# Montana Departmentof Revenue 

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Director
To:
From: Dan Dodds, Senior Economist
Date: April 4, 2013
Subject: Taxpayer impacts of HB 581.02
The following graphs show impacts of HB581 as passed by House Tax on groups of taxpayers. For each group, there are four graphs. The first shows the percent of returns with a tax increase of at least $5 \%$ or $\$ 50$, the percent with a tax decrease of at least $5 \%$ or $\$ 50$, and the percent with less than $5 \%$ or $\$ 50$ change. The second graph shows the average change in tax liability at different income levels. The third graph shows the same information as the second with the scale expanded to show more detail about changes for returns with low and middle incomes. The fourth graph shows the percentage change in tax liability at different income levels. Tables attached at the end show the data for each set of graphs.

The graphs show returns grouped by

- All Returns (pages 2-5)
- Filing status on 2011 return
o Head of Household (pages 6-9),
o Joint (pages 10-13),
o Married Separate (pages 14-17), and
o Single (pages 18-21)
- Whether taxpayers have dependents
o Dependents (pages 22-25), and
o No Dependents (pages 26-29)
- Age
o Returns with one taxpayer age 65 or older (pages $30-33$ ), and
o Returns with no taxpayer age 65 or older (pages $34-37$ )
- Capital Gains
o Returns with a net loss on the capital gains line (pages 38-41),
0 Returns with zero capital gains (pages 42-45), and
o Returns with a net gain on the capital gains line (pages 46-49),
- Deductions

0 Returns with Itemized Deductions (pages 50-53), and
o Returns taking the Standard Deduction (pages 54-57)

All Returns





## Returns Grouped by Filing Status


















Taxpayers Grouped by Whether They Claimed Dependents









Taxpayers Grouped by Whether Age 65 and Older

## \% With Increase, Decrease \& No Change Taxpayers Under Age 65










Taxpayers Grouped by Whether Have Capital Gains, Losses, or Neither
\% With Increase, Decrease \& No Change Taxpayers With Capital Losses













Taxpayers Grouped by Whether Itemized or Took Standard Deduction









## Head of Household Returns

Total Household Income
ead of Household Retur $\begin{array}{lllll}\text { Returns of } & \text { Increase }> & \text { Decrease > } & \text { Change } \\ 5 \% \text { or } \$ 50 & 5 \% & \text { or } \$ 50 & 5 \% \text { or } \$ 5\end{array}$

Joint Returns
\% with Tax \% with Tax \% with Number of Returns increase > Decrease
$\$ 0,000-\$ 2,000$ $\$ 2,000-\$ 4,000$
$\$ 4,000-\$ 6,000$ $\$ 4,000-\$ 6,000$
$\$ 6,000-\$ 8,00$ $\$ 6,000-\$ 8,000$
$\$ 8,000-\$ 10,000$ $\$ 8,000-\$ 10,000$
$\$ 10,000-\$ 12,000$ $\$ 10,000-\$ 12,000$
$\$ 12,000-\$ 14,000$ $\$ 12,000-\$ 14,000$
$\$ 14,000-\$ 16,000$ $\$ 14,000-\$ 16,000$
$\$ 16,000-\$ 18,000$ $\$ 18,000-\$ 20,000$ $\$ 20,000-\$ 25,000$
$\$ 25,000-\$ 30,000$ $525,000-\$ 30,000$
$\$ 30,000-\$ 35,000$ $\$ 35,000-\$ 40,000$ $\$ 40,000-\$ 45,000$ $\$ 45,000-\$ 50,000$ \$50,000- $\$ 55,000$ \$55,000- $\$ 60,000$ 560,000 - $\$ 65,000$ $\$ 65,000-\$ 70,000$ $\$ 70,000-\$ 75,000$ $\$ 75,000-\$ 80,000$ $\$ 80,000-\$ 90,000$ $\$ 890,000-\$ 100,000$ $\$ 100,000-\$ 110,000$ $\$ 110,000-\$ 120,000$ $\$ 120,000-\$ 130,000$ $130,000-\$ 140,000$
$140,000-\$ 150,000$ $\$ 140,000-\$ 150,000$
$\$ 150,000-\$ 175,000$ $\$ 175,000-\$ 200,000$ $\$ 200,000-\$ 300,000$ $300,000-\$ 400,000$ Over 5500,000 Total


Separate Returns
\% with Tax \% with Tax Number of

Single Filers
$\%$ with Tax $\%$ with Tax $\quad \%$ with

Number of

Increase > Decrease > Change < $\begin{array}{llll}\text { Returns } & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50\end{array}$

All Returns
\% with Tax \% with Tax \% with ber of $\begin{aligned} & \% \text { with Tax } \% \text { with Tax } \\ & \text { Increase > } \\ & \text { Decrease > }\end{aligned}$ Increase > Decrease >

keturns


HB581 - Impacts on Taxpayers by Income Level

Returns with No Dependents

| Total Household Income | Number of Returns | \% with Tax Increase > $5 \%$ or $\$ 50$ | \% with Tax Decrease > $5 \%$ or $\$ 50$ | \% with Change < $5 \%$ or $\$ 50$ |
| :---: | :---: | :---: | :---: | :---: |
| Less Than \$0 | 5,215 | 0\% | 0\% | 100\% |
| \$0,000-\$2,000 | 12,961 | 0\% | 0\% | 100\% |
| \$2,000-\$4,000 | 13,747 | 0\% | 0\% | 100\% |
| \$4,000-\$6,000 | 13,937 | 0\% | 8\% | 92\% |
| \$6,000-\$8,000 | 13,736 | \% | 32\% | 68\% |
| \$8,000-\$10,000 | 12,842 | 0\% | 59\% | 41\% |
| \$10,000-\$12,000 | 12,297 | 0\% | 60\% | 40\% |
| \$12,000-\$14,000 | 11,767 | 2\% | 59\% | 39\% |
| \$14,000-\$16,000 | 11,218 | 5\% | 59\% | 36\% |
| \$16,000-\$18,000 | 10,559 | 11\% | 57\% | 32\% |
| \$18,000-\$20,000 | 10,321 | 16\% | 53\% | 30\% |
| \$20,000-\$25,000 | 22,939 | 23\% | 52\% | 25\% |
| \$25,000-\$30,000 | 19,400 | 32\% | 50\% | 19\% |
| \$30,000-\$35,000 | 16,209 | 35\% | 49\% | 16\% |
| \$35,000-\$40,000 | 13,668 | 40\% | 46\% | 13\% |
| \$40,000-\$45,000 | 12,119 | 44\% | 43\% | 14\% |
| \$45,000-\$50,000 | 10,792 | 45\% | 38\% | 16\% |
| \$50,000-\$55,000 | 9,714 | 45\% | 36\% | 19\% |
| \$55,000-\$60,000 | 8,546 | 49\% | 34\% | 17\% |
| \$60,000-\$65,000 | 7,798 | 52\% | 35\% | 13\% |
| \$65,000-\$70,000 | 7,051 | 54\% | 36\% | 10\% |
| \$70,000-\$75,000 | 6,261 | 54\% | 36\% | 10\% |
| \$75,000-\$80,000 | 5,674 | 54\% | 36\% | 10\% |
| \$80,000-\$90,000 | 9,424 | 51\% | 36\% | 13\% |
| \$90,000- \$100,000 | 7,198 | 46\% | 39\% | 15\% |
| \$100,000-\$110,000 | 5,260 | 42\% | 44\% | 14\% |
| \$110,000-\$120,000 | 3,863 | 35\% | 54\% | 11\% |
| \$120,000-\$130,000 | 2,957 | 29\% | 62\% | 8\% |
| \$130,000-\$140,000 | 2,062 | 25\% | 68\% | 7\% |
| \$140,000-\$150,000 | 1,661 | 21\% | 74\% | 5\% |
| \$150,000-\$175,000 | 2,813 | 19\% | 76\% | 5\% |
| \$175,000-\$200,000 | 1,636 | 15\% | 81\% | 3\% |
| \$200,000-\$300,000 | 2,807 | 19\% | 79\% | 2\% |
| \$300,000-\$400,000 | 946 | 38\% | 59\% | 3\% |
| \$400,000-\$500,000 | 463 | 36\% | 61\% | 3\% |
| Over \$500,000 | 967 | 34\% | 65\% | 1\% |
| Total | 310,828 | 24\% | 42\% | 34\% |

Returns with Dependents
\% with Tax \% with Tax \% with $\begin{array}{ccccccccc}\text { Number of } & \text { Increase > } & \text { Decrease }> & \% \text { with } \\ \text { Change }\end{array}$ $\begin{array}{lllll}\text { Returns } & \text { Increase > } & \text { Decrease > } \$ & \text { Change < } \\ \text { R } & 50 & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50\end{array}$

| Returns with No Taxpayer Age 65 or Over |  |  |  | Returns with Taxpayer Age 65 or Over |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number of Returns | \% with Tax Increase > $5 \%$ or $\$ 50$ | \% with Tax Decrease > $5 \%$ or $\$ 50$ | \% with <br> Change < <br> $5 \%$ or \$50 | Number of Returns | \% with Tax Increase > $5 \%$ or \$50 | \% with Tax <br> Decrease > <br> $5 \%$ or $\$ 50$ | \% with Change < $5 \%$ or $\$ 50$ |
| 3,684 | 0\% | 0\% | 100\% | 2,298 | 0\% | 0\% | 100\% |
| 10,152 | 0\% | 0\% | 100\% | 3,614 | 0\% | 0\% | 100\% |
| 12,764 | 0\% | 0\% | 100\% | 2,315 | 0\% | 0\% | 100\% |
| 13,235 | 0\% | 9\% | 91\% | 2,515 | 0\% | 0\% | 100\% |
| 13,164 | 0\% | 34\% | 66\% | 2,870 | 0\% | 0\% | 100\% |
| 12,548 | 0\% | 60\% | 40\% | 2,934 | 0\% | 1\% | 99\% |
| 12,258 | 0\% | 61\% | 39\% | 3,128 | 0\% | 5\% | 95\% |
| 11,908 | 2\% | 64\% | 34\% | 3,163 | 1\% | 8\% | 91\% |
| 11,470 | 5\% | 68\% | 27\% | 3,164 | 5\% | 10\% | 85\% |
| 11,251 | 7\% | 69\% | 24\% | 2,789 | 15\% | 11\% | 74\% |
| 11,104 | 12\% | 66\% | 23\% | 2,629 | 22\% | 14\% | 63\% |
| 26,006 | 16\% | 65\% | 20\% | 5,441 | 33\% | 17\% | 49\% |
| 22,105 | 20\% | 63\% | 17\% | 4,728 | 47\% | 19\% | 34\% |
| 18,673 | 23\% | 61\% | 15\% | 4,137 | 43\% | 30\% | 27\% |
| 16,401 | 29\% | 57\% | 14\% | 3,331 | 46\% | 35\% | 19\% |
| 14,534 | 32\% | 54\% | 15\% | 3,189 | 49\% | 34\% | 17\% |
| 13,042 | 33\% | 51\% | 16\% | 2,865 | 55\% | 30\% | 15\% |
| 11,799 | 33\% | 49\% | 18\% | 2,845 | 56\% | 29\% | 15\% |
| 10,892 | 34\% | 49\% | 17\% | 2,555 | 59\% | 26\% | 14\% |
| 9,901 | 35\% | 50\% | 15\% | 2,433 | 62\% | 24\% | 13\% |
| 9,219 | 34\% | 53\% | 13\% | 2,321 | 67\% | 22\% | 11\% |
| 8,385 | 34\% | 52\% | 14\% | 2,010 | 71\% | 20\% | 9\% |
| 7,561 | 32\% | 53\% | 14\% | 1,908 | 71\% | 20\% | 8\% |
| 13,161 | 28\% | 56\% | 16\% | 3,206 | 71\% | 21\% | 8\% |
| 10,605 | 22\% | 62\% | 16\% | 2,327 | 69\% | 23\% | 8\% |
| 7,950 | 16\% | 70\% | 13\% | 1,790 | 66\% | 26\% | 8\% |
| 6,000 | 13\% | 78\% | 9\% | 1,294 | 59\% | 31\% | 10\% |
| 4,485 | 10\% | 83\% | 7\% | 997 | 56\% | 35\% | 9\% |
| 3,208 | 8\% | 86\% | 5\% | 703 | 49\% | 42\% | 9\% |
| 2,416 | 8\% | 88\% | 4\% | 589 | 43\% | 47\% | 10\% |
| 3,930 | 7\% | 90\% | 3\% | 1,077 | 36\% | 55\% | 9\% |
| 2,209 | 7\% | 92\% | 2\% | 648 | 27\% | 67\% | 6\% |
| 3,862 | 8\% | 91\% | 1\% | 1,168 | 32\% | 63\% | 4\% |
| 1,353 | 28\% | 69\% | 3\% | 384 | 54\% | 42\% | 4\% |
| 641 | 29\% | 68\% | 2\% | 180 | 0\% | 0\% | 0\% |
| 1,359 | 24\% | 75\% | 1\% | 399 | 49\% | 49\% | 2\% |
|  |  |  |  |  |  |  |  |

Taxpayers with Capital Losses
$\%$ with Tax $\%$ with Tax $\%$ with

| Total Household Income | Number of Returns | $\%$ with $\operatorname{Tax}$ Increase > $5 \%$ or $\$ 50$ | $\%$ with Tax Decrease > $5 \%$ or $\$ 50$ | \% with Change $5 \%$ or \$5 |
| :---: | :---: | :---: | :---: | :---: |
| Less Than \$0 | 2,231 | 0\% | 0\% | 100\% |
| \$0,000-\$2,000 | 1,065 | 0\% | 0\% | 100\% |
| \$2,000-\$4,000 | 955 | 0\% | 0\% | 100\% |
| \$4,000-\$6,000 | 937 | 1\% | 1\% | 99\% |
| \$6,000-\$8,000 | 963 | 0\% | 10\% | 90\% |
| \$8,000-\$10,000 | 893 | 0\% | 19\% | 81\% |
| \$10,000-\$12,000 | 869 | 1\% | 19\% | 80\% |
| \$12,000-\$14,000 | 820 | 2\% | 21\% | 77\% |
| \$14,000-\$16,000 | 860 | 7\% | 22\% | 71\% |
| \$16,000-\$18,000 | 753 | 15\% | 20\% | 65\% |
| \$18,000-\$20,000 | 743 | 23\% | 20\% | 56\% |
| \$20,000-\$25,000 | 1,642 | 30\% | 24\% | 46\% |
| \$25,000-\$30,000 | 1,560 | 42\% | 27\% | 31\% |
| \$30,000-\$35,000 | 1,496 | 42\% | 32\% | 27\% |
| \$35,000-\$40,000 | 1,402 | 44\% | 36\% | 20\% |
| \$40,000-\$45,000 | 1,324 | 48\% | 34\% | 18\% |
| \$45,000-\$50,000 | 1,372 | 47\% | 33\% | 20\% |
| \$5,000-\$55,000 | 1,316 | 45\% | 37\% | 18\% |
| \$55,000-\$60,000 | 1,234 | 50\% | 36\% | 15\% |
| \$60,000-\$65,000 | 1,232 | 49\% | 35\% | 16\% |
| \$65,000-\$70,000 | 1,146 | 51\% | 35\% | 13\% |
| \$70,000-\$75,000 | 1,061 | 50\% | 36\% | 14\% |
| \$75,000-\$80,000 | 1,043 | 51\% | 38\% | 11\% |
| \$80,000-\$90,000 | 1,905 | 47\% | 40\% | 13\% |
| \$90,000-\$100,000 | 1,512 | 41\% | 46\% | 14\% |
| \$100,000-\$110,000 | 1,278 | 37\% | 52\% | 11\% |
| \$110,000-\$120,000 | 1,052 | 26\% | 64\% | 10\% |
| \$120,000-\$130,000 | 847 | 21\% | 71\% | 9\% |
| \$130,000-\$140,000 | 643 | 13\% | 81\% | 6\% |
| \$140,000-\$150,000 | 524 | 10\% | 83\% | 7\% |
| \$150,000-\$175,000 | 993 | 7\% | 88\% | 5\% |
| \$175,000-\$200,000 | 618 | 4\% | 93\% | 3\% |
| \$200,000-\$300,000 | 1,249 | 5\% | 93\% | 1\% |
| \$300,000-\$400,000 | 466 | 20\% | 76\% | 3\% |
| \$400,000-\$500,000 | 242 | 20\% | 78\% | 3\% |
| Over \$ $\$ 500,000$ | 588 | 9\% | 90\% | 1\% |
| Total | 38,834 | 27\% | 37\% | 36\% |

Taxpayers with No Capital Gains
\% with Tax \% with Tax \% with $\begin{array}{ccccc}\text { Number of } & \% \text { with Tax } & \% \text { with Tax } & \% \text { with } \\ \text { Increase > } & \text { Decrease > } & \text { Change < }\end{array}$

Taxpayers with Capital Gains
$\%$ with Tax $\%$ with Tax $\%$ with


Taxpayers Taking the Standard Deduction
Number of $\begin{array}{lll}\text { \% with Tax } & \text { Increase > with Tax } & \text { Decrease }\end{array} \quad$ \% with $\begin{array}{cllll}\text { Number of } & \text { Increase > } & \text { Decrease > } & \text { Change } \\ \text { Returns } & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50 & 5 \% \text { or } \$ 50\end{array}$ Returns $5 \%$ or $\$ 50 \quad 5 \%$ or $\$ 50 \quad 5 \%$ or $\$ 50$

| Tax as Percent of Income - Under and Over 65 |  |
| :---: | :---: |
| tax/Income Current Law |  |
| 6\% |  |
| 5\% |  |
| 4\% |  |
| 3\%- |  |
| 2\% |  |
|  |  |
| Total Household Income$\qquad$ |  |
| Tax as Percent of Income - Under and Over 65 |  |
| Tax/Income HB581 |  |
| 6\% |  |
| 5\% |  |
| 4\% |  |
|  |  |
| 2\% |  |
|  |  |
|  | $\text { —Under Age } 65 \text { —Age 65+ Total Household Income }$ |

Impacts of HB 581 by Decile of Total Household Income

|  |  | Net Change in Liability |  |  |  |  | \% Change in |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Decile | Income Range | \$ million | \% | \% Losers | \% Winners | \% Even | Income |
| 0 | Less than \$0 | \$0.250 | 490\% | 0.0\% | 0.1\% | 99.0\% |  |
| 1 | \$0-\$5,815 | -\$0.376 | -98\% | 0.0\% | 2.0\% | 98.0\% | 0.27\% |
| 2 | \$5,816-\$11,290 | -\$2.183 | -94\% | 0.0\% | 39.9\% | 60.0\% | 0.53\% |
| 3 | \$11,291-\$17,144 | -\$3.274 | -51\% | 3.6\% | 53.8\% | 41.3\% | 0.48\% |
| 4 | \$17,145-\$23,642 | -\$2.508 | -18\% | 15.1\% | 55.7\% | 27.2\% | 0.26\% |
| 5 | \$23,643-\$31,729 | -\$2.604 | -10\% | 23.3\% | 54.6\% | 19.5\% | 0.20\% |
| 6 | \$31,730-\$42,456 | -\$2.929 | -7\% | 29.6\% | 51.7\% | 15.2\% | 0.17\% |
| 7 | \$42,457-\$56,355 | -\$1.146 | -2\% | 33.3\% | 42.9\% | 14.9\% | 0.05\% |
| 8 | \$56,356-\$74,586 | \$0.890 | 1\% | 34.8\% | 39.0\% | 12.0\% | -0.03\% |
| 9 | \$74,587-\$103,203 | -\$0.632 | 0\% | 27.8\% | 39.6\% | 10.9\% | 0.02\% |
| 10 | \$103,204 and Over | -\$15.012 | -3\% | 14.4\% | 59.6\% | 4.6\% | 0.15\% |

