

VALUE AVERAGING LUMP SUM INVESTMENT ANALYSIS - BACKTEST REPORT



Security: **IYY - iShares DJ US Index ETF**

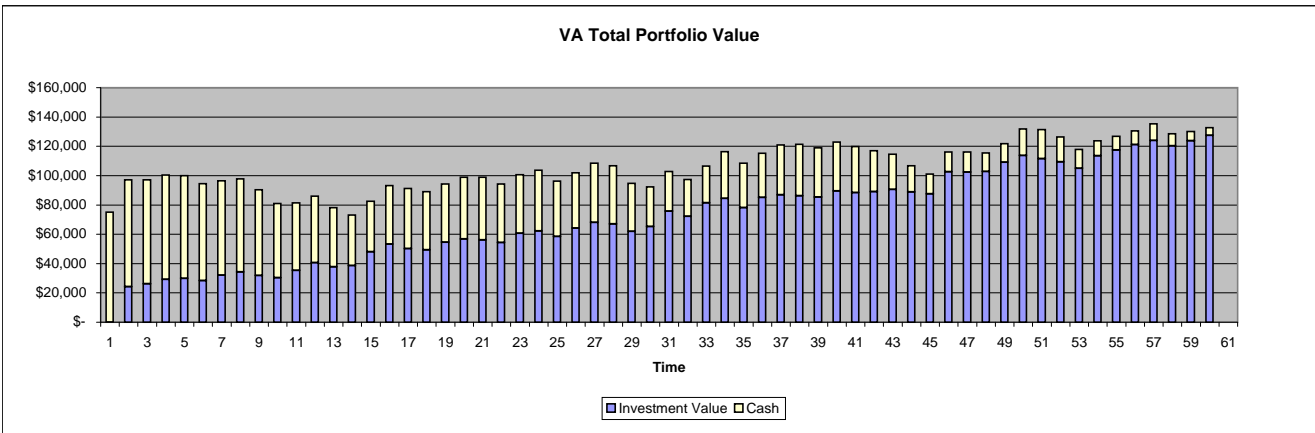
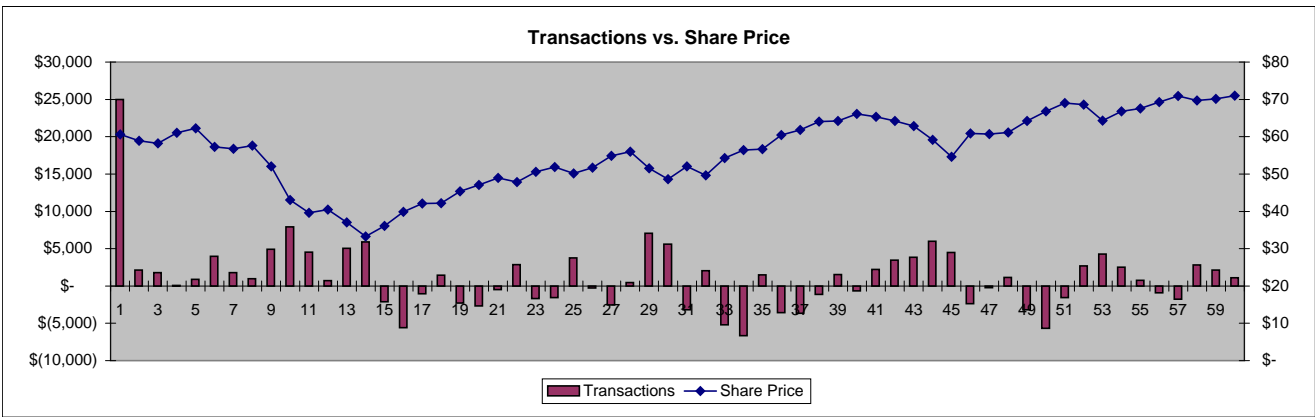
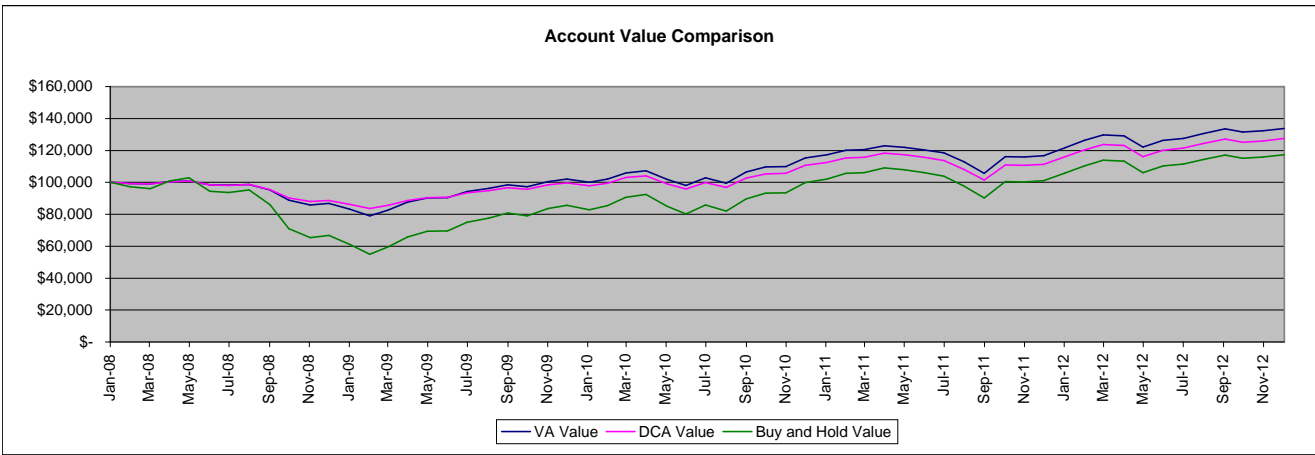
Dollar amount initially allocated to money market fund \$ **100,000**
 Dollar amount of initial investment \$ **25,000** 25%
 Desired annual portfolio growth rate 8.00%
 Sell shares to force the portfolio to maintain the desired level Yes
 Double confirm sell transaction Yes
 Dollar amount of increase / decrease desired each month \$ **1,271**

Start Date: January 2, 2008
 End Date: December 3, 2012
 Investment Term 5 years

VALUE AVERAGING	
Total Portfolio	\$ 133,778
Cost Base	\$ 97,516
Gain/Loss	\$ 36,262
Total Return	37.19%
Annual Return	6.53%
Avg cost/share	53.89
VA BEATS DCA BY:	9.73%
VA BEATS LS BY:	19.97%

DOLLAR COST AVERAGING	
Total Portfolio	\$ 127,460
Cost Base	\$ 100,000
Gain/Loss	\$ 27,460
Total Return	27.46%
Annual Return	4.97%
Avg cost/share	55.72

LUMP SUM	
Total Portfolio	\$ 117,214
Cost Base	\$ 100,000
Gain/Loss	\$ 17,214
Total Return	17.21%
Annual Return	3.23%
Avg cost/share	60.59



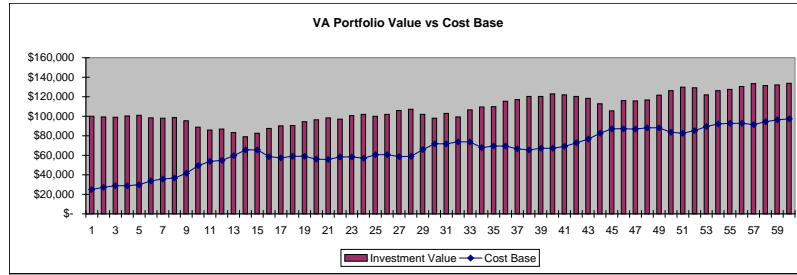
VALUE AVERAGING - LUMP SUM ANALYSIS

1 Dollar-Cost Averaging Method: Invest the same amount of money at regular intervals
 2 Value-Average Method: Set a target value and invest the necessary amount to maintain the target value at regular intervals

Fund name IYY - iShares DJ US Index ETF

Dollar amount initially allocated to money market fund
 Dollar amount of initial investment
 No of years to average the capital
 Desired annual portfolio growth rate
 Adjust the interest rate each year by
 Sell shares to force the portfolio to maintain the desired level (1=yes, 0=no)
 Double confirm sell transaction (1=yes, 0=no)
 Maximum amount to invest per trade as a percentage of cash available
 Dollar amount of increase / decrease desired each month

\$ 100,000
 \$ 25,000 25%
 5
 8.00%
 0.00%
 1
 1
 25.0%
 \$ 1,271



DATE	NAV \$	\$ Distributions	VALUE AVERAGING (VA)			Money Mkt Account \$ after Rebalancing	No. of Shares To Buy (Sell)	Shares Owned After Rebalancing	Capital at Risk	Cash	DOLLAR COST AVERAGING (DCA)				LUMP SUM (LS) BUY AND HOLD					
			Minimum Desired Value \$ (Value Path)	Target ROR	Shares Owned Before Rebalancing						Investment Value Before Rebalancing \$	Amount To Invest (Redeem)	No. of Shares to Purchase	Amount Invested	Value of Money Mkt Account	Total Amount of Shares	Total Value	Buy and Hold	Total Amount of Shares	Total Value
02-Jan-08	60.59	0.0000	\$ 25,000	8.00%	-	\$ 25,000	75,000	412.609	412.609	25.00%	75.00%	412.609	25,000	75,000	412.609	\$ 25,000	\$ 100,000	1,650.437	100,000	
01-Feb-08	58.92	0.0000	\$ 26,438	8.00%	412.609	\$ 24,311	2,127	72.873	36.098	26.62%	73.38%	21.575	26,271	73,729	434.184	\$ 25,582		1,650.437	97,244	
03-Mar-08	58.18	0.0000	\$ 27,885	8.00%	412.609	\$ 26,106	1,779	71.094	30.586	28.17%	71.83%	21.849	27,542	72,458	456.033	\$ 26,532		1,650.437	96,022	
01-Apr-08	61.08	0.0000	\$ 29,342	8.00%	479.293	\$ 29,275	67	71.026	1.099	480.383	29.23%	70.77%	20.812	28,814	71,186	476.845	\$ 29,126		1,650.437	100,809
01-May-08	62.29	0.0000	\$ 30,809	8.00%	480.393	\$ 29,924	886	70.141	14.216	494.609	30.52%	69.48%	20.408	30,085	69,915	497.253	\$ 30,974		1,650.437	102,806
02-Jun-08	57.27	0.0000	\$ 32,286	8.00%	494.609	\$ 28,326	3,960	66.181	69.138	563.747	32.79%	67.21%	22.196	31,356	68,644	519.449	\$ 29,749		1,650.437	94,521
01-Jul-08	56.75	0.0000	\$ 33,772	8.00%	563.747	\$ 31,993	1,393	64.402	31.358	595.105	34.40%	65.60%	22.400	32,627	67,373	541.849	\$ 30,275		1,650.437	93,662
01-Aug-08	57.65	0.0000	\$ 35,269	8.00%	595.105	\$ 34,308	961	63.441	16.665	611.770	35.73%	64.27%	22.050	33,898	66,102	563.899	\$ 32,509		1,650.437	95,148
02-Sep-08	52.07	0.0000	\$ 36,775	8.00%	611.770	\$ 31,855	4,920	58.521	94.468	706.259	38.59%	61.41%	24.413	35,169	64.831	588.312	\$ 30,633		1,650.437	85,938
01-Oct-08	43.01	0.0000	\$ 38,291	8.00%	706.259	\$ 30,376	7,915	50.606	184.028	890.296	43.07%	58.93%	29.556	36,441	63.559	617.868	\$ 26,574		1,650.437	70,985
03-Nov-08	39.64	0.0000	\$ 39,818	8.00%	890.286	\$ 35,291	4,527	46.079	114.196	1,004.481	46.36%	53.64%	32.068	37,712	62.288	649.936	\$ 25,763		1,650.437	65,423
01-Dec-08	40.47	0.0000	\$ 41,354	8.00%	1,004.481	\$ 40,651	703	45.376	17.369	1,021.850	47.68%	52.32%	31.411	38,983	61,017	681.346	\$ 27,574		1,650.437	66,793
02-Jan-09	37.05	0.0000	\$ 42,901	8.00%	1,021.850	\$ 37,860	5,042	40.335	136.076	1,157.926	51.54%	48.46%	34.310	40,254	59,746	715.656	\$ 26,515		1,650.437	61,149
02-Feb-09	33.31	0.0000	\$ 44,458	8.00%	1,021.850	\$ 38,571	5,888	34.447	176.759	1,334.685	56.34%	43.66%	38.162	41,525	58,475	753.819	\$ 25,110		1,650.437	54,976
02-Mar-09	36.06	0.0000	\$ 46,026	8.00%	1,334.685	\$ 48,129	(2,103)	34.447	-	1,334.685	58.28%	41.72%	35.252	42,797	57,203	789.071	\$ 28,454		1,650.437	59,515
01-Apr-09	39.85	0.0000	\$ 47,604	8.00%	1,334.685	\$ 53,187	(5,583)	40.030	-	1,194.579	54.32%	45.68%	31.899	44,068	55,932	820.970	\$ 27,166		1,650.437	65,770
01-May-09	42.06	0.0000	\$ 49,193	8.00%	1,194.579	\$ 50,244	(1,051)	41.082	-	1,169.579	54.49%	45.51%	30.223	45,339	54,661	851.193	\$ 35,801		1,650.437	69,417
01-Jun-09	42.18	0.0000	\$ 50,792	8.00%	1,169.579	\$ 49,333	1,459	39.623	34.585	1,204.164	56.18%	43.82%	30.137	46,610	53,390	881.330	\$ 37,175		1,650.437	69,615
01-Jul-09	45.4	0.0000	\$ 52,401	8.00%	1,204.164	\$ 54,669	(2,288)	39.623	-	1,204.164	57.98%	42.02%	28.000	47,881	52,119	909.330	\$ 41,284		1,650.437	74,930
03-Aug-09	47.07	0.0000	\$ 54,022	8.00%	1,204.164	\$ 56,680	(2,658)	42.281	-	1,147.694	56.10%	43.90%	27.006	49,153	50,847	936.336	\$ 44,073		1,650.437	77,686
01-Sep-09	48.92	0.0000	\$ 55,653	8.00%	1,147.694	\$ 56,145	(492)	42.773	-	1,137.639	56.54%	43.46%	25.985	50,424	49,576	962.321	\$ 47,077		1,650.437	80,739
01-Oct-09	47.84	0.0000	\$ 57,296	8.00%	1,137.639	\$ 54,425	2,871	39.902	60.010	1,197.649	58.95%	41.05%	26.572	51,695	48,305	988.893	\$ 47,309		1,650.437	78,957
02-Nov-09	50.62	0.0000	\$ 58,949	8.00%	1,197.649	\$ 60,625	(1,676)	39.902	-	1,197.649	60.31%	39.69%	25.112	52,966	47,034	1,014.005	\$ 51,329		1,650.437	83,545
01-Dec-09	51.91	0.0000	\$ 60,613	8.00%	1,197.649	\$ 62,170	(1,557)	41.459	-	1,167.653	59.38%	40.62%	24.488	54,237	45,763	1,038.494	\$ 53,908		1,650.437	85,674
04-Jan-10	50.14	0.0000	\$ 62,288	8.00%	1,167.653	\$ 58,546	(3,742)	37.717	74.631	1,242.284	62.28%	37.72%	25.353	55,508	44,492	1,063.946	\$ 53,341		1,650.437	82,753
01-Feb-10	51.72	0.0000	\$ 63,975	8.00%	1,242.284	\$ 64,251	(2,76)	37.717	-	1,242.284	63.01%	36.99%	24.578	56,780	43,220	1,088.425	\$ 56,293		1,650.437	85,361
01-Mar-10	54.9	0.0000	\$ 65,672	8.00%	1,242.284	\$ 68,201	(2,529)	40.246	-	1,196.216	62.00%	38.00%	23.155	58,051	41,949	1,111.579	\$ 61,026		1,650.437	90,609
01-Apr-10	55.96	0.0000	\$ 67,381	8.00%	1,196.216	\$ 66,940	441	39.805	7.881	1,204.097	62.86%	37.14%	22.716	59,322	40,678	1,134.295	\$ 63,258		1,650.437	92,358
03-May-10	51.53	0.0000	\$ 69,102	8.00%	1,204.097	\$ 62,047	7,055	32.751	136.902	1,340.998	67.84%	32.16%	24.669	60,593	39,407	1,158.964	\$ 59,721		1,650.437	85,047
01-Jun-10	48.63	0.0000	\$ 70,834	8.00%	1,340.998	\$ 65,213	5,621	27.130	115.582	1,456.580	72.31%	27.69%	26.140	61,864	38,136	1,185.104	\$ 60,261		1,650.437	80,261
01-Jul-10	52.02	0.0000	\$ 72,577	8.00%	1,456.580	\$ 75,771	(3,194)	27.130	-	1,456.580	73.63%	26.37%	24.436	63,136	36,864	1,209.540	\$ 62,920		1,650.437	85,856
02-Aug-10	49.64	0.0000	\$ 74,332	8.00%	1,456.580	\$ 72,305	2,027	25.103	40.840	1,497.420	74.75%	25.25%	25.608	64,407	35,593	1,235.149	\$ 61,313		1,650.437	81,928
01-Sep-10	54.3	0.0000	\$ 76,099	8.00%	1,497.420	\$ 81,310	(5,211)	25.103	-	1,497.420	76.41%	23.59%	23.410	65,678	34,322	1,258.559	\$ 68,340		1,650.437	89,619
01-Oct-10	56.44	0.0000	\$ 77,877	8.00%	1,497.420	\$ 84,514	(6,637)	31.740	-	1,378.823	71.04%	29.96%	22.522	66,949	33,051	1,281.082	\$ 72,304		1,650.437	93,514
01-Nov-10	56.66	0.0000	\$ 79,668	8.00%	1,378.823	\$ 78,181	1,487	30.253	26.241	1,408.063	72.48%	27.52%	22.435	68,220	31,780	1,303.517	\$ 73,857		1,650.437	97,590
01-Dec-10	60.47	0.0000	\$ 81,470	8.00%	1,408.063	\$ 85,025	(3,555)	30.253	-	1,408.063	73.76%	26.24%	21.022	69,492	30,508	1,324.539	\$ 80,095		1,650.437	99,802
03-Jan-11	61.84	0.0000	\$ 83,284	8.00%	1,408.063	\$ 86,951	(3,667)	33.920	-	1,346.769	71.06%	28.94%	20.556	70,763	29,237	1,345.095	\$ 83,181		1,650.437	102,063
01-Feb-11	64.04	0.0000	\$ 85,111	8.00%	1,346.769	\$ 86,247	(1,136)	35.056	-	1,328.022	70.83%	29.17%	19.850	72,034	27,966	1,364.945	\$ 87,411		1,650.437	105,694
01-Mar-11	64.26	0.0000	\$ 86,949	8.00%	1,329.022	\$ 85,403	1,546	33.510	17.462	1,353.084	72.18%	28.82%	19.782	73,305	26,695	1,384.727	\$ 88,983		1,650.437	106,057
01-Apr-11	66.12	0.0000	\$ 88,800	8.00%	1,353.084	\$ 89,466	(666)	33.510	-	1,353.084	72.75%	27.25%	19.225	74,576	25,424	1,403.952	\$ 92,629		1,650.437	109,127
02-May-11	65.38	0.0000	\$ 90,663	8.00%	1,353.084	\$ 88,465	2,199	31.311	33.628	1,386.712	74.33%	25.67%	19.443	75,847	24,153	1,423.395	\$ 93,062		1,650.437	107,906
01-Jun-11	64.24	0.0000	\$ 92,539	8.00%	1,386.712	\$ 89,082	3,456	27.855	53.805	1,440.517	76.86%	23.14%	19.788	77,119	22,881	1,443.183	\$ 92,710		1,650.437	106,024
01-Jul-11	62.88	0.0000	\$ 94,427	8.00%	1,440.517	\$ 90,580	3,847	24.098	61.183	1,501.701	79.73%	20.27%	20.216	78,390	21,610	1,463.999	\$ 92,019		1,650.437	103,780
01-Aug-11	59.13	0.0000	\$ 96,328	8.00%	1,501.701	\$ 88,796	6,002	18.006	101.504	1,603.205	84.04%	15.96%	21.498	79,661	19,687	1,484.898	\$ 87,802		1,650.437	97,590
01-Sep-11	54.66	0.0000	\$ 98,241	8.00%	1,603.205	\$ 87,631	4,501	13.504												

VALUE AVERAGING LUMP SUM - CAPITAL GAINS / LOSS ANALYSIS



Security:

IYY - iShares DJ US Index ETF

Taxable portion of capital gain
Marginal tax rate

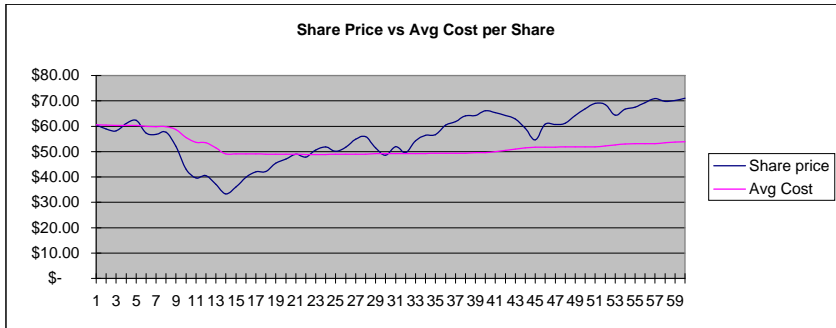
50.00%
46.00%

Cash allocated
Growth rate

\$ 100,000
8.00%

DATE	NAV \$		Shares Bought or Sold	Share Balance	Cost of Shares	Adjusted Cost Base	Proceeds on Sale	Capital Gain or Loss*	Average cost per Share
1	02-Jan-08	\$ 60.59	purchase	412.609	412.6093 \$	25,000.00 \$	-	-	\$ 60.59
2	01-Feb-08	\$ 58.92	purchase	36.098	448.7076 \$	2,126.91 \$	-	-	\$ 60.46
3	03-Mar-08	\$ 58.18	purchase	30.586	479.2934 \$	1,779.48 \$	-	-	\$ 60.31
4	01-Apr-08	\$ 61.08	purchase	1.099	480.3926 \$	67.14 \$	-	-	\$ 60.31
5	01-May-08	\$ 62.29	purchase	14.216	494.6088 \$	885.53 \$	-	-	\$ 60.37
6	02-Jun-08	\$ 57.27	purchase	69.138	563.7465 \$	3,959.52 \$	-	-	\$ 59.99
7	01-Jul-08	\$ 56.75	purchase	31.358	595.1046 \$	1,779.57 \$	-	-	\$ 59.82
8	01-Aug-08	\$ 57.65	purchase	16.665	611.7697 \$	960.74 \$	-	-	\$ 59.76
9	02-Sep-08	\$ 52.07	purchase	94.488	706.2576 \$	4,919.98 \$	-	-	\$ 58.73
10	01-Oct-08	\$ 43.01	purchase	184.028	890.2856 \$	7,915.05 \$	-	-	\$ 55.48
11	03-Nov-08	\$ 39.64	purchase	114.196	1004.4815 \$	4,526.72 \$	-	-	\$ 53.68
12	01-Dec-08	\$ 40.47	purchase	17.369	1021.8503 \$	702.92 \$	-	-	\$ 53.46
13	02-Jan-09	\$ 37.05	purchase	136.076	1157.9262 \$	5,041.61 \$	-	-	\$ 51.53
14	02-Feb-09	\$ 33.31	purchase	176.759	1334.6851 \$	5,887.84 \$	-	-	\$ 49.11
15	02-Mar-09	\$ 36.06	sell	-	1334.6851 \$	-	-	-	\$ 49.11
16	01-Apr-09	\$ 39.85	sell	(140.106)	1194.5787 \$	(6,881.32) \$	5,583.24 \$	(1,298.08) \$	\$ 49.11
17	01-May-09	\$ 42.06	sell	(24.999)	1169.5793 \$	(1,227.84) \$	57,443.85 \$	(176.37) \$	\$ 49.11
18	01-Jun-09	\$ 42.18	purchase	34.585	1204.1641 \$	1,458.79 \$	58,902.63 \$	-	\$ 48.92
19	01-Jul-09	\$ 45.40	sell	-	1204.1641 \$	-	-	-	\$ 48.92
20	03-Aug-09	\$ 47.07	sell	(56.470)	1147.6943 \$	(2,762.27) \$	56,140.37 \$	(104.23) \$	\$ 48.92
21	01-Sep-09	\$ 48.92	sell	(10.055)	1137.6391 \$	(491.86) \$	55,648.51 \$	0.04 \$	\$ 48.92
22	01-Oct-09	\$ 47.84	purchase	60.010	1197.6486 \$	2,870.86 \$	58,519.37 \$	-	\$ 48.86
23	02-Nov-09	\$ 50.62	sell	-	1197.6486 \$	-	58,519.37 \$	-	\$ 48.86
24	01-Dec-09	\$ 51.91	sell	(29.996)	1167.6526 \$	(1,465.66) \$	57,053.70 \$	91.43 \$	\$ 48.86
25	04-Jan-10	\$ 50.14	purchase	74.631	1242.2840 \$	3,742.02 \$	60,795.72 \$	-	\$ 48.94
26	01-Feb-10	\$ 51.72	sell	-	1242.2840 \$	-	60,795.72 \$	-	\$ 48.94
27	01-Mar-10	\$ 54.90	sell	(46.068)	1196.2157 \$	(2,254.52) \$	58,541.20 \$	274.63 \$	\$ 48.94
28	01-Apr-10	\$ 55.96	purchase	7.881	1204.0965 \$	441.01 \$	58,982.21 \$	-	\$ 48.98
29	03-May-10	\$ 51.53	purchase	136.902	1340.9982 \$	7,054.54 \$	66,036.75 \$	-	\$ 49.24
30	01-Jun-10	\$ 48.63	purchase	115.582	1456.5803 \$	5,620.76 \$	71,657.51 \$	-	\$ 49.20
31	01-Jul-10	\$ 52.02	sell	-	1456.5803 \$	-	71,657.51 \$	-	\$ 49.20
32	02-Aug-10	\$ 49.64	purchase	40.840	1497.4203 \$	2,027.30 \$	73,684.81 \$	-	\$ 49.21
33	01-Sep-10	\$ 54.30	sell	-	1497.4203 \$	-	73,684.81 \$	-	\$ 49.21
34	01-Oct-10	\$ 56.44	sell	(117.598)	1379.8226 \$	(5,786.73) \$	67,898.08 \$	850.49 \$	\$ 49.21
35	01-Nov-10	\$ 56.66	purchase	26.241	1406.0635 \$	1,486.81 \$	69,384.89 \$	-	\$ 49.35
36	01-Dec-10	\$ 60.47	sell	-	1406.0635 \$	-	69,384.89 \$	-	\$ 49.35
37	03-Jan-11	\$ 61.84	sell	(59.295)	1346.7687 \$	(2,926.01) \$	66,458.88 \$	740.77 \$	\$ 49.35
38	01-Feb-11	\$ 64.04	sell	(17.746)	1329.0224 \$	(875.73) \$	65,583.15 \$	260.75 \$	\$ 49.35
39	01-Mar-11	\$ 64.26	purchase	24.062	1353.0841 \$	1,546.21 \$	67,129.35 \$	-	\$ 49.61
40	01-Apr-11	\$ 66.12	sell	-	1353.0841 \$	-	67,129.35 \$	-	\$ 49.61
41	02-May-11	\$ 65.38	purchase	33.628	1386.7118 \$	2,198.58 \$	69,327.93 \$	-	\$ 49.99
42	01-Jun-11	\$ 64.24	purchase	53.805	1440.5172 \$	3,456.46 \$	72,784.39 \$	-	\$ 50.53
43	01-Jul-11	\$ 62.88	purchase	61.183	1501.7006 \$	3,847.22 \$	76,631.61 \$	-	\$ 51.03
44	01-Aug-11	\$ 59.13	purchase	101.504	1603.2050 \$	6,001.96 \$	82,633.56 \$	-	\$ 51.54
45	01-Sep-11	\$ 54.66	purchase	82.354	1685.5590 \$	4,501.47 \$	87,135.03 \$	-	\$ 51.70
46	03-Oct-11	\$ 60.84	sell	-	1685.5590 \$	-	87,135.03 \$	-	\$ 51.70
47	01-Nov-11	\$ 60.70	sell	(3.416)	1682.1433 \$	(176.57) \$	86,958.46 \$	30.76 \$	\$ 51.70
48	01-Dec-11	\$ 61.17	purchase	18.985	1701.1279 \$	1,161.29 \$	88,119.74 \$	-	\$ 51.80
49	03-Jan-12	\$ 64.20	sell	-	1701.1279 \$	-	88,119.74 \$	-	\$ 51.80
50	01-Feb-12	\$ 66.82	sell	(84.832)	1616.2961 \$	(4,394.35) \$	83,725.39 \$	1,274.11 \$	\$ 51.80
51	01-Mar-12	\$ 69.01	sell	(22.439)	1593.8574 \$	(1,162.34) \$	82,563.05 \$	386.15 \$	\$ 51.80
52	02-Apr-12	\$ 68.58	purchase	39.222	1633.0791 \$	2,689.83 \$	85,252.87 \$	-	\$ 52.20
53	01-May-12	\$ 64.32	purchase	66.377	1699.4565 \$	4,269.39 \$	89,522.27 \$	-	\$ 52.68
54	01-Jun-12	\$ 66.79	purchase	38.014	1737.4709 \$	2,538.98 \$	92,061.25 \$	-	\$ 52.99
55	02-Jul-12	\$ 67.53	purchase	11.241	1748.7117 \$	759.10 \$	92,820.34 \$	-	\$ 53.08
56	01-Aug-12	\$ 69.24	sell	-	1748.7117 \$	-	92,820.34 \$	-	\$ 53.08
57	04-Sep-12	\$ 70.90	sell	(24.859)	1723.8525 \$	(1,319.51) \$	91,500.83 \$	443.01 \$	\$ 53.08
58	01-Oct-12	\$ 69.73	purchase	40.415	1764.2677 \$	2,818.16 \$	94,318.99 \$	-	\$ 53.46
59	01-Nov-12	\$ 70.17	purchase	30.121	1794.3891 \$	2,113.62 \$	96,432.61 \$	-	\$ 53.74
60	03-Dec-12	\$ 71.02	purchase	15.255	1809.6442 \$	1,083.42 \$	97,516.02 \$	-	\$ 53.89

Total Proceeds	\$ 34,498.18
Capital Gain/Loss	\$ 2,773.46
Taxable gain	\$ 1,386.73
Tax payable	\$ 637.90
Net Gain	\$ 2,135.56
Net Proceeds	\$ 33,860.28



* Average Cost Method