All You Can Eat Buffett

Berkshire Hathaway

Company Background

History

• 1965- Buffett Acquires Berkshire

• 1967- IPO

• Owns 61 businesses

Minority investor in 47 more

What is Berkshire Hathaway?

Segments

- Insurance & Reinsurance
- Railroad
- Utilities and Energy
- Non-Energy
- Manufacturing
- Selling & Retailing
- Finance

Insurance and Reinsurance

- Insurance
 - insurer assumes risk

- Reinsurance
 - reinsurer assumes risks that other insurers hold
 - Property
 - Life, accident, health risks

Insurance Segment Includes

- Geico & Subsidiaries
- General Re & Subsidiaries
- Berkshire Hathaway Reinsurance Group
- Berkshire Hathaway Primary Group

Railroad Business

- Burlington Northern Santa Fe Corporation
 - Second largest railroad in North America
 - Transports varieties of products

Utilities and Energy Business

- Berkshire Hathaway Energy Company
 - Energy holding company
 - Engaged in generation, transmission, and distribution

Energy Companies

MidAmerican Energy Company

PacifiCorp

• BHE Renewables

Non-Energy

- HomeServices of America
 - Real estate Brokerage firm
- McLane Company
 - Grocery and foodservice

Manufacturing Business

Industrial & End-User Products

- Building Products
- Apparel

Industrial & End User

- Marmon Holdings Inc.
 - Marmon Engineered Components Company
 - Marmon Retail Technologies Company
 - Lubrizol
 - International Metalworking Companies

Building Products

- Shaw Industries Group, Inc.
- Johns Manville
- MiTek Industries, Inc
- Benjamin Moore & Co
- Acme Brick Company

Apparel

- Fruit of the Loom
- Russell Brands
- Vanity Fair Brands
- Garan & Fechheimer Brothers
- H.H. Brown Shoe Group
- Justin Brands
- Brooks Sports

Service & Retailing Business

- Multiple Newspapers
 - The Buffalo News
 - BH Media Group
- See's Candies

- Pampered Chef
- Kraft-Heinz

Finance & Financial Products

Clayton Homes

UTLX Company

XTRA Corporation

Powerhouse Five

- Berkshire's largest non-insurance companies
 - Berkshire Hathaway Energy
 - Burlington Northern Santa Fe
 - International Metalworking Companies (IMC)
 - The Lubrizol Corporation
 - The Marmon Group

Investments













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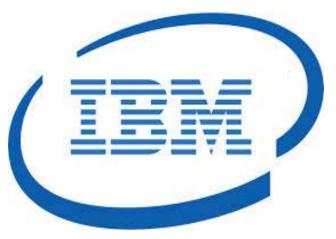


Big Four Investments









Dividends From Big Four

- Coke: 528 million
- IBM: 400 million
- American Express: 176 million
- Wells Fargo: 725 million
- Total: 1.8 billion

How Does Berkshire Make Money?

Revenue Comes From:

- Insurance premiums
- Sales and Services
- Railroad, Utilities & Energy
- Interest, Dividends & Other
- Finance/Financial Product Sales and Service
- Investment & Gains/Losses

Insurance

- Premiums- revenue
- Underwriting- Net earnings

Sales and Services

Revenue from retail companies

Railroad

- Transportation Services
- Fuel Surcharges

Utilities & Energy

- Utility & Maintenance service
- Generate, transport, distribute various energy components

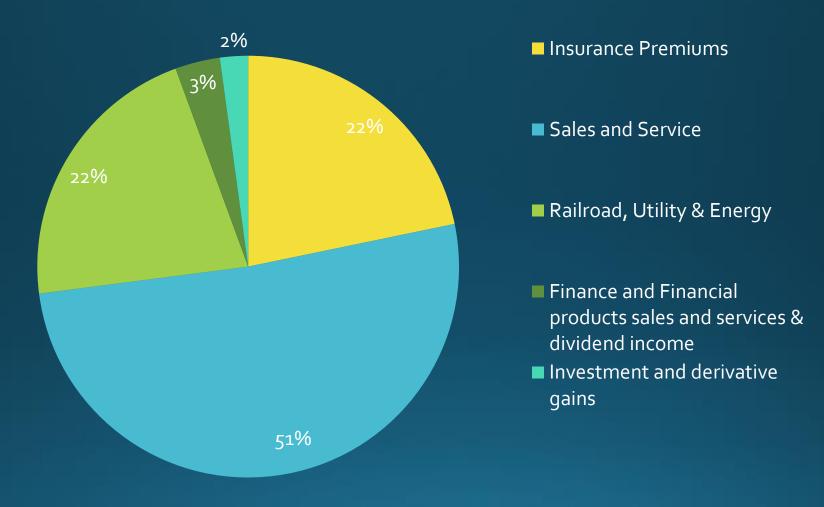
Financial Product Sales and Service

- Financial Services
- Management Services to various customers

Investment & Gain/Losses

Gains/losses realized

Revenue



What Am I Buying?













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GEICO.

ENERGY







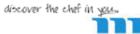
























News and Acquisitions

Acquisition Criteria

- Large Purchases- at least \$75 million of pre-tax earnings
- Consistent Earning Power
- Good ROE with little debt
- Management in place
- Simple business
- An offering price

Key Acquisitions

1996-GEICO – \$2.3 billion

2002- Fruit of the Loom -\$835 million

2010- Burlington Northern Santa Fe Corp- \$44 billion

Recent Acquisitions

2016-Precision Castparts Corp: \$37.2 Billion

2015-Berkshire Hathaway Automotive

2014-Duracell

Buffett's Successor

- Ajit Jain
- Greg Abel
- CIOs: Todd Combs and Ted Weschler

Shifting to Earnings

Yearend	Per-Share Investments	Period	Compounded Annual Increase in Per-Share Investments	
1970	\$ 66			
1980	754	1970-1980	27.5%	
1990	7,798	1980-1990	26.3%	
2000	50,229	1990-2000	20.5%	
2010	94,730	2000-2010	6.6%	

Though our compounded annual increase in per-share investments was a healthy 19.9% over the 40-year period, our rate of increase has slowed sharply as we have focused on using funds to buy operating businesses.

Risks

Risk Factors

Warren Buffett's Death/Departure

Decreasing Growth Rate of Book Value/Share

Significant Underwriting Losses

Various Regulations

Competitive Advantage

Competitive Advantage- Munger

Why is Berkshire so successful?

- 1. "The constructive peculiarities of Buffett"
- 2. "The constructive peculiarities of the Berkshire system"
- 3. "Good luck"
- 4. "The weirdly intense, contagious devotion of some shareholders and other admirers, including some in the press."

The Berkshire System

- 1. Diffuse conglomerate
- 2. Subsidiary CEO autonomy
- 3. Small Headquarters
- 4. Casualty insurers for float
- 5. No significant company/subsidiary wide systems
- 6. Chairman duties
- 7. Cash Acquisitions
- 8. No Dividends

Chairman Duties

- 1. Manage almost all security investments
- 2. Choose all subsidiary CEOs
- 3. Redeploy excess cash
- 4. Available to CEOs
- 5. Annual report letter-passive shareholder

The Berkshire System

- 9. Fair Price
- 10. Careful Selection of Subsidiary CEOs
- 11. Holding Subsidiaries
- 12. No CEO Transfers
- 13. No Mandatory CEO Retirement Age
- 14. Have little debt outstanding
- 15. Friendliness to Prospective Sellers

"Berkshire offers a third choice...a permanent home, in which the company's people and culture will be retained...Some sellers don't care about these matters. But when sellers do, Berkshire doesn't have a lot of competition."—Warren Buffett

Competitive Advantage-Buffett

- 1. Relationship with Sellers
- 2. Diversification
- 3. Tax Efficiencies
- 4. Float
- 5. "Diversity of earnings and oceans of liquidity"
- 6. Outstanding Management

Cash-Rich Split-off

- Create a "new company" comprised of 66% Cash and 33% operating assets
- Exchange this "company" for another company
- Duracell- P&G shares

Financial Staying Power

Characteristics

1. Large, Reliable Earnings
Stream

2. Massive Liquid Assets

No significant near-term cash requirements

Financial Staying Power

Characteristics

Large, Reliable Earnings
 Stream

2. Massive Liquid Assets

3. No significant near-term cash requirements

Berkshire Hathaway

1. Diversification

- \$20 Billion in Cash and Cash Equivalents
- 3. No sizable short-term debt

Pat Dorsey's Moat

- Economies of scale
- Intangibles
- Cost Advantages

Qualitative Review

Commodity or Sustained Competitive Advantage?	Competitive Advantage
Easily Explainable?	Warren Buffett
Unionized?	No
Heavy Capital Infusion and R&D?	No
Obsolete Inventory?	No
Chronic One-Time Write-offs?	No
Billion Dollar Competitor?	No

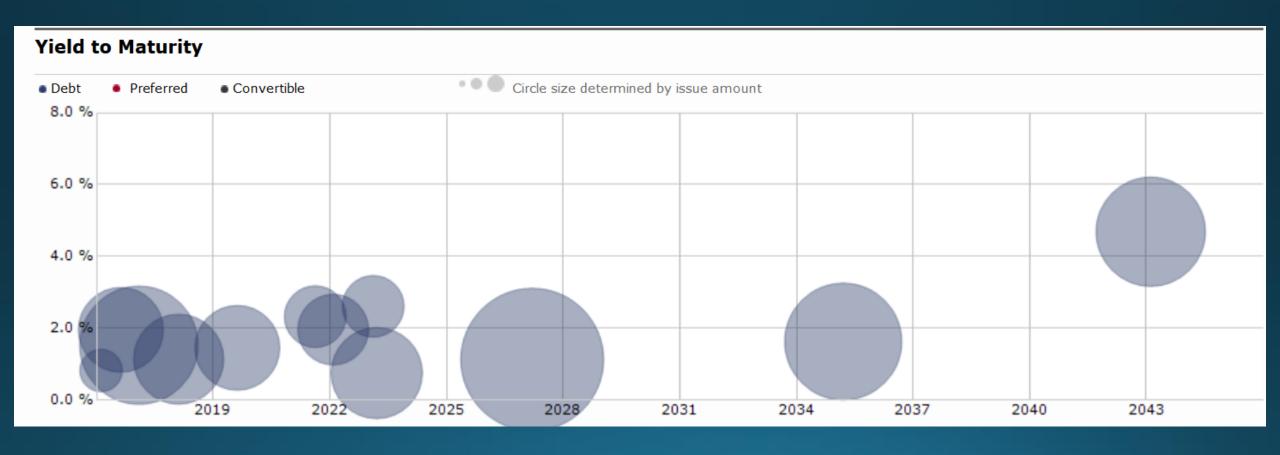
Quantitative Analysis

Interpretation of the Financial Statements					
TTM	Value	Low Threshold	Pass?		
Gross Profit Margin	N/A	≥ 20%	N/A		
% SGA of Total Revenue	32.29%	≤ 80%	Yes		
% R&D	0.00%	≤ 10%	Yes		
% Depreciation of Total Revenue	3.73%	≤ 10%	Yes		
Interest % of OP	10.59%	≤ 15%	Yes		
Net Profit Margin	10.98%	≥ 10%	Yes		
Current Ratio	1.66	≥1	Yes		
Obligation Ratio	.82 years	< 5 years	Yes		
Adj. Debt to Shareholder Equity	1.21	< 0.8	No		
Return on Equity	9.17%	≥ 15%	No		
Return on Capital	6.83%	≥ 15%	No		
Dividend Payout Ratio	0.00%	≤ 60%	Yes		
Preferred Stock	None	None	Yes		
Net Earnings Trend	Up	Up	Yes		
Retained Earnings Trend	Up	Up	Yes		

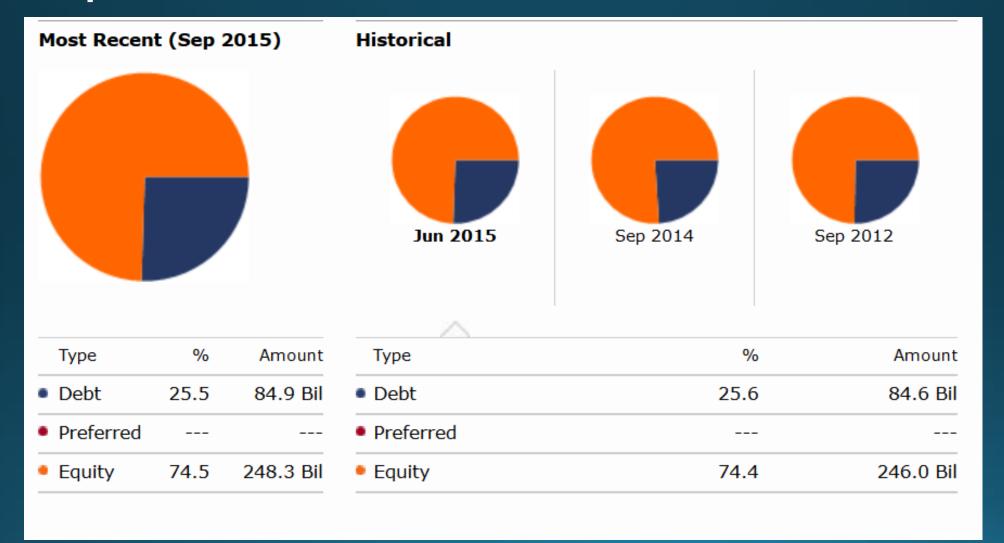
Banking Ratios

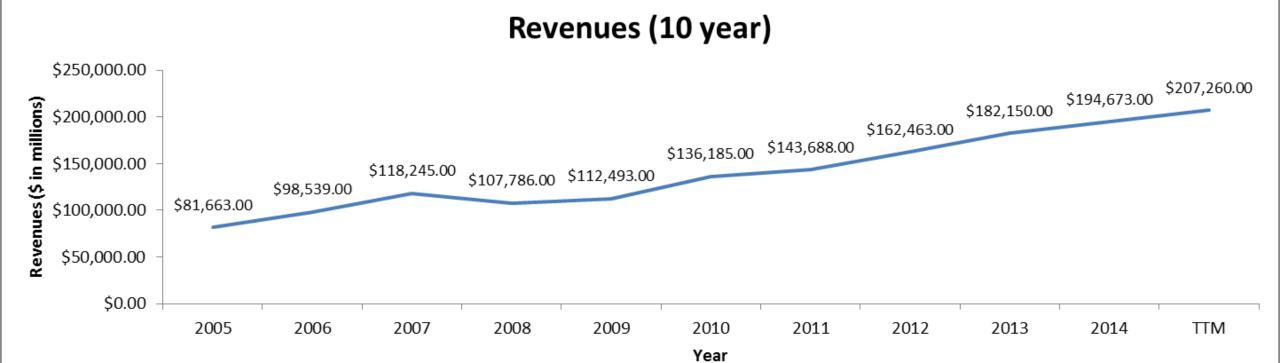
Ratio	TTM	Formula
Efficiency Ratio	1.19	Expenses/Revenue
ROA	6.12%	(Revenue/Assets) –(Expense/Assets)
Loans to Assets	0.023	Loans/Total Assets

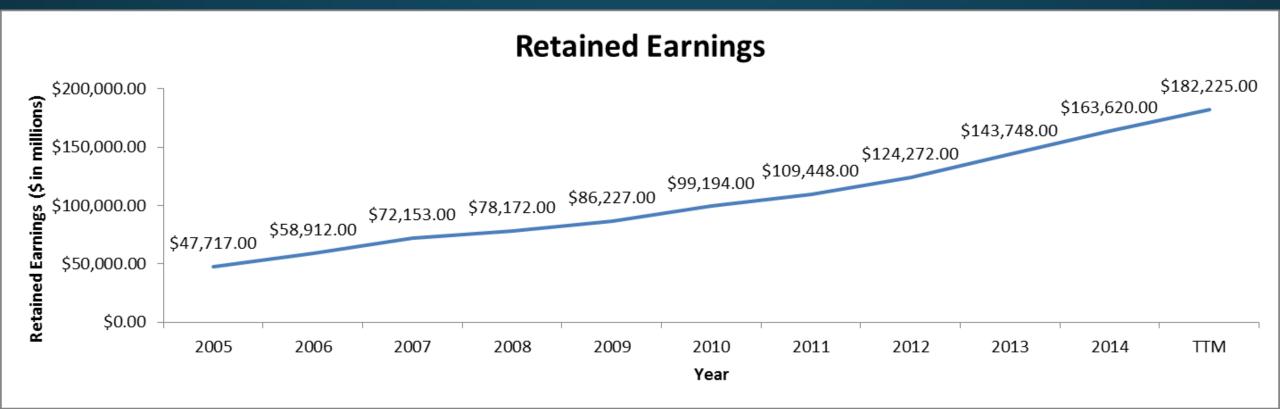
Morningstar Debt Analysis



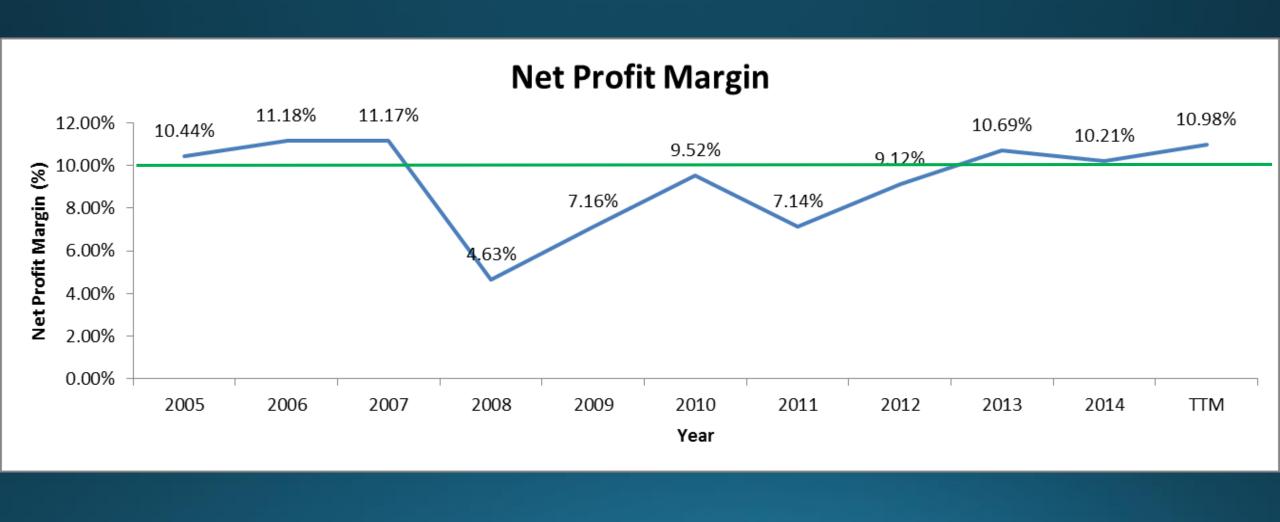
Capital Structure

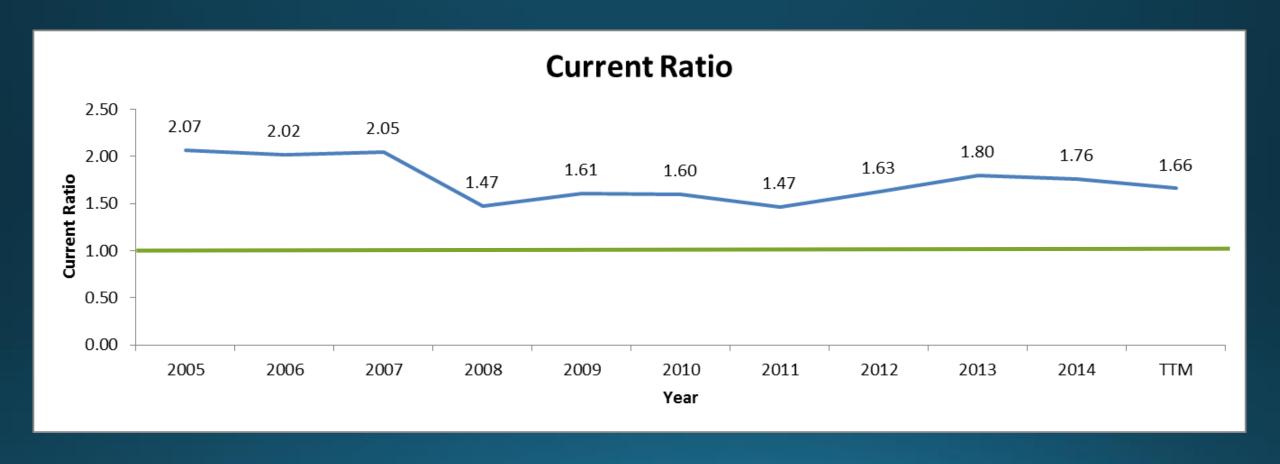


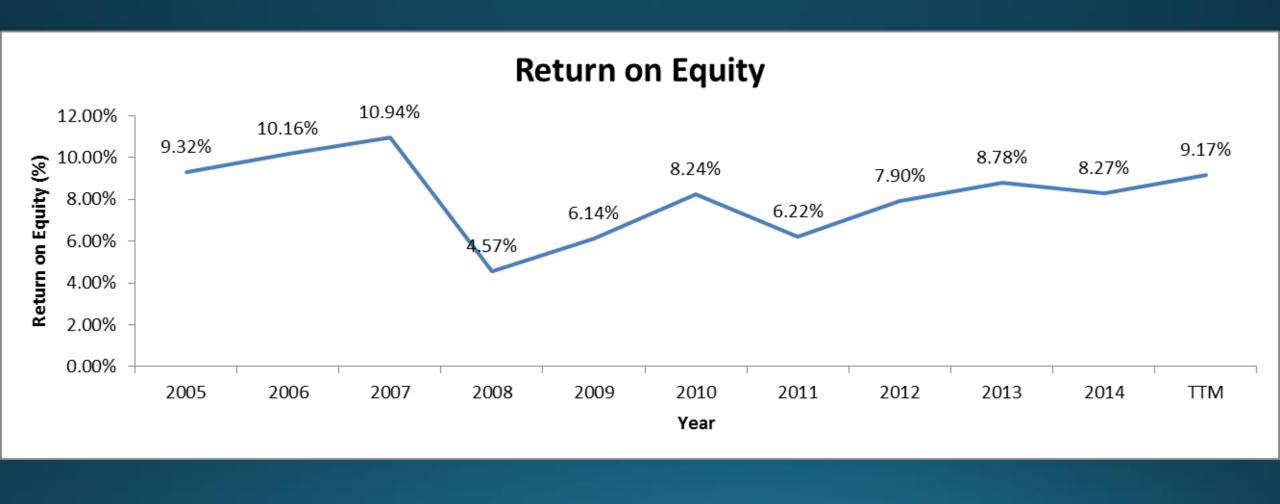


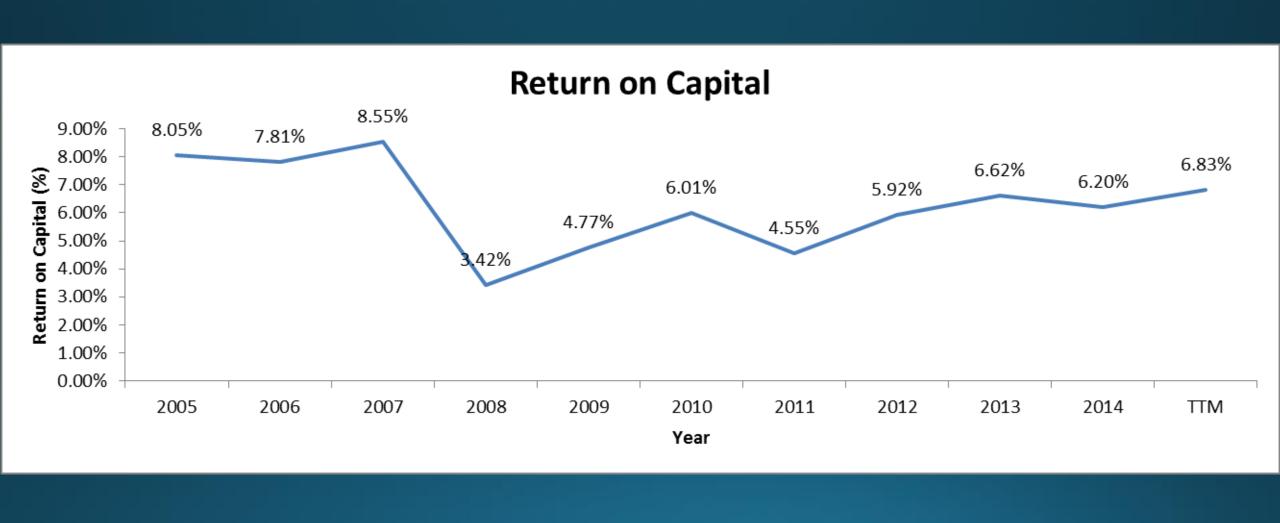


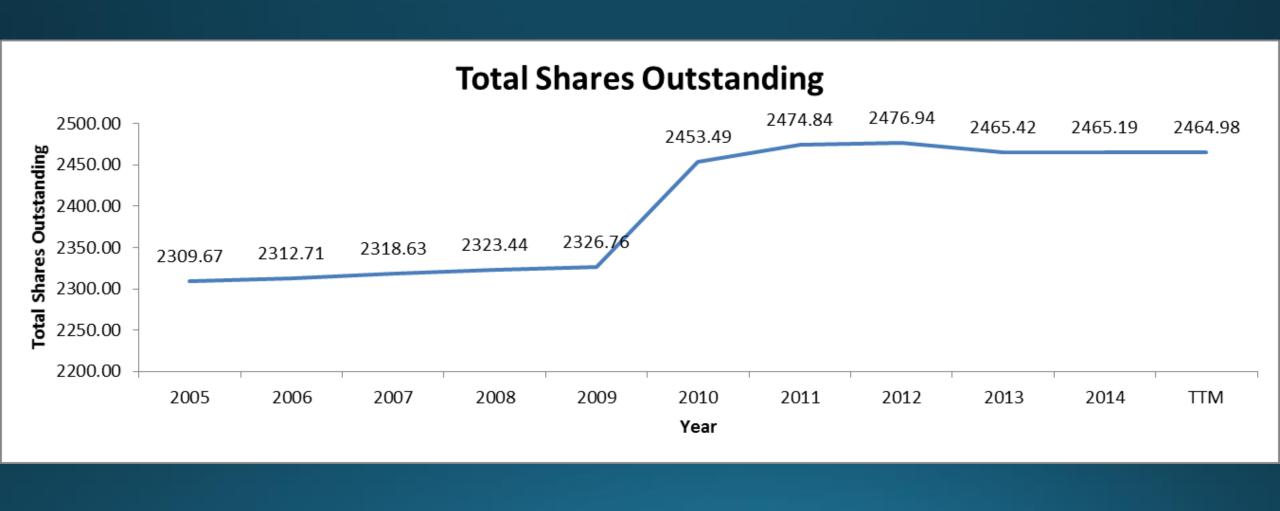
281% increase

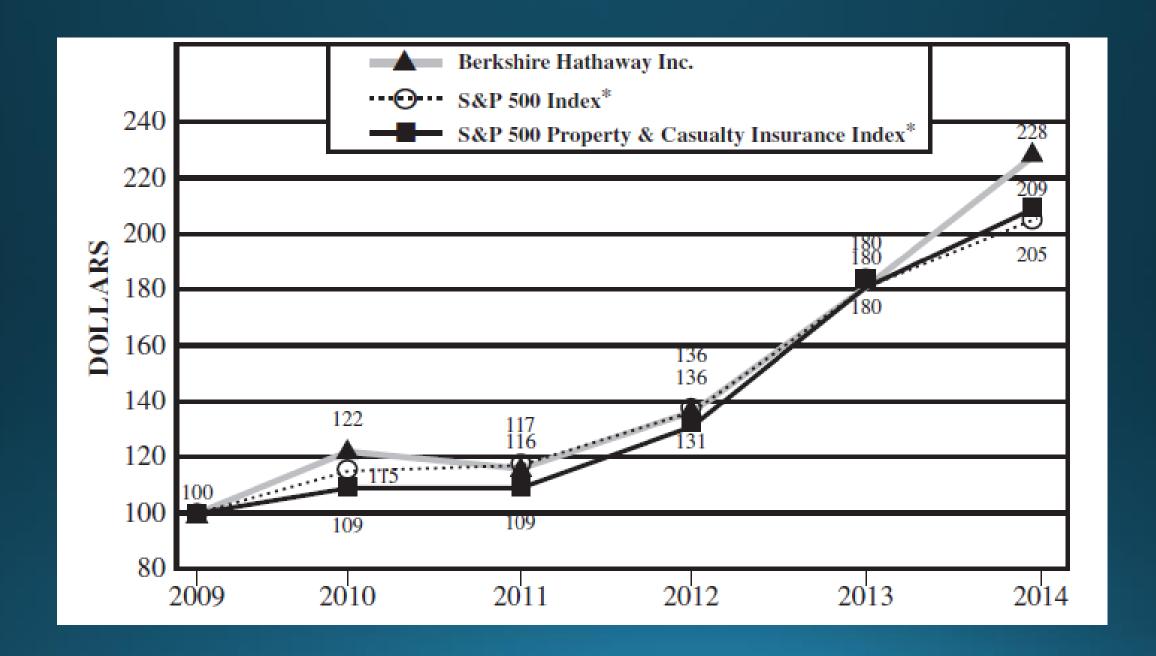












Intrinsic Value

Shares**	Company	Percentage of Company	Cost*	Market
Shares	Company	Owned	2031	THE REE
		Owned	(in millions)	
151,610,700	American Express Company	14.8	\$ 1,287	\$ 14,106
400,000,000	The Coca-Cola Company	9.2	1,299	16,888
18,513,482	DaVita HealthCare Partners Inc	8.6	843	1,402
15,430,586	Deere & Company	4.5	1,253	1,365
24,617,939	DIRECTV	4.9	1,454	2,134
13,062,594	The Goldman Sachs Group, Inc	3.0	750	2,532
76,971,817	International Business Machines Corp	7.8	13,157	12,349
24,669,778	Moody's Corporation	12.1	248	2,364
20,060,390	Munich Re	11.8	2,990	4,023
52,477,678	The Procter & Gamble Company	1.9	336	4,683 ***
22,169,930	Sanofi	1.7	1,721	2,032
96,890,665	U.S. Bancorp	5.4	3,033	4,355
43,387,980	USG Corporation	30.0	836	1,214
67,707,544	Wal-Mart Stores, Inc.	2.1	3,798	5,815
483,470,853	Wells Fargo & Company	9.4	11,871	26,504
	Others		10,180	15,704
	Total Common Stocks Carried at Market		\$55,056	\$ 117,470

Calculating Intrinsic Value

- Components:
 - Value of Per Share Investments: \$140,123
 - Value of Non-Insurance Earnings Per Share: \$10,847

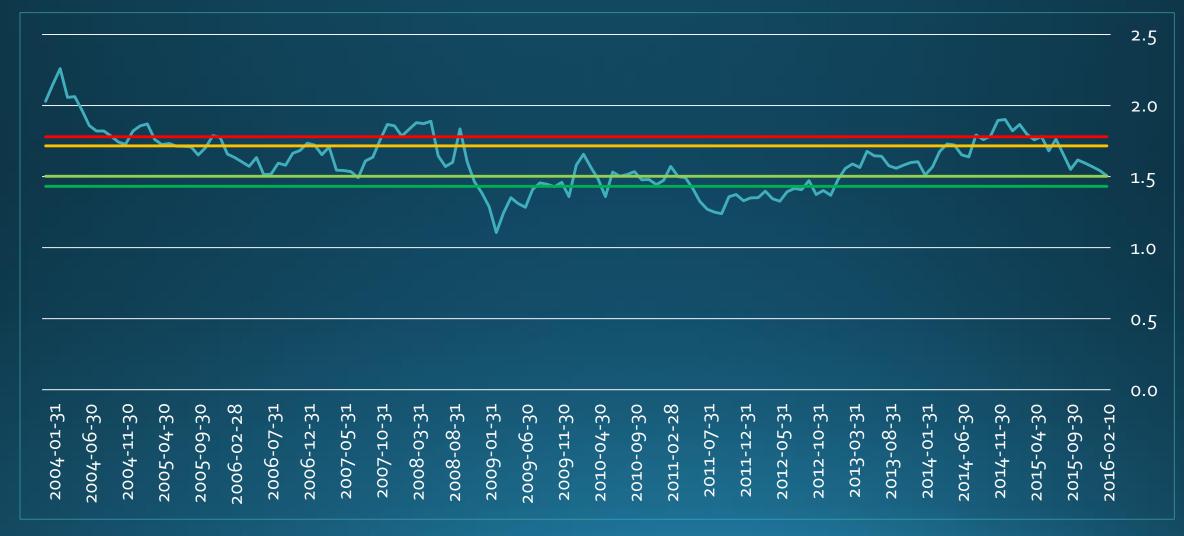
- Efficacy of Earnings Redeployment Multiple
- Growth over 50 years: 1,826,163%

Intrinsic Value

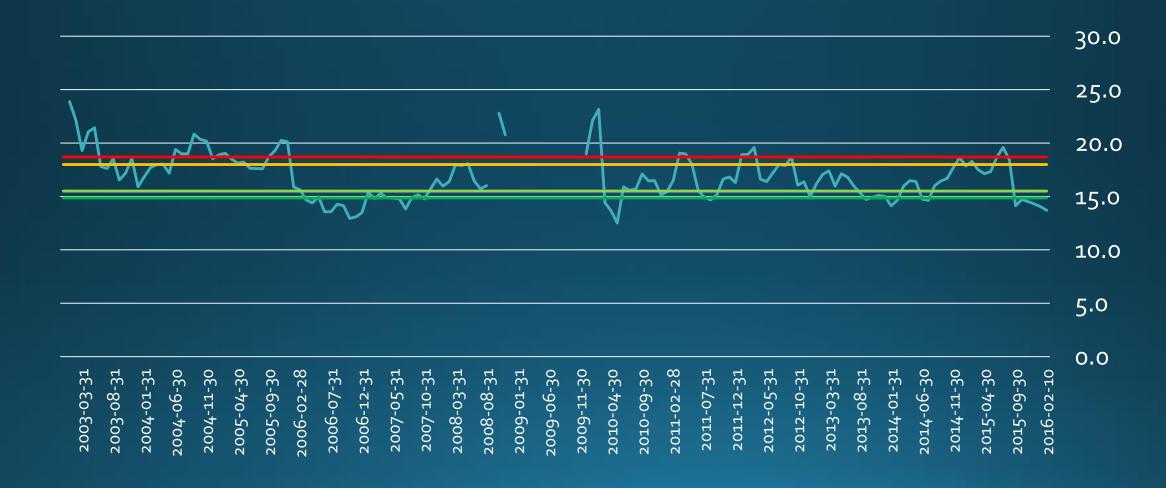
	Investments Per Share	Earnings Per Share Excluding Investment	Earnings Multiple	Stock Price Range	Total Intrinsic Value Per Share	Percent Discount to Intrinsic Value
2014	140,123	10,847	6	169,511- 226,000	205,205	3.9%
2015 (Assuming 4.5% & 6% Growth)	146,428	11,497	6	197,000- 221,000	215,410	3%
2016	153,017	12,187	6	190,000- 194,360	226,139	17.7%
Class B Stock 2016				127	150.76	18.7%

Valuebands

Price/Sales



Price/Earnings



Price/Book



Price to Cashflow



Price to Free Cashflow



Enterprise Value to Revenue



Enterprise Value to EBIT



Conscious Investor

	12/05	12/06	12/07	12/08	12/09	12/10	12/11	12/12	12/13	12/14	EPSttm	Years	HG	ROWTH	STAEGR®
EPS (\$)	3.692	4.763	5.699	2.149	3.462	5.285	4.143	5.985	7.900	8.061	\$9.235	3		16.05%	95.00%
SPS (\$)	35.346	42.575	50.931	46.380	48.485	55.322	58.279	66.225	74.221	79.390		3		9.49%	99.34%

	Price	EPSttm	P/E Ratio	HGrowth	Payout	STRET®
Default	127.72	\$9.235	16.18	16.05%	0.0%	15.83%
Safety	127.72	\$9.235	12.12	9.49%	0.0%	6.83%

Cut P/E by 28.9% Cut Growth by 40.9%

	12/05	12/06	12/07	12/08	12/09	12/10	12/11	12/12	12/13	12/14	EPSttm	Years	HGROWTH	STAEGR®
EPS (\$)	3.692	4.763	5.699	2.149	3.462	5.285	4.143	5.985	7.900	8.061	\$9.235	6	18.17%	86.06%
SPS (\$)	35.346	42.575	50.931	46.380	48.485	55.322	58.279	66.225	74.221	79.390		6	10.44%	98.57%

	Price	EPSttm	P/E Ratio	HGrowth	Payout	STRET®
Default	127.72	\$9.235	16.18	18.17%	0.0%	17.85%
Safety	127.72	\$9.235	12.12	10.09%	0.0%	7.35%

Cut P/E by 28.9% Cut Growth by 44.5%

	12/05	12/06	12/07	12/08	12/09	12/10	12/11	12/12	12/13	12/14	EPSttm	Years	HGROWTH	STAEGR®
EPS (\$)	3.692	4.763	5.699	2.149	3.462	5.285	4.143	5.985	7.900	8.061	\$9.235	10	8.18%	70.02%
SPS (\$)	35.346	42.575	50.931	46.380	48.485	55.322	58.279	66.225	74.221	79.390		10	8.50%	95.17%

	Price	EPSttm	P/E Ratio	HGrowth	Payout	STRET®
Default	125.09	\$9.235	16.12	8.18%	0.0%	8.64%
Safety	125.09	\$9.235	11.92	5.94%	0.0%	3.81%

Cut P/E by 26.1% Cut Growth by 27.4%

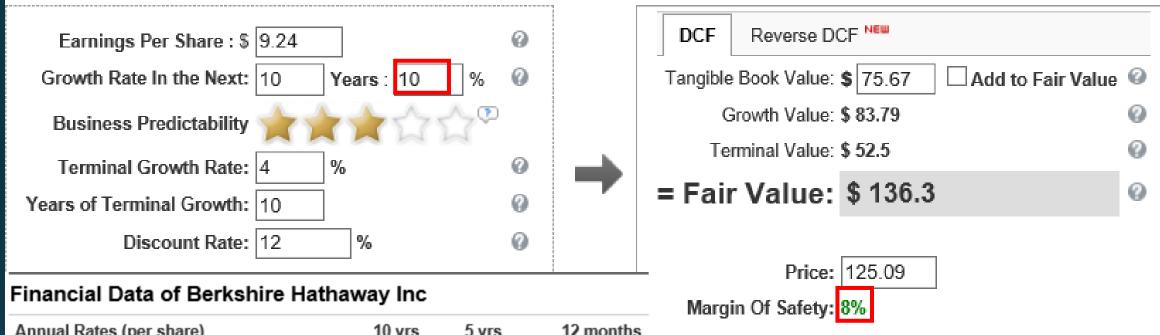
Kill It - 6 Year

	Price	EPSttm	P/E Ratio	HGrowth	Payout	STRET®
Default	126.58	\$9.235	16.15	18.17%	0.0%	17.93%
Safety	126.58	\$9.235	12.03	10.09%	0.0%	7.37%
♂ Saved	126.58	\$9.235	11.00	2.25%	0.0%	0.02%

Cut P/E by 31.9% Cut Growth by 87.6%

Discounted Cashflow

Guru Discounted Cashflow



Annual Rates (per share)	10 yrs	5 yrs	12 months
Revenue Growth (%)	8.70	10.30	7.20
EBITDA Growth (%)	9.90	16.70	12.50
EBIT Growth (%)	11.30	17.90	13.30
EPS without NRI Growth (%)	8.20	18.00	10.10
Free Cash Flow Growth (%)	11.00	8.20	-13.70
Book Value Growth (%)	9.90	11.90	4.50

Reverse Discounted Cashflow



-13.70

4.50

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Revenue Growth (%)	8.70	10.30	7.20
EBITDA Growth (%)	9.90	16.70	12.50
EBIT Growth (%)	11.30	17.90	13.30
EPS without NRI Growth (%)	8.20	18.00	10.10

11.00

9.90

8.20

11.90

Free Cash Flow Growth (%)

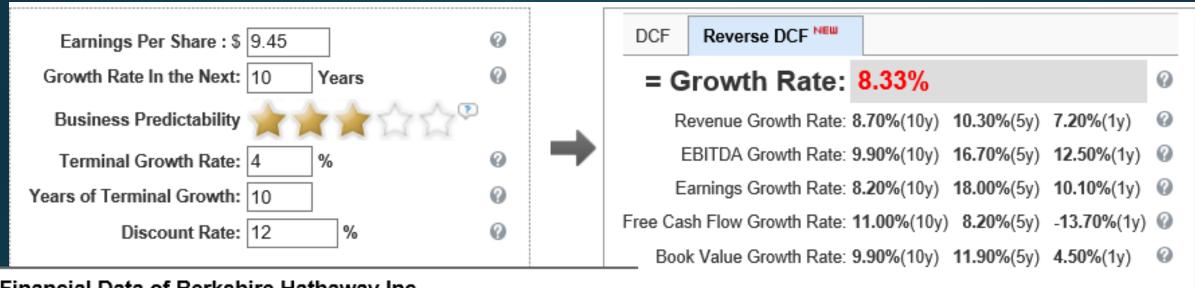
Book Value Growth (%)

Value Line Discounted Cashflow



Annual Rates (per share)	10 yrs	5 yrs	12 months
Revenue Growth (%)	8.70	10.30	7.20
EBITDA Growth (%)	9.90	16.70	12.50
EBIT Growth (%)	11.30	17.90	13.30
EPS without NRI Growth (%)	8.20	18.00	10.10
Free Cash Flow Growth (%)	11.00	8.20	-13.70
Book Value Growth (%)	9.90	11.90	4.50

Reverse Discounted Cashflow



Financial Data of Berkshire Hathaway Inc

Annual Rates (per share)	10 yrs	5 yrs	12 months
Revenue Growth (%)	8.70	10.30	7.20
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EPS without NRI Growth (%)	8.20	18.00	10.10
Free Cash Flow Growth (%)	11.00	8.20	-13.70
Book Value Growth (%)	9.90	11.90	4.50

Industry Comparison

Company	BRK.B	ALIZF	AXAHY
Market Cap (mil)	310.45	67.91	55.65
Revenue (mil)	210.2	124.40	147.61
P/E	13.68	9.65	10.61
P/S	1.53	.55	.39
P/B	1.23	.98	.71
EV/EBIT	11.07	10.82	12.29
ROA	3.5	.63	.63
ROE	9.17	10.51	7.86
Operating Margin	16.12	9.56	5.84
Net Margin	10.98	6.27	4.12

DuPont-Historical

Year	Total Asset Turnover	Net Profit Margin	Financial Leverage Multiplier	Return on Equity
TTM	.380	10.9%	2.197	9.17%
2014	.370	10.4%	2.191	8.43%
2013	.376	10.9%	2.185	8.96%

DuPont-Competitors

Company	Total Asset Turnover	Net Profit Margin	Financial Leverage Multiplier	Return on Equity
BRK.B	.380	10.9%	2.197	9.17%
ALIZF	.133	5.8%	13.635	10.51%
AXAHY	.148	4.0%	13.282	7.86%

Intraportfolio Valuations

Price/Book

Ticker	
	Book
AIG-WT	-
AIG	0.6
BRKB	1.3
CMI	2.1
QCOM	2.1
WMT	2.7
BBBY	2.8
UNP	3.1
ORCL	3.3
NSRGY	4.0
MSFT	5.1
PEP	8.7
IBM	8.7
CHRW	8.9

Price/Earnings

Ticker	▲ Pri	
	Earnings	
AIG-WT		
IBM	8.2	
BBBY	8.6	
CMI	10.0	
AIG	10.4	
UNP	13.8	
WMT	14.4	
QCOM	14.4	
ORCL	17.2	
BRK.B	17.3	
CHRW	20.8	
PEP	22.4	
NSRGY	24.8	
MSFT	35.4	

Price/Sales

Ticker	
	Sales
AIG-WT	-
WMT	0.5
BBBY	0.6
CHRW	0.7
CMI	0.9
AIG	1.2
IBM	1.4
BRKB	1.6
PEP	2.2
NSRGY	2.6
QCOM	2.9
UNP	3.0
ORCL	4.2
MSFT	4.6

Price

Ticker	▲ 52-wk Range		
QCOM	\$42.83	\$74.09	
IBM	\$118.00	\$176.30	
BBBY	\$41.26	\$78.76	
AIG	\$51.15	\$64.93	
BRK.B	\$123.55	\$150.51	
AIG-WT	\$16.03	\$29.56	
UNP	\$67.06	\$124.52	
ORCL	\$33.13	\$45.24	
CMI	\$79.88	\$146.13	
WMT	\$56.30	\$87.41	
NSRGY	\$68.80	\$79.99	
CHRW	\$59.71	\$76.18	
MSFT	\$39.72	\$56.85	
PEP	\$76.48	\$103.44	

Conclusion

- Price to book
- Warren Buffett
- Economies of Scale
- Cost Advantages
- Intangibles

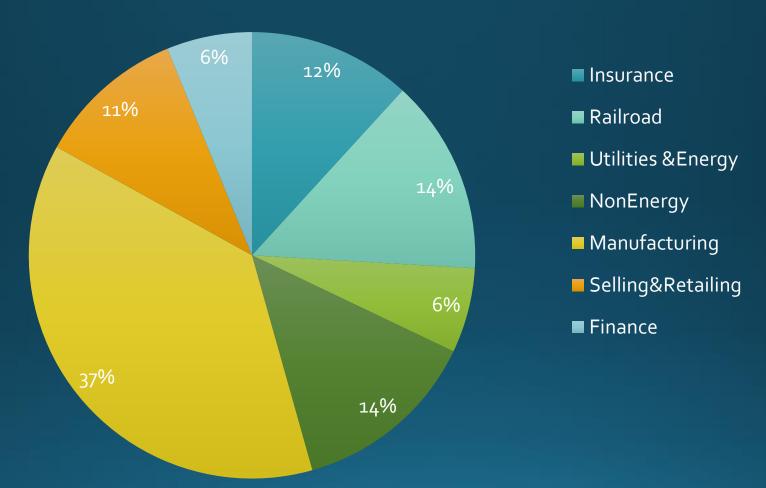
Recommendation

• Limit Order at \$123



Appendix

Employees



• I would be remiss if I didn't salute another key constituency that makes Berkshire special: our shareholders. Berkshire truly has an owner base unlike that of any other giant corporation. That fact was demonstrated in spades at last year's annual meeting, where the shareholders were offered a proxy resolution:

RESOLVED: Whereas the corporation has more money than it needs and since the owners unlike Warren are not multi billionaires, the board shall consider paying a meaningful annual dividend on the shares.

The sponsoring shareholder of that resolution never showed up at the meeting, so his motion was not officially proposed. Nevertheless, the proxy votes had been tallied, and they were enlightening.

Not surprisingly, the A shares – owned by relatively few shareholders, each with a large economic interest – voted "no" on the dividend question by a margin of 89 to 1.

The remarkable vote was that of our B shareholders. They number in the hundreds of thousands – perhaps even totaling one million – and they voted 660,759,855 "no" and 13,927,026 "yes," a ratio of about 47 to 1.

Our directors recommended a "no" vote but the company did not otherwise attempt to influence shareholders. Nevertheless, 98% of the shares voting said, in effect, "Don't send us a dividend but instead reinvest all of the earnings." To have our fellow owners – large and small – be so in sync with our managerial philosophy is both remarkable and rewarding.

I am a lucky fellow to have you as partners.

Warren E. Buffett