the worries holding consumers back have not suddenly dis-appeared-but we do expect consumer spending growth of $3.0 \%$ in 2011 , up from $1.8 \%$ in 2010.

Faster consumer spending growth is driving light-vehicle sales higher; we expect 13.3 -million units to be sold in 2011, up from 11.5-million units in 2010. That is an upward revision from last month's $13.1-m$ illion forecast, reflecting the fast start to the year that has seen sales average 13.0 million units (annual rate) in January and February.

Housing remains a key downside risk for 2011. Sales and starts are still deeply depressed, and house prices began to decline again in the second half of 2010 . There remains a fundamental oversupply, and we continue to pay the price for the homebuyer tax credit, which sucked sales into the first half of 2010 and temporarily propped up prices. We anticipate a further decline in prices of close to $5 \%$. But it would likely take a steeper price decline than that to reignite a financial crisis. As employment growth picks up, we expect housing starts to improve gradually, but only to 680,000 units in 2011, up from 585,000 in 2010.

Capital equipment remains an important driver of GDP growth, although momentum did slow in the fourth quarter, when business equipment and software spending growth slowed to $5.5 \%$, from $15.4 \%$ in the third. We think that this will prove to be merely a pause, and expect spending growth to reaccelerate to double-digit rates this year. Businesses are flush with cash and will want to address replacement needs neglected during the recession. The expanded investment incentives in the tax package will give an extra reason to spend.

On the business structures side, there are now some tentative signs that activity is stabilizing. The architects' billings index, a useful leading indicator, has regained the breakeven mark. Spending on buildings tumbled at a $21.1 \%$ annualized rate in the fourth quarter and another big decline is likely in the first quarter, exacerbated by bad weather. We then expect spending on buildings to flatten through the end of the year, before beginning a recovery in 2012. Some easing in natural gas drilling should occur over the course of 2011, reflecting high inventories and low prices, although that would still leave 2011 drilling higher on average than 2010.

In the state and local government sector, tax revenues are beginning to edge higher (thanks partly to tax hikes), but unresolved budget problems loom large. Support for
capital spending from the initial ARRA stimulus is still coming through, but federal support for current spending is winding down. Incoming state administrations are looking at spending cuts rather than tax increases to close looming budget gaps for fiscal 2012, which begins July 1. We expect real state and local government spending to decline $1.6 \%$ this calendar year and another $1.0 \%$ in calendar 2012.

The federal budget deficit narrowed slightly to $\$ 1.3$ trillion in fiscal 2010, from $\$ 1.4$ trillion in 2009, but the extra stimulus in December's tax package will widen the deficit to $\$ 1.4$ trillion again in 2011. Agreement on the tax package was reached relatively easily-because it involved giveaways, not tough decisions. At some point-probably after the 2012 elections-tough decisions will have to be made on both spending and taxes. But with some congressional Republicans seeking sharp spending cuts now (more than our forecast assumes), potential flashpoints loom, with the latest continuing resolution that funds the government expiring on March 18, and a vote on raising the debt ceiling expected sometime this spring.

Export growth improved in the fourth quarter, to $9.6 \%$ at an annual rate. Rapid growth in emerging markets and a weak dollar should keep export growth at roughly that pace during 2011. Imports plunged in the fourth quarter, making trade a huge plus for GDP growth. This decline partly reflected slower inventory building, and partly reflected an odd seasonal-adjustment procedure that drove measured oil imports way down during the fourth quarter. Imports will revive as inventory building gathers pace again, although the export surge is expected to be strong enough to make trade a net contributor to GDP growth in 2011.

Higher oil prices have driven the dollar down against the euro, as the markets have correctly viewed the European Central Bank as much more likely than the Fed to raise interest rates in response. But the still-unresolved debt crises in the Eurozone periphery mean that the euro is not a one-way bet. Over the full year 2011, we expect the dollar to move sideways against major currencies, on average, but to depreciate against emerging-market currencies. The current-account deficit shrank during the recession as import demand and oil prices plunged, but it is now creeping higher again. The deficit probably widened to $3.2 \%$ of

GDP in 2010 (from 2.7\% in 2009), and should reach 3.6\% of GDP this year.

Inflation is becoming more of a concern. A combination of higher gasoline prices and higher food prices is pointing to CPI inflation of around $2.5 \%$ this year. We also have evidence of higher core inflation, with some sellers feeling confident enough to pass on higher commodity costs. Crucially, though, we do not see higher wage inflation, with the unemployment rate still near $9 \%$, and plenty of other potential workers not counted in the labor force. Unless wage inflation accelerates, we see any pickup in core inflation as limited.

Bond yields have been bouncing up and down in response the news from the Middle East. Risk aversion rather than inflation fears has dominated, so yields have fallen whenever oil prices have spiked. Assuming that the Middle East calms down, the trend in yields is upwards. Although we see bond yields heading substantially higher over the long term, we think that it is too early for a major bear market to begin, because there is still plenty of slack in the U.S. economy and domestic inflation is still too distant a threat.

Federal Reserve chairman Ben Bernanke has said that downside risks to the recovery have receded and the risk of deflation has become negligible. Since these were the very risks that prompted the Fed to launch its second round of quantitative easing in November, that raises the question of whether it needs to implement the full $\$ 600$ billion in extra Treasury purchases. But the Fed has not hinted that it will stop short, and we continue to assume that the program expires on schedule in mid-2011. We still assume no interest rate hike until 2012. The Fed is not the European Central Bank, and it will not raise interest rates just because headline inflation is rising.

## How Big of a Threat to the Recovery Is the Turmoil in the Middle East and North Africa?

Relatively peaceful revolutions in Tunisia and Egypt, and a much bloodier civil war in Libya, have been accompanied by mass protests in Bahrain, Yemen, Oman, Algeria, Jordan, Iraq, and Iran. While the rebellions sweeping across North A frica and the Middle East are bringing some momentous political changes, their consequences for oil prices and for the U.S. and the world economies are less
dramatic. The extent of disruptions to energy markets and the global economy will depend largely on what happens in the Persian Gulf region, especially in Saudi Arabia and Iran. So far, the actual disruptions have been relatively minor-representing around $1 \%$ of world oil demand. Nevertheless, fears of further disruptions have pushed oil prices to their highest levels since autumn 2008.

Turmoil in North Africa and the Middle East: More Dominoes to Fall? Ironically, the relatively peaceful resolutions of the political uprisings in Tunisia and Egypt have encouraged protests elsewhere. Tunisia's political situation will likely remain in flux, damaging tourism and lowering real GDP growth in that country. For Egypt, the process of moving to a more democratic government is just beginning and road could be quite bumpy. The turmoil has hurt tourism during the peak season, while labor strikes and outflows of expatriate workers have impaired business activity. The economic recovery will be gradual (and weaker than previously expected) as the country awaits presidential elections in September. The good news for the world economy is that oil supplies and trade flows were not disrupted by the events in these two countries.

Libya is a different matter altogether. The turmoil there has turned more violent and all bets are off as to how the burgeoning civil war will finally be resolved. There have been major disruptions to oil production and exports. Libya produced 1.6 million barrels per day of crude oil in January. This represents about $2 \%$ of world demand. Currently, more than half of this capacity is shut in. Since oil exports have provided $90 \%$ of government revenues, it would be in the interest of any new (or old) regime to restore production and exports quickly. In the meantime, oil production and growth are likely to take big hits (literally and figuratively).
There is a possibility of further unrest and significant instability in Bahrain, Yemen, Iraq, and Jordan. In Oman, protesters are likely to remain loyal to the monarchy, but will begin to demand greater political participation. Current regimes are expected to remain firmly in control in Algeria and Iran, as protest fatigue and government clampdowns there have worn down opposition movements.
The oil-rich countries in the region are at least risk because of higher living standards and increased payments to the
poorest segments of their populations. Saudi Arabia's King Abdullah recently announced a new social-support package of 135 billion riyal (US\$36 billion). Kuwait is distributing grants of 1,000 dinars (US\$3,559) to every citizen, along with free essential foods. Real GDP growth in Saudi Arabia, the United Arab Emirates, Kuwait, and Qatar could well be boosted by varying degrees because of increases in oil output to offset losses in Libyan production.

Crude Oil Prices: How Much Longer Will the "Fear Premium" Last? Current market prices include a geopolitical risk premium of \$10-15 per barrel, resulting in a dated Brent price of $\$ 116$ and a WTI price of $\$ 105$. The rise in oil prices since the beginning of February reflects the chaos in Libya and, more broadly, worries about potential instability in the region's other major oil-exporting countries. OPEC's spare capacity in February was 4.6 million barrels per day, most of it in Saudi Arabia. The Libyan shortfall will likely be replaced by lower-quality, heavier crude oil from Saudi Arabia and other OPEC members. If supply disruptions do not spread beyond Libya, the "fear premium" should decrease significantly over the next few months. IHS CERA projects average 2011 prices of $\$ 100$ for Brent and $\$ 93$ for WTI (an increase of $\$ 2 /$ barrel from last month's forecast). The forecast beyond 2011 is unchanged, with the WTI price rising to $\$ 95$ in 2012 and $\$ 99$ in 2013, as the spread between Brent and West Texas Intermediate narrows to about $\$ 3$ per barrel. Brent (representing a mix of crude oil streams from the North Sea) is currently a better guide to market conditions than WTI crude oil. Congestion problems at Cushing, Oklahoma-the delivery point for the WTI contract-have caused WTI to trade at a discount.

Worst-Case Scenario? Nevertheless, price risks are concentrated on the upside, reflecting the possibility that political upheavals will spread to other major oil producers. A disruption to Iranian production could push crude oil prices to the \$150-180/barrel range. A worst-case scenario would involve a loss of Saudi oil production, sending prices to $\$ 200$ or higher. Using rules of thumb developed by IHS Global Insight, oil prices around $\$ 150 /$ barrel (sustained for a year) would cut GDP growth by 1.0-1.5 percentage points-producing very weak growth, but probably no recession. But oil prices at or above $\$ 200$ would be enough to derail the U.S. and global recoveries. At this point, the

## Model-Estimated Impacts of a \$10/Barrel Rise in Crude Oil Prices <br> (Percent difference from baseline unless otherwise noted)

|  | Year One | Year Two |
| :--- | :---: | :---: |
| Real GDP | -0.21 | -0.52 |
| Real Consumer Spending | -0.23 | -0.51 |
| Real Disposable Income | -0.40 | -0.53 |
| Consumer Price Index | 0.46 | 0.52 |
| Employment (Thousands) | -120 | -410 |
| Vehicle Sales (Thousand units) | -180 | -270 |

probability of $\$ 150 /$ barrel oil, let alone $\$ 200 /$ barrel oil, is still relatively low.

Bottom Line. If oil supply disruptions do not spread beyond Libya, the risk premium in crude oil prices will drop in the weeks ahead and the impact on growth will be small. If, on the other hand, the turmoil spreads and oil prices rise to or above their 2008 levels, then all bets are off.

## Key Forecast Assumptions

Fiscal Policy: Taxes. As far as is possible, our forecast incorporates December's tax package. However, we cannot fully incorporate the effects of enhanced depreciation allowances on pre-tax corporate profits and corporate taxes, because the retroactive $50 \%$ bonus depreciation (back to January 2010) will not be incorporated into the national income accounts data until the July 2011 revisions are released. We continue to assume that income taxes will rise, beginning in 2013 for high earners, but beginning in 2014 for all taxpayers.

Fiscal Policy: Spending Restraint. After a 3.9\% increase in real defense spending during calendar 2010, we assume a $0.3 \%$ decline in 2011 and a sharper $4.1 \%$ drop in 2012, reflecting overseas contingency operations winding down. We assume that other real federal government spending on goods and services rises $1.3 \%$ in 2011 , after a $6.6 \%$ jump in 2010, but then declines $1.2 \%$ in 2012 as the government tries to go beyond the administration's freeze and actually cut discretionary spending in nominal dollars. We assume nominal nondefense spending (excluding capital consumption) will be roughly flat for five years. We have assumed that federal government civilian pay will be frozen again in 2012, as in 2011.

Oil Price Projection Raised Slightly for 2011. We assume that oil prices (West Texas Intermediate) move back down into the \$90-95 range over the rest of the year, conditional on increasing stability in the Middle East. That yields a 2011 average price of $\$ 93 /$ barrel (above our February assumption of \$91). Our average 2012 price remains at $\$ 95 /$ barrel. We assume that gasoline prices average $\$ 3.56 /$ gallon in the second quarter.

## Federal Reserve to Hold Rates Near Zero Until March

2012. The Fed has kept its federal funds target in the 0.00 $0.25 \%$ range since December 2008. We assume that it completes the $\$ 600$-billion program of Treasury security purchases in mid-2011, as scheduled, but does not expand the program. We assume that it begins to tighten only in March 2012.

## Dollar to Continue Sliding Against Emerging-Market

 Currencies. We see little net movement in the dollar against major currencies over the course of 2011, although the dollar/euro rate will probably remain volatile. The dollar has weakened against the euro so far this year, most recently in response to higher oil prices, but the euro remains vulnerable to further shock waves from the sovereign debt crisis. We assume that the euro slips to $\$ 1.35$ by mid-2011 and remains there at year-end, roughly where it closed 2010. For other key currencies, we assume year-end 2011 values of C\$1.02/U.S. dollar and 82 yen/U.S. dollar. We still see the dollar's long-run trend as downward, but more against emerging-market currencies than against major currencies. China has loosened its currency peg and we expect a gradual appreciation of the renminbi, amounting to $5.3 \%$ in 2011 , after the $3.5 \%$ gain in 2010 .Global Growth Slower in 2011. Although we expect U.S. growth to be faster in 2011 than in 2010 , growth in the rest of the world should be slower. We project GDP growth in the United States' major-currency trading partners to ease to $2.3 \%$ in 2011, from $2.6 \%$ in 2010. GDP growth for other important trading partners is projected to moderate to $5.4 \%$ in 2011, from 7.2\% in 2010.
by Nariman Behravesh and Nigel Gault

## Risks to the Forecast

Despite the January weather disruptions, the U.S. economy seems to be moving ahead at a solid pace. Manufacturing, capital spending, and exports continue to post strong gains, while consumer spending is expected to strengthen after a brief weather-related January slowdown. Housing remains a major downside risk, and global financial conditions are not yet "all clear." Furthermore, the Middle Eastern turmoil is leading to an unwelcome surge in oil prices. Will the recovery skid on oil, or will underlying momentum help the economy accelerate toward sustainable growth?

In the optimistic scenario, a sustained recovery is well underway, with companies adding jobs, unemployment falling, and housing getting back on track more quickly than in the baseline. A quick resolution to the turmoil in the Middle East brings down oil prices, while lower food prices help to lessen the financial strain on consumers, boosting confidence and spending.

In the pessimistic scenario, surging oil and food prices combine with tight credit, a deeper decline in house prices, weak employment and wage growth, and sovereign debt issues in Europe to derail the U.S. recovery. This scenario assumes another blow to consumer and business confidence, a temporary government shutdown, and much slower foreign growth.

The Recovery Accelerates ( $20 \%$ Probability): In the optimistic scenario, the momentum building in the private sector continues and brings with it sustained economic growth. This scenario is driven primarily by a revival in privatesector confidence that leads to increases in both consumer spending and business investment (both residential and nonresidential). The optimistic simulation also assumes stronger growth in total factor productivity (which measures how technological progress augments economic growth). Higher productivity supports lower inflation and stronger income gains over the long term.

In this scenario, the rebellion in Libya is resolved quickly and without any damage to oil facilities. The new regime quickly resumes oil production and exports, relieving some of the pressure on global oil prices. As such, oil prices immediately fall below the baseline and remain lower over
the longer term because of more positive assumptions about oil supply.

In the short term, lower oil and food costs mean that prices rise more slowly than in the baseline. Consumer price inflation is $2.3 \%$ in 2011 , compared with $2.5 \%$ in the baseline.

GDP growth averages $3.9 \%$ in 2011 and $4.0 \%$ in 2012 (compared with $3.2 \%$ and $2.9 \%$ in the baseline). Stock markets advance, and the S\&P 500 trends $4.8 \%$ higher than the baseline in 2011. As a result of the stronger growth, longterm interest rates rise faster than in the baseline, but the Federal Reserve begins to raise rates during the third quarter of 2011, calming the bond market and bolstering confidence that inflation will remain subdued over the longer term.

With credit channels functioning more normally, business fixed investment rebounds $11.9 \%$ in 2011 (versus $9.1 \%$ in the baseline), while consumer spending grows $3.5 \%$ ( $3.0 \%$ in the baseline). Light-vehicle sales reach 14.0-million units in 2011 and 16.1-million units in 2012 (versus 13.3 million and 14.9 million in the baseline). The optimistic scenario also sees a stronger recovery in residential investment, with housing starts rising to 769,000 units in 2011 (680,000 in the baseline) and sales of existing homes much stronger.

The optimistic scenario assumes a stronger growth rate for global GDP across the forecast period, coupled with a stronger dollar, due primarily to lower oil prices and better short-term U.S. growth prospects. The higher dollar is a slight drag on GDP in the short run, but U.S. businesses continue to take advantage of growing demand in emerging markets. Exports increase $11.0 \%$ in 2011, compared with $9.5 \%$ in the baseline.

Taken together, these assumptions produce a much brighter economic outlook than the baseline. The unemployment rate falls immediately in the optimistic scenario, dropping below $8 \%$ by the end of 2011 and below $7 \%$ by the end of 2012. A stronger labor market combines with lower food and gasoline prices to boost consumer sentiment quickly, while industrial production rises $6.5 \%$ in 2011 and $5.1 \%$ in 2012 (versus $5.3 \%$ and $3.2 \%$ in the baseline).
In short, the optimistic alternative sees a quick resolution to turmoil in the Middle East and stronger, more stable U.S.
growth relative to the baseline, without adverse consequences for the long-term inflation outlook.

The Recovery Skids on Oil (20\% Probability): In the pessimistic scenario, turmoil in the Middle East brings about a surge in oil prices that hits the U.S. economy at a bad time. Growth momentum slows early in the year and then turns negative during the summer.

The timing of higher oil and food prices could not be worse for the private sector. Households have no alternative but to cut other spending in the face of higher grocery and gasoline prices. Businesses, also facing higher input costs, are forced to cut all remaining costs, including payrolls. The downward pressure on wages lowers real income and further squeezes households. The blow to private-sector confidence is substantial, and acts as a major drag on real GDP growth. The housing sector also suffers from the poor consumer confidence, tight credit, and weak employment. As a result, demand for housing continues to decline and home prices plumb new depths.

This scenario assumes that Washington is unable to come to terms on the fiscal 2011 budget by March 18, resulting in a two-week government shutdown. This further reduces first-quarter GDP growth.

With headline price inflation soaring (due to higher energy and food prices) but unemployment rising and wage inflation weak, the Federal Reserve has no desire to tighten monetary policy. But high headline inflation inhibits any further easing.

In this scenario, the U.S. economy is not alone in its misery. Europe continues to languish, as tighter fiscal and monetary policies and no long-term solutions to the sovereign debt issue prevents a sustainable recovery. Food and oil inflation causes growth to stall in emerging economies. Furthermore, geopolitical tensions and heightened risk aversion send stock markets lower.

Weak employment, low incomes, and tight credit further reduce the demand for new and existing homes. This increases the oversupply of empty homes on the market, as foreclosures continue to rise and household formation slips further. Low demand and oversupply push housing prices lower, and the median price of existing homes falls $11 \%$
below the baseline in 2012. Housing starts drop back to a low of 500,000 units in 2011 and rebound to only 810,000 units in 2012 (compared with an improvement to 680,000 units in 2011 and 1,090,000 units in 2012 in the baseline). Low housing prices, a weak stock market performance, and low incomes reduce household wealth and push consumer confidence halfway back to their Great Recession depths. As a result, households retrench and consumer spending plunges. Not least affected by this downturn are light-vehicle sales, which reach just 11.9-million units in 2011 and 12.7-million units in 2012 (versus 13.3 million and 14.9 million in the baseline).

In this scenario, higher oil prices lead to a weaker dollar and cause headline inflation to spike to $3.7 \%$ in 2011 (compared to $2.5 \%$ in the baseline). Core CPI inflation, however, remains under control at $1.5 \%$ in 2011 (compared with $1.4 \%$ in the baseline) as excess capacity in the labor market keeps wages in check. With oil prices declining from their summer-2011 peak, headline inflation falls back to $1.8 \%$ in 2012 (the same as in the baseline), giving no reason for any monetary tightening. Indeed, the Fed keeps the federal funds rate in the $0.00-0.25 \%$ target range until late 2012 .

But when the economy eventually recovers from the latest setback, inflation quickly surges. The eventual release of pent-up demand creates production bottlenecks, as spare capacity proves to be insufficient to keep up. In addition, weak productivity growth, still-high energy prices, and a still-weakening dollar (as worries about the U.S. government's willingness and capacity to rein in the federal deficit reemerge) add to the inflationary pressure. The Fed reacts by rapidly raising interest rates. But its response is too late, and core CPI inflation shoots up to $2.8 \%$ by 2014. Monetary tightening eventually stabilizes core inflation at around $3 \%$, but the Fed abandons its previous goal of $2 \%$.

Over the longer term, the U.S. economy continues to suffer from "post-Great Recession" symptoms. Successive bouts of false starts followed by inflationary surges have a dramatic negative impact on consumer and business confidence. Productivity advances just $1.2 \%$ on average over the next decade, compared with $1.7 \%$ in the baseline.
by Gregory Daco and Erik Johnson

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U.S. ECONOMIC SERVICE
    Executive Summary
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## Forecast at a Glance

Sustained Growth Returns
(Real GDP, percent change from a year earlier)


Consumer Spending Has Gained Momentum
(Real consumer spending, percent change from a year earlier)


Core Inflation Has Hit Bottom
(Core consumption price index, percent change from a year earlier)


Exports Turned Quickly; Investment Follows
(Percent change from a year earlier)


Housing Starts Bottoming Out


Fed Holds Rates Near 0\% Until 2012 (Percent)


TABLE 1
Monthly Economic Indicators

|  | $\begin{array}{r} \text { Jan. } \\ 2010 \end{array}$ | $\begin{aligned} & \text { Feb. } \\ & 2010 \end{aligned}$ | $\begin{array}{r} \text { Jul. } \\ 2010 \end{array}$ | $\begin{aligned} & \text { Aug. } \\ & 2010 \end{aligned}$ | $\begin{aligned} & \text { Sep. } \\ & 2010 \end{aligned}$ | $\begin{array}{r} \text { Oct. } \\ 2010 \end{array}$ | $\begin{aligned} & \text { Nov. } \\ & 2010 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 2010 \end{aligned}$ | $\begin{gathered} \text { Jan. } \\ 2011 \end{gathered}$ | $\begin{aligned} & \text { Feb. } \\ & 2011 \end{aligned}$ | 2008 | 2009 | 2010 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Industrial Markets |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Industrial Prod. Total (2007=100.0) | 90.5 | 90.5 | 93.5 | 93.6 | 93.9 | 93.8 | 94.1 | 95.2 | 95.1 |  | 96.7 | 87.7 | 92.7 |
| Percent Change | 1.0 | 0.0 | 0.9 | 0.1 | 0.3 | 0.0 | 0.3 | 1.2 | -0.1 |  | -3.3 | -9.3 | 52.7 |
| Percent Change Year Earlier | 1.5 | 2.3 | 7.8 | 6.6 | 6.2 | 5.9 | 5.6 | 6.3 | 5.2 |  |  |  |  |
| Capacity Utilization, Manufacturing (\%) | 69.8 | 69.7 | 72.3 | 72.3 | 72.4 | 72.7 | 72.9 | 73.5 | 73.7 |  | 75.0 | 67.2 | 71.8 |
| Unemployment Rate (\%) | 9.7 | 9.7 | 9.5 | 9.6 | 9.6 | 9.7 | 9.8 | 9.4 | 9.0 | 8.9 | 5.8 | 9.3 | 9.6 |
| Payroll Employment (Mil.) | 129.281 | 129.246 | 129.932 | 129.873 | 129.844 | 130.015 | 130.108 | 130.260 | 130.323 | 130.515 | 136.778 | 130.789 | 129.822 |
| Change (Mil.) | -0.039 | -0.035 | -0.049 | -0.059 | -0.029 | 0.171 | 0.093 | 0.152 | 0.063 | 0.192 | -0.809 | -5.989 | 129.822 -0.967 |
| Leading Indicator ( $1992=1.000$ ) | 1.067 | 1.072 | 1.090 | 1.091 | 1.099 | 1.101 | 1.113 | 1.122 | 1.123 |  | 1.010 | 1.013 | 1.092 |
| Percent Change | 0.5 | 0.5 | 0.2 | 0.1 | 0.7 | 0.2 | 1.1 | 0.8 | 0.1 |  | -3.1 | 1.013 | $7.8$ |
| New Orders, Mfg. (Bil. \$) | 406.3 | 408.0 | 411.1 | 411.3 | 423.7 | 420.7 | 426.1 | 432.0 | 445.6 |  | 451.7 | 371.3 | 416.1 |
| Percent Change | 3.0 | 0.4 | 0.5 | 0.0 | 3.0 | -0.7 | 1.3 | 1.4 | 3.1 |  | -1.0 | -17.8 | 12.1 |
| Inv. Chg., Mfg. \& Trade (Bil. \$) | 3.1 | 8.5 | 15.5 | 11.7 | 18.2 | 10.6 | 5.0 | 11.8 |  |  | -8.3 | -145.6 | 106.8 |
| Merchandise Trade Bal. (Bil. \$) | -46.2 | -50.7 | -53.8 | $-57.8$ | -55.6 | -49.6 | -50.4 | -52.5 |  |  | -816.2 | -503.6 | 106.8 -633.9 |
| Consumer Markets |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Disposable Income (Bil. 2005\$) | 10099 | 10107 | 10263 | 10291 | 10276 | 10296 | 10313 | 10328 | 10368 |  | 10043 | 10100 | 10239 |
| Percent Change | -0.2 | 0.1 | -0.2 | 0.3 | -0.1 | 0.2 | 0.2 | 0.1 | 0.4 |  | 1.7 | 1016 |  |
| Personal Income (Bil. \$) | 12324 | 12337 | 12559 | 12615 | 12612 | 12675 | 12708 | 12764 | 12897 |  | 12391 | 0.6 12175 | 1.4 12545 |
| Percent Change | 0.2 5.7 | 0.1 | 0.1 | 0.4 | 0.0 | 0.5 | 0.3 | 0.4 | 1.0 |  | 4.0 | 12175 -1.7 | 12545 3.0 |
| Personal Saving Rate (\%) | 5.7 | 5.4 | 6.1 | 6.1 | 5.8 | 5.5 | 5.4 | 5.4 | 5.8 |  | 4.1 | -1.7 5.9 | 3.0 5.8 |
| Consumer Expenditures (Bil. \$) Percent Change | 10183 0.1 | 10230 0.5 | 10322 0.3 | 10373 0.5 | 10404 | 10478 | 10512 | 10569 | 10593 |  | 10104 | 10001 | 10351 |
| Retail Sales (Bil. \$) | 0.1 354.1 | 0.5 357.3 | 0.3 362.8 | 0.5 366.0 | 0.3 369.4 | 0.7 | 0.3 | 0.5 | 0.2 |  | 3.0 | -1.0 | 3.5 |
| Percent Change | 0.2 | 0.9 | 0.5 | 0.9 | 369.4 0.9 | 1.6 | 0.8 | 0.5 | 0.3 |  | 4409.4 | 4129.3 | 4397.9 |
| Non-Auto. Retail Sales (Bil. \$) | 294.6 | 298.7 | 300.1 | 303.2 | 305.6 | 308.2 | 310.8 | 0.5 311.8 | 312.7 |  | -1.0 3624.3 | -6.4 3439.4 | 6.5 3637.3 |
| Percent Change | 0.4 | 1.4 | 0.3 | 1.0 | 0.8 | 0.8 | 310.8 0.9 | 31.8 0.3 | 312.7 0.3 |  | 3624.3 2.3 | 3439.4 -5.1 | 3637.3 5.8 |
| New Light-Vehicle Sales (Mil.) | 10.7 | 10.5 | 11.5 | 11.4 | 11.7 | 12.2 | 12.2 | 12.5 | 12.6 | 13.4 | 13.2 | 10.4 | 11. |
| Housing Starts (Mil.) | 0.612 | 0.605 | 0.550 | 0.614 | 0.601 | 0.533 | 0.548 | 0.520 | 0.596 | 13.4 | 0.900 | 10.4 0.554 | 11.5 0.585 |
| New Home Sales (Mil.) | 0.349 | 0.347 | 0.283 | 0.274 | 0.317 | 0.280 | 0.281 | 0.325 | 0.284 |  | 0.900 | 0.554 0.374 | 0.585 |
| Existing Home Sales (Mil.) | 5.090 | 5.020 | 3.860 | 4.240 | 4.410 | 4.380 | 4.640 | 5.220 | 0.284 5.360 |  | 0.482 4.894 | 0.374 5.149 | 0.321 4.918 |
| Chg. Consumer Install. Credit (Bil. \$) | -2.1 | -11.9 | -5.5 | -5.0 | 0.0 | 7.2 | 4.640 1.3 | 5.1 4.1 | 5.360 5.0 |  | $\begin{array}{r} 4.894 \\ 38.9 \end{array}$ | $5.149$ | $4.918$ |
| Prices and Wages |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CPI, All Urban Consumers | 2.175 | 2.176 | 2.176 | 2.181 | 2.184 | 2.190 | 2.192 |  |  |  |  |  |  |
| Percent Change Year Earlier | 2.6 | 2.2 | 1.3 | 2.2 | 2.184 | 2.1 1.2 | 2.192 1.1 | 2.202 1.4 | 2.211 1.7 |  | 2.153 3.8 | 2.145 -0.3 | $\begin{array}{r} 2.181 \\ 1.6 \end{array}$ |
| Core Cons. Price Defl. (2005=100.0) | 109.8 | 109.9 | 110.3 | 110.3 | 110.3 | 110.4 | 110.5 | 110.5 | 110.7 |  | 107.2 | -0.3 108.8 | 110.2 |
| Percent Change Year Earlier | 1.8 | 1.7 | 1.3 | 1.2 | 1.1 | 0.9 | 0.9 | 0.8 | 0.8 |  | 107.2 2.3 | 108.8 1.5 | 110.2 1.3 |
| PPI, Finished Goods | 1.789 | 1.782 | 1.786 | 1.797 | 1.802 | 1.813 | 1.825 | 1.841 | 1.855 |  | 1.772 | 1.727 | 1.800 |
| Percent Change Year Earlier | 4.7 | 4.4 | 4.0 | 3.2 | 3.9 | 4.3 | 3.5 | 4.1 | 3.7 |  | 1.772 6.4 | 1.727 -25 | 1.800 |
| PPI, Industrial Commodities (NSA) | 1.846 | 1.836 | 1.867 | 1.875 | 1.868 | 1.887 | 1.897 | 1.915 | 1.937 |  | 6.4 1.923 | -2.5 1.749 | 4.2 1.871 |
| Percent Change Year Earlier | 7.0 | 7.5 | 6.9 | 5.5 | 5.6 | 6.1 | 1.897 5.3 | 1.915 6.2 | 1.937 4.9 |  | 1.923 9.8 | 1.749 -9.1 | 1.871 |
| Avg. Private Hourly Earnings (\$) | 18.91 | 18.93 | 19.08 | 19.13 | 19.14 | 19.23 | 19.24 | 19.23 | 4.9 19.33 |  | 18.09 | 18.6 | 7.0 19.07 |
| Percent Change Year Earlier | 2.7 | 2.5 | 2.4 | 2.4 | 2.2 | 2.5 | 19.24 | 19.23 2.0 | 19.33 2.2 | $2.1$ | 18.09 3.8 | 18.63 3.0 | 19.07 2.4 |
| West Texas Int. Crude Oil (\$/bbl.) | 78.21 | 76.42 | 76.18 | 76.82 | 75.31 | 81.90 | 84.14 | 89.04 | 89.42 | 89.58 | 99.61 | 3.0 61.69 | 2.4 79.41 |
| Percent Change Year Earlier | 87.4 | 95.1 | 18.9 | 8.1 | 8.4 | 8.0 | $\begin{array}{r}7.8 \\ \hline\end{array}$ | 19.8 | 14.3 | 89.58 17.2 | 99.61 37.8 | 61.69 -38.1 | 79.41 28.7 |
| Henry Hub Spot Natural Gas (\$/mmbtu) | 5.81 | 5.32 | 4.63 | 4.31 | 3.90 | 3.43 | 3.73 | 4.24 | 4.49 | 4.09 | 8.85 | -38.1 3.95 | 28.7 4.39 |
| Percent Change Year Earlier | 11.0 | 17.9 | 36.7 | 36.8 | 29.6 | -14.7 | 0.9 | -20.3 | -22.6 | -23.2 | 8.85 26.8 | 3.95 -55.4 | 4.39 11.1 |
| Financial Markets |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Federal Funds Rate (\%) | 0.11 | 0.13 | 0.18 | 0.19 | 0.19 | 0.19 | 0.19 | 0.18 | 0.17 | 0.16 | 1.93 | 0.16 | 0.18 |
| 3-Month T-Bill Rate (\%) | 0.06 | 0.11 | 0.16 | 0.16 | 0.15 | 0.13 | 0.14 | 0.14 | 0.15 | 0.13 | 137 | 0.15 | 0.14 |
| Commercial Bank Prime Rate (\%) | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 3.25 | 1.37 5.09 | 0.15 3.25 | 0.14 3.25 |
| Moody's Aaa Corp. Bond Yield (\%) | 5.26 | 5.35 | 4.72 | 4.49 | 4.53 | 4.68 | 4.87 | 5.02 | 5.04 | 5.22 | 5.09 5.63 | 5.25 | 4.25 |
| 10-Year Treasury Note Yield (\%) | 3.73 | 3.69 | 3.01 | 2.70 | 2.65 | 2.54 | 2.76 | 5.02 3.29 | 5.04 3.39 | 5.22 3.58 | 5.63 3.67 | 5.31 3.26 | 4.94 |
| Conv. Mortgage Rate, FHLMC (\%) | 5.03 | 4.99 | 4.56 | 4.43 | 4.35 | 4.23 | 4.30 | 4.71 | 3.39 4.76 | 3.58 4.95 | 3.67 6.04 | 3.26 504 | 3.21 |
| M1 Money Supply (Bil. \$) | 1681 | 1703 | 1731 | 1752 | 1775 | 1784 | 1822 | 1832 | 4.76 1854 | 4.95 | 6.04 1433 | 5.04 1637 | 4.69 1744 |
| Percent Change | -0.7 | 1.3 | 0.2 | 1.2 | 1.3 | 0.5 | 1822 2.1 | 1832 0.6 | 1854 1.2 |  | 1433 157 | 1637 5.6 | 1744 7.9 |
| M2 Money Supply (Bil. \$) | 8470 | 8537 | 8615 | 8661 | 8709 | 8748 | 8786 | 8816 | 8838 |  | 15.7 7817 | 5.6 8432 | 7.9 8629 |
| Percent Change | -0.7 | 0.8 | 0.2 | 0.5 | 0.6 | 0.5 | 8786 0.4 | 8816 0.3 | 8838 0.2 |  | 7817 9.6 | 8432 | 8629 |
| Trade-Weighted US\$, 18 Countries 30.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Morgan Guaranty Index (1990=100.0) | 83.4 | 84.6 | 85.1 | 84.3 | 83.5 | 81.0 | 81.2 | 81.9 | 80.8 | 80.2 | 82.8 | 87.3 |  |
| Percent Change | 0.3 | 1.5 | -1.9 | -0.9 | -0.9 | -3.0 | 0.3 | 0.8 | -1.3 | -0.8 | -32.8 | 87.3 5.4 | 83.8 |
| Percent Change Year Earlier | -7.5 | -8.7 | -1.6 | -1.2 | -1.1 | -2.7 | -1.9 | -1.5 | -3.0 | -0.8 | -3.5 | 5.4 | -4.0 |
| Real Morgan Guaranty Index | 86.8 | 87.9 | 88.6 | 88.0 | 86.8 | 83.5 | 83.7 | 84.5 | 82.9 | 82.1 | 82.5 |  |  |
| Percent Change | 0.2 | 1.3 | -1.4 | -0.7 | -1.3 | -3.8 | 0.2 | 0.9 | -1.8 | -1.0 | -3.0 | 91.2 10.6 | 86.8 -4.8 |
| Percent Change Year Earlier | -7.6 | -9.0 | -2.2 | -1.6 | -1.6 | -3.6 | -2.9 | -2.5 | -4.4 | -6.6 | -3.0 | 10.6 | -4.8 |

TABLE 2
Summary of the U.S. Economy
$\begin{array}{lllllllllllll}2010: 3 & 2010: 4 & 2011: 1 & 2011: 2 & 2011: 3 & 2011: 4 & 2012: 1 & 2012: 2 & 2012: 3 & 2012: 4 & 2013: 1 & 2013: 2 & 2013: 3\end{array}$

| Composition of Real GDP, Percent | , Ann | Rate |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Gross Domestic Product | 2.6 | 2.8 | 3.3 | 4.2 | 3.0 | 3.6 | 2.1 | 2.6 | 3.0 | 3.4 | 2.1 | 3.3 | 3.3 |
| Final Sales of Domestic Product | 0.9 | 6.7 | 2.1 | 2.9 | 2.6 | 3.7 | 2.9 | 3.1 | 3.1 | 3.6 | 2.4 | 3.3 | 2.9 |
| Total Consumption | 2.4 | 4.1 | 2.5 | 3.2 | 2.9 | 3.2 | 2.4 | 2.5 | 2.1 | 2.4 | 1.6 | 1.8 | 1.6 |
| Durables | 7.6 | 21.0 | 9.2 | 6.2 | 5.6 | 7.5 | 5.8 | 6.2 | 3.3 | 5.5 | 4.8 | 4.3 | 2.1 |
| Nondurables | 2.5 | 4.8 | 1.6 | 3.0 | 3.0 | 2.9 | 1.5 | 1.6 | 1.7 | 1.4 | 0.7 | 1.1 | 1.1 |
| Services | 1.6 | 1.4 | 1.8 | 2.7 | 2.5 | 2.6 | 2.2 | 2.2 | 2.0 | 2.2 | 1.4 | 1.7 | 1.7 |
| Nonresidential Fixed Investment | 10.0 | 5.3 | 4.2 | 12.7 | 13.7 | 11.1 | 2.4 | 5.9 | 7.5 | 8.5 | -1.3 | 7.9 | 8.9 |
| Equipment \& Software | 15.4 | 5.5 | 10.6 | 17.5 | 18.6 | 16.3 | 4.4 | 7.8 | 9.1 | 10.3 | -4.3 | 5.5 | 6.9 |
| Information Processing Equipment | 8.8 | 11.5 | 3.0 | 15.3 | 11.0 | 11.4 | 0.7 | 5.7 | 6.2 | 8.2 | -2.5 | 5.5 | 7.2 |
| Computers \& Peripherals | 1.3 | 18.0 | 6.6 | 38.1 | 17.4 | 17.8 | -5.1 | 13.2 | 20.1 | 23.2 | 0.2 | 12.0 | 23.2 |
| Communications Equipment | 21.1 | 14.3 | -6.6 | 19.3 | 21.9 | 23.1 | 5.7 | 10.0 | 7.0 | 9.7 | -12.4 | 6.4 | 6.7 |
| Industrial Equipment | 6.9 | 10.9 | 25.9 | 22.4 | 23.0 | 20.3 | 2.9 | 7.0 | 5.6 | 7.2 | -13.7 | 0.6 | 2.0 |
| Transportation equipment | 64.4 | -25.4 | 34.3 | 14.7 | 56.4 | 35.4 | 34.5 | 18.9 | 27.3 | 16.7 | 6.8 | 7.4 | 8.7 |
| Aircraft | 150.5 | -60.1 | 6.6 | 16.6 | 19.4 | 18.2 | 10.2 | 15.9 | 11.9 | 17.1 | -3.1 | 5.6 | 7.2 |
| Other Equipment | 19.4 | 6.1 | 8.9 | 21.9 | 16.3 | 15.1 | -3.2 | 6.4 | 7.2 | 14.8 | -9.1 | 8.9 | 9.0 |
| Structures | -3.5 | 4.5 | -12.2 | -0.3 | -0.1 | -4.5 | -4.0 | -0.6 | 1.9 | 2.1 | 10.0 | 16.5 | 16.0 |
| Commercial \& Health Care | -11.4 | -14.4 | -20.1 | 1.3 | -1.0 | 5.6 | 7.1 | 14.1 | 5.5 | 10.2 | 28.0 | 37.1 | 34.5 |
| Manufacturing | -39.4 | -29.8 | -13.4 | -4.1 | -10.6 | -7.9 | -3.9 | 10.5 | 16.1 | 18.1 | 27.1 | 37.1 | 27.4 |
| Power \& Communication | -26.6 | 81.9 | -22.0 | 11.9 | -2.7 | -8.8 | -12.7 | -12.9 | -4.8 | -12.2 | -5.5 | -1.7 | 5.6 |
| Mining \& Petroleum | 64.4 | 5.0 | 1.3 | -9.8 | 7.1 | -10.4 | -9.3 | -13.3 | -9.1 | -6.4 | -3.1 | 4.6 | 2.3 |
| Other | -15.4 | -19.4 | -9.0 | 2.8 | -1.8 | 2.2 | 4.5 | 14.9 | 16.9 | 14.2 | 13.0 | 12.3 | 10.0 |
| Residential Fixed Investment | -27.3 | 2.7 | -1.2 | 12.8 | 13.7 | 20.6 | 24.1 | 37.5 | 39.1 | 33.6 | 21.8 | 19.6 | 13.6 |
| Exports | 6.7 | 9.6 | 10.1 | 9.7 | 10.9 | 9.4 | 9.3 | 7.8 | 8.1 | 7.9 | 8.7 | 8.5 | 9.2 |
| Imports | 16.8 | -12.4 | 4.4 | 12.4 | 13.2 | 5.0 | 2.2 | 5.6 | 6.2 | 3.7 | 1.6 | 4.2 | 5.4 |
| Federal Government | 8.8 | -0.2 | -4.1 | 0.9 | -2.0 | -2.5 | -4.1 | -4.1 | -3.6 | -3.6 | -3.0 | -2.5 | -2.2 |
| State \& Local Government | 0.7 | -2.4 | $-2.7$ | -1.3 | -1.6 | -2.5 | -1.6 | 1.0 | 0.6 | -1.0 | 0.6 | 2.0 | 1.6 |

## Billions of Dollars

Real GDP
$\begin{array}{llllllllllllllllll}13278.5 & 13370.1 & 13478.0 & 13616.9 & 13718.5 & 13839.8 & 13913.0 & 14001.9 & 14104.1 & 14223.9 & 14298.3 & 14414.2 & 14531.4\end{array}$


| Prices \& Wages, Percent Change, A | Rate |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| GDP Deflator | 2.1 | 0.4 | 1.4 | 1.7 | 2.6 | 0.7 | 1.6 | 1.1 | 1.6 | 1.6 | 1.8 | 1.6 | 1.6 |
| Consumer Prices | 1.4 | 2.6 | 5.1 | 1.0 | 2.0 | 2.0 | 1.7 | 1.4 | 2.3 | 1.9 | 1.9 | 2.1 | 2.1 |
| Producer Prices, Finished Goods | 1.1 | 7.2 | 10.6 | 4.0 | -1.0 | 1.7 | 0.6 | 1.1 | 0.7 | 2.2 | 1.4 | 1.5 | 1.5 |
| Employment Cost Index - Total Comp. | 1.8 | 1.8 | 2.6 | 2.1 | 2.1 | 2.1 | 2.6 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.5 |
| Other Key Measures |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Oil - WTI (\$ per barrel) | 76.11 | 84.98 | 92.95 | 94.00 | 91.67 | 93.67 | 93.67 | 94.66 | 95.66 | 96.66 | 97.66 | 98.66 | 99.49 |
| Productivity (\%ch., saar) | 2.3 | 2.6 | 2.3 | 1.1 | 0.6 | 0.7 | -0.5 | 0.2 | 0.7 | 1.1 | 0.0 | 1.3 | 1.4 |
| Total Industrial Production (\%ch., saar) | 6.2 | 3.2 | 6.8 | 5.1 | 4.9 | 3.8 | 2.2 | 2.4 | 3.0 | 3.5 | 3.5 | 4.2 | 4.3 |
| Factory Operating Rate | 72.4 | 73.0 | 74.4 | 75.5 | 76.5 | 77.1 | 76.9 | 77.0 | 77.4 | 77.8 | 77.5 | 78.0 | 78.6 |
| Nonfarm Inven. Chg. (Bil. 2005 \$) | 116.6 | 5.7 | 40.3 | 80.4 | 94.3 | 91.7 | 68.2 | 51.6 | 48.6 | 45.3 | 34.0 | 35.0 | 47.1 |
| Consumer Sentiment Index | 68.3 | 71.3 | 75.6 | 77.5 | 77.3 | 78.4 | 80.6 | 80.7 | 79.1 | 79.5 | 79.0 | 79.6 | 82.0 |
| Light Vehicle Sales (Mil. units, saar) | 11.56 | 12.31 | 12.90 | 12.84 | 13.39 | 13.93 | 14.41 | 14.83 | 15.08 | 15.42 | 15.74 | 16.03 | 16.10 |
| Housing Starts (Mil. units, saar) | 0.588 | 0.534 | 0.592 | 0.634 | 0.703 | 0.793 | 0.898 | 1.030 | 1.177 | 1.271 | 1.343 | 1.423 | 1.488 |
| Exist. House Sales (Total, Mil. saar) | 4.170 | 4.747 | 5.169 | 5.032 | 5.112 | 5.194 | 5.329 | 5.473 | 5.775 | 5.871 | 5.871 | 5.830 | 5.904 |
| Unemployment Rate (\%) | 9.6 | 9.6 | 8.9 | 8.9 | 8.8 | 8.6 | 8.5 | 8.3 | 8.2 | 8.0 | 7.9 | 7.7 | 7.6 |
| Payroll Employment (\%ch., saar) | -0.2 | 0.8 | 1.2 | 1.8 | 1.8 | 2.0 | 2.1 | 1.9 | 1.9 | 2.2 | 1.8 | 2.1 | 2.4 |
| Federal Surplus (Unified, nsa, bil. \$) | -290.2 | -369.0 | -524.8 | -206.2 | -321.1 | -345.9 | -386.6 | -64.0 | -239.2 | -280.9 | -309.4 | 9.5 | -167.7 |
| Current Account Balance (Bil. \$) | -508.9 | -460.6 | -550.4 | -548.5 | -548.5 | -584.0 | -540.3 | -536.4 | -542.6 | -536.3 | -539.9 | -556.1 | -562.1 |
| Financial Markets, NSA |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Federal Funds Rate (\%) | 0.19 | 0.19 | 0.16 | 0.16 | 0.16 | 0.20 | 0.27 | 0.72 | 1.59 | 2.52 | 3.22 | 3.50 | 3.50 |
| 3-Month Treasury Bill Rate (\%) | 0.15 | 0.14 | 0.14 | 0.19 | 0.30 | 0.41 | 0.60 | 0.90 | 1.77 | 2.65 | 3.25 | 3.46 | 3.47 |
| 10-Year Treasury Note Yield (\%) | 2.79 | 2.86 | 3.49 | 3.58 | 3.61 | 3.65 | 3.69 | 3.75 | 3.91 | 4.27 | 4.62 | 4.70 | 4.70 |
| 30 -Year Fixed Mortgage Rate (\%) | 4.45 | 4.42 | 4.89 | 5.00 | 5.01 | 5.05 | 5.10 | 5.16 | 5.32 | 5.69 | 6.05 | 6.13 | 6.13 |
| S\&P 500 Stock Index | 1096 | 1204 | 1311 | 1320 | 1340 | 1365 | 1375 | 1395 | 1420 | 1440 | 1460 | 1478 | 1495 |
| (Four-Quarter \% change) | 10.0 | 10.6 | 16.9 | 16.3 | 22.2 | 13.4 | 4.9 | 5.7 | 6.0 | 5.5 | 6.2 | 5.9 | 5.3 |
| Exchange Rate, Major Trading Partners | 0.905 | 0.870 | 0.860 | 0.860 | 0.872 | 0.873 | 0.870 | 0.881 | 0.889 | 0.892 | 0.893 | 0.890 | 0.887 |
| (\% change, annual rate) | -8.5 | -14.4 | -4.7 | 0.0 | 5.7 | 0.5 | -1.4 | 5.3 | 3.6 | 1.4 | 0.3 | -1.1 | -1.4 |
| Incomes |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Personal Income (\% ch., saar) | 2.5 | 3.9 | 7.8 | 5.5 | 5.2 | 4.1 | 0.7 | 4.5 | 4.7 | 5.0 | 4.2 | 5.0 | 4.8 |
| Real Disposable Income (\%ch., saar) | 1.0 | 1.4 | 2.2 | 4.1 | 2.8 | 1.9 | -2.6 | 2.6 | 1.8 | 2.4 | -0.9 | 1.7 | 2.2 |
| Saving Rate (\%) | 6.0 | 5.4 | 5.4 | 5.7 | 5.7 | 5.4 | 4.2 | 4.2 | 4.2 | 4.1 | 3.5 | 3.4 | 3.5 |
| After-Tax Profits (Billions of \$) | 1416 | 1357 | 1227 | 1196 | 1192 | 1179 | 1211 | 1215 | 1232 | 1260 | 1426 | 1435 | 1458 |
| (Four-quarter \% change) | 27.2 | 10.4 | -10.4 | -13.5 | -15.9 | -13.1 | -1.3 | 1.6 | 3.4 | 6.8 | 17.7 | 18.2 | 18.3 |

TABLE 3
Summary of the U.S. Economy

| - U. | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Composition of Real GDP, Percent Change |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gross Domestic Product | 3.6 | 3.1 | 2.7 | 1.9 | 0.0 | -2.6 | 2.8 | 3.2 | 2.9 | 2.9 | 3.3 | 3.0 | 2.8 |
| Final Sales of Domestic Product | 3.2 | 3.2 | 2.6 | 2.2 | 0.5 | -2.1 | 1.4 | 3.0 | 3.1 | 3.0 | 3.2 | 3.1 | 2.8 |
| Total Consumption | 3.5 | 3.4 | 2.9 | 2.4 | -0.3 | -1.2 | 1.8 | 3.0 | 2.6 | 1.9 | 2.2 | 2.6 | 2.6 |
| Durables | 6.6 | 5.2 | 4.1 | 4.2 | -5.2 | -3.7 | 7.6 | 9.8 | 5.9 | 4.2 | 3.4 | 5.4 | 5.1 |
| Nondurables | 3.2 | 3.4 | 2.8 | 2.0 | -1.1 | -1.2 | 2.8 | 2.9 | 2.1 | 1.2 | 1.4 | 1.8 | 2.1 |
| Services | 2.9 | 3.0 | 2.7 | 2.2 | 0.9 | -0.8 | 0.5 | 2.0 | 2.3 | 1.8 | 2.4 | 2.4 | 2.4 |
| Nonresidential Fixed Investment | 6.0 | 6.7 | 7.9 | 6.7 | 0.3 | -17.1 | 5.6 | 9.1 | 7.7 | 5.7 | 8.6 | 5.6 | 3.9 |
| Equipment \& Software | 7.7 | 8.5 | 7.4 | 3.7 | -2.4 | -15.3 | 15.1 | 13.7 | 10.6 | 4.7 | 6.6 | 3.8 | 3.2 |
| Information Processing Equipment | 9.4 | 7.3 | 8.3 | 8.9 | 6.1 | 0.2 | 13.3 | 9.8 | 6.9 | 4.3 | 6.1 | 6.6 | 6.2 |
| Computers \& Peripherals | 11.4 | 11.7 | 23.1 | 14.0 | 13.3 | -1.5 | 26.8 | 17.7 | 12.4 | 13.6 | 16.2 | 15.1 | 16.0 |
| Communications Equipment | 8.5 -2.8 | 1.8 | 10.8 | 15.7 | 2.6 | 0.3 | 13.2 | 11.6 | 12.7 | 2.3 | 6.2 6.7 | 7.1 7.0 | 16.0 5.7 |
| Industrial Equipment <br> Transportation equipment | -2.8 15.6 | 8.3 11.9 | 8.3 | 4.0 -5.5 | -4.2 | -23.3 | 5.7 | 20.2 | 10.8 | -0.7 | 3.6 | 2.1 | 1.3 |
| Transportation equipment Aircraft | 15.6 11.0 | 11.9 -12.5 | 8.1 -6.4 | -5.5 30.5 | -23.0 | -51.5 | 60.9 | 24.1 | 30.4 | 12.2 | 8.3 | -7.9 | -7.1 |
| Other Equipment | 11.1 6.1 | -12.5 8.8 | -6.4 3.7 | 30.5 -0.7 | -4.2 -3.7 | -19.4 -22.3 | -3.0 9.1 | 2.1 138 | 14.9 8.1 | 7.0 4.8 | 5.9 | 4.0 | 2.9 |
| Structures | 1.1 | 1.4 | 9.2 | 14.1 | 5.9 | -20.4 | -13.8 | 13.8 -3.2 | 8.1 -1.7 | 4.8 9.1 | 9.3 15.3 | 8.4 | 4.7 |
| Commercial \& Health Care | 2.5 | -0.9 | 6.1 | 10.0 | -3.7 | -29.9 | -25.4 | -10.3 | -1.7 | 9.1 23.9 | 29.9 | 11.0 20.2 | 6.0 8.5 |
| Manufacturing | 4.9 | 17.3 | 10.3 | 18.2 | 24.5 | 7.6 | -32.0 | -18.9 | 0.6 | 24.5 | 21.9 | 13.4 | 8.5 10.5 |
| Power \& Communication | -17.0 | -2.3 | 7.8 | 39.2 | 9.1 | 2.5 | -9.5 | 1.8 | -8.4 | -4.3 | 7.5 | 4.8 | -2.3 |
| Mining \& Petroleum Other | 16.4 | 10.3 | 14.5 | 6.1 | 6.5 | -35.5 | 26.5 | 8.4 | -8.2 | -3.0 | 1.0 | -2.2 | 3.5 |
| Other Residential Fixed Investment | 1.4 | -5.5 | 9.2 | 15.4 | 12.6 | -18.7 | -27.4 | -8.9 | 7.2 | 13.0 | 11.9 | 11.2 | 7.8 |
| Residential Fixed Investment Exports | 9.8 9.5 | 6.2 | -7.3 9 | -18.7 9.3 | -24.0 | -22.9 | -3.0 | 2.8 | 26.5 | 24.3 | 11.6 | 4.8 | 0.9 |
| Exports <br> Imports | 9.5 11.0 | 6.7 6.1 | 9.0 6.1 | 9.3 2.7 | 6.0 -2.6 | -9.5 -13.8 | 11.8 127 | 9.5 6.5 | 9.0 50 | 8.4 | 8.6 | 7.6 | 7.2 |
| Federal Government | 4.1 | 1.3 | 2.1 | 1.2 | -2.6 7.3 | -13.8 5.7 | 12.7 4.8 | 6.5 0.2 | 5.9 -3.1 | 4.0 -3 | 5.3 | 4.1 | 4.3 |
| State \& Local Government | -0.2 | -0.2 | 0.9 | 1.4 | 0.3 | -0.9 | -1.4 | -1.6 | -1.0 | - 0.8 | -1.9 | -0.9 0.9 | -0.2 1.0 |

Billions of Dollars
Real GDP
Real GDP
Nominal GDP

Prices \& Wages, Percent Change
GDP Deflator
11867.812638 .413398 .914061 .814369 .114119 .114657 .815347 .916027 .816766 .717669 .018542 .319411 .3

Consumer Prices
Producer Prices, Finished Goods
Employment Cost Index - Total Comp.

## Other Key Measures

Oil - WTI (\$ per barrel)
Productivity (\%ch.)
Total Industrial Production (\%ch.)
Factory Operating Rate
Nonfarm Inven. Chg. (Bil. 2005 \$)
Consumer Sentiment Index
Light Vehicle Sales (Mil. units)
Housing Starts (Mil. units)
Exist. House Sales (Total, Mil. units)
Unemployment Rate (\%)
Payroll Employment (\%ch.)

| 2.8 | 3.3 | 3.3 | 2.9 | 2.2 | 0.9 | 1.0 | 1.5 | 1.5 | 1.6 | 2.0 | 1.9 | 1.8 |
| :--- | :--- | :--- | :--- | :--- | ---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2.7 | 3.4 | 3.2 | 2.9 | 3.8 | -0.3 | 1.6 | 2.5 | 1.8 | 2.0 | 2.3 | 2.1 | 2.1 |
| 3.6 | 4.9 | 2.9 | 3.9 | 6.4 | -2.5 | 4.2 | 4.8 | 1.0 | 1.5 | 1.8 | 1.4 | 1.6 |
| 3.8 | 3.1 | 2.9 | 3.1 | 2.9 | 1.5 | 1.8 | 2.1 | 2.2 | 2.4 | 2.7 | 2.8 | 2.9 |

Federal Surplus (Unified, FY, bil. \$)
Current Account Balance (Bil. \$)

| 41.47 | 56.56 | 66.12 | 72.18 | 99.76 | 61.77 | 79.45 | 93.07 | 95.16 | 99.02 | 102.27 | 106.20 | 110.06 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 2.8 | 1.6 | 0.9 | 1.6 | 1.0 | 3.7 | 3.8 | 1.5 | 0.3 | 0.8 | 1.6 | 1.6 | 1.9 |
| 2.3 | 3.2 | 2.2 | 2.7 | -3.3 | -9.3 | 5.7 | 5.3 | 3.2 | 3.6 | 4.0 | 3.3 | 3.1 |
| 76.2 | 78.5 | 79.1 | 79.6 | 75.0 | 67.2 | 71.8 | 75.9 | 77.3 | 78.3 | 80.0 | 80.5 | 81.0 |
| 58.3 | 49.8 | 63.2 | 28.7 | -39.0 | -116.9 | 55.0 | 76.7 | 53.4 | 42.6 | 56.0 | 40.2 | 50.0 |
| 95.2 | 88.6 | 87.3 | 85.6 | 63.8 | 66.3 | 71.8 | 77.2 | 80.0 | 81.0 | 85.1 | 85.2 | 87.2 |
| 16.87 | 16.95 | 16.50 | 16.09 | 13.19 | 10.40 | 11.55 | 13.26 | 14.93 | 16.01 | 16.64 | 17.05 | 17.25 |
| 1.950 | 2.073 | 1.812 | 1.342 | 0.900 | 0.554 | 0.585 | 0.680 | 1.094 | 1.447 | 1.658 | 1.738 | 1.756 |
| 6.727 | 7.076 | 6.516 | 5.675 | 4.894 | 5.149 | 4.918 | 5.127 | 5.612 | 5.896 | 6.265 | 6.479 | 6.409 |
| 5.5 | 5.1 | 4.6 | 4.6 | 5.8 | 9.3 | 9.6 | 8.8 | 8.3 | 7.7 | 7.0 | 6.4 | 6.0 |
| 1.1 | 1.7 | 1.8 | 1.1 | -0.6 | -4.4 | -0.7 | 1.2 | 2.0 | 2.0 | 2.1 | 1.7 | 1.4 |
| -412.8 | -318.7 | -248.2 | -161.5 | -454.8 | -1415.7 | -1294.2 | -1421.1 | -1035.7 | -748.5 | -653.7 | -65.0 | -733.1 |

Financial Markets, NSA
Federal Funds Rate (\%)
3-Month Treasury Bill Rate (\%)
10-Year Treasury Note Yield (\%)
$\left.\begin{array}{rrrrrrrrrrrrr}1.35 & 3.21 & 4.96 & 5.02 & 1.93 & 0.16 & 0.18 & 0.17 & 1.28 & 3.43 & 3.62 & 4.68 & 4.8 \\ 1.36 & 3.13 & 4.72 & 4.38 & 1.40 & 0.15 & 0.14 & 0.26 & 1.48 & 3.41 & 3.61 & 4.54 & 4.60 \\ 4.27 & 4.29 & 4.79 & 4.63 & 3.67 & 3.26 & 3.21 & 3.58 & 3.91 & 4.68 & 4.79 & 5.62 & 5.67 \\ 5.84 & 5.86 & 6.42 & 6.33 & 6.04 & 5.04 & 4.69 & 4.99 & 5.32 & 6.11 & 6.22 & 7.05 & 7.10 \\ 1131 & 1207 & 1311 & 1477 & 1221 & 947 & 1139 & 1334 & 1407 & 1487 & 1565 & 1653 & 1754 \\ 17.3 & 6.8 & 8.6 & 12.7 & -17.3 & -22.5 & 20.3 & 17.1 & 5.5 & 5.7 & 5.3 & 5.6 & 6.1 \\ 1.020 & 1.000 & 0.985 & 0.930 & 0.888 & 0.926 & 0.898 & 0.866 & 0.883 & 0.890 & 0.876 & 0.865 & 0.857 \\ -8.2 & -1.9 & -1.5 & -5.6 & -4.5 & 4.3 & -3.0 & -3.6 & 2.0 & 0.7 & -1.5 & -1.3 & -1.0 \\ & & & & & & & & & & & & \\ 6.0 & 5.5 & 7.5 & 5.7 & 4.0 & -1.7 & 3.0 & 5.3 & 3.7 & 4.7 & 5.7 & 5.6 & 5.4 \\ 3.4 & 1.3 & 4.0 & 2.3 & 1.7 & 0.6 & 1.4 & 2.5 & 1.2 & 1.4 & 3.2 & 3.4 & 3.2 \\ 3.4 & 1.4 & 2.4 & 2.1 & 4.1 & 5.9 & 5.8 & 5.6 & 4.2 & 3.6 & 4.3 & 4.9 & 5.4 \\ 923 & 1228 & 1349 & 1293 & 1025 & 1062 & 1381 & 1199 & 1229 & 1451 & 1550 & 1477 & 1494 \\ 40.0 & 33.0 & 9.9 & -4.2 & -20.7 & 3.6 & 30.1 & -13.2 & 2.6 & 18.0 & 6.8 & -4.7 & 1.1\end{array}\right]$

## TABLE 4

Alternative Scenarios of the U.S. Economy

|  | 2010:4 | 2011:1 | 2011:2 | 2011:3 | 2011:4 | 2012:1 | \| 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| The Recovery Accelerates (Prob. $=20 \%$ ) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Composition of Real GDP, Percent | e, Ann | al Rate |  |  |  |  |  |  |  |  |  |  |  |
| Gross Domestic Product | 2.8 | 4.2 | 5.3 | 5.0 | 5.0 | 3.4 | 2.8 | 3.9 | 4.0 | 3.5 | 3.6 | 3.1 | 3.0 |
| Total Consumption | 4.1 | 2.8 | 4.4 | 4.2 | 4.3 | 3.5 | 1.8 | 3.5 | 3.7 | 2.8 | 2.8 | 2.8 | 2.7 |
| Nonresidential Fixed Investment | 5.3 | 10.5 | 14.0 | 19.4 | 14.7 | 9.6 | 5.6 | 11.9 | 11.9 | 8.5 | 9.1 | 5.9 | 4.6 |
| Residential Fixed Investment | 2.7 | 3.7 | 27.8 | 26.3 | 28.8 | 26.1 | -3.0 | 8.5 | 30.4 | 28.6 | 13.4 | 5.9 3.5 | 4.6 |
| Exports | 9.6 | 12.3 | 11.4 | 14.3 | 12.2 | 11.3 | 11.8 | 11.0 | 10.9 | 28.6 8.2 | 13.4 8.0 | 3.5 7.6 | 0.2 75 |
| Imports | -12.4 | 7.2 | 16.1 | 17.3 | 9.7 | 7.7 | 12.7 | 8.7 | 9.8 | 6.4 | 6.1 | 3.9 | 4.2 |
| Federal Government | -0.2 | -4.1 | 0.9 | -2.0 | -2.5 | -4.1 | 4.8 | 0.2 | -3.1 | -3.0 | -1.9 | - -0.9 | 4.2 -0.2 |
| State \& Local Government | -2.4 | -2.7 | -1.3 | -1.4 | -2.0 | -0.9 | -1.4 | -1.5 | -0.4 | 1.2 | 1.6 | -0.9 | -0.9 |
| Prices \& Wages, Percent Change, Annual Rate |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Consumer Prices | 2.6 | 5.1 | 0.3 | 1.8 | 1.5 | 1.5 | 1.6 | 2.3 | 1.5 | 1.7 | 1.8 | 1.8 | 1.9 |
| Producer Prices, Finished Goods | 7.2 | 10.3 | 2.1 | -1.5 | 0.5 | -0.1 | 4.2 | 4.2 | 0.2 | 0.9 | 1.2 | 1.1 | 1.3 |
| Employment Cost Index - Total Comp. | 1.8 | 2.9 | 2.4 | 2.6 | 2.5 | 2.9 | 1.8 | 2.3 | 2.6 | 2.6 | 2.8 | 3.0 | 1.3 3.3 |
| Other Key Measures |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Productivity (\%ch., saar) | $\begin{array}{r}84.9 \\ \hline\end{array}$ | 92.65 3 | 90.00 0.9 | 81.10 | 86.30 | 85.50 | 79.45 | 89.01 | 85.75 | 87.20 | 89.34 | 94.97 | 98.92 |
| Total Industrial Production (\%ch., saar) | 3.2 | 8.2 | 6.7 | 8.0 | 6.4 | -0.2 4.9 | 3.8 5.7 | 1.9 65 | 0.6 5.1 | 1.1 | 9 | 2.0 | 2.3 |
| Nonfarm Inven. Chg. (Bil. 2005 \$) | 5.7 | 45.7 | 92.9 | 120.0 | 128.8 | 113.0 | 55.0 | 96.8 | 90.8 | 4.0 61.7 | 3.9 64.7 | 3.1 428 | 3.0 |
| Consumer Sentiment Index | 71.3 | 75.9 | 83.4 | 84.3 | 88.3 | 89.0 | 71.8 | 83.0 | 87.9 | 90.0 | 91.9 | 42.8 91.0 | 50.2 |
| Light Vehicle Sales (Mil. units, saar) | 12.31 | 13.09 | 13.49 | 14.37 | 15.01 | 15.53 | 11.55 | 13.99 | 16.09 | 17.71 | 91.9 18.09 | 91.0 17.96 | 92.5 174 |
| Housing Starts (Mil. units, saar) | 0.534 | 0.619 | 0.710 | 0.823 | 0.924 | 1.052 | 0.585 | 0.769 | 1.245 | 1.671 | 1.889 | 1.938 |  |
| Unemployment Rate (\%) | 9.6 | 8.9 | 8.6 | 8.3 | 7.9 | 7.7 | 9.6 | 8.4 | 7.3 | 6.5 | 1.889 5.8 | 1.938 5.3 | 1.940 5.1 |
| Payroll Employment (\%ch., saar) | 0.8 | 1.2 | 2.8 | 2.5 | 2.6 | 3.0 | -0.7 | 1.5 | 2.7 | 2.5 | 2.1 | 1.5 | 1.2 |
| Federal Surplus (Unified, FY, bil. \$) | -369.0 | -522.7 | -200.3 | $-310.2$ | -332.7 | -370.7 | -1294.2 | -1402.1 | -971.2 | -626.8 | -482.5 | -470.2 | 1.2 -558.8 |
| Financial Markets, NSA <br> Federal Funds Rate (\%) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10-Year Treasury Note Yield (\%) | 2.86 | 3.55 | 4.00 | 4.50 | 4.50 | 4.50 | 0.18 3.21 | 0.64 4.14 | 2.56 4.44 | 3.25 4.19 | 3.37 | 4.43 | 4.50 |
| Incomes |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Personal Income (\% ch., saar) | 3.9 | 8.0 | 6.5 | 6.4 | 5.7 | 2.2 | 3.0 | 5.8 | 4.9 | 5.0 |  |  |  |
| After-Tax Profits (Four-qtr.\% change) | 10.4 | -9.1 | -12.4 | -12.8 | -9.3 | 1.7 | 30.1 | -10.9 | 4.6 | 18.6 | 5.6 4.5 | 5.2 -6.4 | $\begin{array}{r} 5.2 \\ -0.2 \end{array}$ |
| The Recovery Skids on Oil (Prob. $=\mathbf{2 0 \%}$ ) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Composition of Real GDP, Percent Change, Annual Rate |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gross Domestic Product | 2.8 | 1.8 | 1.7 | -1.4 | 0.5 | 1.0 | 2.8 |  |  |  |  |  |  |
| Total Consumption | 4.1 | 1.8 | 0.3 | -0.5 | -0.1 | 0.8 | 1.8 | 1.7 | 0.6 | 2.8 1.3 | 3.0 1.9 | 2.6 2.3 | 2.4 2.3 |
| Nonresidential Fixed Investment | 5.3 | 2.3 | 6.6 | 3.8 | 2.4 | -1.9 | 5.6 | 5.6 | 2.3 | 5.3 | 9.1 | 5.3 | 2.3 |
| Residential Fixed Investment | 2.7 | -6.1 | -13.1 | -20.0 | -3.5 | 18.1 | -3.0 | -8.8 | 14.1 | 32.4 | 9.1 13.9 | 5.3 | 3.1 |
| Exports | 9.6 | 9.7 | 6.5 | 5.8 | 2.6 | 5.7 | 11.8 | -8.8 7.7 | 14.1 5.3 | 32.4 7.2 | 13.9 76 | 7.2 59 | 2.6 |
| Imports | -12.4 | 2.9 | 5.4 | 2.3 | -6.7 | -5.7 | 12.7 | 2.8 | 5.3 | 7.2 3.3 | 7.6 50 | 5.9 3.7 | 5.9 3.9 |
| Federal Government | -0.2 | -11.4 | 10.9 | -4.9 | -2.9 | -4.5 | 4.8 | 2.8 -0.3 | -1.5 | 3.3 -3.3 | 5.0 -2.1 | 3.7 | 3.9 |
| State \& Local Government | -2.4 | -2.8 | -1.9 | -2.9 | -3.1 | -3.2 | -1.4 | -0.3 | -3.2 -2.3 | -3.3 0.1 | -2.1 1.3 | -1.0 08 | -0.3 |
| Prices \& Wages, Percent Change, Annual RateConsumer Prices |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Consumer Prices | 2.6 | 5.7 | 5.6 | 3.9 | 1.4 | 1.1 | 1.6 | 3.7 | 1.8 | 2.1 | 2.8 | 2.7 |  |
| Producer Prices, Finished Goods | 7.2 | 12.3 | 15.5 | 4.1 | 1.0 | -0.3 | 4.2 | 7.9 | 1.4 | 1.3 | 2.5 | 2.7 2.1 | 2.9 2.4 |
| Employment Cost Index - Total Comp. | 1.8 | 2.4 | 1.5 | 1.6 | 1.5 | 1.9 | 1.8 | 1.8 | 1.8 | 2.3 | 2.5 2.9 | 2.1 3.2 | 2.4 3.6 |
| Other Key Measures |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Productivity (\%ch., saar) | - 2.6 | 0.9 | 123.06 -0.5 | 130.38 -2.2 | 126.70 -0.1 | 122.01 0.1 | 79.45 3.8 | 119.11 | 115.80 | 111.73 | 114.77 | 118.71 | 122.58 |
| Total Industrial Production (\%ch., saar) | 3.2 | 6.0 | 1.8 | -0.6 | -0.6 | 0.2 | 3.8 5.7 | 0.5 3.5 | 0.0 0.8 | 1.0 4.2 | 1.1 3 | 1.1 | 1.4 2.4 |
| Nonfarm Inven. Chg. (Bil. 2005 \$) | 5.7 | 34.7 | 52.1 | 35.6 | 17.7 | -9.3 | 55.0 | 35.0 | -5.4 | 45.9 | 3.9 48.8 | 2.6 297 | 2.4 375 |
| Consumer Sentiment Index | 71.3 | 74.2 | 67.7 | 65.7 | 67.3 | 68.3 | 71.8 | 68.7 | -59.0 | 45.9 72.0 | 48.8 76.9 | 29.7 79.7 | 37.5 80.0 |
| Light Vehicle Sales (Mil. units, saar) | 12.31 | 12.72 | 11.88 | 11.54 | 11.35 | 11.73 | 11.55 | 11.87 | 12.74 | 14.44 | 15.01 | 19.35 | 80.0 15.44 |
| Housing Starts (Mil. units, saar) | 0.534 | 0.567 | 0.491 | 0.423 | 0.505 | 0.614 | 0.585 | 0.496 | 0.807 | 1.247 | 1.510 | 1.641 | 15.44 1.668 |
| Unemployment Rate (\%) | 9.6 | 9.0 | 9.2 | 9.3 | 9.4 | 9.6 | 9.6 | 9.2 | 9.5 | 9.0 | 8.2 | 7.7 | 7.3 |
| Payroll Employment (\%ch., saar) | 0.8 | 1.0 | 0.5 | -0.1 | 0.2 | 0.7 | -0.7 | 0.6 | 0.6 | 1.6 | 2.1 | 1.8 |  |
| Federal Surplus (Unified, FY, bil. \$) | -369.0 | -507.2 | -234.4 | -345.9 | -381.7 | -431.9 | -1294.2 | -1456.4 | -1212.7 | -937.1 | -902.6 | 1.8 -960.3 | -1060.5 |
| $\begin{array}{lllllllllll}\text { Financial Markets, NSA } & \\ \text { Federal Funds Rate (\%) }\end{array}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Federal Funds Rate (\%) | 0.19 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.18 | 0.16 | 0.37 | 3.67 | 5.31 | 5.87 |  |
| 10-Year Treasury Note Yield (\%) | 2.86 | 3.41 | 3.10 | 3.00 | 3.10 | 3.40 | 3.21 | 3.15 | 3.80 | 5.27 | 6.22 | 6.72 | 6.79 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Personal Income (\% ch., saar) | 3.9 | 7.3 | 3.7 | 2.8 | 1.4 | -1.1 | 3.0 | 4.3 |  |  |  |  |  |
| After-Tax Profits (Four-qtr.\% change) | 10.4 | -11.8 | -14.7 | -24.4 | -26.3 | -13.0 | 30.1 | -19.3 | -1.9 | 25.1 | 6.7 | 6.2 -3.3 | $\begin{aligned} & 6.4 \\ & 1.5 \end{aligned}$ |

March 2011

Short-Term Outlook for Maine

## March 2011 Forecast

|  | $2010: 1$ | $2010: 2$ | $2010: 3$ | $2010: 4$ | $2011: 1$ | $2011: 2$ | $2011: 3$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| 2008 | 2009 | 2010 | 2011 | 2012 |
| :---: | :---: | :---: | :---: | :---: |
| 617.3 | 596.4 | 592.8 | 601.0 | 610.1 |
| 0.0 | -3.4 | -0.6 | 1.4 | 1.5 |
| 58.8 | 52.3 | 50.9 | 51.7 | 53.2 |
| -1.1 | -11.0 | -2.7 | 1.7 | 2.9 |
| 31.3 | 27.6 | 27.1 | 28.1 | 29.4 |
| 5.2 | 4.1 | 4.1 | 4.1 | 4.9 |
| 3.2 | 2.8 | 2.7 | 2.7 | 2.8 |
| 9.3 | 8.3 | 8.3 | 8.6 | 9.1 |
| 27.5 | 24.7 | 23.7 | 23.6 | 23.8 |
| 558.6 | 544.1 | 542.0 | 549.3 | 556.9 |
| 0.1 | -2.6 | -0.4 | 1.4 | 1.4 |
| 32.0 | 27.5 | 27.0 | 27.9 | 27.8 |
| -4.6 | -13.8 | -2.0 | 3.5 | -0.4 |
| 124.9 | 118.9 | 116.9 | 118.4 | 121.2 |
| -0.9 | -4.8 | -1.7 | 1.3 | 2.3 |
| 20.8 | 19.5 | 19.0 | 19.3 | 20.0 |
| 85.6 | 82.1 | 81.0 | 81.6 | 82.8 |
| 16.6 | 15.5 | 15.1 | 15.7 | 16.6 |
| 1.9 | 1.9 | 1.8 | 1.8 | 1.8 |
| 10.5 | 9.2 | 9.1 | 9.2 | 9.6 |
| -6.3 | -12.2 | -1.1 | 1.1 | 3.7 |
| 32.7 | 31.8 | 31.3 | 31.3 | 31.9 |
| -1.5 | -2.7 | -1.7 | 0.2 | 1.8 |
| 25.6 | 25.1 | 24.8 | 24.8 | 25.2 |
| 7.0 | 6.7 | 6.5 | 6.5 | 6.7 |
| 56.5 | 55.4 | 55.7 | 57.4 | 58.8 |
| 4.9 | -2.1 | 0.6 | 3.1 | 2.5 |
| 24.5 | 23.8 | 23.4 | 23.7 | 23.8 |
| 6.9 | 6.9 | 7.0 | 7.0 | 7.1 |
| 25.2 | 24.7 | 25.3 | 26.7 | 27.8 |
| 117.5 | 118.6 | 118.9 | 121.8 | 123.9 |
| 1.2 | 0.9 | 0.3 | 2.4 | 1.7 |
| 19.4 | 19.4 | 19.7 | 20.3 | 20.0 |
| 98.1 | 99.2 | 99.2 | 101.5 | 103.8 |
| 60.2 | 59.3 | 59.9 | 61.6 | 62.4 |
| -0.2 | -1.5 | 1.1 | 2.7 | 1.4 |
| 8.3 | 8.0 | 8.0 | 8.0 | 8.1 |
| 51.9 | 51.2 | 52.0 | 53.5 | 54.3 |
| 19.9 | 19.7 | 19.8 | 20.1 | 20.2 |
| 0.0 | -0.8 | 0.1 | 1.6 | 0.4 |
| 104.4 | 103.6 | 103.3 | 101.6 | 101.1 |
| 0.2 | -0.8 | -0.3 | -1.7 | -0.4 |
| 14.6 | 14.9 | 15.5 | 14.5 | 14.1 |
| 89.9 | 88.7 | 87.8 | 87.0 | 87.0 |
| 664.9 | 641.4 | 641.9 | 648.6 | 652.8 |
| -0.2 | -3.5 | 0.1 | 1.0 | 0.7 |
| 703.0 | 698.6 | 697.0 | 699.6 | 702.8 |
| 64.7 | 64.1 | 63.8 | 63.8 | 63.8 |
| 38.1 | 57.2 | 55.1 | 51.1 | 50.0 |
| 5.4 | 8.2 | 7.9 | 7.3 | 7.1 |
| 3.9 | 0.7 | 1.5 | 2.5 | 1.9 |
| 20.1 | 19.1 | 20.3 | 21.8 | 22.9 |
| 50.7 | 45.2 | 47.4 | 52.5 | 54.8 |
| 8.9 | 8.8 | 8.8 | 9.2 | 9.6 |


|  | $\underline{\mathbf{2 0 1 0}}$ | $\underline{\mathbf{2 0 1 1}}$ | $\underline{\mathbf{2 0 1 2}}$ | $\underline{\mathbf{2 0 1 3}}$ | $\underline{\mathbf{2 0 1 4}}$ | $\underline{\mathbf{2 0 1 5}}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Oil - WTI (\$ per barreI) | 79.45 | 93.07 | 95.16 | 99.02 | 102.27 | 106.20 |
| CPI | $1.6 \%$ | $2.5 \%$ | $1.8 \%$ | $2.0 \%$ | $2.3 \%$ | $2.1 \%$ |
| CPI - Fuels \& Utilities | $10.3 \%$ | $10.5 \%$ | $1.0 \%$ | $3.5 \%$ | $2.6 \%$ | $1.6 \%$ |
| CPI - Fuel Oil | $17.2 \%$ | $19.7 \%$ | $2.1 \%$ | $2.5 \%$ | $1.7 \%$ | $1.6 \%$ |
| CPI - Electricity | $0.1 \%$ | $1.2 \%$ | $1.3 \%$ | $2.3 \%$ | $4.0 \%$ | $2.9 \%$ |
| CPI - Natural Gas | $-2.0 \%$ | $-7.1 \%$ | $1.8 \%$ | $7.1 \%$ | $4.2 \%$ | $1.2 \%$ |
| CPI - Motor Fuel | $18.1 \%$ | $18.1 \%$ | $0.6 \%$ | $3.5 \%$ | $1.8 \%$ | $1.1 \%$ |
| CPI - New Vehicles | $2.1 \%$ | $0.3 \%$ | $0.9 \%$ | $0.8 \%$ | $1.1 \%$ | $1.1 \%$ |
| Personal Saving Rate | $5.8 \%$ | $5.6 \%$ | $4.2 \%$ | $3.6 \%$ | $4.3 \%$ | $4.9 \%$ |
| Maine Population | 1328.5 | 1329.2 | 1330.8 | 1333.2 | 1336.5 | 1340.5 |
| ME Vehicle Registrations | 47.4 | 52.5 | 54.8 | 56.9 | 58.2 | 58.8 |

## Sales \& Use Tax

## Total Taxable Sales



Quarter \& Calendar Year

## Auto/Transportation Taxable Sales



Maine Revenue Services Taxable Sales by Sector In Thousands of Dollars

|  | Feb. '11 | $\%$ Ch. | Feb. '10 | $\%$ Ch. | Feb. '09 |
| :--- | ---: | ---: | ---: | ---: | ---: |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  | $\$ 95,854$ | $-2.3 \%$ | $\$ 98,147$ | $5.3 \%$ | $\$ 93,239$ |
| Building Supply | $\$ 107,837$ | $2.8 \%$ | $\$ 104,909$ | $-0.6 \%$ | $\$ 105,519$ |
| Food Store | $\$ 191,534$ | $-3.6 \%$ | $\$ 198,692$ | $4.9 \%$ | $\$ 189,431$ |
| General Merchandise | $\$ 123,759$ | $2.2 \%$ | $\$ 121,049$ | $7.0 \%$ | $\$ 113,174$ |
| Other Retail | $\$ 233,565$ | $8.3 \%$ | $\$ 215,724$ | $2.5 \%$ | $\$ 210,427$ |
| Auto/Transportation | $\$ 120,671$ | $-1.6 \%$ | $\$ 122,651$ | $3.4 \%$ | $\$ 118,587$ |
| Restaurant | $\$ 19,024$ | $3.5 \%$ | $\$ 18,385$ | $0.3 \%$ | $\$ 18,324$ |
| Lodging | $\$ 892,243$ | $1.4 \%$ | $\$ 879,555$ | $3.6 \%$ | $\$ 848,701$ |
| Consumer Sales | $\$ 141,400$ | $10.9 \%$ | $\$ 127,525$ | $-0.7 \%$ | $\$ 128,373$ |
| Business Operating | $\$ 1,033,644$ | $2.6 \%$ | $\$ 1,007,080$ | $3.1 \%$ | $\$ 977,074$ |


| Average <br> Last 3 Mos. | Moving Total <br> Last 12 Mos. <br> Vs. Prior | YTD Growth <br> CY'11 vs. '10 <br> Thru. Feb. |
| :--- | ---: | ---: |
| Vs. Last Yr. | The <br> \% Change | \% Change |
| $1.9 \%$ | $0.8 \%$ | $-1.2 \%$ |
| $1.7 \%$ | $2.0 \%$ | $2.1 \%$ |
| $-1.4 \%$ | $1.9 \%$ | $-2.6 \%$ |
| $4.1 \%$ | $4.3 \%$ | $2.7 \%$ |
| $6.8 \%$ | $3.9 \%$ | $9.2 \%$ |
| $0.0 \%$ | $3.1 \%$ | $-1.5 \%$ |
| $3.9 \%$ | $8.3 \%$ | $3.6 \%$ |
| $2.3 \%$ | $3.0 \%$ | $2.0 \%$ |
| $7.7 \%$ | $6.5 \%$ | $9.9 \%$ |
| $3.0 \%$ | $3.4 \%$ | $3.0 \%$ |

## Building Supply Taxable Sales January 2001 to Date


$.0101 .01 .0202 .0^{3} .0^{2} 0^{3} .0404 .05 .0206 .06 .02 .07 .07 .08 .02 .08 .0202 .10 .191^{1}$
Jafjuf


Maine Revenue Services Economic Research Division 4/20/2011

## Building Supply Taxable Sales

12 Month Moving Average November 1986 to Date


Maine Revenue Services Economic Research Division 4/20/2011

## Food Store Taxable Sales January 2001 to Date



[^2]
## General Merchandise Taxable Sales January 2001 to Date



[^3]
## Auto/Transportation Taxable Sales January 2001 to Date



## Auto/Transportation Taxable Sales

12 Month Moving Average November 1986 to Date


## Auto/Transportation Sales as Percentage of Total Sales 12 Month Moving Total Dec. 1974 - Date



Maine Revenue Services Economic Research Division 4/20/2011

## Restaurant Taxable Sales January 2001 to Date





## Restaurant Taxable Sales <br> 12 Month Moving Average January 1990 to Date



Maine Revenue Services Economic Research Division 4/20/2011


Maine Revenue Services Economic Research Division 4/20/2011

## Lodging Taxable Sales <br> 12 Month Moving Average January 1990 to Date



## Total Consumer Taxable Sales January 2001 to Date




## Total Taxable Sales January 2001 to Date



Total Maine Taxable Sales

## Growth Rate of 12 Month Moving Total November 1986 to Date



Maine Revenue Services Economic Research Division 4/20/2011

Total Maine Taxable Sales 12 Month Moving Average November 1986 to Date


Maine Revenue Services Economic Research Division 4/20/2011

## Sales \& Service Provider Tax Revenue FY'11 Actual, Budget \& FY'10 Actual



Maine Revenue Services Economic Research Division 4/20/2011

Maine Revenue Services
Sales \& Use Tax and General Fund Service Provider Tax Revenue

| Month | FY'11 Actual | FY'11 Budget | FY'10 Actual | FY'09 Actual | FY'11 Actual vs. Budget | FY'11 Budget vs. FY'10 Actual | FY'11 Actual vs. FY'10 Actual | FY'10 Actual vs. FY'09 Actual |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul | \$93,652,239 | \$91,778,579 | \$90,437,714 | \$102,939,388 | 2.0\% | 1.5\% | 3.6\% | -12.1\% |
| Aug | \$3,291,734 | \$1,176,920 | \$79,210 | \$1,373,743 | 179.7\% | 1385.8\% | 4055.7\% | -94.2\% |
| Sep | \$94,609,737 | \$98,013,078 | \$96,228,300 | \$103,435,596 | -3.5\% | 1.9\% | -1.7\% | -7.0\% |
| Oct | \$90,673,790 | \$90,122,182 | \$88,431,836 | \$96,353,116 | 0.6\% | 1.9\% | 2.5\% | -8.2\% |
| Nov | \$77,669,432 | \$76,875,822 | \$75,400,830 | \$81,320,814 | 1.0\% | 2.0\% | 3.0\% | -7.3\% |
| Dec | \$73,542,626 | \$70,641,141 | \$69,267,533 | \$61,637,775 | 4.1\% | 2.0\% | 6.2\% | 12.4\% |
| Jan | \$100,172,789 | \$95,765,836 | \$94,072,597 | \$96,871,215 | 4.6\% | 1.8\% | 6.5\% | -2.9\% |
| Feb | \$61,268,924 | \$60,763,934 | \$59,620,070 | \$62,041,109 | 0.8\% | 1.9\% | 2.8\% | -3.9\% |
| Mar | \$62,953,205 | \$62,367,425 | \$61,174,209 | \$62,314,049 | 0.9\% | 2.0\% | 2.9\% | -1.8\% |
| Apr | \$0 | \$74,882,161 | \$73,523,849 | \$68,807,350 | -100.0\% | 1.8\% | -100.0\% | 6.9\% |
| May | \$0 | \$68,333,387 | \$72,693,333 | \$67,783,755 | -100.0\% | -6.0\% | -100.0\% | 7.2\% |
| Jun | \$0 | \$171,944,283 | \$173,095,784 | \$169,758,405 | -100.0\% | -0.7\% | -100.0\% | 2.0\% |
|  | =========== |  |  |  |  | $=========$ | $=========$ | $==========$ |
| Total | \$657,834,476 | \$962,664,748 | \$954,025,265 | \$974,636,315 | -31.7\% | 0.9\% | -31.0\% | -2.1\% |
| YTD Mar. | \$657,834,476 | \$647,504,917 | \$634,712,299 | \$668,286,805 | 1.6\% | 2.0\% | 3.6\% | ==== |

## Sales Tax Cash Receipts Year-to-Date FY'11 \& FY'10



Maine Revenue Services Economic Research Division 4/7/2011

Maine Revenue Services
Sales Tax Cash Receipts

|  | FY'11 | FY'10 | YTD FY'11 | YTD FY'10 | Growth Rate | YTD Growth Rate |
| :--- | :--- | :--- | :--- | ---: | ---: | ---: |
| Jul | $\$ 86,997,781$ | $\$ 84,490,717$ | $\$ 86,997,781$ | $\$ 84,490,717$ | $3.0 \%$ | $3.0 \%$ |
| Aug | $\$ 88,026,199$ | $\$ 85,879,571$ | $\$ 175,023,980$ | $\$ 170,370,288$ | $2.5 \%$ | $2.7 \%$ |
| Sep | $\$ 89,669,490$ | $\$ 90,272,558$ | $\$ 264,693,470$ | $\$ 260,642,846$ | $-0.7 \%$ | $1.6 \%$ |
| Oct | $\$ 85,292,458$ | $\$ 83,002,752$ | $\$ 349,985,928$ | $\$ 343,645,598$ | $2.8 \%$ | $1.8 \%$ |
| Nov | $\$ 72,259,257$ | $\$ 70,991,157$ | $\$ 422,245,185$ | $\$ 414,636,755$ | $1.8 \%$ | $1.8 \%$ |
| Dec | $\$ 67,442,115$ | $\$ 63,989,178$ | $\$ 489,687,300$ | $\$ 478,625,933$ | $5.4 \%$ | $2.3 \%$ |
| Jan | $\$ 90,105,489$ | $\$ 85,451,148$ | $\$ 579,792,789$ | $\$ 564,077,081$ | $5.4 \%$ | $2.8 \%$ |
| Feb | $\$ 56,348,822$ | $\$ 54,184,201$ | $\$ 636,141,611$ | $\$ 618,261,282$ | $4.0 \%$ | $2.9 \%$ |
| Mar | $\$ 57,395,926$ | $\$ 55,611,211$ | $\$ 693,537,537$ | $\$ 673,872,493$ | $3.2 \%$ | $2.9 \%$ |
| Apr | $\$ 0$ | $\$ 67,609,139$ | $\$ 693,537,537$ | $\$ 741,481,632$ | $-100.0 \%$ | $-6.5 \%$ |
| May | $\$ 0$ | $\$ 66,733,507$ | $\$ 693,537,537$ | $\$ 808,215,139$ | $-100.0 \%$ | $-14.2 \%$ |
| Jun | $\$ 0$ | $\$ 74,474,860$ | $\$ 693,537,537$ | $\$ 882,689,999$ | $-100.0 \%$ | $-21.4 \%$ |

## Maine Revenue Services

Model Sales Tax Revenue for Selected Categories from the April 2011 Forecast
(millions of dollars)

| Fiscal Years | 2010 | 2011 | 2012 |  | 2013 |  |  | 2014 | 2015 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Personal Consumption |  |  |  |  |  |  |  |  |  |  |  |
| Total motor vehicles | \$121.9 | \$133.0 | 9.1\% | \$143.75 | 8.1\% | \$150.93 | 5.0\% | \$156.98 | 4.0\% | \$161.36 | 2.8\% |
| New autos | \$53.76 | \$58.65 | 9.1\% | \$63.40 | 8.1\% | \$66.57 | 5.0\% | \$69.24 | 4.0\% | \$71.17 | 2.8\% |
| Used Autos | \$30.41 | \$33.18 | 9.1\% | \$35.87 | 8.1\% | \$37.66 | 5.0\% | \$39.17 | 4.0\% | \$40.26 | 2.8\% |
| Other motor vehicles | \$37.71 | \$41.14 | 9.1\% | \$44.48 | 8.1\% | \$46.70 | 5.0\% | \$48.57 | 4.0\% | \$49.93 | 2.8\% |
| Restaurants - consumer | \$139.02 | \$138.77 | -0.2\% | \$143.60 | 3.5\% | \$148.32 | 3.3\% | \$152.67 | 2.9\% | \$156.23 | 2.3\% |
| Lodging - consumer | \$41.67 | \$42.01 | 0.8\% | \$45.83 | 9.1\% | \$49.85 | 8.8\% | \$53.68 | 7.7\% | \$57.05 | 6.3\% |
| Shoes | \$9.63 | \$9.60 | -0.3\% | \$9.88 | 2.9\% | \$10.15 | 2.7\% | \$10.40 | 2.5\% | \$10.59 | 1.8\% |
| Women's clothing | \$37.68 | \$37.72 | 0.1\% | \$39.64 | 5.1\% | \$41.57 | 4.9\% | \$43.36 | 4.3\% | \$44.86 | 3.5\% |
| Men's clothing | \$22.92 | \$22.94 | 0.1\% | \$24.11 | 5.1\% | \$25.28 | 4.9\% | \$26.37 | 4.3\% | \$27.28 | 3.5\% |
| Jewelry and watches | \$12.92 | \$12.98 | 0.5\% | \$13.85 | 6.7\% | \$14.74 | 6.4\% | \$15.58 | 5.7\% | \$16.30 | 4.6\% |
| Toilet articles and preps | \$18.37 | \$18.49 | 0.7\% | \$20.03 | 8.3\% | \$21.64 | 8.0\% | \$23.17 | 7.1\% | \$24.50 | 5.7\% |
| Furniture | \$16.27 | \$16.32 | 0.3\% | \$17.34 | 6.3\% | \$18.39 | 6.1\% | \$19.36 | 5.3\% | \$20.19 | 4.3\% |
| Drugs | \$15.02 | \$14.95 | -0.5\% | \$15.20 | 1.7\% | \$15.43 | 1.5\% | \$15.65 | 1.4\% | \$15.82 | 1.1\% |
| Personal consumption | \$694.33 | \$705.51 | 1.6\% | \$738.99 | 4.7\% | \$771.80 | 4.4\% | \$801.85 | 3.9\% | \$826.42 | 3.1\% |
| Business Intermediate | \$177.83 | \$182.23 | 2.5\% | \$188.86 | 3.6\% | \$196.68 | 4.1\% | \$206.60 | 5.0\% | \$217.11 | 5.1\% |
| Business Investment | \$81.87 | \$84.39 | 3.1\% | \$87.64 | 3.9\% | \$90.94 | 3.8\% | \$94.92 | 4.4\% | \$99.42 | 4.7\% |


| Economy.com November 2010 |  |  |
| :---: | :---: | :---: |
| Cr | Motor Fuels |  |
| 2009 | 202.1900 |  |
| 2010 | 231.6300 | 14.56\% |
| 2011 | 239.4300 | 3.37\% |
| 2012 | 253.3500 | 5.81\% |
| 2013 | 261.2600 | 3.12\% |
| 2014 | 269.5500 | 3.17\% |
| 2015 | 278.0700 | 3.16\% |
| CY | Fuel Oil |  |
| 2009 | 240.2000 |  |
| 2010 | 282.8500 | 17.76\% |
| 2011 | 294.8000 | 4.22\% |
| 2012 | 309.6000 | 5.02\% |
| 2013 | 322.0700 | 4.03\% |
| 2014 | 333.7400 | 3.62\% |
| 2015 | 345.4100 | 3.50\% |
| CY | Natural Gas |  |
| 2009 | 193.6300 |  |
| 2010 | 191.9000 | -0.89\% |
| 2011 | 197.9500 | 3.15\% |
| 2012 | 207.8800 | 5.02\% |
| 2013 | 216.2600 | 4.03\% |
| 2014 | 224.0900 | 3.62\% |
| 2015 | 231.9300 | 3.50\% |
| CY | Electricity |  |
| 2009 | 192.7900 |  |
| 2010 | 195.1300 | 1.21\% |
| 2011 | 203.9000 | 4.49\% |
| 2012 | 214.1400 | 5.02\% |
| 2013 | 222.7600 | 4.03\% |
| 2014 | 230.8300 | 3.62\% |
| 2015 | 238.9100 | 3.50\% |


| CY | Savings Rate |
| :--- | ---: |
|  |  |
| 2009 | $5.93 \%$ |
| 2010 | $5.84 \%$ |
| 2011 | $6.07 \%$ |
| 2012 | $5.65 \%$ |
| 2013 | $5.61 \%$ |
| 2014 | $6.02 \%$ |
| 2015 | $6.40 \%$ |

Target motor vehicle sales
Forecasted Maine sales x average price
Average price New Vehicle Price $\times$ New Vehicle Registrations Registrations Maine

|  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: |
| 2009 | 24,314 | 45,234 | $1,099,815,586$ |  |
| 2010 | 24,129 | 43,536 | $1,05,489,313$ | $-4.5 \%$ |
| 2011 | 24,134 | 46,584 | $1,124,250,865$ | $7.0 \%$ |
| 2012 | 24,272 | 52,325 | $1,270,039,924$ | $13.0 \%$ |
| 2013 | 24,505 | 57,722 | $1,414,473,199$ | $11.4 \%$ |
| 2014 | 24,640 | 58,221 | $1,434,54,442$ | $1.4 \%$ |
| 2015 | 24,726 | 56,072 | $1,386,449,078$ | $-3.4 \%$ |
|  |  |  |  | Nov. 2010 |


| 2010 | $1,075,152,449$ |  |
| :--- | ---: | ---: |
| 2011 | $1,087,370,089$ | $1.1 \%$ |
| 2012 | $1,197,145,395$ | $10.1 \%$ |
| 2013 | $1,342,256,562$ | $12.1 \%$ |
| 2014 | $1,424,506,806$ | $6.1 \%$ |
| 2015 | $1,410,494,745$ | $-1.0 \%$ |



Sales \& Use and Service Provider Taxes: Baseline Forecast FY11 - FY15

|  | FY08 | FY09 | Biennium | FY10 | FY11 | Biennium | FY12 | FY13 | Biennium | FY14 | FY15 | Biennium |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Actuals \& November, 2010 Forecast /1 | \$1,035,157,942 | \$974,636,315 | \$2,009,794,257 | \$954,025,264 | \$962,664,748 | \$1,916,690,012 | \$1,005,031,489 | \$1,054,799,223 | \$2,059,830,712 | \$1,101,703,902 | \$1,137,768,097 | \$2,239,471,999 |
| Growth Rate | 1.4\% | -5.8\% | -0.2\% | -2.1\% | 0.9\% | -4.6\% | 4.4\% | 5.0\% | 7.5\% | 4.4\% | 3.3\% | 8.7\% |
| Technical Adjustments to Prior Forecast 12 | so | so | so | so | so | so | so | so | so | So | So | S0 |
| Economic Assumptions 13 | so | so | so | so | \$9,296,045 | \$9,296,045 | \$10,194,362 | \$4,319,731 | \$14,514,093 | \$1,340,000 | \$4,850,000 | \$6,190,000 |
| Total Adjustments to Prior Forecast | so | so | so | so | \$9,296,045 | \$9,296,045 | \$10,194,362 | \$4,319,731 | \$14,514,093 | \$1,340,000 | \$4,850,000 | \$6,190,000 |
| New Forecast | \$1,035,157,942 | \$974,636,315 | \$2,009,794,257 | \$954,025,264 | \$971,960,793 | \$1,925,986,057 | \$1,015,225,851 | \$1,059,118,954 | \$2,074,344,805 | \$1,103,043,902 | \$1,142,618,097 | \$2,245,661,999 |
| Growth Rate | 1.4\% | -5.8\% | -0.2\% | -2.1\% | 1.9\% | $-4.2 \%$ | 4.5\% | 4.3\% | 7.7\% | 4.1\% | 3.6\% | 8.3\% |

1/ November, 2010 forecast with FY08, FY09, and FY10 actuals.
$2 /$ Technical adjustments refer to all changes in the forecast that are not related to changes from new economic assumptions. Examples of technical changes may be new data, model updates and changes, and court cases that affect revenues.
3/ This line shows the incremental change in baseline revenues as a result of the new economic forecast released by the Consensus Economic Forecasting Committee. In addition, Global Insight's March 2011 forecast is used to estimate the impac of energy prices on sales tax receipts and to target automobile sales growth.

Maine Revenue Services
Economic Research Division

## Individual Income Tax

## Individual Income Tax Withholding



Quarter \& Calendar Year

## YTD Individual Income Tax Revenue FY'11 Actual, Budget \& FY'10 Actual



Maine Revenue Services
Individual Income Tax Revenue

|  | FY'11 Actual | FY'11 Budget | FY'10 Actual | FY'09 Actual | FY'11 Actual vs. Budget | FY'11 Budget vs. FY'10 Actual | FY'11 Actual vs. FY'10 Actual | FY'10 Actual vs. FY'09 Actual |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul | \$98,048,928 | \$98,048,927 | \$106,011,021 | \$113,031,239 | 0.0\% | -7.5\% | -7.5\% | -6.2\% |
| Aug | \$63,334,695 | \$63,334,695 | \$45,365,263 | \$45,901,885 | 0.0\% | 39.6\% | 39.6\% | -1.2\% |
| Sep | \$147,084,980 | \$147,084,980 | \$129,859,317 | \$159,967,180 | 0.0\% | 13.3\% | 13.3\% | -18.8\% |
| Oct | \$101,843,463 | \$101,843,464 | \$105,732,983 | \$122,613,654 | 0.0\% | -3.7\% | -3.7\% | -13.8\% |
| Nov | \$118,528,722 | \$118,528,722 | \$105,446,274 | \$107,137,039 | 0.0\% | 12.4\% | 12.4\% | -1.6\% |
| Dec | \$126,325,861 | \$126,969,213 | \$125,933,530 | \$123,901,804 | -0.5\% | 0.8\% | 0.3\% | 1.6\% |
| Jan | \$151,418,936 | \$142,640,642 | \$137,027,470 | \$164,474,825 | 6.2\% | 4.1\% | 10.5\% | -16.7\% |
| Feb | \$48,465,133 | \$31,269,584 | \$24,274,494 | \$29,142,490 | 55.0\% | 28.8\% | 99.7\% | -16.7\% |
| Mar | \$58,227,540 | \$61,388,882 | \$51,811,689 | \$36,021,026 | -5.1\% | 18.5\% | 12.4\% | 43.8\% |
| Apr | \$0 | \$212,165,628 | \$205,504,367 | \$218,341,426 | -100.0\% | 3.2\% | -100.0\% | -5.9\% |
| May | \$0 | \$97,561,306 | \$97,904,539 | \$82,135,878 | -100.0\% | -0.4\% | -100.0\% | 19.2\% |
| Jun | \$0 | \$169,283,957 | \$163,165,106 | \$162,769,283 | -100.0\% | 3.8\% | -100.0\% | 0.2\% |
| Total | \$913,278,258 | \$1,370,120,000 | \$1,298,036,053 | \$1,365,437,729 | -33.3\% | 5.6\% | -29.6\% | -4.9\% |
| YTD Mar. | \$913,278,258 | \$891,109,109 | \$831,462,041 | \$902,191,142 | 2.5\% | 7.2\% | 9.8\% | -7.8\% |

## 1040 Withholding Year-to-Date FY'11 \& FY'10



Maine Revenue Services Economic Research Division 4/7/2011

## Withholding Tax Revenue 12 Month Moving Total



Maine Revenue Services Research Division 4/7/2011

## Withholding Tax Revenue 12 Month Moving Average



## Withholding Tax Revenue 3 Month Moving Total



## 1040 Estimated Payments Year-to-Date FY'11 \& FY'10



Maine Revenue Services Economic Research Division 4/7/2011

## 1040 Final Payments Year-to-Date FY'11 \& FY'10



Maine Revenue Services Economic Research Division 4/7/2011

1040 Withholding

|  | FY'11 | FY'10 | Growth Rate | FY'11 | FY'10 | Growth Rate |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  |  |  |  |  |  |  |
| Jul | $\$ 101,442,266$ | $\$ 102,392,142$ | $-0.9 \%$ | $\$ 2,912,128$ | $\$ 2,956,364$ | $-1.5 \%$ |
| Aug | $\$ 100,889,441$ | $\$ 95,050,382$ | $6.1 \%$ | $\$ 4,535,459$ | $\$ 3,087,352$ | $46.9 \%$ |
| Sep | $\$ 90,510,630$ | $\$ 78,207,086$ | $15.7 \%$ | $\$ 43,992,895$ | $\$ 44,087,371$ | $-0.2 \%$ |
| Oct | $\$ 87,144,620$ | $\$ 99,646,470$ | $-12.5 \%$ | $\$ 4,014,872$ | $\$ 3,678,147$ | $9.2 \%$ |
| Nov | $\$ 10,614,415$ | $\$ 104,319,189$ | $6.0 \%$ | $\$ 2,842,036$ | $\$ 2,875,966$ | $-1.2 \%$ |
| Dec | $\$ 103,501,434$ | $\$ 99,958,647$ | $3.5 \%$ | $\$ 22,065,876$ | $\$ 21,572,623$ | $2.3 \%$ |
| Jan | $\$ 107,133,941$ | $\$ 96,990,896$ | $10.5 \%$ | $\$ 53,483,396$ | $\$ 45,512,531$ | $17.5 \%$ |
| Feb | $\$ 108,313,830$ | $\$ 100,668,726$ | $7.6 \%$ | $\$ 1,657,888$ | $\$ 2,172,988$ | $-23.7 \%$ |
| Mar | $\$ 103,762,892$ | $\$ 91,965,223$ | $12.8 \%$ | $\$ 3,292,454$ | $\$ 2,978,894$ | $10.5 \%$ |
| Apr | $\$ 0$ | $\$ 95,887,034$ | $-100.0 \%$ | $\$ 0$ | $\$ 25,578,807$ | $-100.0 \%$ |
| May | $\$ 0$ | $\$ 104,280,233$ | $-100.0 \%$ | $\$ 0$ | $\$ 2,273,537$ | -1000 |
| Jun | $\$ 0$ | $\$ 82,047,180$ | $-100.0 \%$ | $\$ 0$ | $\$ 37,293,731$ | $-100.0 \%$ |

1040 Final Payments

| FY'11 | FY'10 | Growth Rate |
| ---: | ---: | ---: |
|  |  |  |
| $\$ 4,811,341$ | $\$ 5,548,425$ | $-13.3 \%$ |
| $\$ 4,598,844$ | $\$ 5,050,296$ | $-8.9 \%$ |
| $\$ 4,435,367$ | $\$ 5,029,186$ | $-11.8 \%$ |
| $\$ 9,610,342$ | $\$ 10,989,096$ | $-12.5 \%$ |
| $\$ 6,137,621$ | $\$ 4,932,766$ | $24.4 \%$ |
| $\$ 4,360,873$ | $\$ 5,196,272$ | $-16.1 \%$ |
| $\$ 4,356,193$ | $\$ 3,027,655$ | $43.9 \%$ |
| $\$ 6,096,598$ | $\$ 5,910,569$ | $3.1 \%$ |
| $\$ 20,221,047$ | $\$ 16,709,204$ | $21.0 \%$ |
| $\$ 0$ | $\$ 123,008,765$ | $-100.0 \%$ |
| $\$ 0$ | $\$ 7,080,135$ | $-100.0 \%$ |
| $\$ 0$ | $\$ 6,856,960$ | $-100.0 \%$ |

## Year-To-Date

1040 Withholding

|  | FY'11 | FY'10 | Growth Rate | FY'11 | FY'10 | Growth Rate | FY'11 | FY'10 | Growth Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul | \$101,442,266 | \$102,392,142 | -0.9\% | \$2,912,128 | \$2,956,364 | -1.5\% | \$4,811,341 | \$5,548,425 | -13.3\% |
| Aug | \$202,331,707 | \$197,442,524 | 2.5\% | \$7,447,587 | \$6,043,716 | 23.2\% | \$9,410,185 | \$10,598,721 | -11.2\% |
| Sep | \$292,842,337 | \$275,649,610 | 6.2\% | \$51,440,482 | \$50,131,087 | 2.6\% | \$13,845,552 | \$15,627,907 | -11.4\% |
| Oct | \$379,986,957 | \$375,296,080 | 1.2\% | \$55,455,354 | \$53,809,234 | 3.1\% | \$23,455,894 | \$26,617,003 | -11.9\% |
| Nov | \$490,601,372 | \$479,615,269 | 2.3\% | \$58,297,390 | \$56,685,200 | 2.8\% | \$29,593,515 | \$31,549,769 | -6.2\% |
| Dec | \$594,102,806 | \$579,573,916 | 2.5\% | \$80,363,266 | \$78,257,823 | 2.7\% | \$33,954,388 | \$36,746,041 | -7.6\% |
| Jan | \$701,236,747 | \$676,564,812 | 3.6\% | \$133,846,662 | \$123,770,354 | 8.1\% | \$38,310,581 | \$39,773,696 | -3.7\% |
| Feb | \$809,550,577 | \$777,233,538 | 4.2\% | \$135,504,550 | \$125,943,342 | 7.6\% | \$44,407,179 | \$45,684,265 | -2.8\% |
| Mar | \$913,313,469 | \$869,198,761 | 5.1\% | \$138,797,004 | \$128,922,236 | 7.7\% | \$64,628,226 | \$62,393,469 | -2.8\% |
| Apr | \$913,313,469 | \$965,085,795 | -5.4\% | \$138,797,004 | \$154,501,043 | -10.2\% | \$64,628,226 | \$185,402,234 | -65.1\% |
| May | \$913,313,469 | \$1,069,366,028 | -14.6\% | \$138,797,004 | \$156,774,580 | -11.5\% | \$64,628,226 | \$192,482,369 | 66.4\% |
| Jun | \$913,313,469 | \$1,151,413,208 | -20.7\% | \$138,797,004 | \$194,068,311 | -28.5\% | \$64,628,226 | \$199,339,329 | -67.6\% |

## Individual Income Tax Refunds Year-to-Date FY'11 \& FY'10


$\square F Y^{\prime} 11 \square$ FY'10 - Growth Rate

Maine Revenue Services Economic Research Division 4/7/2011

## Maine Revenue Services

Individual Income Tax Refunds

| Year-To-Date |  |  |  |  |
| ---: | ---: | ---: | ---: | ---: |
| Month |  |  |  |  |
| FY'11 | FY'10 | FY'11 | FY'10 | Growth Rate |
|  |  |  |  |  |
|  |  |  |  |  |
| $\$ 5,731,876$ | $\$ 7,227,071$ | $\$ 5,731,876$ | $\$ 7,227,071$ | $-21 \%$ |
| $\$ 2,050,550$ | $\$ 3,891,611$ | $\$ 7,782,426$ | $\$ 11,118,682$ | $-30 \%$ |
| $\$ 2,790,707$ | $\$ 1,694,183$ | $\$ 10,573,133$ | $\$ 12,812,865$ | $-17 \%$ |
| $\$ 3,811,881$ | $\$ 7,273,889$ | $\$ 14,385,014$ | $\$ 20,086,754$ | $-28 \%$ |
| $\$ 4,745,060$ | $\$ 9,507,062$ | $\$ 19,130,074$ | $\$ 29,593,816$ | $-35 \%$ |
| $\$ 7,289,895$ | $\$ 4,356,701$ | $\$ 26,419,969$ | $\$ 33,950,517$ | $-22 \%$ |
| $\$ 15,253,196$ | $\$ 11,335,063$ | $\$ 41,673,165$ | $\$ 45,285,580$ | $-8 \%$ |
| $\$ 70,873,027$ | $\$ 88,050,455$ | $\$ 112,546,192$ | $\$ 133,336,035$ | $-16 \%$ |
| $\$ 73,290,192$ | $\$ 64,065,809$ | $\$ 185,836,384$ | $\$ 197,401,844$ | $-6 \%$ |
| $\$ 0$ | $\$ 46,807,462$ | $\$ 185,836,384$ | $\$ 244,209,306$ | $-24 \%$ |
| $\$ 0$ | $\$ 14,762,871$ | $\$ 185,836,384$ | $\$ 258,972,177$ | $-28 \%$ |
| $\$ 0$ | $\$ 14,056,320$ | $\$ 185,836,384$ | $\$ 273,028,497$ | $-32 \%$ |

Individual Income Tax: Baseline Forecast FY11 - FY15

|  | FY08 | FY09 | Biennium | FY10 | FY11 | Biennium | FY12 | FY13 | Biennium | FY14 | FY15 | Biennium |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Actuals \& November, 2010 Forecast /1 | \$1,558,032,664 | \$1,365,437,729 | \$2,923,470,393 | \$1,298,036,055 | \$1,365,364,302 | \$2,663,400,357 | \$1,466,558,381 | \$1,545,715,946 | \$3,012,274,327 | \$1,670,667,036 | \$1,762,107,942 | \$3,432,774,978 |
| Growth Rate | 6.4\% | -12.4\% | 3.3\% | -4.9\% | 5.2\% | -8.9\% | 7.4\% | 5.4\% | 13.1\% | 8.1\% | 5.5\% | 14.0\% |
| Technical Adjustments /2 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Economic Assumptions /3 | \$0 | \$0 | \$0 | \$0 | \$27,338,000 | \$27,338,000 | \$7,403,000 | $(\$ 14,275,000)$ | (\$6,872,000) | (\$58,615,000) | (\$58,959,000) | (\$117,574,000) |
| Total Adjustments to Prior Forecast | \$0 | \$0 | \$0 | \$0 | \$27,338,000 | \$27,338,000 | \$7,403,000 | (\$14,275,000) | (\$6,872,000) | (\$58,615,000) | (\$58,959,000) | (\$117,574,000) |
| New Forecast | \$1,558,032,664 | \$1,365,437,729 | \$2,923,470,393 | \$1,298,036,055 | \$1,392,702,302 | \$2,690,738,357 | \$1,473,961,381 | \$1,531,440,946 | \$3,005,402,327 | \$1,612,052,036 | \$1,703,148,942 | \$3,315,200,978 |
| Growth Rate | 6.4\% | -12.4\% | 3.3\% | -4.9\% | 7.3\% | -8.0\% | 5.8\% | 3.9\% | 11.7\% | 5.3\% | 5.7\% | 10.3\% |

1/ November, 2010 forecast with FY08, FY09, FY10 actuals
$2 /$ Technical adjustments refer to all changes in the forecast that are not related to changes from new economic assumptions. Examples of technical changes may be new data, model updates and changes, and court cases that affect revenues 3 / This line shows the incremental change in baseline revenues as a result of a new economic forecast.

## Corporate Income Tax

YTD Corporate Income Tax Revenue FY'11 Actual, Budget \& FY'10 Actual


Maine Revenue Services Economic Research Division 4/20/2011

Maine Revenue Services
Corporate Income Tax Revenue

\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \& FY'11 Actual \& FY'11 Budget \& FY'10 Actual \& FY'09 Actual \& FY'11 Actual vs. Budget \& FY'11 Budget vs. FY'10 Actual \& FY'11 Actual vs. FY'10 Actual \& FY'10 Actual vs. FY'09 Actual <br>
\hline Jul \& \$9,153,533 \& \$9,153,534 \& \$9,859,328 \& \$7,378,233 \& 0.0\% \& -7.2\% \& -7.2\% \& $$
33.6 \%
$$ <br>
\hline Aug \& $(\$ 331,146)$ \& $(\$ 331,145)$ \& \$1,870,063 \& \$266,189 \& 0.0\% \& 117.7\% \& 117.7\% \& 602.5\% <br>
\hline Sept \& \$35,161,360 \& \$35,161,360 \& \$27,917,095 \& \$31,059,014 \& 0.0\% \& 25.9\% \& 25.9\% \& -10.1\% <br>
\hline Oct \& \$15,924,564 \& \$15,924,564 \& $(\$ 2,898,229)$ \& \$5,221,720 \& 0.0\% \& -649.5\% \& -649.5\% \& -155.5\% <br>
\hline Nov \& \$889,804 \& \$889,805 \& \$2,758,150 \& $(\$ 7,895,916)$ \& 0.0\% \& -67.7\% \& -67.7\% \& -134.9\% <br>
\hline Dec \& \$38,379,059 \& \$36,208,439 \& \$35,072,462 \& \$32,625,706 \& 6.0\% \& 3.2\% \& 9.4\% \& 7.5\% <br>
\hline Jan \& \$8,873,796 \& \$14,508,339 \& \$13,358,756 \& \$4,476,047 \& -38.8\% \& 8.6\% \& -33.6\% \& 198.4\% <br>
\hline Feb \& \$8,008,323 \& \$4,154,712 \& \$4,956,712 \& $(\$ 750,852)$ \& 92.8\% \& -16.2\% \& 61.6\% \& -760.1\% <br>
\hline Mar \& \$28,078,833 \& \$29,914,809 \& \$26,899,368 \& \$20,033,722 \& -6.1\% \& 11.2\% \& 4.4\% \& -760.1\%

34.3\% <br>
\hline Apr \& \$0 \& \$17,352,632 \& \$18,063,589 \& \$18,518,077 \& -100.0\% \& -3.9\% \& -100.0\% \& -2.5\% <br>
\hline May \& \$0 \& \$3,539,991 \& \$5,437,309 \& \$6,273,831 \& -100.0\% \& -34.9\% \& -100.0\% \& -13.3\% <br>
\hline Jun \& \$0 \& \$29,257,374 \& \$31,997,830 \& \$25,880,194 \& -100.0\% \& -8.6\% \& -100.0\% \& -13.3\%
23.6\% <br>
\hline Total \& \$144,138,126 \& \$195,734,414 \& \$175,292,433 \& \$143,085,965 \& -26.4\% \& 11.7\% \& -17.8\% \& 22.5\% <br>
\hline YTD Mar. \& \$144,138,126 \& \$145,584,417 \& \$119,793,705 \& \$92,413,863 \& -1.0\% \& 21.5\% \& 20.3\% \& 29.6\% <br>
\hline
\end{tabular}

## Corporate Estimated Payments Year-to-Date FY'11 \& FY'10



Maine Revenue Services Economic Research Division 4/7/2011

## Corporate Final Payments Year-to-Date FY'11 \& FY'10



Maine Revenue Services Economic Research Division 4/7/2011

Maine Revenue Services
Corporate Income Tax Estimated Payments

|  | Month | Year-To-Date |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FY'11 | FY'10 | Growth Rate | FY'11 | FY'10 | Growth Rate |
| Jul | \$6,798,750 | \$5,042,059 | 34.8\% | \$6,798,750 | \$5,042,059 | 34.8\% |
| Aug | \$1,486,452 | \$3,149,785 | -52.8\% | \$8,285,202 | \$8,191,844 | 1.1\% |
| Sept | \$29,109,541 | \$24,234,237 | 20.1\% | \$37,394,743 | \$32,426,081 | 15.3\% |
| Oct | \$10,010,045 | \$4,907,850 | 104.0\% | \$47,404,788 | \$37,333,931 | 27.0\% |
| Nov | \$3,512,544 | \$3,513,924 | 0.0\% | \$50,917,332 | \$40,847,855 | 24.7\% |
| Dec | \$39,396,276 | \$30,640,487 | 28.6\% | \$90,313,608 | \$71,488,342 | 26.3\% |
| Jan | \$6,717,050 | \$11,381,713 | -41.0\% | \$97,030,658 | \$82,870,055 | 17.1\% |
| Feb | \$5,832,832 | \$2,198,055 | 165.4\% | \$102,863,490 | \$85,068,110 | 20.9\% |
| Mar | \$7,511,250 | \$10,033,754 | -25.1\% | \$110,374,740 | \$95,101,864 | 16.1\% |
| Apr | \$0 | \$16,037,474 | -100.0\% | \$110,374,740 | \$111,139,338 | -0.7\% |
| May | \$0 | \$3,456,553 | -100.0\% | \$110,374,740 | \$114,595,891 | -3.7\% |
| Jun | \$0 | \$25,221,066 | -100.0\% | \$110,374,740 | \$139,816,957 | -21.1\% |

Corporate Income Tax Final Payments and Back Taxes

|  | Month |  | Year-To-Date |  |  |  |
| :--- | :--- | :--- | ---: | ---: | ---: | ---: |
|  | FY'11 | FY'10 | Growth Rate | FY'11 | FY'10 | Growth Rate |
|  | $\$ 2,917,027$ | $\$ 6,167,583$ | $-52.7 \%$ | $\$ 2,917,027$ | $\$ 6,167,583$ | $-52.7 \%$ |
| Jul | $\$ 2,645,427$ | $\$ 1,995,490$ | $32.6 \%$ | $\$ 5,562,454$ | $\$ 8,163,073$ | $-31.9 \%$ |
| Aug | $\$ 8,115,909$ | $\$ 4,541,832$ | $78.7 \%$ | $\$ 13,678,363$ | $\$ 12,704,905$ | $7.7 \%$ |
| Sept | $\$ 8,522,993$ | $\$ 5,891,348$ | $44.7 \%$ | $\$ 22,201,356$ | $\$ 18,596,253$ | $19.4 \%$ |
| Oct | $\$ 2,974,235$ | $\$ 7,267,481$ | $-59.1 \%$ | $\$ 25,175,591$ | $\$ 25,863,734$ | $-2.7 \%$ |
| Nov | $\$ 3,862,102$ | $\$ 6,887,467$ | $-43.9 \%$ | $\$ 29,037,693$ | $\$ 32,751,201$ | $-11.3 \%$ |
| Dec | $\$ 2,731,165$ | $\$ 2,660,099$ | $2.7 \%$ | $\$ 31,768,858$ | $\$ 35,411,300$ | $-10.3 \%$ |
| Jan | $\$ 2,030,998$ | $\$ 3,410,833$ | $-11.1 \%$ | $\$ 34,799,856$ | $\$ 38,822,133$ | $-10.4 \%$ |
| Feb | $\$ 22,498,737$ | $\$ 17,304,732$ | $30.0 \%$ | $\$ 57,298,593$ | $\$ 56,126,865$ | $2.1 \%$ |
| Mar | $\$ 0$ | $\$ 4,028,404$ | $-100.0 \%$ | $\$ 57,298,593$ | $\$ 60,155,269$ | $-4.7 \%$ |
| Apr | $\$ 0$ | $\$ 2,934,634$ | $-100.0 \%$ | $\$ 57,298,593$ | $\$ 63,089,903$ | $-9.2 \%$ |
| May | $\$ 0$ | $\$ 4,301,794$ | $-100.0 \%$ | $\$ 57,298,593$ | $\$ 67,391,697$ | $-15.0 \%$ |

## Corporate Income Tax Refunds Year-to-Date FY'11 \& FY'10



Maine Revenue Services Economic Research Division 4/7/2011

Maine Revenue Services

## Corporate Income Tax Refunds

Month Year-to-Date

FY'11
FY'10
\$728,868
\$708,461
\$2,802,057
\$2,487,642
\$5,395,792
\$4,549,113
\$612,294
\$818,311
\$1,814,605
\$0
\$0
\$0

FY'11
FY'10
\$728,868 \$1,295,880
\$1,437,329 \$2,110,907
\$4,239,386 \$2,684,702
\$6,727,028 \$16,264,658
\$12,122,820
\$16,671,933
\$17,284,227
\$18,102,538
\$19,917,143
\$19,917,143
\$19,917,143
\$19,917,143
\$24,163,891
\$26,437,161
\$27,112,455
\$27,560,961
\$27,977,756
\$29,980,757
\$30,632,861
\$32,159,945

Growth Rate
-44\%
-32\%
58\%
-59\%
-50\%
-37\%
-36\%
-34\%
-29\%
-34\%
-35\%
-38\%

Corporate Income Tax: General Fund Baseline Forecast FY11 - FY15

Actuals \& November, 2010 Forecast /1 Growth Rate

Technical Adjustments to Prior Forecast /2

Economic Forecast $/ 3$

Total Adjustments to Prior Forecast
New Forecast
Growth Rate

| FY08 | FY09 | Biennium | FY10 | FY11 | Biennium | FY12 | FY13 | Biennium | FY14 | FY15 | Biennium |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$184,514,568 | \$143,085,966 | \$327,600,534 | \$175,292,433 | \$200,790,112 | \$376,082,545 | \$209,802,975 | \$230,072,072 | \$439,875,047 | \$252,110,933 | \$267,054,252 | \$519,165,185 |
| 0.4\% | -22.5\% | -11.9\% | 22.5\% | 14.5\% | 14.8\% | 4.5\% | 9.7\% | 17.0\% | 9.6\% | 5.9\% | 18.0\% |
| \$0 | \$0 | \$0 | \$0 | (\$7,307,848) | (\$7,307,848) | (\$6,258,884) | (\$9,912,492) | (\$16,171,375) | (\$10,556,773) | (\$11,477,360) | (\$22,034,132) |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | (\$6,051,549) | (\$11,657,415) | (\$17,708,964) | (\$811,947) | (\$608,517) | (\$1,420,464) |
| \$0 | \$0 | \$0 | \$0 | (\$7,307,848) | (\$7,307,848) | (\$12,310,433) | (\$21,569,907) | (\$33,880,340) | (\$11,368,719) | (\$12,085,877) | (\$23,454,596) |
| \$184,514,568 | \$143,085,966 | \$327,600,534 | \$175,292,433 | \$193,482,264 | \$368,774,697 | \$197,492,542 | \$208,502,165 | \$405,994,707 | \$240,742,214 | \$254,968,375 | \$495,710,589 |
| 0.4\% | -22.5\% | -11.9\% | 22.5\% | 10.4\% | 12.6\% | 2.1\% | 5.6\% | 10.1\% | 15.5\% | 5.9\% | 22.1\% |

1/ November, 2010 forecast with FY08, FY09 and FY10 actuals.

3/ This line shows the incremental change in baseline revenues as a result of a new economic forecast. The new economic forecast is from Global Insight's March 2011 forecast of Corporate pre-tax profits.

## Estate Tax

Estate Tax: General Fund Baseline Forecast FY11 - FY15

|  | FY08 | FY09 | Biennium | FY10 | FY11 | Biennium | FY12 | FY13 | Biennium | FY14 | FY15 | Biennium |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Actuals \& November, 2010 Forecast /1 | \$39,890,577 | \$31,819,188 | \$71,709,765 | \$31,209,840 | \$42,978,079 | \$74,187,919 | \$41,061,512 | \$49,370,677 | \$90,432,189 | \$54,924,035 | \$56,950,563 | \$111,874,598 |
| Growth Rate | -27.2\% | -20.2\% | -44.9\% | -1.9\% | 37.7\% | 3.5\% | -4.5\% | 20.2\% | 21.9\% | 11.2\% | 3.7\% | 23.7\% |
| Technical Adjustments to Prior Forecast /2 | \$0 | \$0 | \$0 | \$0 | \$2,074,708 | \$2,074,708 | (\$5,113,157) | (\$7,654,008) | $(\$ 12,767,165)$ | (\$7,930,794) | (\$7,487,090) | (\$15,417,884) |
| Economic Assumptions $/ 3$ | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total Adjustments to Prior Forecast | \$0 | \$0 | \$0 | \$0 | \$2,074,708 | \$2,074,708 | (\$5,113,157) | (\$7,654,008) | (\$12,767,165) | (\$7,930,794) | (\$7,487,090) | (\$15,417,884) |
| New Forecast | \$39,890,577 | \$31,819,188 | \$71,709,765 | \$31,209,840 | \$42,978,079 | \$74,187,919 | \$35,948,355 | \$41,716,669 | \$77,665,024 | \$46,993,241 | \$49,463,473 | \$96,456,714 |
| Growth Rate | -27.2\% | -20.2\% | -44.9\% | -1.9\% | 37.7\% | 3.5\% | -16.4\% | 16.0\% | 4.7\% | 12.6\% | 5.3\% | 24.2\% |

1/ November, 2010 forecast with FY08, FY09 and FY10 actuals.
$2 /$ Technical adjustments refer to all changes in the forecast that are not related to changes from new economic assumptions. Examples of technical changes may be new data, model updates and changes, and court cases that affect revenues.

3/ This line shows the incremental change in baseline revenues as a result of a new economic forecast. The new economic forecast is Global Insight's March 2011 forecast of Household Net Worth.

## Other Taxes

Maine Revenue Services
Real Estate Transfer Tax

## April 2011 <br> General Fund

Controlling Interest Transactions
MSHA - Maine Energy, Housing \& Economic Recovery Fund
Maine State Housing Authority
MSHA - Maine Energy, Housing \& Economic Recovery Fund
Total

FY'11
FY'12
FY'13
FY'14
FY'15

| $\$ 423,000$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ |
| ---: | ---: | ---: | ---: | ---: |
| $\$ 0$ | $(\$ 1,318,041)$ | $(\$ 1,316,212)$ | $(\$ 1,319,197)$ | $(\$ 1,316,356)$ |
|  |  |  |  |  |
| $\$ 0$ | $\$ 1,318,041$ | $\$ 1,316,212$ | $\$ 1,319,197$ | $\$ 1,316,356$ |
| $\$ 423,000$ | $\$ 0$ | $\$ 0$ | $\$ 0$ | $\$ 0$ |



MRS-79

## Highway Fund

Maine Revenue Services
Highway Fund Motor Fuel Tax Revenue Forecast

| Gasoline Tax Revenue | FY'10 | FY'11 | FY'12 | FY'13 | FY'14 | FY'15 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FY'10 actual \& current budget | \$177,377,553 | \$175,495,891 | \$178,995,140 | \$183,468,408 | \$189,501,909 | \$195,896,157 |
| Growth rate |  | -1.1\% | 2.0\% | 2.5\% | 3.3\% | \$195,896,157 |
| Tax rate per gallon | \$0.295 | \$0.295 | \$0.300 | \$0.304 | \$0.311 | \$0.320 |
| Percentage increase in tax rate |  | 0.0\% | 1.7\% | 1.5\% | 2.3\% | 2.6\% |
| April 2011 forecast |  | \$175,068,405 | \$179,027,608 | \$184,565,080 | \$189,777,881 | \$194,503,672 |
| Growth rate |  | -1.3\% | 2.3\% | 3.1\% | 2.8\% | 2.5\% |
| Tax rate per gallon | \$0.295 | \$0.295 | \$0.300 | \$0.307 | \$0.313 | \$0.319 |
| Percentage increase in tax rate |  | 0.0\% | 1.6\% | 2.5\% | 1.8\% | 2.0\% |
| Variance |  | $(\$ 427,486)$ | \$32,468 | \$1,096,672 | \$275,972 | (\$1,392,485) |
| Special Fuel Tax Revenue | FY'10 | FY'11 | FY'12 | FY'13 | FY'14 | FY'15 |
| FY'10 actual \& current budget | \$41,813,154 | \$40,377,905 | \$40,572,155 | \$41,080,905 | \$42,070,655 | \$42,875,405 |
| Growth rate |  | -3.4\% | 0.5\% | 1.3\% | 2.4\% | 1.9\% |
| Tax rate per gallon | \$0.307 | \$0.307 | \$0.313 | \$0.317 | \$0.325 | \$0.333 |
| Percentage increase in tax rate |  | 0.0\% | 1.7\% | 1.5\% | 2.3\% | 2.6\% |
| April 2011 forecast |  | \$40,478,000 | \$41,033,000 | \$42,115,250 | \$43,132,750 | \$44,131,750 |
| Growth rate |  | -3.2\% | 1.4\% | 2.6\% | 2.4\% | 2.3\% |
| Tax rate per gallon | \$0.307 | \$0.307 | \$0.312 | \$0.320 | \$0.326 | \$0.332 |
| Percentage increase in tax rate |  | 0.0\% | 1.6\% | 2.5\% | 1.8\% | 2.0\% |
| Variance |  | \$100,095 | \$460,845 | \$1,034,345 | \$1,062,095 | \$1,256,345 |
| Total Motor Fuel Tax Revenue | FY'10 | FY'11 | FY'12 | FY'13 | FY'14 | FY'15 |
| FY'10 actual \& current budget | \$219,190,706 | \$215,873,795 | \$219,567,295 | \$224,549,313 | \$231,572,564 | \$238,771,561 |
| Growth rate |  | -1.5\% | 1.7\% | 2.3\% | 3.1\% | 3.1\% |
| April 2011 forecast |  | \$215,546,405 | \$220,060,608 | \$226,680,330 | \$232,910,631 | \$238,635,422 |
| Growth rate |  | -1.7\% | 2.1\% | 3.0\% | 2.7\% | 2.5\% |
| Variance |  | $(\$ 327,390)$ | \$493,313 | \$2,131,017 | \$1,338,067 | $(\$ 136,139)$ |
| Biennium |  | $(\$ 327,390)$ |  | \$2,624,330 |  | \$1,201,928 |

Maine Revenue Services
Motor Fuel Tax Revenue FY'10 Actual and FY'11-'15 Forecast April 2011


Special Fuel Tax Revenue July through March 2011

|  | Budget | Actual |
| :--- | :---: | ---: |
| 311 | $\$ 36,634,160$ | $\$ 36,805,990$ |
| 308 | $(\$ 2,611,813)$ | $(\$ 2,566,779)$ |
| 312 | $\$ 0$ | $(\$ 2,982,417)$ |
| 325 | $(\$ 3,304,157)$ | $(\$ 4,177,012)$ |
| 326 | $(\$ 3,373,645)$ | $\$ 258$ |
| Total | $\$ 27,344,545$ | $\$ 27,080,040$ |

Gasoline Tax Revenue - July through March 2011

|  | Budget | Actual |  |
| :--- | ---: | ---: | ---: |
| 321 | $\$ 134,485,626$ | $\$ 134,559,581$ | $\$ 73,955$ |
| 322 | $(\$ 712,355)$ | $(\$ 292,162)$ | $\$ 420,193$ |
| 329 | $(\$ 10,889,720)$ | $(\$ 10,927,441)$ | $(\$ 37,721)$ |
| 330 | $(\$ 100,000)$ | $(\$ 100,000)$ | $\$ 0$ |
| 333 | $(\$ 750,393)$ | $(\$ 812,648)$ | $(\$ 62,255)$ |
| 334 | $(\$ 201,244)$ | $(\$ 201,940)$ | $(\$ 696)$ |
| 335 | $(\$ 1,146,667)$ | $(\$ 1,150,638)$ | $(\$ 3,971)$ |
| 336 | $(\$ 113,630)$ | $(\$ 114,023)$ | $(\$ 393)$ |
| 337 | $(\$ 1,622,187)$ | $(\$ 1,627,804)$ | $(\$ 5,617)$ |
| 338 | $(\$ 113,630)$ | $(\$ 114,023)$ | $(\$ 393)$ |
| 339 | $(\$ 529,255)$ | $(\$ 531,087)$ | $(\$ 1,832)$ |
| Total | $\$ 118,306,545$ | $\$ 118,687,815$ | $\$ 381,270$ |
|  |  |  |  |
| Total Motor $F$ Fuel Tax Revenue |  | $\$ 116,765$ |  |

## Gallons of Gasoline Derived from Revenue Before Refunds



## Gallons of Special Fuel Derived from Revenue Before Refunds



CPI-U Annual Average All Items
Actual and CEFC Forecast as of April 2011

| 2002 | 179.900 |  |
| :--- | :--- | :--- |
| 2003 | 184.000 | $2.3 \%$ |
| 2004 | 188.900 | $2.7 \%$ Adjust FY'06 motor fuel tax rates |
| 2005 | 195.300 | $3.4 \%$ Adjust FY'07 motor fuel tax rates |
| 2006 | 201.600 | $3.2 \%$ Adjust FY'08 motor fuel tax rates |
| 2007 | 207.342 | $2.8 \%$ Adjust FY'09 motor fuel tax rates |
| 2008 | 215.303 | $3.8 \%$ Adjust FY'10 motor fuel tax rates |
| 2009 | 214.537 | $-0.4 \%$ Adjust FY'11 motor fuel tax rates |
| 2010 | 218.056 | $1.6 \%$ Adjust FY'12 motor fuel tax rates |
| 2011 | 223.507 | $2.5 \%$ Adjust FY''13 motor fuel tax rates |
| 2012 | 227.531 | $1.8 \%$ Adjust FY'14 motor fuel tax rates |
| 2013 | 232.081 | $2.0 \%$ Adjust FY'15 motor fuel tax rates |
| 2014 | 237.419 | $2.3 \%$ Adjust FY'16 motor fuel tax rates |
| 2015 | 242.405 | $2.1 \%$ Adjust FY'17 motor fuel tax rates |


|  | Gas tax rate |  | Spec. Fuel Tax-Diesel Fuel |  |  |
| :--- | ---: | :--- | :--- | :--- | :---: |
| FY'06 | $\$ 0.259000$ |  | $\$ 0.270000$ |  |  |
| FY'07 | $\$ 0.267806$ | $3.4 \%$ | $\$ 0.279180$ | $3.4 \%$ |  |
| FY'08 | $\$ 0.276376$ | $3.2 \%$ | $\$ 0.288114$ | $3.2 \%$ |  |
| FY'09 | $\$ 0.284114$ | $2.8 \%$ | $\$ 0.296181$ | $2.8 \%$ |  |
| FY'10 | $\$ 0.294911$ | $3.8 \%$ | $\$ 0.307436$ | $3.8 \%$ |  |
| FY'11 | $\$ 0.294911$ | $0.0 \%$ | $\$ 0.307436$ | $0.0 \%$ |  |
| FY'12 | $\$ 0.299629$ | $1.6 \%$ | $\$ 0.312355$ | $1.6 \%$ |  |
| FY'13 | $\$ 0.307120$ | $2.5 \%$ | $\$ 0.320164$ | $2.5 \%$ |  |
| FY'14 | $\$ 0.312648$ | $1.8 \%$ | $\$ 0.325927$ | $1.8 \%$ |  |
| FY'15 | $\$ 0.318901$ | $2.0 \%$ | $\$ 0.332445$ | $2.0 \%$ |  |

Rates rounded to the nearest $1 / 10$ th of a percent each year.

|  | Gas tax rate |  | Spec. Fuel Tax - Diesel Fuel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | FY'06 | \$0.259 |  | \$0.270 |  |
|  | FY'07 | \$0.268 | 3.5\% | \$0.279 | 3.3\% |
|  | FY'08 | \$0.276 | 3.1\% | \$0.288 | 3.3\% |
|  | FY'09 | \$0.284 | 2.8\% | \$0.296 | 2.8\% |
|  | FY'10 | \$0.295 | 3.8\% | \$0.307 | 3.8\% |
|  | FY'11 | \$0.295 | 0.0\% | \$0.307 | 0.0\% |
|  | FY'12 | \$0.300 | 1.6\% | \$0.312 | 1.6\% |
|  | FY'13 | \$0.307 | 2.5\% | \$0.320 | 2.5\% |
|  | FY'14 | \$0.313 | 1.8\% | \$0.326 | 1.8\% |
| 完 | FY'15 | \$0.319 | 2.0\% | \$0.332 | 2.0\% |


[^0]:    NOTE: This report has been prepared from preliminary month end figures and is subject to change

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[^2]:    12 Month Moving Total $\leadsto$ Growth Rate

[^3]:    -12 Month Moving Total $\rightleftharpoons$ Growth Rate

