# Roth IRA Rollover/Conversion Report for Mr./Mrs. Rhett I. Erment Report produced January 24, 2003

This report reflects assumptions contained in the attached Notes. This report is not complete unless all pages of the Notes are attached.

Provided that you meet certain minimal requirements (modified Adjusted Gross Income of \$100,000 or less, and a tax filing status other than Married Filing Separately), you are eligible to roll over or convert a traditional Individual Retirement Account (IRA) to a Roth IRA.

The main advantage of the traditional IRA is that no taxes are paid on those funds for as long as they stay in the account.

If you roll over funds to a Roth IRA, or convert your entire IRA to a Roth account, you will have to pay income taxes on this transaction. The principal advantage of the Roth IRA is that all future withdrawals, including any fund earnings, are generally received tax-free. So you pay taxes now, but you avoid what may be much larger taxes in the future.



hich is better? In most cases there is no simple answer to this question. The two options are mathematically equivalent, assuming an equivalent level of investment in either plan, the same pattern of future withdrawals, and no change in tax rates over time. But such exact equivalence is unlikely in reality. A desire to postpone all withdrawals from the plan for as long as possible tends to favor the Roth IRA option, since traditional IRAs are subject to required distributions as you get older. Paying some or all of your taxes out of pocket in the year of the rollover in effect increases your investment in the Roth account, enabling you to shelter more future earnings from taxes, and therefore tends to favor the Roth option.

The fact remains that while we can make assumptions, sometimes very reliable ones, about our own behavior, no one can dependably predict the long-term future of tax legislation, or of other factors that may make a difference. In effect, by making a choice in this matter, you are placing a bet on the future. For most people the most prudent strategy is to hedge the bet by putting some of their funds into each alternative, with more going into the one that seems more likely to perform better.



e have run thousands of simulations in order to make a reasonable evaluation of the most prudent mix using the assumptions specified in the attached notes.

# The outcomes of those simulations suggest that \$340,00<mark>0 (68%) remain in the traditional</mark> IRA, and \$160,000 (32%) be rolled over to a Roth IRA.

In order to minimize taxes, it is probably best to spread your rollover over more than one year. The suggested allocation is approximately as follows: \$22,850 in year 1, \$21,950 in year 2, \$83,586 in year 3, and \$56,894 in year 4. (Fund growth is reflected after the first year). You may wish to adjust these figures depending upon your actual taxable income, however. One rule of thumb is that you generally should not roll over amounts that will put you into the next higher tax bracket. But it is not possible to determine these amounts in advance with complete precision.

Pre-tax

After-tax

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		Traditional IRA										Roth IRA			
Year	Age	Pre-tax Account Opening Balance	Pre-tax Account Transfers	Pre-tax Account Earnings	Pre-tax Account Closing Balance	Side Fund Opening Balance	Side Fund Transfers	Side Fund Earnings	Side Fund Taxes	Side Fund Closing Balance	Total Closing Balance	Account Opening Balance	Account Transfers	Account Earnings	Account Closing Balance
2002 2003 2004 2005 2006	69 70 71 72 72	500,000 540,000 583,200 607,848 632,732	0 0 -22,008 -23,744 25,617	40,000 43,200 46,656 48,628 50,610	540,000 583,200 607,848 632,732 657,734	180,403 190,939 202,090 229,855 260,593	0 0 22,008 23,744 25,617	14,432 15,275 16,167 18,388 20,847	3,897 4,124 10,410 11,396 11,050	190,939 202,090 229,855 260,592 205,007	730,939 785,290 837,703 893,324	500,000 540,000 583,200 629,856 680,244	0 0 0 0	40,000 43,200 46,656 50,388 54,420	540,000 583,200 629,856 680,244 734,664
2008 2007 2008 2009 2010 2011	73 74 75 76 77 78	652,732 657,734 682,717 707,521 731,963 755,993	-27,636 -29,813 -32,160 -34,527 -37,241	52,619 54,617 56,602 58,557 60,479	682,717 707,521 731,963 755,993 779,232	295,097 333,122 374,988 421,210 471,817	27,636 29,813 32,160 34,527 37,241	20,647 23,608 26,650 29,999 33,697 37,745	11,939 13,218 14,597 15,938 17,616 19,490	295,097 333,122 374,988 421,210 471,817 527,314	952,831 1,015,839 1,082,510 1,153,173 1,227,810 1,306,546	734,664 793,437 856,912 925,465 999,502	0 0 0 0 0 0 0	58,773 63,475 68,553 74,037 79,960	793,437 856,912 925,465 999,502 1,079,462
2012 2013 2014 2015 2016	79 80 81 82 83	779,232 801,610 822,872 842,731 860,867	-39,961 -42,867 -45,970 -49,283 -52,814	62,339 64,129 65,830 67,418 68,869	801,610 822,872 842,731 860,867 876,922	527,314 587,985 654,264 726,615 805,539	39,961 42,867 45,970 49,283 52,814	42,185 47,039 52,341 58,129 64,443	21,474 23,627 25,961 28,489 31,225	587,985 654,264 726,615 805,539 891,570	1,389,595 1,477,136 1,569,346 1,666,406 1,768,493	1,079,462 1,165,819 1,259,085 1,359,812 1,468,597	0 0 0 0 0 0	86,357 93,266 100,727 108,785 117,488	1,165,819 1,259,085 1,359,812 1,468,597 1,586,085
2017 2018 2019 2020 2021	84 85 86 87 88	876,922 890,501 901,572 909,756 914,644	-56,576 -60,169 -63,941 -67,892 -72,019	70,154 71,240 72,126 72,780 73,172	890,501 901,572 909,756 914,644 915,797	891,570 985,285 1,087,005 1,197,320 1,316,852	56,576 60,169 63,941 67,892 72,019	71,326 78,823 86,960 95,786 105,348	34,186 37,272 40,587 44,145 47,959	985,285 1,087,005 1,197,320 1,316,852 1,446,261	1,875,786 1,988,577 2,107,076 2,231,497 2,362,058	1,586,085 1,712,971 1,850,009 1,998,010 2,157,850	0 0 0 0 0 0	126,887 137,038 148,001 159,841 172,628	1,712,971 1,850,009 1,998,010 2,157,850 2,330,478
2022 2023 2024 2025 2026	89 90 91 92 93	915,797 912,744 905,698 894,293 878,161	-76,316 -80,065 -83,861 -87,676 -91,475	73,264 73,020 72,456 71,543 70,253	912,744 905,698 894,293 878,161 856,939	1,446,261 1,586,236 1,736,992 1,899,182 2,073,479	76,316 80,065 83,861 87,676 91,475	115,701 126,899 138,959 151,935 165,878	52,042 56,209 60,630 65,313 70,263	1,586,236 1,736,992 1,899,182 2,073,479 2,260,570	2,498,980 2,642,690 2,793,475 2,951,640 3,117,508	2,330,478 2,516,917 2,718,270 2,935,732 3,170,590	0 0 0 0 0	186,438 201,353 217,462 234,859 253,647	2,516,917 2,718,270 2,935,732 3,170,590 3,424,237

## Roth IRA Rollover/Conversion Report for Mr./Mrs. Rhett I. Erment

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		Traditional IRA										Roth IRA				
Year	Age	Pre-tax Account Opening Balance	Pre-tax Account Transfers	Pre-tax Account Earnings	Pre-tax Account Closing Balance	Side Fund Opening Balance	Side Fund Transfers	Side Fund Earnings	Side Fund Taxes	Side Fund Closing Balance	Total Closing Balance	Account Opening Balance	Account Transfers	Account Earnings	Account Closing Balance	
2027	94	856,939	-94,169	68,555	831,325	2,260,570	94,169	180,846	75,191	2,460,393	3,291,718	3,424,237	0	273,939	3,698,176	
2028	95	831,325	-96,666	66,506	801,165	2,460,393	96,666	196,831	80,349	2,673,542	3,474,707	3,698,176	0	295,854	3,994,031	
2029	96	801,165	-98,909	64,093	766,349	2,673,542	98,909	213,883	85,735	2,900,599	3,666,948	3,994,031	0	319,522	4,313,553	
2030	97	766,349	-100,835	61,308	726,821	2,900,599	100,835	232,048	91,344	3,142,138	3,868,960	4,313,553	0	345,084	4,658,637	
2031	98	726,821	-102,369	58,146	682,598	3,142,138	102,369	251,371	97,168	3,398,710	4,081,308	4,658,637	0	372,691	5,031,328	
2032	99	682,598	-101,880	54,608	635,325	3,398,710	101,880	271,897	103,009	3,669,478	4,304,804	5,031,328	0	402,506	5,433,834	
After-t	ax				466,977					3,669,478	4,136,455				5,433,834	

### Pre-tax / After-tax Contribution Report for Mr./Mrs. Rhett I. Erment — Notes

Report produced January 24, 2003

The Roth IRA Rollover/Conversion report illustrates how two different IRA options might compare under a range of hypothetical scenarios.

This illustration uses many assumptions about both the present and the future. Some of these are simplifying assumptions or are intended to be hypothetical, and they will be detailed in the notes that follow. Other elements of the illustration make the more fundamental assumption that the future will be very similar in important ways to the present, including that tax laws (other than tax rates) will not change, and that investment performance will be steady. It is virtually certain that these assumptions will not prove correct. In particular, the pattern of investment performance will differ from the rates of return illustrated. Furthermore, even if the average investment performance matched that illustrated, but the annual performance fluctuated from year to year, you would get results different from those illustrated.

This illustration, therefore, is not intended to predict future results, or to represent the future performance of any financial product. Its purpose is purely to compare pre-tax vs. after-tax retirement savings strategies.

WARNING: This illustration assumes, but does not verify, that you are eligible to convert or roll over your IRA into a Roth IRA. If your modified Adjusted Gross Income exceeds \$100,000, or you file your tax return as Married Filing Separately, you are not eligible.

No voluntary withdrawals are illustrated.

Under current tax law, only the pre-tax contribution fund is subject to required minimum distributions, generally starting after age 70<sup>1</sup>/<sub>2</sub>. This report illustrates such distributions, assuming use of the find regulations issued by the IRS in April 2002. All required distributions are assumed to occur at the end of the year illustrated. (See section on taxation, below, for more information.)

All funds are assumed to earn a net pre-tax annual return of 8.00% (+/- 5.00%) per year before the retirement age of 62 (+/- 7 years). Upon retirement and thereafter, all funds are assumed to earn a net pre-tax of return of 8.00% (+/- 5.00%) per year. These rates are hypothetical and are not intended to reflect the future performance of any actual product.

Any applicable taxes are assumed to be payable at the end of the illustration year. Federal taxes are calculated based on taxable income, using current federal tax tables, as adjusted for annual inflation of 2.50% (+/- 5.00%). Current taxable income has been entered as \$90,000.00, with annual increases until retirement of 3.00% (+/- 5.00%), a decrease at retirement of 30.00% (+/- 20.00%), and annual changes after retirement of 3.00% (+/- 5.00%). Taxes on fund after-tax deposits, where applicable, are calculated as reductions in otherwise taxable income; fund earnings and withdrawals, where applicable, are calculated as additions to other taxable income. Where appropriate, such taxation may overlap more than one tax bracket. The tax filing status is assumed to be Married Filing Jointly for all years. It is assumed that \$180,403.20 in income taxes on the rollover are being paid out of pocket. For the traditional IRA option, where no current tax is required, this amount is instead assumed to be assigned to a side fund, where it grows on a taxable basis. In estimating taxes, any effects of taxable income on allowable deductions, exemptions or tax credits have not been taken into account. It is assumed that you are not subject to the Alternative Minimum Tax. You should review all tax assumptions with your personal tax advisor.

To the extent that required minimum distributions exceed voluntary withdrawals (if any), they are indicated as transfers to the side fund. Income taxes on these amounts are also shown in the side fund account.

The final line on the sample ledger shows the after-tax equivalent of any final balances. The final pre-tax balance is still subject to taxes, so that in order to compare it to the after-tax balance, which is generally not subject to taxes, the pre-tax balance must be reduced. Such reductions, where applicable, are assumed to occur at the marginal tax rate in effect if the reduction were spread over a five-year period.

The sample ledger on the preceding pages reflects the basic assumptions outlined in these notes, without regard to the "+/-" variances. However, in determining the pre-tax / after-tax contribution split on the first page of this report, 4000 randomly generated scenarios were tested using the variances described above. Random values were assigned along normal probability distributions, using standard deviations equal to half of the "+/-" amounts. Death dates were also randomized, using mortality tables specially adapted by Still River Retirement Planning Software, Inc., reflecting sex and smoking status as these items were input. In the case of premature death, tax advantages may not be realized, or not to the extent

otherwise expected. Both the ratio of scenarios that favored each alternative strategy, and the ratio of the cumulative present values of the final year balances for all scenarios (discounted at an average of the pre-retirement and afterretirement rates of return), were calculated. The final allocation is the average of the two ratios, and in this case came out to 32% for the after-tax account. The ratio that appears on the first page of this report is smaller because it does not reflect the total pre-tax commitment, but rather the lower amount actually contributed after taxes have been paid.

In most cases, the suggested rollover amounts, when spread into future years, exceed the total recommended rollover amount. This occurs because the future amounts reflect interim earnings on the IRA account.