Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment AEB-Supplemental-1 July 16, 2020 Page 1 of 1

# SUMMARY OF ROE ANALYSES RESULTS<sup>1</sup>

Constan	t Growth DCF - Ea	rnings Growth	
	Mean Low	Mean	Mean High
30-Day Average	9.25%	9.43%	10.02%
90-Day Average	9.29%	9.32%	9.56%
180-Day Average	9.66%	9.53%	9.34%
Constant Growth Average	9.40%	9.42%	9.64%
Constant Grow	vth DCF - Earnings	& Retention Grow	vth
	Mean Low	Mean	Mean High
30-Day Average	8.27%	9.04%	10.31%
90-Day Average	9.15%	8.86%	9.85%
180-Day Average	9.05%	8.63%	9.62%
Constant Growth Average	8.82%	8.84%	9.93%
	САРМ		
	Current 30-day	Near-Term Blue	Long-Term Blue
	Average Treasury	Chip Forecast	Chip Forecast
	Bond Yield	Yield	Yield
Bloomberg Beta	11.00%	11.06%	11.32%
Value Line Beta	9.54%	9.65%	10.07%
Treas	sury Yield Plus Ris	k Premium	
	Current 30-day	Near-Term Blue	Long-Term Blue
	Average Treasury	Chip Forecast	Chip Forecast
	Bond Yield	Yield	Yield
Risk Premium Analysis	9.06%	9.22%	9.82%
Risk Premium Mean Result		9.37%	

# Notes:

[1] The analytical results included in the table reflect the results of the Constant Growth analysis excluding the results for individual companies that did not meet the minimum threshold of 7 percent.

											All Proxy Grou	ıр	١	Nith Exclusior	าร
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]
							Yahoo!								
					Expected	Value Line	Finance	Zacks	Average						
		Annualized	Stock	Dividend	Dividend	Earnings	Earnings	Earnings	Growth						
Company	Ticker	Dividend	Price	Yield	Yield	Growth	Growth	Growth	Rate	Low ROE	Mean ROE	High ROE	Low ROE	Mean ROE	High ROE
ALLETE, Inc.	ALE	\$2.47	\$55.35	4.46%	4.60%	5.50%	7.00%	NA%	6.25%	10.09%	10.85%	11.62%	10.09%	10.85%	11.62%
Alliant Energy Corporation	LNT	\$1.52	\$48.09	3.16%	3.25%	6.50%	5.65%	5.50%	5.88%	8.75%	9.14%	9.76%	8.75%	9.14%	9.76%
Avangrid, Inc.	AGR	\$1.76	\$42.61	4.13%	4.25%	6.00%	6.30%	5.50%	5.93%	9.74%	10.19%	10.56%	9.74%	10.19%	10.56%
FirstEnergy Corporation	FE	\$1.56	\$41.53	3.76%	3.92%	8.50%	Negative	NA%	8.50%	12.42%	12.42%	12.42%	12.42%	12.42%	12.42%
Hawaiian Electric Industries, Inc.	HE	\$1.32	\$38.46	3.43%	3.48%	3.50%	3.30%	1.70%	2.83%	5.16%	6.31%	6.99%			
NorthWestern Corporation	NWE	\$2.40	\$57.75	4.16%	4.22%	2.50%	3.66%	3.40%	3.19%	6.71%	7.41%	7.89%		7.41%	7.89%
Portland General Electric Company	POR	\$1.54	\$45.18	3.41%	3.48%	4.00%	4.15%	5.30%	4.48%	7.48%	7.97%	8.80%	7.48%	7.97%	8.80%
PPL Corporation	PPL	\$1.66	\$25.55	6.50%	6.55%	2.50%	0.50%	NA%	1.50%	7.01%	8.05%	9.08%	7.01%	8.05%	9.08%
Mean				4.13%	4.22%	4.88%	4.37%	4.28%	4.82%	8.42%	9.04%	9.64%	9.25%	9.43%	10.02%

Notes:

[1] Source: Bloomberg Professional. [2] Source: Bloomberg Professional, equals 30-day average as of May 29, 2020

[2] Source: Bioonberg Professio [3] Equals [1] / [2] [4] Equals [3] x (1 + 0.50 x [8]) [5] Source: Value Line [6] Source: Yahoo! Finance [7] Source: Zacks

[8] Equals Average ([5], [6], [7]) [9] Equals [3] x (1 + 0.50 x Minimum ([5], [6], [7]) + Minimum ([5], [6], [7]) [10] Equals [4] + [8]

[11] Equals [3] x (1 + 0.50 x Maximum ([5], [6], [7]) + Maximum ([5], [6], [7])

[12] Equals [9] if greater than 7.00% [13] Equals [10] if greater than 7.00%

[14] Equals [11] if greater than 7.00%

											All Proxy Grou	ıр	,	With Exclusion	ns
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]
							Yahoo!								
					Expected	Value Line	Finance	Zacks	Average						
		Annualized	Stock	Dividend	Dividend	Earnings	Earnings	Earnings	Growth						
Company	Ticker	Dividend	Price	Yield	Yield	Growth	Growth	Growth	Rate	Low ROE	Mean ROE	High ROE	Low ROE	Mean ROE	High ROE
ALLETE, Inc.	ALE	\$2.47	\$65.91	3.75%	3.86%	5.50%	7.00%	NA%	6.25%	9.35%	10.11%	10.88%	9.35%	10.11%	10.88%
Alliant Energy Corporation	LNT	\$1.52	\$51.84	2.93%	3.02%	6.50%	5.65%	5.50%	5.88%	8.51%	8.90%	9.53%	8.51%	8.90%	9.53%
Avangrid, Inc.	AGR	\$1.76	\$46.81	3.76%	3.87%	6.00%	6.30%	5.50%	5.93%	9.36%	9.80%	10.18%	9.36%	9.80%	10.18%
FirstEnergy Corporation	FE	\$1.56	\$44.08	3.54%	3.69%	8.50%	Negative	NA%	8.50%	12.19%	12.19%	12.19%	12.19%	12.19%	12.19%
Hawaiian Electric Industries, Inc.	HE	\$1.32	\$43.16	3.06%	3.10%	3.50%	3.30%	1.70%	2.83%	4.78%	5.94%	6.61%			
NorthWestern Corporation	NWE	\$2.40	\$65.27	3.68%	3.74%	2.50%	3.66%	3.40%	3.19%	6.22%	6.92%	7.40%			7.40%
Portland General Electric Company	POR	\$1.54	\$51.56	2.99%	3.05%	4.00%	4.15%	5.30%	4.48%	7.05%	7.54%	8.37%	7.05%	7.54%	8.37%
PPL Corporation	PPL	\$1.66	\$28.59	5.81%	5.85%	2.50%	0.50%	NA%	1.50%	6.32%	7.35%	8.38%		7.35%	8.38%
Mean				3.69%	3.77%	4.88%	4.37%	4.28%	4.82%	7.97%	8.59%	9.19%	9.29%	9.32%	9.56%

Notes:

Source: Bloomberg Professional.
 Source: Bloomberg Professional, equals 90-day average as of May 29, 2020

[3] Equals [1] / [2]

[4] Equals [3] x (1 + 0.50 x [8]) [5] Source: Value Line [6] Source: Yahoo! Finance

[7] Source: Zacks

[8] Equals Average ([5], [6], [7])

[9] Equals [3] x (1 + 0.50 x Minimum ([5], [6], [7]) + Minimum ([5], [6], [7])

[10] Equals [4] + [8]

[11] Equals [3] x (1 + 0.50 x Maximum ([5], [6], [7]) + Maximum ([5], [6], [7])

[12] Equals [9] if greater than 7.00%

[13] Equals [10] if greater than 7.00%

[14] Equals [11] if greater than 7.00%

											All Proxy Grou	р	١	With Exclusior	าร
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]
							Yahoo!								
					Expected	Value Line	Finance	Zacks	Average						
		Annualized	Stock	Dividend	Dividend	Earnings	Earnings	Earnings	Growth						
Company	Ticker	Dividend	Price	Yield	Yield	Growth	Growth	Growth	Rate	Low ROE	Mean ROE	High ROE	Low ROE	Mean ROE	High ROE
ALLETE, Inc.	ALE	\$2.47	\$74.56	3.31%	3.42%	5.50%	7.00%	NA%	6.25%	8.90%	9.67%	10.43%	8.90%	9.67%	10.43%
Alliant Energy Corporation	LNT	\$1.52	\$52.63	2.89%	2.97%	6.50%	5.65%	5.50%	5.88%	8.47%	8.86%	9.48%	8.47%	8.86%	9.48%
Avangrid, Inc.	AGR	\$1.76	\$48.50	3.63%	3.74%	6.00%	6.30%	5.50%	5.93%	9.23%	9.67%	10.04%	9.23%	9.67%	10.04%
FirstEnergy Corporation	FE	\$1.56	\$45.97	3.39%	3.54%	8.50%	Negative	NA%	8.50%	12.04%	12.04%	12.04%	12.04%	12.04%	12.04%
Hawaiian Electric Industries, Inc.	HE	\$1.32	\$44.09	2.99%	3.04%	3.50%	3.30%	1.70%	2.83%	4.72%	5.87%	6.55%			
NorthWestern Corporation	NWE	\$2.40	\$68.84	3.49%	3.54%	2.50%	3.66%	3.40%	3.19%	6.03%	6.73%	7.21%			7.21%
Portland General Electric Company	POR	\$1.54	\$53.79	2.86%	2.93%	4.00%	4.15%	5.30%	4.48%	6.92%	7.41%	8.24%		7.41%	8.24%
PPL Corporation	PPL	\$1.66	\$31.05	5.35%	5.39%	2.50%	0.50%	NA%	1.50%	5.86%	6.89%	7.91%			7.91%
Mean				3.49%	3.57%	4.88%	4.37%	4.28%	4.82%	7.77%	8.39%	8.99%	9.66%	9.53%	9.34%

Notes:

[1] Source: Bloomberg Professional.
[2] Source: Bloomberg Professional, equals 180-day average as of May 29, 2020

[3] Equals [1] / [2] [4] Equals [3] x (1 + 0.50 x [8]) [5] Source: Value Line

[6] Source: Yahoo! Finance [7] Source: Zacks

[8] Equals Average ([5], [6], [7]) [9] Equals [3] x (1 + 0.50 x Minimum ([5], [6], [7]) + Minimum ([5], [6], [7]) [10] Equals [4] + [8]

[11] Equals [3] x (1 + 0.50 x Maximum ([5], [6], [7]) + Maximum ([5], [6], [7])

[12] Equals [9] if greater than 7.00% [13] Equals [10] if greater than 7.00%

[14] Equals [11] if greater than 7.00%

RETENTION GROWTH

		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]
		All	All	All		Return on	Return on	Return on														
		Dividends to	Dividends to	Dividends to		Common	Common	Common	Average		Common	Common	Common	Price	Price	Price	Projected					
		Net Profit	Net Profit	Net Profit	Average	Equity	Equity	Equity	Return on		Shares	Shares	Shares	Projection	Projection	Projection	Book Value					
		Projection	Projection	Projection	Retention	Projection	Projection	Projection	Common		Outstanding	Outstanding	Outstanding	Years 3-5	Years 3-5	Years 3-5	per Share	Market-to-				
Company	Ticker	Year 1	Year 2	Years 3-5	Ratio	Year 1	Year 2	Years 3-5	Equity	BxR	Year 0	Years 3-5	Growth Rate	High	Low	Mid	Years 3-5	Book Ratio	S	V	SxV	BR + S\
ALLETE. Inc.	ALE	69.00%	68.00%	67.00%	32.00%	7.50%	8.00%	8.50%	8.00%	2.56%	51.70	53.00	0.50%	\$ 90.00	\$ 65.00	\$ 77.50	52.50	1.48	0.74%	32.26%	0.24%	2.80
Alliant Energy Corporation	LNT	63.00%	64.00%	67.00%	35.33%	10.50%		10.50%	10.33%	3.65%		260.00		\$ 55.00	\$ 40.00	\$ 47.50	28.80	1.65	1.97%	39.37%	0.78%	4.439
Avangrid, Inc.	AGR	81.00%	76.00%	72.00%	23.67%	4.50%	4.50%	5.50%	4.83%	1.14%	309.01	309.00	0.00%	\$ 55.00	\$ 40.00	\$ 47.50	52.50	0.90	0.00%	-10.53%	0.00%	1.149
FirstEnergy Corporation	FE	85.00%	58.00%	60.00%	32.33%	14.00%	19.00%	15.50%	16.17%	5.23%	540.65	575.00	1.24%	\$ 60.00	\$ 45.00	\$ 52.50	20.25	2.59	3.21%	61.43%	1.97%	7.20
Hawaiian Electric Industries, Inc.	HE	67.00%	67.00%	71.00%	31.67%	9.00%	9.00%	9.00%	9.00%	2.85%	108.97	114.00	0.91%	\$ 50.00	\$ 35.00	\$ 42.50	25.00	1.70	1.54%	41.18%	0.63%	3.48
NorthWestern Corporation	NWE	69.00%	70.00%	70.00%	30.33%	8.50%	8.50%	8.50%	8.50%	2.58%	50.45	53.00	0.99%	\$ 85.00	\$ 65.00	\$ 75.00	45.75	1.64	1.62%	39.00%	0.63%	3.219
Portland General Electric Company	POR	64.00%	64.00%	67.00%	35.00%	8.50%	8.50%	9.00%	8.67%	3.03%	89.39	90.00	0.14%	\$ 60.00	\$ 45.00	\$ 52.50	33.75	1.56	0.21%	35.71%	0.08%	3.119
PPL Corporation	PPL	69.00%	68.00%	67.00%	32.00%	13.50%	13.00%	12.50%	13.00%	4.16%	767.23	780.00	0.33%	\$ 45.00	\$ 35.00	\$ 40.00	21.25	1.88	0.62%	46.88%	0.29%	4.45
Mean																						3.73

 Notes:

 [1] Source: Value Line

 [2] Source: Value Line

 [3] Source: Value Line

 [4] Equals 1 - Average ([1], [2], [3])

 [5] Source: Value Line

 [6] Source: Value Line

 [8] Equals Average ([1], [6], [7])

 [9] Equals Average ([1], [6], [6], [7])

 [9] Source: Value Line

 [11] Source: Value Line

 [12] Equals [4] × [8]

 [13] Source: Value Line

 [14] Source: Value Line

 [15] Equals Average ([15], [16], [11], [14])

 [16] Equals [15] / [16]

 [17] Equals [15] / [16]

 [18] Equals [14] / [17], [19]

 [19] Equals [14] / [17]

 [20] Equals [18] × [19]

 [21] Equals [18] × [19]

 [21] Equals [18] × [19]

 [21] Equals [2] + [20]

												All Proxy Grou	p	۱	Nith Exclusio	ns
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]
							Yahoo!									
					Expected	Value Line	Finance	Zacks	Retention	Average						
		Annualized	Stock	Dividend	Dividend	Earnings	Earnings	Earnings	Growth	Growth						
Company	Ticker	Dividend	Price	Yield	Yield	Growth	Growth	Growth	Rate	Rate	Low ROE	Mean ROE	High ROE	Low ROE	Mean ROE	High ROE
ALLETE, Inc.	ALE	\$2.47	\$55.35	4.46%	4.58%	5.50%	7.00%	NA%	2.80%	5.10%	7.32%	9.68%	11.62%	7.32%	9.68%	11.62%
Alliant Energy Corporation	LNT	\$1.52	\$48.09	3.16%	3.25%	6.50%	5.65%	5.50%	4.43%	5.52%	7.66%	8.77%	9.76%	7.66%	8.77%	9.76%
Avangrid, Inc.	AGR	\$1.76	\$42.61	4.13%	4.23%	6.00%	6.30%	5.50%	1.14%	4.74%	5.30%	8.96%	10.56%		8.96%	10.56%
FirstEnergy Corporation	FE	\$1.56	\$41.53	3.76%	3.90%	8.50%	Negative	NA%	7.20%	7.85%	11.09%	11.75%	12.42%	11.09%	11.75%	12.42%
Hawaiian Electric Industries, Inc.	HE	\$1.32	\$38.46	3.43%	3.48%	3.50%	3.30%	1.70%	3.48%	3.00%	5.16%	6.48%	6.99%			
NorthWestern Corporation	NWE	\$2.40	\$57.75	4.16%	4.22%	2.50%	3.66%	3.40%	3.21%	3.19%	6.71%	7.42%	7.89%		7.42%	7.89%
Portland General Electric Company	POR	\$1.54	\$45.18	3.41%	3.48%	4.00%	4.15%	5.30%	3.11%	4.14%	6.57%	7.62%	8.80%		7.62%	8.80%
PPL Corporation	PPL	\$1.66	\$25.55	6.50%	6.58%	2.50%	0.50%	NA%	4.45%	2.48%	7.01%	9.06%	11.09%	7.01%	9.06%	11.09%
Mean				4.13%	4.21%	4.88%	4.37%	4.28%	3.73%	4.50%	7.10%	8.72%	9.89%	8.27%	9.04%	10.31%

Notes:

 [1] Source: Bloomberg Professional.

 [2] Source: Bloomberg Professional, equals 30-day average as of May 29, 2020

 [3] Equals [1] / [2]

 [4] Equals [3] x (1 + 0.50 x [9])

 [5] Source: Value Line

 [6] Source: Yahoo! Finance

 [7] Source: Zacks

 [8] Source: Attachment AEB-Supplemental-3

 [9] Equals [3] x (1 + 0.50 x Minimum ([5], [6], [7], [8]) + Minimum ([5], [6], [7], [8])

 [10] Equals [3] x (1 + 0.50 x Maximum ([5], [6], [7], [8]) + Minimum ([5], [6], [7], [8])

 [11] Equals [3] x (1 + 0.50 x Maximum ([5], [6], [7], [8]) + Maximum ([5], [6], [7], [8])

 [12] Equals [3] x (1 + 0.50 x Maximum ([5], [6], [7], [8]) + Maximum ([5], [6], [7], [8])

 [13] Equals [1] if greater than 7.00%

 [14] Equals [12] if greater than 7.00%

												All Proxy Grou	p	١	Nith Exclusio	ns
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]
							Yahoo!									
					Expected	Value Line	Finance	Zacks	Retention	Average						
		Annualized	Stock	Dividend	Dividend	Earnings	Earnings	Earnings	Growth	Growth						
Company	Ticker	Dividend	Price	Yield	Yield	Growth	Growth	Growth	Rate	Rate	Low ROE	Mean ROE	High ROE	Low ROE	Mean ROE	High ROE
ALLETE, Inc.	ALE	\$2.47	\$65.91	3.75%	3.84%	5.50%	7.00%	NA%	2.80%	5.10%	6.60%	8.94%	10.88%		8.94%	10.88%
Alliant Energy Corporation	LNT	\$1.52	\$51.84	2.93%	3.01%	6.50%	5.65%	5.50%	4.43%	5.52%	7.42%	8.53%	9.53%	7.42%	8.53%	9.53%
Avangrid, Inc.	AGR	\$1.76	\$46.81	3.76%	3.85%	6.00%	6.30%	5.50%	1.14%	4.74%	4.93%	8.58%	10.18%		8.58%	10.18%
FirstEnergy Corporation	FE	\$1.56	\$44.08	3.54%	3.68%	8.50%	Negative	NA%	7.20%	7.85%	10.87%	11.53%	12.19%	10.87%	11.53%	12.19%
Hawaiian Electric Industries, Inc.	HE	\$1.32	\$43.16	3.06%	3.10%	3.50%	3.30%	1.70%	3.48%	3.00%	4.78%	6.10%	6.61%			
NorthWestern Corporation	NWE	\$2.40	\$65.27	3.68%	3.74%	2.50%	3.66%	3.40%	3.21%	3.19%	6.22%	6.93%	7.40%			7.40%
Portland General Electric Company	POR	\$1.54	\$51.56	2.99%	3.05%	4.00%	4.15%	5.30%	3.11%	4.14%	6.14%	7.19%	8.37%		7.19%	8.37%
PPL Corporation	PPL	\$1.66	\$28.59	5.81%	5.88%	2.50%	0.50%	NA%	4.45%	2.48%	6.32%	8.36%	10.39%		8.36%	10.39%
Mean				3.69%	3.77%	4.88%	4.37%	4.28%	3.73%	4.50%	6.66%	8.27%	9.44%	9.15%	8.86%	9.85%

Notes:

 [1] Source: Bloomberg Professional.

 [2] Source: Bloomberg Professional, equals 90-day average as of May 29, 2020

 [3] Equals [1] / [2]

 [4] Equals [3] x (1 + 0.50 x [9])

 [5] Source: Value Line

 [6] Source: Value Line

 [7] Source: Zacks

 [8] Source: Attachment AEB-Supplemental-3

 [9] Equals [3] x (1 + 0.50 x Minimum ([5], [6], [7], [8]) + Minimum ([5], [6], [7], [8])

 [11] Equals [3] x (1 + 0.50 x Minimum ([5], [6], [7], [8]) + Minimum ([5], [6], [7], [8])

 [11] Equals [3] x (1 + 0.50 x Maximum ([5], [6], [7], [8]) + Maximum ([5], [6], [7], [8])

 [13] Equals [13] x (1 + 0.50 x Maximum ([5], [6], [7], [8]) + Maximum ([5], [6], [7], [8])

 [13] Equals [14] + [9]

 [14] Equals [14] t [16] greater than 7.00%

[15] Equals [12] if greater than 7.00%

						ANT GROWT					,	All Proxy Grou	p	١	Nith Exclusio	ns
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]
							Yahoo!									
					Expected	Value Line	Finance	Zacks	Retention	Average						
		Annualized	Stock	Dividend	Dividend	Earnings	Earnings	Earnings	Growth	Growth						
Company	Ticker	Dividend	Price	Yield	Yield	Growth	Growth	Growth	Rate	Rate	Low ROE	Mean ROE	High ROE	Low ROE	Mean ROE	High ROE
ALLETE, Inc.	ALE	\$2.47	\$74.56	3.31%	3.40%	5.50%	7.00%	NA%	2.80%	5.10%	6.16%	8.50%	10.43%		8.50%	10.43%
Alliant Energy Corporation	LNT	\$1.52	\$52.63	2.89%	2.97%	6.50%	5.65%	5.50%	4.43%	5.52%	7.38%	8.49%	9.48%	7.38%	8.49%	9.48%
Avangrid, Inc.	AGR	\$1.76	\$48.50	3.63%	3.71%	6.00%	6.30%	5.50%	1.14%	4.74%	4.79%	8.45%	10.04%		8.45%	10.04%
FirstEnergy Corporation	FE	\$1.56	\$45.97	3.39%	3.53%	8.50%	Negative	NA%	7.20%	7.85%	10.72%	11.38%	12.04%	10.72%	11.38%	12.04%
Hawaiian Electric Industries, Inc.	HE	\$1.32	\$44.09	2.99%	3.04%	3.50%	3.30%	1.70%	3.48%	3.00%	4.72%	6.03%	6.55%			
NorthWestern Corporation	NWE	\$2.40	\$68.84	3.49%	3.54%	2.50%	3.66%	3.40%	3.21%	3.19%	6.03%	6.73%	7.21%			7.21%
Portland General Electric Company	POR	\$1.54	\$53.79	2.86%	2.92%	4.00%	4.15%	5.30%	3.11%	4.14%	6.02%	7.06%	8.24%		7.06%	8.24%
PPL Corporation	PPL	\$1.66	\$31.05	5.35%	5.41%	2.50%	0.50%	NA%	4.45%	2.48%	5.86%	7.90%	9.92%		7.90%	9.92%
Mean				3.49%	3.57%	4.88%	4.37%	4.28%	3.73%	4.50%	6.46%	8.07%	9.24%	9.05%	8.63%	9.62%

Notes:

 [1] Source: Bloomberg Professional.

 [2] Source: Bloomberg Professional, equals 180-day average as of May 29, 2020

 [3] Equals [1] / [2]

 [4] Equals [3] x (1 + 0.50 x [9])

 [5] Source: Value Line

 [6] Source: Value Line

 [7] Source: Zacks

 [8] Source: Attachment AEB-Supplemental-3

 [9] Equals [3] x (1 + 0.50 x Minimum ([5], [6], [7], [8]) + Minimum ([5], [6], [7], [8])

 [10] Equals [3] x (1 + 0.50 x Minimum ([5], [6], [7], [8]) + Maximum ([5], [6], [7], [8])

 [11] Equals [3] x (1 + 0.50 x Maximum ([5], [6], [7], [8]) + Maximum ([5], [6], [7], [8])

 [12] Equals [3] x (1 + 0.50 x Maximum ([5], [6], [7], [8]) + Maximum ([5], [6], [7], [8])

 [13] Equals [13] x (1 + 0.50 x Maximum ([5], [6], [7], [8]) + Maximum ([5], [6], [7], [8])

 [14] Equals [13] x [1 + 0.50 x Maximum ([5], [6], [7], [8]) + Maximum ([5], [6], [7], [8])

 [14] Equals [14] + [9]

 [14] Equals [14] if greater than 7.00%

 [15] Equals [12] if greater than 7.00%

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BETA AS OF MAY 29, 2020

		[1]	[2]
Proxy Group		Bloomberg	Value Line
ALLETE, Inc.	ALE	0.82	0.60
Alliant Energy Corporation	LNT	0.81	0.55
Avangrid, Inc.	AGR	0.73	0.80
FirstEnergy Corporation	FE	0.80	0.85
Hawaiian Electric Industries, Inc.	HE	0.71	0.55
NorthWestern Corporation	NWE	0.90	0.55
Portland General Electric Company	POR	0.82	0.55
PPL Corporation	PPL	0.89	1.05
Mean		0.809	0.688

Notes:

[1] Source: Bloomberg Professional, May 29, 2020

[2] Source: Value Line; March 13, 2020; April 24, 2020; May 15, 2020

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# CAPITAL ASSET PRICING MODEL

	[4]	[5]	[6]	[7]	[8]
	Risk-Free		Market	Market Risk	
	Rate	Beta	Return	Premium	ROE
	(Rf)	(β)	(Rm)	(Rm - Rf)	(K)
Proxy Group Average Bloomberg Beta					
Current 30-day average of 30-year U.S. Treasury bond yield [1]	1.33%	0.809	13.28%	11.95%	11.00%
Near-term projected 30-year U.S. Treasury bond yield (Q3 2020 - Q3 2021) [2]	1.68%	0.809	13.28%	11.60%	11.06%
Projected 30-year U.S. Treasury bond yield (2022 - 2026) [3]	3.00%	0.809	13.28%	10.28%	11.32%
				MEAN	11.13%
Proxy Group Average Value Line Beta					
Current 30-day average of 30-year U.S. Treasury bond yield [1]	1.33%	0.688	13.28%	11.95%	9.54%
Near-term projected 30-year U.S. Treasury bond yield (Q3 2020 - Q3 2021) [2]	1.68%	0.688	13.28%	11.60%	9.65%
Projected 30-year U.S. Treasury bond yield (2022 - 2026) [3]	3.00%	0.688	13.28%	10.28%	10.07%
				MEAN	9.75%

Notes:

[1] Source: Bloomberg Professional, 30-day average as of May 29, 2020

[2] Source: Blue Chip Financial Forecasts, Vol. 39, No. 6, June 1, 2020, at 2

[3] Source: Blue Chip Financial Forecasts, Vol. 39, No. 6, June 1, 2020, at 14

[4] See Notes [1], [2] and [3]

[5] Source: Attachment AEB-Supplemental-5

[6] Source: Attachment AEB-Supplemental-6, at 2

[7] Equals [6] - [4]

[8] Equals [4] + ([5] x [7])

## MARKET RISK PREMIUM DERIVED FROM ANALYSTS LONG-TERM GROWTH ESTIMATES

[9] Estimated Weighted Average Dividend Yield		1.86%	
[10] Estimated Weighted Average Long-Term Growth Rate		11.32%	
[11] S&P 500 Estimated Required Market Return		13.28%	
[12] Risk-Free Rate	1.33%	1.68%	3.00%
[13] Implied Market Risk Premium	11.95%	11.60%	10.28%

		[14]	[15]	[16]	[17]	[18]
						Cap-Weighted
Name	Ticker	Weight in Index	Estimated Dividend Yield	Cap-Weighted Dividend Yield		Long-Term Growth Est.
LyondellBasell Industries NV American Express Co	LYB AXP	0.08% 0.30%	6.40% 1.77%	0.01% 0.01%	5.50% 7.04%	0.00% 0.02%
Verizon Communications Inc	VZ	0.30%	4.40%	0.01%	2.63%	0.02%
Broadcom Inc	AVGO	0.44%	4.48%	0.02%	9.05%	0.04%
Boeing Co/The	BA	0.33%	n/a	n/a	118.28%	0.39%
Caterpillar Inc	CAT	0.25%	3.41%	0.01%	4.25%	0.01%
JPMorgan Chase & Co	JPM	1.15%	3.65%	0.04%	5.70%	0.07%
Chevron Corp	CVX	0.66%	5.54%	0.04%	38.90%	0.26%
Coca-Cola Co/The	ко	0.77%	3.48%	0.03%	2.76%	0.02%
AbbVie Inc	ABBV	0.62%	5.17%	0.03%	3.12%	0.02%
Walt Disney Co/The	DIS	0.82%	n/a	n/a	19.55%	0.16%
FleetCor Technologies Inc	FLT	0.08%	n/a	n/a	13.02%	0.01%
Extra Space Storage Inc Exxon Mobil Corp	EXR XOM	0.05%	3.65% 7.51%	0.00%	1.54%	0.00%
	PSX	0.75% 0.13%	4.58%	0.06% 0.01%	16.84% 5.22%	0.13% 0.01%
Phillips 66 General Electric Co	GE	0.13%	0.60%	0.00%	6.07%	0.01%
HP Inc	HPQ	0.22%	4.60%	0.00%	4.77%	0.00%
Home Depot Inc/The	HD	1.02%	2.43%	0.02%	9.12%	0.09%
International Business Machines Corp	IBM	0.43%	5.21%	0.02%	2.67%	0.01%
Concho Resources Inc	CXO	0.04%	1.42%	0.00%	12.60%	0.01%
Johnson & Johnson	JNJ	1.48%	2.75%	0.04%	5.47%	0.08%
McDonald's Corp	MCD	0.53%	2.67%	0.01%	6.95%	0.04%
Merck & Co Inc	MRK	0.77%	3.06%	0.02%	8.23%	0.06%
3M Co	MMM	0.34%	3.76%	0.01%	7.05%	0.02%
American Water Works Co Inc	AWK	0.09%	1.71%	0.00%	8.19%	0.01%
Bank of America Corp	BAC	0.82%	2.93%	0.02%	9.25%	0.08%
Baker Hughes Co	BKR	0.04%	4.41%	0.00%	17.77%	0.01%
Pfizer Inc	PFE	0.76%	4.27%	0.03%	4.70%	0.04%
Procter & Gamble Co/The	PG	1.11%	2.70%	0.03%	7.11%	0.08%
AT&T Inc Noble Energy Inc	T NBL	0.84% 0.02%	6.71% 0.86%	0.06% 0.00%	4.48% 9.49%	0.04% 0.00%
Travelers Cos Inc/The	TRV	0.02%	3.12%	0.00%	9.49%	0.00%
Raytheon Technologies Corp	RTX	0.37%	2.95%	0.00%	-4.34%	-0.02%
Analog Devices Inc	ADI	0.16%	2.20%	0.00%	12.13%	0.02%
Walmart Inc	WMT	1.34%	1.75%	0.02%	4.98%	0.07%
Cisco Systems Inc	CSCO	0.75%	3.09%	0.02%	5.38%	0.04%
Intel Corp	INTC	1.00%	2.14%	0.02%	5.93%	0.06%
General Motors Co	GM	0.15%	n/a	n/a	13.21%	0.02%
Microsoft Corp	MSFT	5.29%	1.12%	0.06%	13.74%	0.73%
Dollar General Corp	DG	0.19%	0.75%	0.00%	11.50%	0.02%
Cigna Corp	CI	0.28%	0.02%	0.00%	11.09%	0.03%
Kinder Morgan Inc	KMI	0.14%	6.68%	0.01%	4.55%	0.01%
Citigroup Inc	С	0.39%	4.14%	0.02%	-1.53%	-0.01%
American International Group Inc	AIG	0.10%	4.20%	0.00%	15.35%	0.02%
Honeywell International Inc	HON	0.39%	2.46%	0.01%	7.17%	0.03%
Altria Group Inc HCA Healthcare Inc	MO HCA	0.28% 0.14%	8.56% n/a	0.02% n/a	6.05% 8.66%	0.02% 0.01%
Under Armour Inc	UAA	0.01%	n/a	n/a	18.10%	0.00%
International Paper Co	IP	0.05%	5.89%	0.00%	4.40%	0.00%
Hewlett Packard Enterprise Co	 HPE	0.05%	4.89%	0.00%	1.92%	0.00%
Abbott Laboratories	ABT	0.63%	1.54%	0.01%	8.10%	0.05%
Aflac Inc	AFL	0.10%	3.03%	0.00%	0.11%	0.00%
Air Products and Chemicals Inc	APD	0.21%	2.19%	0.00%	11.98%	0.02%
Royal Caribbean Cruises Ltd	RCL	0.04%	n/a	n/a	-48.40%	-0.02%
American Electric Power Co Inc	AEP	0.16%	3.24%	0.01%	6.68%	0.01%
Hess Corp	HES	0.06%	2.06%	0.00%	-23.46%	-0.01%
Apache Corp	APA	0.02%	0.85%	0.00%	-18.00%	0.00%
Archer-Daniels-Midland Co	ADM	0.08%	3.70%	0.00%	9.10%	0.01%
Automatic Data Processing Inc	ADP	0.24%	2.50%	0.01%	12.30%	0.03%
Verisk Analytics Inc	VRSK	0.11%	0.63%	0.00%	9.18%	0.01%
AutoZone Inc	AZO	0.10%	n/a	n/a	8.43%	0.01%
Avery Dennison Corp	AVY	0.04%	2.06%	0.00%	4.50%	0.00%
MSCI Inc	MSCI	0.11%	0.81%	0.00%	11.75%	0.01%
Ball Corp	BLL	0.09%	0.84%	0.00%	6.07%	0.01%
Carrier Global Corp Bank of New York Mellon Corp/The	CARR	0.00%	n/a	n/a	n/a	n/a
Bank of New York Mellon Corp/The Otis Worldwide Corp	BK OTIS	0.13% 0.09%	3.27% 1.48%	0.00% 0.00%	4.43% 4.80%	0.01% 0.00%
Baxter International Inc	BAX	0.09%	1.08%	0.00%	4.80%	0.02%
Becton Dickinson and Co	BDX	0.18%	1.28%	0.00%	8.32%	0.02%
Berkshire Hathaway Inc	BRK/B	0.98%	n/a	n/a	-3.10%	-0.03%
Best Buy Co Inc	BBY	0.08%	2.85%	0.00%	4.46%	0.00%
H&R Block Inc	HRB	0.01%	5.92%	0.00%	10.00%	0.00%
Boston Scientific Corp		0.21%	n/a	n/a	9.75%	0.02%
Boston Scientific Corp Bristol-Myers Squibb Co	BSX BMY	0.21% 0.52%	n/a 2.99%	n/a 0.02%	9.75% 11.35%	0.02% 0.06%
	BSX					
Bristol-Myers Squibb Co	BSX BMY	0.52%	2.99%	0.02%	11.35%	0.06%

Image         Image <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>							
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Carning Carning         CCL         0.04%         ras         a.b.         3.25%         0.00%           Corron Inc         CHV         0.04%         3.78%         0.00%         1.34%         0.01%           LDR Inc         CDDR         0.45%         3.78%         0.00%         6.13%         0.00%           LDR Inc         CDX         0.01%         2.78%         0.00%         6.13%         0.01%           LDR Inc         CDX         0.07%         0.76%         0.07%         6.13%         0.01%           Payons Distance Inc         DA         0.07%         0.07%         0.01%         4.04%         0.01%           Constraint Conc         CL         0.24%         0.01%         4.01%         0.01%							
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Chils Energy Corp         CMS         0.07%         6.27%         0.07%         6.07%         0.07%							
Newsell Bernish Inic         NWL         0.02%         6.87%         0.00%         4.04%         0.01%           Digit Printing         CD         0.04%         2.41%         0.01%         0.01%         0.01%           Digit Printing         CPA         0.01%         0.01							
Comments Inc         CMA         0.02%         7.28%         0.00%         -0.08         -0.08           Company Binned Inc         CD         0.06%         2.44%         0.00%         4.34%         0.00%           Signer Binned Inc         CD         0.06%         2.44%         0.00%         4.34%         0.00%           Comments Inc         CL         0.01%         8.06%         0.00%         4.34%         0.00%           Comments Inc         CL         0.01%         8.05%         0.04%         0.06%         4.34%         0.00%           Comments Inc         CL         0.01%         3.26%         0.00%         4.34%         0.00%           Demains Corp         DT         0.45%         0.04%<							
IPC Products Corp Compair Branch Line         IPC P         0.005         via         na         na         na         na           Considiant Extra Line         ED         0.016         4.05%         0.00%         3.25%         0.00%           Considiant Extra Line         ED         0.016         4.05%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         3.25%         0.00%         5.26%         0.00%         3.25%         0.00%         5.26%         0.00%         5.26%         0.00%         5.26%         0.00%         5.26%         0.00%         5.26%         0.00%         5.26%         0.00%         5.26%         0.00%         5.26%         0.00%         5.26%         0.00%         5.26%         0.00%         5.26%         0.00%         5.26% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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SL Green Peakly Corp         SL G         0.01%         8.04%         0.00%         4.13%         0.00%           Camma Inc         CAM         0.07%         3.05%         0.00%         4.13%         0.00%           Camma Inc         CAM         0.07%         3.05%         0.00%         3.05%         0.00%         3.05%         0.00%         3.05%         0.00%         3.05%         0.00%         3.05%         0.00%         0.01%         3.05%         0.01%         3.05%         0.01%         3.05%         0.01%         5.05%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.00%         0.00%         0.01%         0.00%							
Conting inc         GLW         0.07%         3.85%         0.00%         4.13%         0.00%           Commins inc         CM         0.16%         3.07%         0.06%         3.28%         0.03%           Demis A Co         DM         0.43%         0.04%         0.04%         0.04%         0.04%         0.04%           Demis A Co         DB         0.28%         4.43%         0.04%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.00%         0.01%         0.01%         0.01%         0.00%         0.01%         0.00%         0.01%         0.01%         0.01%         0.01%         0.01%         0.01%							
Cumming Inc         CMI         0.01%         3.07%         0.00%         8.25%         0.01%           Target Cop         TGT         0.23%         2.22%         0.01%         8.45%         0.02%           Target Cop         TGT         0.23%         2.22%         0.01%         6.45%         0.04%           Domision Finergy Inc         D         0.26%         2.01%         6.00%         0.00%         0.04%           Allant Energy Cop         DV         0.05%         2.01%         0.00%         6.04%         0.01%           Exem Cop PLC         DV         0.05%         2.01%         0.00%         6.05%         0.01%           Eacin Cop PLC         TT         0.13%         4.35%         0.01%         6.05%         0.05%           Eacin Cop PLC         PKI         0.13%         3.44%         0.05%         0.05%         0.05%           Eacin Cop PLC         PKI         0.04%         3.35%         0.00%         1.05%         0.05%           Eacin Cop PL         PKI         0.04%         3.35%         0.05%         1.15%         0.05%           Eacin Cop         PKI         0.04%         3.35%         0.05%         1.15%         0.05%         1.15							
Target Corp.         TGT         0.23%         2.23%         0.01%         8.43%         0.02%           Demix A Corp         D         0.28%         4.39%         0.01%							
Definition         DEF         0.18%         2.04%         0.00%         0.14%         0.00%           Dominion Energy Corp         DOV         0.05%         2.01%         0.00%         6.04%         0.01%           Daver Corp         DOV         0.05%         2.01%         0.00%         6.04%         0.01%           Regency Corp         ERG         0.03%         6.24%         0.00%         6.34%         0.00%           Regency Centers Corp         ERG         0.03%         6.24%         0.00%         6.96%         0.02%           Eclan Corp PLC         ETN         0.03%         6.24%         0.00%         6.96%         0.02%           Envisite/Iner Inc         PKI         0.04%         3.31%         0.00%         7.15%         0.00%           Envisite/Iner         AND         0.44%         3.11%         0.00%         7.15%         0.00%           Envisite/Iner         AND         0.44%         3.11%         0.00%         7.41%         0.00%           Envisite/Iner         FRC         0.05%         1.77%         0.00%         7.41%         0.00%           Envisite/Iner         FRC         0.05%         1.75%         0.01%         6.75%         0.05% </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Dominion Energy Inc         D         0.28%         4.35%         0.01%         5.05%         0.01%           Allant Energy Corp         LNT         0.05%         3.06%         0.00%         4.46%         0.01%           Allant Energy Corp         DLV         0.25%         3.06%         0.00%         4.46%         0.01%           Allant Energy Corp         ETN         0.13%         3.44%         0.00%         6.96%         0.01%           Eaton Corp PLC         DL         0.23%         3.44%         0.00%         6.96%         0.02%           Eaton Energy Corp         ETN         0.13%         3.44%         0.00%         6.96%         0.02%           PerkinElmar In         Energy Corp         FKI         0.04%         0.28%         0.00%         6.51%         0.01%           EOG Resources Inc         ECQ         0.12%         2.96%         0.00%         1.57%         0.01%           Equilation Inc         EFX         0.07%         1.01%         0.00%         1.57%         0.01%           Circla Corp         FRIX         0.03%         2.17%         0.01%         1.40%         0.01%           Equilation Inc         FX         0.03%         2.17%         0.00% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Dover Corp         DOV         0.05%         2.01%         0.09%         5.39%         0.01%           Lake Energy Corp         LIN         0.05%         5.40%         0.00%         5.40%         0.00%           Lake Energy Corp         DLK         0.25%         4.33%         0.01%         4.60%         0.00%           Exation Corp PLC         DTM         0.15%         4.43%         0.01%         6.40%         0.00%           Exation Corp PLC         DTM         0.13%         4.44%         0.00%         6.00%         0.00%         6.00%         0.00%         6.00%         0.00%         6.00%         0.00%         6.00%         0.00%         6.00%         0.00%         F.00%         0.00%         F.11%         0.01%         F.11%         0.01% <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
Dake Energy Corp         DUK         0.28%         4.33%         0.01%         5.66%         0.01%           Eaton Corp PLC         ETN         0.13%         3.44%         0.00%         6.69%         0.01%           Eaton Corp PLC         ETN         0.13%         3.44%         0.00%         6.99%         0.02%           Pendament Inc         ECD         2.29%         0.00%         -1.15%         0.01%           Corp Corp         ETR         0.04%         2.20%         0.00%         -1.15%         0.01%           Corp Corp         ETR         0.04%         3.59%         0.00%         -1.15%         0.01%           Corp Corp         ETR         0.07%         1.01%         0.00%         -7.1%         0.01%           Corp Anton         ETX         0.07%         1.01%         0.00%         5.7.7%         0.01%           Corp Anton         ETX         0.07%         1.01%         0.00%         7.41%         0.01%           Corp Anton         ETX         0.07%         1.01%         0.00%         7.47%         0.01%           Corp Anton         ETX         0.07%         1.01%         0.00%         7.47%         0.01%           Corp Anton <td></td> <td></td> <td>0.05%</td> <td>2.01%</td> <td></td> <td></td> <td></td>			0.05%	2.01%			
Regency Contents Corp         REG         0.03%         5.24%         0.00%         9.03%         0.01%           Earlach Inc         ECL         0.23%         0.89%         0.00%         9.03%         0.02%           Earlach Inc         EXL         0.23%         0.89%         0.00%         7.18%         0.00%           Enterson Electric Co         EMR         0.14%         3.31%         0.00%         7.18%         0.00%           And PLC         EMR         0.14%         3.31%         0.00%         1.10%         0.00%           Entersy Corp         ETR         0.07%         1.01%         0.01%         1.01%         0.02%         0.01%         0.01%         0.01%         0.01%         0.01%         0.02%         0.01%         0.02%         0.01%         0.01%         0.01%         0.02%         0.01%         0.							
Earlow Corp PLC         ETN         0.13%         3.44%         0.00%         6.90%         0.01%           Exolub Inc         Exolub Inc         PKI         0.04%         0.28%         0.00%         6.90%         0.02%           PerkinElmer Inc         PKI         0.04%         0.28%         0.00%         6.51%         0.00%           Ann PLC         EMM         0.14%         0.28%         0.00%         5.17%         0.02%           Entranson Electric Corp         ETR         0.07%         1.01%         0.00%         5.17%         0.02%           Equifax Inc         EQV         0.11%         7.41%         0.01%         0.01%           Gartner Inc         IT         0.04%         n.4         n.4         1.2.0%         0.01%           Gartner Inc         IF         0.04%         n.4         n.4         1.2.0%         0.01%           Ferd Corp         FF         0.04%         n.4         n.4         1.2.0%         0.01%           Ferd Corp         FF         0.04%         n.4         n.4         3.5.1%         0.01%           Ferd Corp         FF         0.09%         n.4         n.4         3.5.1%         0.01%           Feepo							
Pekin Elmer Inc         PKI         0.04%         0.28%         0.00%         7.18%         0.00%           EOG Resources inc         EOG         0.12%         2.00%         0.00%         1.12%         0.00%           EOG Resources inc         EOG         0.12%         2.00%         0.00%         1.12%         0.00%           Entargy Corp         ETR         0.08%         3.53%         0.00%         5.17%         0.00%           EVAL holdings inc         ETR         0.04%         2.03%         0.00%         5.17%         0.00%           Gattor Inc         T         0.04%         2.01%         0.00%         4.06%         0.02%           FMC Corp         FMC         0.05%         1.77%         0.00%         4.37%         0.01%           Fead Motr Co         F         0.96%         na         na         na         1.831%         0.01%           Frankin Resources inc         ECX         0.44%         5.21%         0.01%         6.37%         0.00%           Frankin Resources inc         CRS         0.04%         5.37%         0.00%         4.37%         0.01%           Frankin Resources inc         CRS         0.01%         5.37%         0.01%         6.3		ETN	0.13%	3.44%			0.01%
Emerson Electric Co         EMR         0.14%         3.31%         0.00%         6.51%         0.01%           COG Resources inc         EGG         0.12%         2.09%         0.00%         1.12%         0.00%           An PLC         Entergy Corp         ETR         0.09%         3.09%         0.00%         5.17%         0.00%           Equitax inc         IDV         0.11%         n.11%         0.00%         7.41%         0.01%           Equitax inc         IDV         0.11%         n.14         n.12%         0.01%           Evelts Corp         FIC         0.09%         1.77%         0.00%         9.73%         0.00%           Ford Mora Co         F         0.09%         1.71%         0.01%         8.39%         0.04%           Freeport-MCMRain inc         FC         0.09%         n.1a         n.1a         1.36 1%         0.07%           Gap IncThe         DEXCon inc         CCM         0.3%         0.04%         5.67%         0.01%         6.37%         0.00%           Gap IncThe         DEXCon inc         CCM         0.3%         n.4         1.40%         0.07%         Gap incThe         DEXCon inc         1.40%         0.00%         1.43%         0.00%							
EOG Resources Inc         EOG         0.12%         2.09%         0.00%         1.12%         0.00%           Entergy Corp         ETR         0.09%         3.59%         0.00%         5.17%         0.00%           Equifax Inc         ETR         0.09%         3.59%         0.00%         5.17%         0.01%           IQVA Holdings Inc         II         0.04%         n.ia         n.ia         1.12%         0.01%           IQVA Holdings Inc         II         0.04%         n.ia         n.ia         1.12%         0.01%           Feed Matrix Co         FIX         0.01%         n.ia         1.35%         0.01%         1.35%         0.01%           Freed Matrix Co         FIX         0.43%         5.00%         0.00%         6.79%         0.00%           FreedortAddra Co         FIX         0.05%         n.ia         n.ia         1.35%         0.01%           FreedortAddra Co         FIX         0.05%         n.ia         n.ia         3.03%         0.04%           Gag IncThe         GPS         0.15%         3.07%         0.00%         6.37%         0.01%           General Dynamics Corp         GD         1.66%         2.88%         0.00%         5.87% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Entergy Corp         ETR         0.09%         3.59%         0.00%         5.17%         0.00%           IQVIA holdings Inc         IQV         0.11%         n/a         n/a         1.120%         0.01%           IQVIA holdings Inc         IQV         0.11%         n/a         1.120%         0.01%           Gathrer Inc         IT         0.44%         n/a         n/a         1.20%         0.01%           FedC Corp         FBX         0.13%         2.01%         0.00%         4.74%         0.00%           Ford More Co         F         0.98%         1.77%         0.00%         6.75%         0.00%           Ford More Co         F         0.98%         1.76%         0.00%         6.37%         0.00%           Gag IncThe         GPS         0.13%         7.46%         n.47%         0.01%         6.78%           General Dynamics Corp         GD         0.16%         2.98%         0.00%         5.87%         0.00%           General Dynamics Corp         GGIS         0.15%         3.07%         0.00%         4.74%         0.01%           General Dynamics Corp         ATO         0.65%         3.22%         0.00%         5.87%         0.01%         Halll		EOG	0.12%		0.00%		
Equitarino         EFX         0.07%         1.01%         0.00%         7.41%         0.01%           Garther Inc         IT         0.04%         r/a         n/a         12.20%         0.01%           Garther Inc         IT         0.04%         r/a         n/a         12.20%         0.01%           FAIC Corp         FMC         0.05%         1.77%         0.00%         9.73%         0.00%           FAIC Corp         FMC         0.65%         1.77%         0.00%         9.73%         0.00%           Frankin Resources Inc         EEN         0.44%         5.50%         0.00%         6.37%         0.00%           Garanter Thoman         CPS         0.01%         9.78%         0.00%         6.37%         0.00%           Garanter Thoman         CPS         0.01%         9.78%         0.00%         4.58%         0.01%           General Mills         GIS         0.15%         3.27%         0.00%         4.58%         0.01%           General Mills         GIS         0.15%         3.27%         0.00%         4.76%         0.00%           Garanter Inc         GPC         0.05%         2.28%         0.00%         4.76%         0.00%							
ICVL Notatings Inc         ICV         0.11%         r/na         11.20%         0.01%           FedEx Corp         FDX         0.13%         2.01%         0.00%         14.06%         0.02%           FedE Corp         FDX         0.13%         2.01%         0.00%         14.06%         0.02%           Ford Motr Co         F         0.09%         17/a         na         13.51%         0.01%           Ford Motr Co         FE         0.09%         17/a         na         13.51%         0.01%           Freeport-McMoRAlen Inc         FEX         0.04%         5.55%         0.00%         4.57%         0.00%           Garl Internet         GPS         0.01%         9.76%         0.00%         4.55%         0.01%           General Dynamics Corp         GD         0.18%         9.76%         0.00%         4.55%         0.01%           Genuine Parts Co         GPC         0.05%         3.27%         0.00%         4.56%         0.01%           Amose Energy Corp         ATO         0.06%         1.49%         0.00%         4.56%         0.01%           Hafey-Davidson Inc         HAL         0.46%         1.49%         0.00%         4.57%         0.01%							
FedEx Corp         FDX         0.13%         2.01%         0.00%         14.06%         0.02%           FMC Corp         FMC         0.09%         1/7a         0.01%         0.73%         0.00%           Ford Motr Co         F         0.09%         1/7a         0.01%         6.37%         0.01%           Franklin Resources Inc         BEN         0.04%         5.50%         0.01%         6.37%         0.00%           Gap InoThe         GRS         0.01%         9.78%         0.00%         6.37%         0.00%           General Mils         GIS         0.15%         3.07%         0.00%         4.38%         0.01%           General Mils         GIS         0.16%         3.72%         0.00%         4.76%         0.01%           General Mils         GIS         0.15%         3.07%         0.00%         4.76%         0.01%           General Mils         GIS         0.15%         3.72%         0.00%         4.76%         0.01%           General Mils         GIS         0.15%         3.72%         0.00%         4.76%         0.01%           General Mils         CHC         0.05%         7.78%         0.01%         1.44%         0.01%         1.44% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
FMC Corp <sup>1</sup> FMC         0.09%         1.77%         0.00%         9.73%         0.00%           NextEra Energy Inc         NEE         0.49%         2.17%         0.01%         8.39%         0.04%           Franklin Resources Inc         BEN         0.04%         5.50%         0.00%         6.77%         0.00%           Gap IncThe         GPS         0.01%         9.77%         0.00%         6.37%         0.00%           Ceneral Dynamics Corp         GD         0.18%         n1a         n1a         30.99%         0.04%           General Institution         GIS         0.15%         3.07%         0.00%         4.55%         0.01%           General Institution         GIS         0.15%         3.07%         0.00%         4.76%         0.01%           Genuine Parts Co         GPC         0.05%         3.27%         0.00%         4.76%         0.01%           Hatley-Davidson Inc         HAC         0.04%         1.48%         0.00%         1.84%         0.01%           Hatley-Davidson Inc         LbX         0.16%         1.49%         0.00%         1.64%         0.01%           Hatley-Davidson Inc         LbX         0.16%         1.49%         0.00%							
Ford Motor Co         F         0.09%         na							
Frankin Resources Inc         BEN         0.04%         5.00%         0.00%         6-73%         0.00%           Gap Inc/The         GPS         0.01%         9.78%         0.00%         6.37%         0.00%           General Mile         GPS         0.01%         9.78%         0.00%         6.37%         0.00%           General Mile         GD         0.16%         2.98%         0.00%         5.87%         0.01%           General Mile         GIS         0.15%         3.07%         0.00%         4.58%         0.00%           General Mile         GIS         0.15%         3.27%         0.00%         7.34%         0.00%           Atmos Energy Corp         ATO         0.05%         3.22%         0.00%         7.34%         0.00%           WW Grainger Inc         HAL         0.04%         1.48%         0.00%         1.21%         0.00%           Laharis Technologies Inc         HAK         0.05%         5.78%         0.00%         4.10%         0.00%           Laharis Technologies Inc         HEX         0.08%         2.28%         0.00%         6.83%         0.01%           Synchrony Financial         SVF         0.08%         5.43%         0.00%         7.76% </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Freeprot-MdMoRan Inc         FCX         0.05%         n/a         n/a         136.19%         0.07%           Dex/Cm Inc         DXCM         0.13%         n/a         n/a         30.99%         0.04%           General Dynamics Corp         GD         0.16%         2.98%         0.00%         4.58%         0.01%           General Dynamics Corp         GD         0.16%         3.27%         0.00%         4.70%         0.00%           Genuine Parts Co         GFC         0.05%         2.22%         0.00%         7.34%         0.00%           Atmos Energy Corp         ATO         0.05%         2.28%         0.00%         7.34%         0.00%           Hallpouton Co         HAL         0.04%         1.49%         0.00%         12.95%         0.01%           Harley-Davidson Inc         LHX         0.16%         1.73%         0.00%         4.64%         0.03%           Harley-Davidson Inc         LHX         0.16%         1.73%         0.00%         4.64%         0.03%           Laberatis Technologies Inc         HFX         0.05%         5.78%         0.00%         4.36%         0.01%           More Corp         FTV         0.08%         0.28%         0.00% <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
Gap Inc/The         GPS         0.01%         9.78%         0.00%         6.37%         0.00%           DexCom Inc         DXCM         0.18%         n/a         n/a         30.9%         0.04%           General Mills Inc         GIS         0.16%         2.88%         0.00%         5.87%         0.01%           General Mills Inc         GIS         0.16%         3.27%         0.00%         7.47%         0.00%           Kamos EnergyCorp         ATO         0.05%         2.22%         0.00%         7.47%         0.01%           Haliburton Co         HAL         0.04%         1.88%         0.00%         1.29%         0.01%           Laterist Tochologies Inc         LHX         0.04%         1.88%         0.00%         1.26%         0.01%           Laterist Tochologies Inc         HA         0.04%         0.55%         0.00%         1.64%         0.03%           Laterist Cort         PEAK         0.05%         5.78%         0.00%         6.83%         0.01%           Synchrony Financial         SYF         0.05%         4.21%         0.00%         7.75%         0.01%           Hershey CoTTne         HSY         0.08%         2.29%         0.01%         7.75%							
General Mils         GD         0.16%         2.98%         0.00%         4.58%         0.01%           General Mils         GN         0.05%         3.77%         0.00%         4.70%         0.00%           Genuine Parts Co         GPC         0.05%         3.22%         0.00%         4.70%         0.00%           WW Grainger Inc         GWW         0.06%         1.84%         0.00%         1.24%         0.01%           Hallburton Co         HAL         0.04%         1.84%         0.00%         2.10%         0.00%           L3Haris Technologies Inc         LHX         0.16%         0.73%         0.00%         4.10%         0.00%           L3Haris Technologies Inc         PEAK         0.65%         5.73%         0.00%         6.83%         0.01%           L3Haris Technologies Inc         FTV         0.89%         2.29%         0.00%         6.83%         0.01%           Synchrony Financial         SYF         0.05%         5.73%         0.00%         3.62%         0.00%           Hershey Ca/The         HSY         0.68%         2.23%         0.00%         7.65%         0.07%           Synchrony Financial         SYF         0.05%         5.78%         0.00%							
General Mills Inc         GIS         0.15%         3.72%         0.00%         5.87%         0.01%           Atmos Energy Corp         ATO         0.05%         2.22%         0.00%         7.44%         0.00%           MW Grainger Inc         GWW         0.06%         1.28%         0.00%         7.44%         0.01%           Hallbuton Co         HAL         0.04%         1.49%         0.00%         12.45%         0.01%           Harley-Davidson Inc         LHX         0.16%         1.73%         0.00%         4.10%         0.00%           L3Harris Technologies Inc         LHX         0.16%         1.73%         0.00%         4.10%         0.00%           Synchrony Financial         SYT         0.08%         0.45%         0.00%         6.83%         0.01%           Hormel Foods Corp         HRI         0.10%         1.89%         0.00%         3.89%         0.00%           Anthur G Sallagher & Co         ALG         0.07%         1.89%         0.00%         7.75%         0.01%           Mondelez International Inc         CNP         0.29%         2.17%         0.01%         7.25%         0.00%           Humana Inc         HUM         0.20%         2.23%         0.00% </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Genuine Parts Co         GPC         0.05%         3.22%         0.00%         4.70%         0.00%           Atmos Energy Corp         ATO         0.65%         1.28%         0.00%         4.74%         0.00%           WW Grainger Inc         GWW         0.06%         1.84%         0.00%         4.47%         0.01%           Hallburton Co         HAL         0.04%         1.84%         0.00%         2.10%         0.00%           Lahrans Technologies Inc         LPK         0.16%         5.73%         0.00%         1.64%         0.03%           Harthy-Davidson Inc         PEAK         0.65%         5.73%         0.00%         8.67%         0.01%           Hershey CoThe         FTV         0.08%         0.45%         0.00%         8.63%         0.01%           Synchrony Financia         SYF         0.05%         4.21%         0.00%         3.89%         0.00%           Arturi J Callagher & Co         AJG         0.07%         1.39%         0.00%         3.89%         0.00%           Mondelez International Inc         MDLZ         2.97%         0.00%         1.62%         0.00%           Mondelez International Inc         MDLZ         2.97%         0.00%         1.62%							
WW Grainger Inc         GWW         0.06%         1.88%         0.00%         9.47%         0.01%           Halliburton Co         HAL         0.04%         1.48%         0.00%         2.10%         0.00%           Latarits Technologies Inc         LHX         0.16%         1.73%         0.00%         2.10%         0.00%           Healthpeak Properties Inc         LHX         0.16%         1.73%         0.00%         4.10%         0.00%           Healthpeak Properties Inc         PEAK         0.05%         5.78%         0.00%         8.67%         0.01%           Hershey CorThe         HSY         0.08%         2.45%         0.00%         8.67%         0.01%           Synchrony Financial         SYF         0.05%         4.21%         0.00%         3.82%         0.00%           Artimur J Gallagher & Co         AJG         0.07%         1.80%         0.00%         7.75%         0.01%           Mondelez International Inc         MDL         0.29%         2.17%         0.01%         7.75%         0.02%           Willis Towers Watson PLC         WLTW         0.10%         1.38%         0.00%         1.58%         0.02%           Willinois Tool Works Inc         TTW         0.21%							
Hallburon Co         HAL         0.04%         1.49%         0.00%         12.95%         0.01%           L3Harisy Technologies Inc         LVX         0.16%         0.35%         0.00%         4.10%         0.00%           Healthpeak Properties Inc         PEAK         0.66%         5.78%         0.00%         4.10%         0.00%           Fortive Corp         FTV         0.08%         0.45%         0.00%         8.67%         0.01%           Synchrony Financial         SYF         0.05%         4.21%         0.00%         3.52%         0.00%           Hormel Foods Corp         HRL         0.10%         1.90%         0.00%         3.89%         0.00%           Arthur J Gallagher & Co         AJG         0.17%         1.90%         0.00%         7.75%         0.01%           Mondelze International Inc         MDLZ         0.29%         3.32%         0.00%         1.16%         0.02%           ConterPoint Energy Inc         CDV         0.04%         1.34%         0.00%         1.16%         0.02%           Uillis Towers Watson PLC         WILW         0.20%         1.35%         0.00%         1.16%         0.02%           Uillis Towers Watson PLC         TTW         0.21% <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Harley-Davidson Inc         HOG         0.01%         0.03%         2.10%         0.00%           Lathartis Technologies Inc         LHX         0.16%         1.73%         0.00%         4.10%         0.00%           Fortive Corp         FTV         0.08%         2.26%         0.00%         6.83%         0.01%           Synchrony Financial         SYF         0.05%         5.78%         0.00%         3.82%         0.00%           Arthur J Gallagher & Co         AJG         0.05%         2.26%         0.00%         3.82%         0.00%           Arthur J Gallagher & Co         AJG         0.07%         1.89%         0.00%         7.76%         0.01%           Mondelez International Inc         MDLZ         0.29%         2.17%         0.01%         7.76%         0.02%           Willis Towers Watson PLC         WLTW         0.10%         1.34%         0.00%         1.156%         0.02%           Willis Towers Watson PLC         WLTW         0.10%         1.34%         0.00%         1.31%         0.01%           Trans Technologies PLC         TT         0.08%         5.84%         0.00%         3.16%         0.00%           International Flavors & Fragrances Inc         IFF         0.05%							
L3Harins Technologies Inc         LHX         0.16%         1.73%         0.00%         16.64%         0.03%           Feathreak Properties Inc         PEAK         0.06%         5.76%         0.00%         8.67%         0.01%           Fortive Corp         FTV         0.08%         2.26%         0.00%         6.83%         0.01%           Synchrony Financial         SYF         0.05%         4.21%         0.00%         3.32%         0.00%           Hormel Foods Corp         HRL         0.10%         1.90%         0.00%         3.38%         0.00%           Anthur J Gallagher & Co         AJG         0.07%         1.90%         0.00%         7.75%         0.01%           Mondelze International Inc         MDLZ         0.29%         3.32%         0.00%         1.16.6%         0.02%           CenterPoint Energy Inc         CDW         0.02%         1.03%         3.32%         0.00%         1.16%         0.02%           Human Inc         HUM         0.20%         0.62%         0.00%         1.16%         0.02%           UNIDE Toers Watson PLC         WILV         0.10%         1.34%         0.00%         3.16%         0.01%           Trane Technologies PLC         TT         0.08%							
Fortwic Corp         FTV         0.08%         0.45%         0.00%         8.67%         0.01%           Hershey ColThe         HSY         0.08%         2.26%         0.00%         6.83%         0.01%           Synchrony Financial         SYF         0.05%         4.21%         0.00%         3.89%         0.00%           Hormel Foods Corp         AIG         0.07%         1.30%         0.00%         7.75%         0.02%           Mondelez International Inc         MDLZ         0.29%         3.23%         0.00%         7.75%         0.02%           CenterPoint Energy Inc         CNP         0.03%         3.32%         0.00%         1.16%         0.02%           Humana Inc         HUM         0.20%         0.62%         0.00%         1.16%         0.02%           Willis Towers Watson PLC         ITW         0.21%         2.44%         0.01%         5.27%         0.01%           Interational Flavors & Fragrances Inc         ITF         0.08%         2.33%         0.00%         1.16%         0.00%           Jacobs Engineering Group Inc         J         0.04%         0.89%         0.00%         7.25%         0.00%           Kellogg Co         K         0.09%         3.44%	L3Harris Technologies Inc						
Hersby Co <sup>The</sup> HSY         0.08%         2.28%         0.00%         6.83%         0.01%           Synchrony Financial         SYF         0.05%         4.21%         0.00%         -3.52%         0.00%           Arthur J Gallagher & Co         AJG         0.07%         1.90%         0.00%         7.76%         0.01%           Mondelez International Inc         MDLZ         0.29%         2.17%         0.01%         7.76%         0.02%           CenterPoint Energy Inc         CNP         0.03%         3.32%         0.00%         11.66%         0.02%           Humana Inc         WUTW         0.10%         1.34%         0.00%         11.56%         0.02%           Willis Towers Watson PLC         WLTW         0.10%         1.34%         0.00%         13.10%         0.01%           Illinois Tool Works Inc         ITW         0.21%         2.49%         0.01%         5.27%         0.01%           Interpublic Group of Cos Inc/The         IPG         0.03%         5.84%         0.00%         1.16%         0.00%           Interpublic Group of Cos Inc/The         IPG         0.03%         5.84%         0.00%         7.30%         0.00%           Interpublic Group for Cos Inc/The         J							
Synchrony Financial         SYF         0.05%         4.21%         0.00%         -3.52%         0.00%           Hormel Foods Corp         HRL         0.10%         1.89%         0.00%         3.89%         0.00%           Arthur J Gallagher & Co         AJG         0.07%         1.90%         0.00%         7.76%         0.01%           Mondelez International Inc         CNP         0.03%         3.32%         0.00%         1.62%         0.00%           CenterPoint Energy Inc         CNP         0.03%         3.32%         0.00%         1.163%         0.02%           Willis Towers Watson PLC         WLTW         0.21%         2.49%         0.01%         5.27%         0.01%           Ultios Tool Works Inc         ITW         0.21%         2.49%         0.01%         5.27%         0.01%           CDW Corp/DE         CDW         0.06%         1.35%         0.00%         1.10%         0.00%           International Flavors & Fragrances Inc         IFF         0.05%         2.27%         0.00%         1.60%         0.00%         1.60%         0.00%         1.80%         0.00%         1.60%         0.44%         0.00%         1.60%         0.00%         1.60%         0.00%         1.60%         0.00%							
Arthur J Gallagher & Co         AJG         0.07%         1.90%         0.00%         7.76%         0.01%           Mondelez International Inc         MDLZ         0.29%         2.17%         0.01%         7.75%         0.02%           CenterPoint Energy Inc         CNP         0.03%         3.32%         0.00%         11.65%         0.02%           Human Inc         HUM         0.20%         0.62%         0.00%         11.56%         0.02%           Willis Tovers Watson PLC         WLTW         0.10%         1.34%         0.00%         13.10%         0.01%           Edinois Tool Works Inc         ITW         0.21%         2.49%         0.00%         3.16%         0.00%           CDW Corp/DE         CDW         0.06%         1.35%         0.00%         3.16%         0.00%           Interpublic Group of Cos Inc/The         IPG         0.03%         5.84%         0.00%         7.30%         0.00%           Jacobs Engineering Group Inc         J         0.44%         0.89%         0.00%         7.25%         0.00%           Hanesbrands Inc         HBI         0.01%         5.83%         0.00%         2.44%         0.00%           Kellogy Co         K         0.09%         1.42% <td>Synchrony Financial</td> <td></td> <td>0.05%</td> <td>4.21%</td> <td></td> <td>-3.52%</td> <td></td>	Synchrony Financial		0.05%	4.21%		-3.52%	
Mondelez International Inc         MDIZ         0.9%         2.17%         0.01%         7.75%         0.02%           CenterPoint Energy Inc         CNP         0.03%         3.32%         0.00%         11.55%         0.02%           Willis Towers Watson PLC         WLTW         0.10%         1.34%         0.00%         11.156%         0.02%           Willis Towers Watson PLC         WLTW         0.21%         2.49%         0.01%         5.27%         0.01%           CDW Corp/DE         CDW         0.66%         1.35%         0.00%         13.10%         0.01%           Interpublic Group of Cos Inc/The         IPG         0.03%         5.84%         0.00%         7.30%         0.00%           Interpublic Group of Cos Inc/The         IPG         0.03%         5.84%         0.00%         7.35%         0.00%           Interpublic Group of Cos Inc/The         IPF         0.05%         2.27%         0.00%         7.35%         0.00%           Jacobs Engineering Group Inc         J         0.04%         0.89%         0.00%         7.25%         0.00%           Keilog Co         K         0.09%         3.44%         0.00%         2.48%         0.00%           Keilog Co         K         0.09%							
CenterPoint Energy Inc         CNP         0.03%         3.32%         0.00%         -1.62%         0.00%           Human Inc         HUM         0.20%         0.62%         0.00%         11.56%         0.02%           Wills Towers Watson PLC         WLTW         0.10%         1.34%         0.00%         10.00%         0.01%           Ulinios Tool Works Inc         ITW         0.21%         2.49%         0.01%         5.27%         0.01%           CDW Corp/DE         CDW         0.06%         1.35%         0.00%         13.10%         0.01%           Interrational Flavors & Fragrances Inc         IFG         0.05%         2.27%         0.00%         7.30%         0.00%           Hanesbrands Inc         HBI         0.01%         5.83%         0.00%         7.25%         0.00%           Relegg Co         K         0.09%         3.44%         0.00%         2.42%         0.00%           Perigo Co         K         0.09%         3.44%         0.00%         2.43%         0.00%           Kellogg Co         K         0.09%         3.44%         0.00%         2.64%         0.00%           Kellog Co         KMB         0.19%         3.01%         0.01%         4.36% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Willis Towers Watson PLC         WLTW         0.10%         1.34%         0.00%         10.00%         0.01%           Illinois Tool Works Inc         ITW         0.21%         2.49%         0.01%         5.27%         0.01%           CDW Corp/DE         CDW         0.06%         1.35%         0.00%         3.16%         0.00%           Interpublic Group of Cos Inc/The         IPG         0.03%         5.84%         0.00%         7.30%         0.00%           Interpublic Group of Cos Inc/The         IPG         0.03%         5.84%         0.00%         7.25%         0.00%           Jacobs Engineering Group Inc         J         0.04%         0.89%         0.00%         7.25%         0.00%           Hanesbrands Inc         HBI         0.01%         5.83%         0.00%         2.48%         0.00%           Broadridge Financial Solutions Inc         BR         0.05%         1.77%         0.00%         6.50%         0.01%           Kimberly-Clark Corp         KIMB         0.19%         3.01%         0.01%         4.36%         0.01%           Konger Co/The         KR         0.00%         1.62%         0.00%         5.25%         0.01%           Leggett & Platt Inc         LES         0.01%				3.32%			
Illinois Tool Works Inc         ITW         0.21%         2.49%         0.01%         5.27%         0.01%           CDW         CDW         0.06%         1.35%         0.00%         13.10%         0.01%           CDW         CDW         0.06%         1.35%         0.00%         13.10%         0.01%           CDW         CDW         0.06%         1.35%         0.00%         1.10%         0.01%           Interpublic Group of Cos Inc/The         IPG         0.03%         5.84%         0.00%         7.30%         0.00%           Jacobs Engineering Group Inc         J         0.04%         0.89%         0.00%         7.30%         0.00%           Hanesbrands Inc         HBI         0.01%         5.83%         0.00%         0.84%         0.00%           Kelogg Co         K         0.09%         3.44%         0.00%         2.48%         0.00%           Perigo Co PLC         PRGO         0.03%         1.62%         0.00%         2.00%         0.00%           Kimco Realty Corp         KIM         0.02%         n/a         n/a         4.10%         0.00%           Kimco Realty Corp         KIM         0.02%         n/a         n/a         4.33%         0.00% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
CDW corp/DE         CDW         0.06%         1.35%         0.00%         13.10%         0.01%           Trane Technologies PLC         TT         0.08%         2.33%         0.00%         3.16%         0.00%           Interpublic Group of Cos Inc/The         IPG         0.03%         5.84%         0.00%         7.30%         0.00%           Interpublic Group of Cos Inc/The         IPG         0.04%         0.89%         0.00%         7.30%         0.00%           Jacobs Engineering Group Inc         J         0.04%         0.89%         0.00%         7.25%         0.00%           Hanesbrands Inc         HBI         0.01%         5.83%         0.00%         2.48%         0.00%           Broadridge Financial Solutions Inc         BR         0.05%         1.77%         0.00%         2.00%         0.00%           Kimco Realty Corp         KIM         0.02%         n/a         n/a         4.36%         0.01%           Kimco Realty Corp         KIM         0.02%         n/a         n/a         4.83%         0.00%           Kroger Cor/The         KR         0.10%         1.80%         0.01%         1.37%         0.01%           Leggett & Platt Inc         LEG         0.00%         5.							
Interpublic Group of Cos Inc/The         IPG         0.03%         5.84%         0.00%         0.19%         0.00%           International Flavors & Fragrances Inc         IFF         0.05%         2.27%         0.00%         7.30%         0.00%           Jacobs Engineering Group Inc         J         0.04%         0.89%         0.00%         7.25%         0.00%           Hanesbrands Inc         HBI         0.01%         5.83%         0.00%         2.48%         0.00%           Kellogg Co         K         0.09%         3.44%         0.00%         2.48%         0.00%           Broadridge Financial Solutions Inc         BR         0.05%         1.77%         0.00%         2.00%         0.00%           Kimco Realty Corp         KIM         0.02%         n/a         n/a         4.10%         0.00%           Kimco Realty Corp         KIM         0.28         0.01%         n/a         4.36%         0.00%           Cracle Corp         ORCL         0.64%         1.80%         0.01%         1.03%         0.07%           Kroger Co/The         KR         0.10%         5.03%         0.00%         7.4         n/a           Leggett & Platt Inc         LEG         0.00%         5.03%	CDW Corp/DE	CDW	0.06%	1.35%	0.00%	13.10%	0.01%
International Flavors & Fragrances Inc         IFF         0.05%         2.27%         0.00%         7.30%         0.00%           Jacobs Engineering Group Inc         J         0.04%         0.89%         0.00%         7.25%         0.00%           Hanesbrands Inc         HBI         0.01%         5.83%         0.00%         2.48%         0.00%           Broadridge Financial Solutions Inc         BR         0.05%         1.77%         0.00%         6.50%         0.00%           Perrigo Co PLC         PRGO         0.03%         1.62%         0.00%         2.48%         0.00%           Kimco Realty Corp         KIMB         0.19%         3.01%         0.01%         4.36%         0.01%           Korics Corp         KIM         0.02%         n/a         n/a         4.83%         0.00%           Corp Corp         KIM         0.02%         n/a         n/a         4.83%         0.00%           Kroger CorThe         KR         0.10%         1.80%         0.01%         1.33%         0.07%           Leggett & Platt Inc         LEG         0.00%         5.03%         0.00%         n/a         n/a           Lenards Inc         LB         0.02%         n/a         n/a							
Jacobs Engineering Group Inc         J         0.04%         0.89%         0.00%         7.25%         0.00%           Hanesbrands Inc         HBI         0.01%         5.83%         0.00%         0.84%         0.00%           Kellogg Co         K         0.09%         3.44%         0.00%         6.50%         0.00%           Broadridge Financial Solutions Inc         BR         0.05%         1.77%         0.00%         6.50%         0.00%           Kimberly-Clark Corp         KMB         0.19%         3.01%         0.01%         4.36%         0.01%           Kimberly-Clark Corp         KIM         0.02%         n/a         n/a         4.10%         0.00%           Kohl's Corp         KIM         0.02%         n/a         n/a         4.33%         0.00%           Oracle Corp         ORCL         0.64%         1.80%         0.01%         10.33%         0.07%           Kope Co/The         KR         0.10%         1.96%         0.00%         8.60%         0.01%           Leggett & Plath Inc         LEG         0.00%         5.03%         0.00%         8.60%         0.01%           Lincol National Corp         LB         0.02%         n/a         n/a         11.50							
Kellogg Co         K         0.09%         3.44%         0.00%         2.48%         0.00%           Broadridge Financial Solutions Inc         BR         0.05%         1.77%         0.00%         6.50%         0.00%           Perrigo Co PLC         PRGO         0.03%         1.62%         0.00%         4.36%         0.01%           Kimberly-Clark Corp         KIMB         0.19%         3.01%         0.01%         4.36%         0.01%           Kimco Realty Corp         KIM         0.02%         n/a         n/a         4.10%         0.00%           Kohl's Corp         KIM         0.02%         n/a         n/a         4.83%         0.00%           Voger Co/The         KS         0.01%         1.80%         0.01%         10.33%         0.07%           Leggett & Platt Inc         LEG         0.00%         5.03%         0.00%         n/a         n/a         n/a           Lenard Corp         LEN         0.66%         1.93%         0.01%         13.97%         0.08%           Leggett & Platt Inc         LB         0.02%         n/a         n/a         11.50%         0.08%           Lengtt String         LEN         0.66%         1.93%         0.01%         1	Jacobs Engineering Group Inc					7.25%	
Broadridge Financial Solutions Inc         BR         0.05%         1.77%         0.00%         6.50%         0.00%           Perrigo Co PLC         PRGO         0.03%         1.62%         0.00%         2.00%         0.00%           Kimberly-Clark Corp         KMB         0.19%         3.01%         0.01%         4.36%         0.01%           Kimberly-Clark Corp         KIM         0.02%         n/a         n/a         4.36%         0.00%           Koh's Corp         KIM         0.02%         n/a         n/a         4.83%         0.00%           Cracle Corp         KSS         0.01%         1.96%         0.00%         5.25%         0.01%           Leggett & Platt Inc         LEG         0.00%         5.03%         0.00%         n/a         n/a           Lennar Corp         LB         0.06%         1.93%         0.01%         13.97%         0.08%           Libil Jand Co         LB         0.02%         n/a         n/a         11.50%         0.00%           Charter Communications Inc         LB         0.03%         4.12%         0.00%         9.00%         0.00%           Lowe's Cos Inc         LOW         0.37%         1.70%         0.01%         16.45%							
Perrigo Čo PLC         PRGO         0.03%         1.62%         0.00%         2.00%         0.00%           Kimberly-Clark Corp         KMB         0.19%         3.01%         0.01%         4.36%         0.01%           Kimco Realty Corp         KIM         0.02%         n/a         n/a         4.10%         0.00%           Kimco Realty Corp         KIM         0.02%         n/a         n/a         4.83%         0.00%           Oracle Corp         ORCL         0.64%         1.80%         0.01%         10.33%         0.07%           Kroger Co/The         KR         0.10%         1.96%         0.00%         5.25%         0.01%           Leggett & Platt Inc         LEG         0.00%         5.03%         0.00%         n/a         n/a           Lennar Corp         LEN         0.06%         0.83%         0.00%         8.60%         0.01%           El lailly and Co         LLY         0.56%         1.93%         0.01%         13.97%         0.08%           Lincoln National Corp         LB         0.02%         n/a         n/a         14.50%         0.09%           Lincoln National Corp         LNC         0.33%         4.12%         0.00%         0.09%							
Kimco Realty Corp         KIM         0.02%         n/a         n/a         4.10%         0.00%           Koh's Corp         KSS         0.01%         n/a         n/a         4.83%         0.00%           Oracle Corp         ORCL         0.64%         1.80%         0.01%         n/a         4.83%         0.00%           Kroger Co/The         KR         0.10%         1.96%         0.00%         5.25%         0.01%           Leggett & Platt Inc         LEG         0.00%         5.03%         0.00%         n/a         n/a           Lennar Corp         LEN         0.66%         0.83%         0.00%         8.60%         0.01%           Eli Lilly and Co         LLY         0.56%         1.93%         0.01%         13.97%         0.08%           Charter Communications Inc         LB         0.02%         n/a         n/a         42.88%         0.19%           Lincoln National Corp         LNC         0.03%         4.12%         0.00%         9.00%         0.00%           Lowe's Cos Inc         LOW         0.37%         1.70%         0.01%         16.45%         0.06%           Vest Holdings Corp         XRX         0.01%         5.92%         0.00%         -2		PRGO		1.62%			
Koh's Corp         KSS         0.01%         n/a         n/a         4.83%         0.00%           Oracle Corp         ORCL         0.84%         1.80%         0.01%         10.33%         0.07%           Kroger CoThe         KR         0.10%         1.96%         0.00%         5.25%         0.01%           Leggett & Platt Inc         LEG         0.00%         5.03%         0.00%         n/a         n/a           Lennar Corp         LEN         0.06%         0.83%         0.00%         8.60%         0.01%           Eli Lilly and Co         LB         0.02%         n/a         n/a         1.97%         0.00%           Charter Communications Inc         CHTR         0.43%         n/a         n/a         11.50%         0.00%           Lincoln National Corp         LNC         0.03%         4.12%         0.00%         0.00%         1.97%           Lowe's Cos Inc         LOW         0.03%         1.70%         0.00%         n/a         n/a           Lowe's Cos Inc         LOW         0.37%         1.70%         0.00%         0.23%         0.00%           Verst Holdings Corp         XRX         0.01%         5.92%         0.00%         0.50%         0.00% </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Oracle Cop         ORCL         0.64%         1.80%         0.01%         10.33%         0.07%           Kroger Co/The         KR         0.10%         1.96%         0.00%         5.25%         0.01%           Leggett & Platt Inc         LEG         0.00%         5.03%         0.00%         na         na           Lennar Corp         LEN         0.06%         0.83%         0.00%         8.60%         0.01%           Eli Lilly and Co         LLY         0.56%         1.93%         0.01%         13.97%         0.08%           Larands Inc         LB         0.02%         n/a         n/a         11.50%         0.00%           Lincoln National Corp         LNC         0.33%         4.12%         0.00%         9.00%         0.00%           Lowes Corp         L         0.00%         0.74%         0.00%         n/a         n/a           Lowe's Cos Inc         LOW         0.37%         1.70%         0.00%         0.60%         0.00%           Vest Holdings Corp         XRX         0.01%         5.92%         0.00%         0.50%         0.00%           IDEX Corp         IEX         0.05%         1.27%         0.00%         1.33%         0.01%							
Leggett & Platt Inc         LEG         0.00%         5.03%         0.00%         n/a         n/a           Lennar Corp         LEN         0.06%         0.83%         0.00%         8.60%         0.01%           Eli Lilly and Co         LLY         0.56%         1.93%         0.01%         13.97%         0.08%           L Brands Inc         LB         0.02%         n/a         n/a         11.50%         0.00%           Charter Communications Inc         CHTR         0.43%         n/a         n/a         42.98%         0.19%           Lincoln National Corp         LNC         0.03%         4.12%         0.00%         n/a         n/a           Lowe's Cos Inc         LOW         0.37%         1.70%         0.00%         n/a         n/a           Lowe's Corp         LST         0.03%         6.48%         0.00%         n/a         n/a           Lowe's Corp         KXX         0.01%         5.92%         0.00%         0.00%         0.00%           Lowe's Corp         IXX         0.01%         5.92%         0.00%         0.50%         0.00%           JDEX Corp         IEX         0.05%         1.27%         0.00%         1.33%         0.01%  <	Oracle Corp	ORCL	0.64%	1.80%	0.01%	10.33%	0.07%
Lennar Corp         LEN         0.06%         0.83%         0.00%         8.60%         0.01%           Eli Lilly and Co         LLY         0.56%         1.93%         0.01%         13.97%         0.08%           L Brands Inc         LB         0.02%         n/a         n/a         11.50%         0.00%           Charter Communications Inc         LB         0.02%         n/a         n/a         42.98%         0.19%           Lincoln National Corp         LNC         0.03%         4.12%         0.00%         9.00%         0.00%           Lowe's Cos Inc         L         0.00%         0.74%         0.00%         n/a         n/a           Host Hotels & Resorts Inc         LST         0.03%         6.48%         0.00%         -2.30%         0.00%           IDEX Corp         IEX         0.05%         1.27%         0.00%         0.50%         0.00%           IDEX Corp         IEX         0.05%         1.27%         0.00%         9.60%         0.02%							
Eli Lilly and Co         LLY         0.56%         1.93%         0.01%         13.97%         0.08%           L Brands Inc         LB         0.02%         n/a         n/a         11.50%         0.00%           Charter Communications Inc         CHTR         0.43%         n/a         n/a         42.88%         0.19%           Lincoln National Corp         LNC         0.03%         4.12%         0.00%         9.00%         0.00%           Lowe's Cos Inc         L         0.00%         0.74%         0.00%         n/a         n/a           Lowe's Cos Inc         LOW         0.37%         1.70%         0.01%         16.45%         0.06%           Most Hotels & Resorts Inc         HST         0.03%         6.48%         0.00%         -2.30%         0.00%           IDEX Corp         IEX         0.05%         1.27%         0.00%         0.50%         0.00%           Marsh & McLennan Cos Inc         MMC         0.21%         1.70%         0.00%         9.60%         0.02%							
L Brands Inc         LB         0.02%         n/a         n/a         11.50%         0.00%           Charter Communications Inc         CHTR         0.43%         n/a         n/a         42.98%         0.19%           Lincoln National Corp         LNC         0.03%         4.12%         0.00%         n/a         n/a         42.98%         0.19%           Lowers Corp         L         0.00%         0.74%         0.00%         n/a         n/a           Lowers Cos Inc         LOW         0.37%         1.70%         0.01%         16.45%         0.06%           Host Hotels & Resorts Inc         HST         0.03%         6.46%         0.00%         -2.30%         0.00%           IDEX Corp         IRX         0.01%         5.92%         0.00%         0.50%         0.00%           IDEX Corp         IEX         0.05%         1.27%         0.00%         11.33%         0.01%							
Lincoln National Corp         LNC         0.03%         4.12%         0.00%         9.00%         0.00%           Loews Corp         L         0.00%         0.74%         0.00%         n/a         n/a           Lowe's Cos Inc         LOW         0.37%         1.70%         0.01%         16.45%         0.06%           Host Hotels & Resorts Inc         HST         0.03%         6.48%         0.00%         -2.30%         0.00%           Xerox Holdings Corp         XRX         0.01%         5.92%         0.00%         0.50%         0.00%           IDEX Corp         IEX         0.05%         1.27%         0.00%         9.60%         0.02%							
Loews Corp         L         0.00%         0.74%         0.00%         n/a         n/a           Lowe's Cos Inc         LOW         0.37%         1.70%         0.01%         16.45%         0.06%           Host Hotels & Resorts Inc         HST         0.03%         6.46%         0.00%         -2.30%         0.00%           Xerox Holdings Corp         XRX         0.01%         5.92%         0.00%         0.50%         0.00%           IDEX Corp         IEX         0.05%         1.27%         0.00%         11.33%         0.01%           Marsh & McLennan Cos Inc         MMC         0.21%         1.70%         0.00%         9.60%         0.02%							
Lowe's Cos Inc         LOW         0.37%         1.70%         0.01%         16.45%         0.06%           Host Hotels & Resorts Inc         HST         0.03%         6.48%         0.00%         -2.30%         0.00%           Xerox Holdings Corp         XRX         0.01%         5.92%         0.00%         0.50%         0.00%           IDEX Corp         IEX         0.05%         1.27%         0.00%         11.33%         0.01%           Marsh & McLennan Cos Inc         MMC         0.21%         1.70%         0.00%         9.60%         0.02%							
Xerox Holdings Corp         XRX         0.01%         5.92%         0.00%         0.50%         0.00%           IDEX Corp         IEX         0.05%         1.27%         0.00%         11.33%         0.01%           Marsh & McLennan Cos Inc         MMC         0.21%         1.70%         0.00%         9.60%         0.02%	Lowe's Cos Inc	LOW	0.37%	1.70%	0.01%	16.45%	0.06%
IDEX Corp         IEX         0.05%         1.27%         0.00%         11.33%         0.01%           Marsh & McLennan Cos Inc         MMC         0.21%         1.70%         0.00%         9.60%         0.02%							
Marsh & McLennan Cos Inc         MMC         0.21%         1.70%         0.00%         9.60%         0.02%							
Masco Lorp MAS 0.05% 1.16% 0.00% 9.56% 0.00%	Marsh & McLennan Cos Inc	MMC	0.21%	1.70%	0.00%	9.60%	0.02%
	masco Corp	MAS	0.05%	1.16%	0.00%	9.56%	0.00%

Name         Tisker         Weight instruction         Estimate Cap-Weight Logit model         Construction         Construction         Construction         Construction           SSP Clobal inc         SSPC         0.07%         <		01110110110	[14]	[15]	[16]	[17]	[18]
Name         Totac         Notes         Divident Yand         DividentYand         Divident Yand         Div				[15]			Cap-Weighted
Method:         MCT         0.55%         2.28%         0.01%         5.80%         0.02%           Moon Technology Inc         MU         0.20%         2.76         0.16         0.25%         0.01%           Moon Technology Inc         MU         0.20%         1.87%         0.00%         0.85%         0.01%           Moon Technology Inc         MU         0.20%         1.87%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.23%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.0	Name	Ticker					Long-Term Growth Est.
CVS Headh Corp         CVS         0.33%         3.04%         0.01%         7.38%         0.02%           Debred te Nemons Inic         DO         0.04%         2.65%         0.00%         6.26%<	S&P Global Inc	SPGI	0.30%	0.81%	0.00%	8.90%	0.03%
Dubbes de numeras nec         DD         0.14%         2.38%         0.00%         1.98%         0.00%           Macente Schulden, ine         0.00         0.04%         1.33%         0.00%         5.30%         0.00%           Macente Schulden, ine         0.00         0.04%         1.33%         0.00%         5.30%         0.00%           Macente Schulden, ine         0.00         0.04%         1.63%         0.00%         1.25%         0.00%           Laborator, Org of America Induiting         LH         0.07%         n.a         n.a         4.86%         0.00%         1.25%         0.00%           Nickie Schulten         NIC         0.04%         1.63%         0.00%         4.25%         0.00%           Nickie Schulten         NIC         0.04%         2.46%         0.00%         4.25%         0.00%           Nickie Schulten         NIC         0.04%         3.27%         0.00%         0.25%         0.00%							
Micen Technology Inc         MU         0.20%         Init M         No.         6.55%         0.15%           Moran Salutions         MC         0.04%         1.57%         0.00%         1.55%         0.01%           Marin Windows         MC         0.04%         1.67%         0.00%         1.27%         0.00%           Marin Windows         MC         0.44%         0.18%         0.00%         1.27%         0.00%           Mean Core         NBL         0.18%         0.00%         0.46%         0.00%           Network         0.18%         0.00%         0.46%         0.00%         0.66%         0.00%           Network         0.00%         0.00%         0.26%         0.00%         Network         0.00%         0.26%         0.00%           Network         0.00%         0.27%         0.00%         0.26%         0.00%         Network         0.00%         0.20%         0.00%         Network         0.00%         0.20%         0.00%         Network         0.00%         0.20%         0.00%         Network         0.00%         0.20%         0.00%         0.20%         0.00%         Network         0.00%         0.20%         0.00%         0.00%         0.00%         0.							
Materia Solution:         Materia Solution:         No.         0.09%         8.85%         0.00%         8.85%         0.00%         8.83%         0.00%           Cone Global Matter in Cone         CADE         0.04%         1.38%         0.00%         8.23%         0.00%         8.23%         0.00%           Laboratory Corp of America Holdings         LH         0.04%         1.04%         1.06%         0.06%         0.00%         1.1         1.20%         0.06%         0.00%         1.1         0.06%							
Mylan NV         MVL         0.04%         r/n         n         n         1.73%         0.00%           List control: Cop of America Hodings         Lit         0.04%         1.96%         0.00%         0.01%         0.00%           Need: no         NE         0.44%         3.45%         0.00%         0.05%         0.00%         0.05%         0.00%         0.05%         0.00%         0.05%         0.00%         0.05%         0.00%         0.05%         0.00%         0.05%         0.00%         0.05%         0.00%         0.05%         0.00%         0.05%         0.00%         0.05%         0.00%							
Láboradry Cop of America Holdings Láboradry Cop of America Holdings NEC Inc Net Inc Ne							
Neuman Corp         NNM         0.18%         1.66%         0.00%         12.75%         0.02%           NNEE         NNE         0.14%         0.26%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.25%         0.00%         0.26%         0.00%         0.26%         0.00%         0.26%         0.00%         0.26%         0.00%         0.26%         0.00%         0.26%         0.00%         0.26%         0.00%         0	5						
NINE Inc         NNE         0.47%         0.86%         0.00%         11.12%         0.05%           NIGRIDAR Solution of Orugi Inc         NIG         0.1864         2.10%         0.00%         5.83%         0.00%           Nordia Solution of Orugi Inc         NIG         0.11%         2.64%         0.00%         5.83%         0.01%           Nordia Guardia Orugi Inc         NIC         0.21%         7.34%         0.00%         6.84%         0.01%           Nordia Guardia Orugi Inc         NIC         0.21%         7.34%         0.00%         6.84%         0.01%           Nordia Guardia Orugi Inc         NIC         0.21%         7.34%         0.00%         0.26%         0.00%							
Nordik Schlam Corp         Nordik Schlam Corp         Nordik Schlam Corp         Schlam Corp         PFG         O.10%         Schlam Corp         O.11%         Schlam Corp         O.01%         Nord Corp         O.01%         PAT         O.01%         Schlam Corp         O.01%         Nord Corp         O.01%         PAT         Nord Corp         PVH         O.01%         PAT         Nord Corp         PVH         O.01%							
Principal Financial Corup Inc         PFG         0.04%         5.64%         0.00%         6.84%         0.01%           Norting Gumman Corp         NDC         0.21%         1.73%         0.00%         8.64%         0.04%           Norting Gumman Corp         NDC         0.21%         1.73%         0.00%         8.24%         0.00%           Nording Grap Inc         DDK         0.05%         3.27%         0.00%         8.24%         0.00%           PVH Corp         PVH         0.01%         n.a         n.a         2.20%         0.00%           Corcidental Petroleum Corp         DVK         0.05%         4.47%         0.00%         3.24%         0.00%           Parker-Handin Corp         PVH         0.05%         0.29%         0.00%         3.24%         0.00%           Parker-Handin Corp         PVH         0.05%         5.20%         0.00%         6.49%         0.00%           Princico Inc         PDC         0.06%         1.22%         0.00%         6.49%         0.00%           Princico Inc         PDF         0.09%         1.40%         0.00%         6.49%         0.00%           Princico Inc         PDF         0.09%         1.41%         0.00%							
Evensures Energy         ES         0.11%         2.64%         0.00%         6.4%         0.01%           Wells Fago & Co         WPC         0.21%         7.34%         0.00%         6.44%         0.01%           Wells Fago & Co         WPC         0.21%         7.34%         0.00%         6.20%         0.00%           Constant Pertoleum Corp         DVY         0.05%         0.29%         0.00%         0.20%         0.00%           Constant Pertoleum Corp         DVY         0.05%         0.29%         0.00%         0.20%         0.00%           Constant Pertoleum Corp         DVY         0.05%         0.22%         0.00%         0.35%         0.00%           Check Core & Rep         0.06%         0.25%         0.00%         0.35%         0.00%           Repront Jamine Corp mode         PPL         0.06%         0.75%         0.00%         0.37%         0.00%           Relinsting Torp         PPL         0.06%         0.75%         0.00%         0.37%         0.00%           Relinsting Torp         PPL         0.06%         0.35%         0.00%         0.37%         0.00%           Relinsting Torp         PPL         0.05%         0.45%         0.07%         0.44% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Northup Grunnmän Cop         NOC         0.21%         1.73%         0.00%         8.84%         0.04%           Nacci Cop         NUC         0.42%         7.74%         0.00%         5.25%         0.00%           Nacci Cop         NUC         0.85%         3.77%         0.00%         5.26%         0.00%           Occidenti Pretovant Cop         DVY         0.05%         4.67%         0.00%         5.36%         0.00%           Omicon Group Inc         ONC         0.05%         4.67%         0.00%         3.37%         0.00%           Relma Inc         CDP         0.04%         2.05%         0.00%         3.37%         0.00%           Relma Inc         RDC         0.00%         0.75%         0.00%         1.47%         0.00%           PDE Copp         PPL         0.08%         5.80%         0.00%         1.47%         0.00%           PDE Copp         PPL         0.08%         5.80%         0.00%         1.47%         0.00%           PDE Copp         PPL         0.08%         5.80%         0.00%         1.47%         0.00%           PDE Copp         PPR         0.08%         5.80%         0.00%         5.84%         0.00%							
Weils Farging & Co         WFC         0.4%         7.54%         0.03%         9.4.1%         0.04%           PVH Corp         PVH Corp <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
PVH Cop_         PVH         0.1%         na	Wells Fargo & Co						
Occidemil Petroleum Corp         OXY         0.05%         1.24%         0.00%         1.24%         0.01%         0.01%           ORICON Inc         ORC         0.05%         0.24%         0.01%         0.01%         0.01%           ORICON Inc         ORC         0.05%         0.04%         0.01%         0.01%         0.01%         0.01%           Rolls Inth Corp         PRU         0.04%         0.75%         0.00%         0.37%         0.00%           Rolls Inth Corp         PPL         0.04%         1.74%         0.00%         0.37%         0.00%           Concord-Phillips         OPD         0.05%         3.85%         0.00%         4.47%         0.00%           Concord-Phillips         OPD         0.05%         3.47%         0.00%         4.47%         0.00%           Prinated Ward Capital Corp         PPM         0.03%         4.17%         0.00%         0.44%         0.00%         0.01%           Prinated Ward Capital Corp         PPGR         0.15%         0.25%         0.44%         0.00%         0.44%         0.00%         0.00%         0.44%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00							
Omnicos Grupp Inc         ONC         0.05%         4.47%         0.00%         0.09%         0.00%           Raymond James Financial Inc         RJF         0.64%         2.05%         0.01%         6.38%         0.00%           Raymond James Financial Inc         RJF         0.64%         2.05%         0.00%         nin           Raymond James Financial Inc         RJF         0.64%         2.05%         0.00%         nin           Rollina Inc         COP         0.00%         5.66%         0.00%         nin         nin           PHL         0.04%         5.66%         0.00%         4.06%         0.00%         4.06%         0.00%           PHL         0.04%         1.40%         0.00%         4.06%         0.00%         4.06%         0.00%         4.06%         0.00%         4.06%         0.00%         4.06%         0.00%         4.06%         0.00%         4.00%         0.00%         4.00%         0.00%         4.00%         0.00%         4.00%         0.00%         4.00%         0.00%         4.00%         0.00%         4.00%         0.00%         4.00%         0.00%         4.00%         0.00%         4.00%         0.00%         5.66%         0.00%         4.00%         0.00% </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
OHEOK Inc         OKE         0.06%         9.88%         0.01%         5.38%         0.00%           Parket-Instantin Cop         PH         0.04%         1.32%         0.00%         3.50%         0.00%           Parket-Instantin Cop         PH         0.05%         1.32%         0.00%         3.60%         0.00							
Raymond Jumes Financial Inc         RJF         0.04%         2.08%         0.00%         9.49%         0.01%           Rollins Inc         ROL         0.05%         0.75%         0.00%         0.75%         0.00%         0.75%         0.00%         0.75%         0.00%         0.75%         0.00%         0.75%         0.00%         0.33         nu           Prile Corport         PPD         0.05%         5.02%         0.00%         4.03%         0.00%           Prile Group Inc         PPM         0.04%         1.44%         0.00%         4.00%         0.00%           PPG Industries Inc         PPG         0.05%         4.00%         0.00%         1.76%         0.00%           PPG Industries Inc         PPG         0.05%         4.02%         0.00%         4.02%         0.00%           PPG Industries Inc         PPG Industries Inc         PGR         0.15%         0.05%         4.02%         0.00%           Edison International         EEX         0.05%         2.05%         0.05%         0.05%         0.05%         0.05%         0.05%         0.05%         0.05%         0.05%         0.05%         0.05%         0.05%         0.05%         0.05%         0.05%         0.05%         0.0							
Relins inc         POL         0.00%         0.75%         0.00%         -0.37%         0.00%         -0.37%           Concol-Philips         COP         0.00%         3.86%         0.00%         -0.37%         0.00%           Concol-Philips         COP         0.00%         3.86%         0.00%         6.46%         0.00%           Plandstrug in chails         COP         0.00%         1.40%         0.00%         6.46%         0.00%           PNG Financial Services Coup Inc         PPG         0.09%         1.76%         0.00%         4.00%         0.00%         7.64%         0.00%         7.64%         0.00%         4.00%         0.00%         7.64	Raymond James Financial Inc	RJF	0.04%	2.08%	0.00%	3.50%	0.00%
PFL Corp         O.08%         5.80%         0.00%         v.0.3%         0.00%           PublicStroup inor         PHM         0.04%         1.40%         0.00%         6.49%         0.00%           Princale Wast Captal Corp         PNM         0.04%         1.40%         0.00%         6.49%         0.00%           PPG Industries inc         PPG Industries inc         0.00%         6.49%         0.00%         6.49%         0.00%           PPG Statustries inc         PPG Industries inc         0.00%         0.25%         0.00%         0.00%           Public Starvice Enterprise Group inc         PEG Industries inc         0.00%         4.25%         0.00%         6.25%         0.00%           Edison International         EEX         0.09%         2.28%         0.00%         8.26%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%         5.25%         0.00%							
Conceptinging         COP         0.00%         3.86%         0.00%         6.49%         0.00%           Prinder Weat Capital Corp         PNW         0.03%         4.01%         0.00%         4.90%         0.00%           PPC Financial Services Group InorThe         PPC         0.08%         1.98%         0.00%         4.90%         0.00%           PPG Industries Inc         PPG         0.08%         1.98%         0.00%         4.40%         0.00%           PPG Industries Incernities Group Inc         PPG         0.08%         1.98%         0.00%         4.44%         0.00%           Robert Haff International Inc         RH         0.02%         2.61%         0.00%         4.54%         0.00%           Schumberger Lid         SLB         1.10%         2.28%         0.00%         8.65%         0.02%           Schumberger Lid         SLB         1.10%         2.28%         0.00%         8.65%         0.02%           Schumberger Lid         SLB         0.10%         2.23%         0.00%         8.65%         0.02%           Schumberger Lid         SLB         0.11%         2.24%         0.00%         9.60%         0.01%           Schumberger Lid         Schumberger Lid         0.00%							
Public Torup inc         PHM         0.04%         1.40%         0.00%         6.49%         0.00%           Princale Wast Capital Corp         PNC         0.19%         4.00%         0.01%         7.5%         0.00%           PPG Industries         PPG         0.09%         1.98%         0.01%         7.5%         0.00%           Progressive CarpThe         PPG         0.18%         0.51%         0.00%         6.20%         0.01%           Progressive CarpThe         PPG         0.18%         0.51%         0.00%         4.54%         0.00%           Edison International         EK         0.09%         4.29%         0.00%         8.50%         0.02%           Schumborger Ltd         SLB         0.10%         2.89%         0.00%         8.50%         0.02%           Mastrucker CorpThe         SCHW         0.18%         1.99%         0.00%         8.50%         0.02%           Mastrucker CorpThe         SCHW         0.20%         0.91%         4.25%         0.00%           Mastrucker Corp         WST         0.06%         3.02%         0.00%         4.05%         0.01%           Status Nutroker Schumber Corp         TFC         0.20%         4.41%         0.01%							
Pinnace West Capital Corp         PNW         0.03%         4.11%         0.00%         4.90%         0.00%           PPG Financial Services Group Inc         PPG         0.09%         1.98%         0.00%         6.00%         0.00%           Progressive CorpThe         PPG         0.19%         0.25%         0.00%         6.00%         0.01%           Puble Service Enterprise Group Inc         PEG         0.10%         2.25%         0.00%         4.43%         0.00%           Schumberger Lin         DEL         2.61%         0.00%         4.43%         0.00%           Schumberger Lin         DEM         0.10%         2.65%         0.00%         4.35%         0.00%           Schumberger Lin         DEM         0.10%         2.65%         0.00%         8.65%         0.01%           Schumberger Lin         SCA         0.05%         0.30%         0.00%         8.65%         0.00%           Sharpon Inc         SAM         0.05%         3.30%         0.00%         4.65%         0.00%           AMET Corp         SAM         0.05%         3.00%         0.01%         4.31%         0.01%           Southern CorThe         SAM         0.05%         3.00%         0.01%         4.0							
PPG Industries Inc         PPG         0.09%         1.98%         0.00%         1.78%         0.00%           Public Service Enterprise Group Inc         PEG         0.10%         3.73%         0.00%         4.43%         0.00%           Edison International Inc         RHI         0.04%         4.28%         0.00%         4.45%         0.00%           Edison International         EDX         0.04%         4.28%         0.00%         4.54%         0.00%           Shewin-Williams Ca/The         SHW         0.18%         2.08%         0.00%         4.56%         0.01%           Shewin-Williams Ca/The         SHW         0.28%         0.00%         4.56%         0.00%           MS shap-on Inc         SMM         0.05%         3.02%         0.00%         4.66%         0.01%           AMETEX Inc         AME         0.08%         0.78%         0.00%         4.66%         0.01%           Southern Co/The         SO         0.23%         4.41%         0.01%         1.62%         0.00%           Southern Co/The         SO         0.23%         4.41%         0.01%         1.64%         0.00%           Southern Co/The         SO         0.23%         4.41%         0.01%         1	Pinnacle West Capital Corp	PNW	0.03%	4.01%	0.00%	4.90%	0.00%
Progressive Corp/The         PGR         0.18%         0.51%         0.00%         6.00%         0.43%         0.00%           Robert Half International Inc         RHI         0.02%         2.21%         0.00%         0.29%         0.00%           Schulmsberger Ld         SLB         0.10%         2.28%         0.00%         8.60%         0.04%           Schulmsberger Ld         SLB         0.10%         2.28%         0.00%         8.45%         0.02%           Sherune-Williams CorThe         SLM         0.21%         0.01%         8.25%         0.02%           Sherune-Williams CorThe         SLM         0.21%         0.00%         8.25%         0.02%           Sherune-Williams CorThe         SNA         0.03%         3.20%         0.00%         4.05%         0.02%           Southern CorThe         SNA         0.03%         0.23%         4.41%         0.01%         4.26%         0.00%           Southers Athines Co         LUV         0.08%         0.78%         0.00%         1.40%         0.00%         1.40%         0.01%         0.24%         0.71%         0.11%         0.14%         0.24%         0.01%         0.24%         0.01%         0.24%         0.01%         0.24%         0.							
Public Service Enterprise Group Inc         PEG         0.10%         3.73%         0.00%         4.43%         0.00%           Edison International         EIX         0.09%         4.28%         0.00%         4.45%         0.00%           Edison International         EIX         0.09%         4.28%         0.00%         4.60%         0.01%           Edison International         SCHW         0.18%         1.98%         0.00%         4.60%         0.01%           Marchard         SCHW         0.18%         0.90%         4.60%         0.01%           Marchard         COThe         SCHW         0.26%         0.00%         4.60%         0.01%           Marchard         COThe         SUM         0.05%         3.02%         0.00%         4.43%         0.01%           AMETEK         NAR         0.08%         NAR         0.04%         0.14%         0.00%         1.43%         0.00%         1.43%         0.00%         1.43%         0.00%         1.43%         0.00%         1.43%         0.00%         1.43%         0.00%         1.43%         0.00%         1.43%         0.00%         1.43%         0.00%         1.43%         0.00%         1.43%         0.00%         0.00%         1.4							
Robert Hail International         RHI         0.02%         2.81%         0.00%         2.28%         0.00%         5.45%         0.00%         5.40%         0.01%         5.40%         0.01%         5.40%         0.01%         5.40%         0.01%         2.10%         0.00%         5.40%         0.01%         2.10%         0.00%         2.10%         0.00%         2.10%         0.00%         2.10%         0.00%         2.10%         0.00%         2.10%         0.00%         2.10%         0.00%         2.10							
Schlumberger Ltd         SLB         0.10%         2.68%         0.00%         36.00%         0.01%           Sherwin-Williams CorThe         SHW         0.20%         0.91%         0.00%         8.55%         0.02%           Sherwin-Williams CorThe         SHM         0.02%         0.01%         0.00%         8.55%         0.02%           JM Smucker CorThe         SJM         0.05%         3.02%         0.00%         4.65%         0.00%           AMETEK Inc         AME         0.08%         0.78%         0.00%         4.16%         0.01%           Southern CorThe         SO         0.23%         4.14%         0.01%         4.20%         0.00%           Southerns CorThe         SO         0.23%         4.14%         0.01%         4.30%         0.00%           Southerns CorThe         SO         0.23%         4.14%         0.01%         4.30%         0.00%           Southern CorThe         SO         0.24%         0.76%         1.30%         0.00%         1.44%         0.00%         1.44%         0.00%         1.44%         0.00%         1.40%         0.01%         5.80%         0.00%         2.83%         0.00%         1.40%         0.00%         0.00%         0.80%							
Charles Schwab CorpThe         SCHW         0.18%         1.08%         0.00%         4.50%         0.02%           West Pharmaceutical Services Inc         WST         0.06%         0.30%         0.00%         8.85%         0.02%           MS Snucker CoTThe         SJM         0.05%         3.30%         0.00%         4.06%         0.00%           Snap-on Inc         ANME         0.08%         0.78%         0.00%         4.06%         0.00%           Southern CoTThe         SO         0.23%         4.41%         0.01%         4.30%         0.01%           Southers Allines Co         LUV         0.08%         n/a         n/a         4.20%         0.00%           Southwest Airlines Co         LUV         0.08%         n/a         n/a         1.00%         0.00%           Stantys Black & Decker Inc         SWK         0.07%         0.04%         0.01%         1.00%         0.01%           Sysce Corp         SYA         0.14%         0.00%         1.40%         0.01%         1.04%         0.01%         0.00%         1.04%         0.01%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         <							
Shevin, Williams Co <sup>T</sup> The         SHW         0.20%         0.91%         0.00%         8.85%         0.02%           MS mucker CoTThe         SJM         0.05%         3.02%         0.00%         1.62%         0.00%           AM Error         SJM         0.05%         3.02%         0.00%         4.06%         0.00%           AMETEK Inc         AME         0.08%         0.78%         0.01%         4.30%         0.00%           Southern CoTThe         SO         0.23%         4.41%         0.01%         4.30%         0.00%           Southern CoTThe         SO         0.23%         4.71%         0.01%         4.30%         0.00%           Southern CoTThe         SV         0.00%         1.40%         0.00%         1.40%         0.00%           Southern CoTThe         SVK         0.07%         1.40%         0.00%         1.00%         0.00%           Southern CoTthe         SVK         0.07%         1.10%         0.01%         3.74%         0.01%         3.74%         0.01%         3.95%         0.00%         3.80%         0.00%         3.80%         0.00%         3.80%         0.00%         3.80%         0.00%         3.80%         0.00%         3.80%         0.00% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
West Pharmaceutical Services Inc         WST         0.06%         0.30%         0.00%         9.60%         0.01%           Snap-on Inc         SNA         0.03%         0.00%         4.06%         0.00%           Snap-on Inc         SNA         0.03%         0.00%         4.06%         0.00%           Southern CorThe         SO         0.23%         4.41%         0.01%         4.30%         0.01%           Southern CorThe         SO         0.23%         4.41%         0.01%         4.30%         0.00%           Southerest Airlines Co         LUV         0.08%         n/a         -0.20%         4.41%         0.00%         1.00%         0.00%           Stankey Black & Decker Inc         SWK         0.07%         0.00%         1.10%         0.01%         3.74%         0.01%         3.74%         0.01%         3.74%         0.01%         3.74%         0.01%         3.74%         0.01%         3.74%         0.01%         3.74%         0.01%         3.74%         0.01%         7.74         0.01%         3.74%         0.01%         7.74         0.01%         7.74         0.01%         7.74         0.01%         7.74         0.01%         7.74         0.02%         7.74         0.02%							
JM Smacker Co/The         SJM         0.05%         3.02%         0.00%         1.62%         0.00%           AME TEX In         AME         0.03%         3.03%         0.00%         4.06%         0.00%           AME TEX In         AME         0.03%         0.01%         4.01%         0.01%         0.00%         0.00%           Southmer Ca/The         SO         0.23%         4.41%         0.01%         2.10%         0.00%           Southmers Airlines Co         LUV         0.08%         n/a         n/a         -0.20%         0.00%           Stanley Black & Bocker Inc         SWK         0.07%         0.00%         11.01%         0.01%           Public Storage         PSA         0.14%         3.89%         0.01%         0.01%           Astas Networks Inc         TXN         0.41%         3.06%         0.01%         0.00%         2.86%         0.00%           Sysoc Corp         SYY         0.11%         3.14%         0.00%         8.66%         0.01%         1.07%         0.04%         0.00%         2.83%         0.00%         2.83%         0.00%         2.83%         0.00%         3.00%         0.00%         3.00%         0.00%         3.00%         0.00%         3.							
AME         O.08%         O.78%         O.00%         9.16%         O.01%           Southern CorThe         SO         O.23%         4.41%         O.01%         2.10%         0.00%           Truist Financial Corp         TFC         0.23%         4.71%         O.01%         2.10%         0.00%           WR Benkley Corp         WRB         0.44%         0.76%         0.00%         11.00%         0.01%           Stanley Black Rocker Inc         SWK         0.07%         0.21%         0.00%         11.00%         0.01%           Stanley Black Rocker Inc         SWK         0.07%         0.01%         0.01%         0.01%         0.01%         0.01%         0.01%         0.01%         0.01%         0.01%         0.01%         0.01%         0.01%         0.01%         0.00%         0.00%         0.01%         Stanley Black Kacker         0.01%         0.01%         0.01%         0.00%         0.00%         Stanley Black Kacker         0.01%         0.01%         0.00%         0.00%         Cacker         0.01%         0.01%         0.00%         Cacker         0.01%         0.01%         0.00%         Cacker         0.01%         0.01%         0.01%         0.01%         0.01%         0.01%         0.01%							
Southern CarThe         SO         0.23%         4.41%         0.01%         4.30%         0.01%           Southwest Airlines Co         LUV         0.08%         n/a         n/a         0.20%         0.00%           WR Berkley Corp         WRB         0.04%         0.76%         0.00%         12.40%         0.00%           Stanley Black & Decker Inc         SWK         0.07%         2.21%         0.00%         11.00%         0.01%           Arista Networks Inc         ANET         0.07%         n/a         n/a         16.04%         0.01%           Sysce Corp         SYY         0.11%         0.00%         3.80%         0.00%         0.00%           Cortwa Inc         TXN         0.03%         0.01%         1.70%         0.04%         1.70%         0.04%           Texas Instruments Inc         TXN         0.03%         0.25%         0.00%         8.30%         0.04%           TIAC So IncThe         TIA         0.03%         0.25%         0.00%         8.30%         0.01%           Controls International pic         JLX         0.26%         0.00%         9.01%         0.01%           Johnson Controls International pic         ULNP         0.05%         n/a         n/a							
Truist Financial Corp       TFC       0.20%       4.71%       0.01%       2.10%       0.00%         WR Benkley Corp       WRB       0.04%       0.76%       0.00%       12.40%       0.00%         Stanley Black Rocker Inc       SWK       0.01%       2.21%       0.00%       11.00%       0.01%         Public Storage       PSA       0.14%       3.89%       0.01%       3.74%       0.01%         Arista Metworks Inc       ANET       0.07%       n/a       n/a       16.04%       0.01%         Sysco Corp       SYV       0.11%       3.14%       0.00%       3.80%       0.01%         Corteva Inc       TVN       0.41%       3.05%       0.01%       10.70%       0.44%         Textron Inc       TXN       0.41%       3.05%       0.04%       3.04%       0.04%         Tiffany & Cor       TIF       0.00%       1.81%       0.00%       4.90%       0.02%         Tubro Inc       TIX       0.24%       n/a       n/a       15.6%       0.02%         Johnson Controls International plc       JCI       0.03%       2.40%       0.04%       13.92%       0.01%         Juhas davigin       Teatrins interational plc       ULP <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Southwest Aritines Co         LUV         0.08%         n/a         n/a         -0.20%         0.00%           WR Berkley Corp         WRB box         0.07%         2.21%         0.00%         11.00%         0.01%           Stanley Black & Decker Inc         SWK         0.07%         2.21%         0.00%         11.00%         0.01%           Arista Networks Inc         ANET         0.07%         n/a         n/a         16.04%         0.01%           Sysco Corp         SYY         0.11%         3.14%         0.00%         9.69%         0.01%           Corteva Inc         CTVA         0.04%         1.94%         0.00%         9.69%         0.01%           Texton Inc         TXT         0.03%         0.25%         0.00%         8.30%         0.04%           Thermo Fisher Scientific Inc         TMC         0.33%         0.26%         0.00%         A/a         n/a           TifAray & Co         TIF         0.03%         0.84%         0.00%         A/a         n/a         1.36%         0.02%           Johnson Controls International pic         JCI         0.03%         0.94%         0.00%         0.03%         Johnson         1.40%         0.28%         0.01%         0.04%							
WR Benkley Corp         WR B         0.04%         0.76%         0.00%         12.40%         0.01%           Public Storage         PSA         0.14%         3.80%         0.01%         3.74%         0.01%           Avista Networks Inc         ANET         0.07%         n/a         n/a         16.04%         0.01%           Sysco Corp         CYV         0.11%         3.14%         0.00%         9.69%         0.01%           Texas Instruments Inc         TXN         0.04%         3.05%         0.01%         1.23%         0.04%         2.33%         0.04%           Texas Instruments Inc         TXT         0.03%         0.25%         0.00%         8.30%         0.04%           Texas Instruments Inc         TXC         TTX         0.03%         0.25%         0.00%         n/a         n/a           TixX Cos IncThe         TIX         0.23%         0.00%         n/a							
Public Storage         PSA         0.14%         3.84%         0.01%         3.74%         0.01%           Avista Networks Inc         ANET         0.07%         n/a         n/a         16.04%         0.01%           Syso Corp         SYY         0.11%         3.14%         0.00%         3.80%         0.01%           Corteva Inc         CTVA         0.08%         1.94%         0.00%         2.83%         0.00%           Texton Inc         TXN         0.41%         3.05%         0.01%         2.83%         0.00%           Texton Inc         TXC         0.03%         0.25%         0.00%         2.83%         0.00%           Tiffary & Co         TIF         0.00%         1.81%         0.00%         n.4         n/a         n/a         n/a           TXC cos Inc/The         TJX         0.24%         n/a         n/a         15.68%         0.01%           Union Pacific Corp         UNP         0.44%         2.29%         0.01%         9.10%         0.01%           Union Routic Group Inc         UNM         0.05%         n/a         n/a         13.92%         0.01%           Union Pacific Corp         UNM         0.01%         7.16%         0.00%							
Arista Networks Inc         ANET         0.07%         r/a         r/a         16.04%         0.01%           Corteva Inc         CTVA         0.08%         1.94%         0.00%         9.89%         0.01%           Corteva Inc         CTVA         0.08%         1.94%         0.00%         9.89%         0.01%           Texton Inc         TXN         0.41%         3.25%         0.01%         1.070%         0.04%           Texton Inc         TXN         0.41%         3.25%         0.00%         8.30%         0.04%           Thermo Fisher Scientific Inc         TXI         0.03%         0.24%         n/a         n/a         n/a           TifA Cos         TIF         0.00%         1.81%         0.00%         4.90%         0.02%           Johnson Controls International pic         JCI         0.03%         0.94%         0.00%         9.01%           Una Pacific Corp         UNP         0.44%         2.29%         0.01%         0.14%           Una Group Inc         UNH         1.10%         1.42%         0.02%         1.04%           Una Group Inc         UNH         1.01%         7.16%         0.00%         0.01%           Una Group Inc         UNM							
Sysoc Corp         SYY         0.11%         3.14%         0.00%         3.80%         0.00%           Corteva Inc         TXN         0.41%         3.05%         0.01%         10.70%         0.04%           Textron Inc         TXN         0.41%         3.05%         0.01%         10.70%         0.04%           Textron Inc         TXO         0.03%         0.25%         0.00%         8.30%         0.00%           Thermo Fisher Scientific Inc         TMO         0.53%         0.24%         0.00%         8.30%         0.00%           TX Cos Inc/The         TJX         0.24%         n/a         n/a         n/a         n/a           Solnson Controls International pic         JCI         0.09%         3.28%         0.00%         9.10%         0.01%           Unice Pacific Corp         UNP         0.44%         2.29%         0.01%         9.00%         0.01%           Unice Pacific Corp         UNH         1.10%         1.42%         0.02%         1.44%         0.01%         0.11%           Varian Medical Systems Inc         VAR         0.04%         n/a         n/a         3.25%         0.00%         0.00%         Vertas Inc         VVRO         0.03%         1.26% <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
Contex inc         CTVA         0.08%         9.04%         0.00%         9.68%         0.01%           Texas Instruments Inc         TX         0.03%         0.25%         0.00%         2.83%         0.00%           Thermo Fisher Scientific Inc         TM         0.53%         0.25%         0.00%         8.30%         0.04%           Tiffany & Co         TIF         0.03%         0.24%         n/a         n/a         7.55%         0.02%           Globe Life Inc         GL         0.03%         0.94%         0.00%         4.90%         0.01%           Julta Beauly Inc         UITA         0.05%         n/a         n/a         7.55%         0.02%           Una Bearing Inc         UNP         0.44%         0.00%         9.19%         0.01%           Unard Group Inc         UNP         0.44%         0.02%         12.40%         0.14%           Unum Group         UNH         1.01%         7.16%         0.02%         0.01%           Variat Medical Systems Inc         VAR         0.02%         n/a         n/a         8.40%         0.00%           Vorado Realty Trust         VNO         0.03%         6.93%         0.00%         4.60%         0.01%         Verado							
Textron Inc         TXT         0.03%         0.25%         0.00%         2.83%         0.00%           Thermo Fisher Scientific Inc         TMO         0.53%         0.25%         0.00%         8.30%         0.04%           Tiffany & Co         TIF         0.00%         1.81%         0.00%         1.81%         0.00%         4.90%         0.00%           Johnson Controls International pic         JCI         0.09%         3.28%         0.00%         4.90%         0.01%           Ulta Beauty Inc         ULTA         0.05%         n/a         n/a         15.6%         0.01%           Vuita Beauty Inc         UNP         0.44%         2.29%         0.01%         9.50%         0.01%           UnitedHealth Group Inc         UNH         1.10%         1.42%         0.02%         12.40%         0.14%           UnitedHealth Group Inc         UNM         0.01%         7.16%         0.00%         9.00%         0.01%           Varian Medical Systems Inc         VAR         0.04%         n/a         n/a         3.22%         0.00%         0.28%         0.00%           Varian Medical Systems Inc         VMR         0.05%         3.28%         0.00%         4.60%         0.01%         Varian Medical							
Thermo Fisher Scientific Inc         TMO         0.53%         0.25%         0.00%         8.30%         0.04%           Tiffany & Co         TJX         0.00%         1.81%         0.00%         n/a         n/a         n/a           TAX Cos IndThe         TJX         0.24%         n/a         n/a         7.55%         0.02%           Globe Life Inc         GL         0.03%         0.94%         0.00%         4.90%         0.01%           Union Pacific Corp         ULTA         0.05%         n/a         n/a         15.68%         0.01%           Union Pacific Corp         UNP         0.44%         2.29%         0.01%         9.50%         0.04%           UnitedHealth Group Inc         UNH         1.10%         1.42%         0.02%         12.40%         0.14%           UnitedHealth Group Inc         UNM         0.01%         7.16%         0.00%         9.00%         0.00%           Varian Medical Systems Inc         VAR         0.02%         n/a         n/a         8.40%         0.00%           Varian Medical Systems Inc         VAR         0.04%         n/a         n/a         8.40%         0.00%           Vorado Realty Trust         VNO         0.03%         8.82% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Tiffany & Co         TIF         0.00%         1.81%         0.00%         n/a							
TJX         0.24%         n/a         n/a         7.55%         0.02%           Globe Life Inc         GL         0.03%         0.94%         0.00%         4.90%         0.00%           Slobe Life Inc         JCI         0.09%         3.28%         0.00%         4.90%         0.00%           Union Pacific Corp         ULTA         0.05%         n/a         n/a         15.68%         0.01%           Union Pacific Corp         UNP         0.44%         2.29%         0.01%         0.04%           Miedelleath Group Inc         UNH         1.10%         1.42%         0.02%         12.40%         0.14%           Unum Group         UNM         0.01%         7.16%         0.00%         9.00%         0.01%           Varian Medical Systems Inc         VAR         0.04%         n/a         n/a         -3.25%         0.00%           Vorado Realty Trust         VNO         0.03%         6.83%         0.00%         0.00%         0.00%           Vorado Realty Trust         VNO         0.03%         6.83%         0.00%         4.66%         0.01%           Viliama Cos Inc/The         WHR         0.03%         3.88%         0.00%         3.07%         0.00%							
Globe Life Inc         GL         0.03%         0.94%         0.00%         4.90%         0.00%           Johnson Controls International plc         JCI         0.09%         3.28%         0.00%         9.10%         0.01%           Uita Beauty Inc         ULTA         0.05%         n/a         n/a         15.68%         0.01%           Wita Beauty Inc         UNP         0.44%         2.29%         0.01%         9.50%         0.04%           Keysight Technologies Inc         UNH         1.10%         1.42%         0.02%         12.40%         0.14%           Unue Group         UNM         0.01%         7.16%         0.00%         9.00%         0.00%           Varian Medical Systems Inc         VAR         0.04%         n/a         n/a         8.40%         0.00%           Ventas Inc         VFC         0.09%         3.32%         0.00%         4.66%         0.00%           Vulcan Materials Co         VMC         0.03%         6.93%         0.00%         4.66%         0.00%           Vulcan Materials Co         WMC         0.03%         3.88%         0.00%         4.66%         0.01%           Whitpool Corp         WHR         0.03%         3.88%         0.00%							
Ulta Beauty Inc         ULTA         0.05%         n/a         n/a         n/a         15.68%         0.01%           Union Pacific Corp         UNP         0.44%         2.29%         0.01%         9.50%         0.04%           Keysight Technologies Inc         UNH         1.10%         1.42%         0.02%         12.40%         0.14%           UnitedHealth Group Inc         UNH         0.01%         7.16%         0.00%         9.00%         0.00%           Marathon Oil Corp         MRO         0.02%         n/a         n/a         -3.25%         0.00%           Varian Medical Systems Inc         VAR         0.04%         n/a         n/a         8.40%         0.00%           Ventas Inc         VTR         0.05%         8.82%         0.00%         4.66%         0.00%           Vorado Realty Trust         VNO         0.03%         6.93%         0.00%         4.66%         0.00%           Vulcan Materials Co         WWY         0.00%         n/a         n/a         n/a         n/a           Whirlpool Corp         WHR         0.03%         8.89%         0.00%         -0.07%         0.00%         6.46%         0.01%           Woripool Corp         WHR         0.03							
Union Pacific Corp         UNP         0.44%         2.29%         0.01%         9.50%         0.04%           Keysight Technologies Inc         KEYS         0.08%         n/a         n/a         13.92%         0.01%           UnitedHealth Group Inc         UNM         0.01%         7.16%         0.00%         9.00%         0.00%           Marathon Oil Corp         UNM         0.01%         7.16%         0.00%         9.00%         0.00%           Varian Medical Systems Inc         VAR         0.04%         n/a         n/a         3.25%         0.00%           Vertas Inc         VTR         0.05%         8.82%         0.00%         4.66%         0.00%           Vorado Realty Trust         VNO         0.03%         6.93%         0.00%         4.66%         0.00%           Vulcan Materials Co         VMC         0.05%         1.26%         0.00%         4.66%         0.01%           Weyerhaeuser Co         WHR         0.03%         3.88%         0.00%         -3.07%         0.00%           Williams Cos Inc/The         WHR         0.03%         3.88%         0.00%         6.46%         0.11%           Acs Corp/The         AES         0.37%         0.10%         6.46%							
Keysight Technologies Inc         KEYS         0.08%         n/a         n/a         13.92%         0.01%           UnitedHeaith Group Inc         UNH         1.10%         1.42%         0.02%         12.40%         0.14%           Unum Group         UNM         0.01%         7.16%         0.00%         9.00%         0.00%           Marathon Oil Corp         MRO         0.02%         n/a         n/a         -3.25%         0.00%           Varian Medical Systems Inc         VAR         0.04%         n/a         n/a         8.40%         0.00%           Vortas Inc         VTR         0.05%         8.82%         0.00%         4.66%         0.00%           Vortado Realty Trust         VNO         0.03%         6.33%         0.00%         4.66%         0.01%           Vulcan Materials Co         VMC         0.05%         1.26%         0.00%         3.07%         0.00%           Whitpool Corp         WHR         0.03%         3.88%         0.00%         3.07%         0.01%           Weild Enc         0.11%         2.70%         0.00%         6.46%         0.01%           Adobe Inc         ADBE         0.72%         n/a         n/a         18.0%         0.01%							
United Health Group Inc         UNH         1.10%         1.42%         0.02%         12.40%         0.14%           Unum Group         UNM         0.01%         7.16%         0.00%         9.00%         0.00%           Marathon Oil Corp         MRO         0.02%         n/a         n/a         3.25%         0.00%           Varian Medical Systems Inc         VAR         0.04%         n/a         n/a         8.40%         0.00%           Vertas Inc         VTR         0.05%         8.82%         0.00%         4.66%         0.00%           Vorado Realty Trust         VNO         0.03%         6.33%         0.00%         4.66%         0.00%           Vulcan Materials Co         VMC         0.05%         1.26%         0.00%         1.4.00%         0.01%           Weyerhaeuser Co         WYC         0.00%         n/a         n/a         n/a         n/a         n/a           Whilipool Corp         WHR         0.03%         3.88%         0.00%         6.46%         0.01%           KEC Energy Group Inc         WEC         0.11%         2.70%         0.00%         6.46%         0.01%           Adbes Inc         ADBE         0.72%         n/a         n/a <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Unum Group         UNM         0.01%         7.16%         0.00%         9.00%         0.00%           Marathon Oil Corp         MRO         0.02%         n/a         n/a         3.25%         0.00%           Varian Medical Systems Inc         VAR         0.04%         n/a         n/a         8.40%         0.00%           Ventas Inc         VTR         0.05%         8.82%         0.00%         0.28%         0.00%           VF Corp         VFC         0.09%         3.32%         0.00%         4.66%         0.00%           Vomado Realty Trust         VNO         0.03%         6.93%         0.00%         4.46%         0.00%           Vulcan Materials Co         VMC         0.05%         1.26%         0.00%         4.46%         0.00%           Weyerhaeuser Co         WY         0.00%         n/a         n/a         n/a         n/a           Whirlpool Corp         WHR         0.03%         3.88%         0.00%         6.46%         0.01%           KEC Energy Group Inc         ADBE         0.72%         n/a         n/a         18.00%         0.13%           Atbodes Inc         ADBE         0.72%         n/a         n/a         18.00%         0.03%							
Varian Medical Systems Inc         VAR         0.04%         n/a         n/a         8.40%         0.00%           Vertas Inc         VTR         0.05%         8.82%         0.00%         -0.28%         0.00%           VFC corp         VTR         0.09%         3.32%         0.00%         4.66%         0.00%           Vonado Realty Trust         VNO         0.05%         1.26%         0.00%         4.66%         0.00%           Vulcan Materials Co         VMC         0.05%         1.26%         0.00%         4.66%         0.00%           Weyerhaeuser Co         WY         0.00%         n/a         n/a         n/a         n/a           Whitpool Corp         WHR         0.03%         3.88%         0.00%         -3.07%         0.00%           WEC Energy Group Inc         WEC         0.11%         2.70%         0.00%         6.46%         0.01%           Adbes Inc         ADBE         0.72%         n/a         n/a         18.00%         0.13%           Actiodesk Inc         ADBE         0.72%         n/a         n/a         31.35%         0.06%           Cintas Corp         CTAS         0.10%         1.01%         0.00%         12.00%         0.01%	Unum Group	UNM	0.01%	7.16%	0.00%	9.00%	0.00%
Ventas Inc         VTR         0.05%         8.82%         0.00%         -0.28%         0.00%           VF Corp         VFC         0.09%         3.32%         0.00%         8.80%         0.01%           Vormado Realty Trust         VNO         0.03%         6.93%         0.00%         4.66%         0.00%           Vulcan Materials Co         VMC         0.05%         1.26%         0.00%         14.00%         0.01%           Weyerhaeuser Co         WY         0.00%         n/a         n/a         n/a         n/a           Whirlpool Corp         WHR         0.03%         3.88%         0.00%         7.58%         0.01%           WEIC Energy Group Inc         WEC         0.11%         2.70%         0.00%         6.46%         0.01%           Adobe Inc         ADBE         0.72%         n/a         n/a         18.00%         0.13%           AES Corp/The         AES         0.03%         4.54%         0.00%         6.99%         0.00%           Autodesk Inc         ADSK         0.18%         n/a         n/a         31.35%         0.06%           Contast Corp         CMCSA         0.10%         1.01%         0.00%         12.0%         0.01%							
VF Corp         VFC         0.09%         3.32%         0.00%         8.80%         0.01%           Vornado Realty Trust         VNO         0.03%         6.93%         0.00%         4.66%         0.00%           Wulcan Materials Co         VMC         0.05%         1.26%         0.00%         14.00%         0.01%           Weyerhaeuser Co         WY         0.00%         n/a         n/a         n/a         n/a           Whirlpool Corp         WHR         0.03%         3.88%         0.00%         -3.07%         0.00%           Williams Cos Inc/The         WMB         0.10%         7.80%         0.01%         7.58%         0.01%           Action So Inc/The         WMEC         0.11%         2.70%         0.00%         6.46%         0.01%           Action So Inc/The         WMEC         0.11%         2.70%         0.00%         6.46%         0.01%           Action So Inc/The         WMEC         0.11%         2.70%         0.00%         6.46%         0.01%           Action So Inc/The         Action So Inc/The         Action So Inc/The         Action So Inc/The         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%							
Vormado Realty Trust         VNO         0.03%         6.93%         0.00%         4.66%         0.00%           Vulcan Materials Co         VMC         0.05%         1.26%         0.00%         14.00%         0.01%           Weyerhaeuser Co         WY         0.00%         n/a         n/a         n/a         n/a           Whitpool Corp         WHR         0.03%         3.88%         0.00%         -3.07%         0.00%           Williams Cos Inc/The         WMB         0.10%         7.80%         0.01%         7.58%         0.01%           KEC Energy Group Inc         WEC         0.11%         2.70%         0.00%         6.49%         0.03%           Adbe Inc         ADBE         0.72%         n/a         n/a         18.00%         0.13%           Acts Corp/The         AES         0.03%         4.54%         0.00%         6.99%         0.00%           Angen Inc         AMGN         0.51%         2.81%         0.01%         8.56%         0.04%           Apple Inc         ADSE         0.18%         n/a         n/a         31.35%         0.66%           Cintas Corp         CTAS         0.10%         1.01%         0.00%         12.00%         0.01%							
Weyerhaeuser Co         WY         0.00%         n/a         n/a         n/a         n/a         n/a           Whirpool Corp         WHR         0.03%         3.88%         0.00%         -3.07%         0.00%           Whirpool Corp         WMB         0.10%         7.80%         0.01%         7.58%         0.01%           Williams Cos Inc/The         WME         0.11%         2.70%         0.00%         6.46%         0.01%           Adobe Inc         ADBE         0.72%         n/a         n/a         18.00%         0.13%           AES Corp/The         AES         0.03%         4.54%         0.00%         6.99%         0.00%           Apple Inc         AAPL         5.34%         1.02%         0.05%         11.05%         0.59%           Autodesk Inc         ADSK         0.18%         n/a         n/a         31.35%         0.06%           Cintas Corp         CTAS         0.10%         1.01%         0.00%         4.10%         0.03%           Molson Coors Beverage Co         TAP         0.03%         n/a         n/a         0.10%         0.01%           Morito International Inc/MD         MAR         0.12%         0.00%         1.16%         0.00%							
Whitpool Corp         WHR         0.03%         3.88%         0.00%         -3.07%         0.00%           Williams Cos Inc/The         WMB         0.10%         7.80%         0.01%         7.58%         0.01%           WEC Energy Group Inc         WEC         0.11%         2.70%         0.00%         6.46%         0.01%           Adobe Inc         ADBE         0.72%         n/a         n/a         18.00%         0.13%           AES Corp/The         AES         0.03%         4.54%         0.00%         6.99%         0.00%           Amgen Inc         AMGN         0.51%         2.81%         0.01%         8.56%         0.04%           Apple Inc         AAPL         5.34%         1.02%         0.05%         11.05%         0.59%           Autodesk Inc         CTAS         0.10%         1.01%         0.00%         12.00%         0.01%           Consta Corp         CMCSA         0.70%         2.30%         0.02%         4.10%         0.03%           Molson Coors Beverage Co         TAP         0.03%         n/a         n/a         1.62%         0.01%           McCormick & Co Inc/MD         MAR         0.12%         n/a         n/a         1.62%         0.00	Vulcan Materials Co		0.05%				0.01%
Williams Cos Inc/The         WMB         0.10%         7.80%         0.01%         7.58%         0.01%           WEC Energy Group Inc         WEC         0.11%         2.70%         0.00%         6.46%         0.01%           Adobe Inc         ADBE         0.72%         n/a         n/a         18.00%         0.01%           AES Corp/The         AES         0.03%         4.54%         0.00%         6.99%         0.00%           Amgen Inc         AAR         0.51%         2.81%         0.01%         8.56%         0.04%           Apple Inc         AAPL         5.34%         1.02%         0.05%         11.05%         0.59%           Autodesk Inc         ADSK         0.18%         n/a         n/a         31.35%         0.06%           Comcast Corp         CTAS         0.10%         1.01%         0.00%         12.00%         0.01%           Mariott International Inc/MD         MAR         0.70%         2.30%         0.02%         4.10%         0.00%           KLAC cop         MAR         0.12%         n/a         n/a         1.62%         0.00%           KLAC cop         MAR         0.12%         n/a         n/a         1.62%         0.00%							
WEC         0.11%         2.70%         0.00%         6.46%         0.01%           Adobe Inc         ADBE         0.72%         n/a         n/a         18.00%         0.13%           Adobe Inc         ADBE         0.72%         n/a         n/a         18.00%         0.13%           AES Corp/The         AES         0.03%         4.54%         0.00%         6.99%         0.00%           Amgen Inc         AMGN         0.51%         2.81%         0.01%         8.56%         0.04%           Apple Inc         AAPL         5.34%         1.02%         0.05%         11.05%         0.59%           Autodesk Inc         ADSK         0.18%         n/a         n/a         31.35%         0.06%           Cintas Corp         CTAS         0.10%         1.01%         0.00%         12.00%         0.01%           Corps Beverage Co         TAP         0.33%         n/a         n/a         0.10%         0.00%           KLAC corp         KLAC         0.11%         1.92%         0.00%         9.17%         0.01%           Marriott International Inc/MD         MAR         0.12%         n/a         n/a         6.00%         0.00%           PACCAR Inc							
Adobe Inc.         ADBE         0.72%         n/a         n/a         18.00%         0.13%           AES Corp/The         AES         0.03%         4.54%         0.00%         6.99%         0.00%           Amgen Inc         AMGN         0.51%         2.81%         0.01%         8.56%         0.04%           Apple Inc         AAQL         5.34%         1.02%         0.05%         11.05%         0.56%           Autodesk Inc         ADSK         0.18%         n/a         n/a         31.35%         0.06%           Cintas Corp         CTAS         0.10%         1.01%         0.00%         12.00%         0.01%           Molson Coors Beverage Co         TAP         0.03%         n/a         n/a         0.10%         0.00%           KLA Corp         KLAC         0.11%         1.92%         0.00%         10.58%         0.01%           Marciotti International Inc/MD         MAR         0.12%         n/a         n/a         -1.62%         0.00%           Nordstrom Inc         JWN         0.01%         1.01%         0.00%         4.53%         0.00%           PACAR Nic         0.57%         0.91%         0.00%         7.48%         0.00% <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Amgen Inc         AMGN         0.51%         2.81%         0.01%         8.56%         0.04%           Apple Inc         AAPL         5.34%         1.02%         0.05%         11.05%         0.59%           Autodesk Inc         ADSK         0.18%         n/a         n/a         31.35%         0.06%           Cintas Corp         CTAS         0.10%         1.01%         0.00%         12.00%         0.01%           Consast Corp         CTAS         0.10%         1.01%         0.00%         12.00%         0.01%           Molson Coors Beverage Co         TAP         0.33%         n/a         n/a         0.10%         0.00%           KLA Corp         KLAC         0.11%         1.92%         0.00%         10.58%         0.01%           Marriott International Inc/MD         MAR         0.12%         n/a         n/a         1.62%         0.00%           Nordstrom Inc         JWN         0.01%         n/a         n/a         6.00%         0.00%           PACCAR Inc         CCST         0.52%         0.91%         0.00%         4.53%         0.00%           Costor Wholesale Corp         COST         0.52%         0.91%         0.00%         7.4%         0.00% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Apple Inc         AAPL         5.34%         1.02%         0.05%         11.05%         0.59%           Autodesk Inc         ADSK         0.18%         n/a         n/a         31.35%         0.06%           Cintas Corp         CTAS         0.10%         1.01%         0.00%         12.00%         0.01%           Comcast Corp         CTAS         0.70%         2.30%         0.02%         4.10%         0.03%           Molson Coors Beverage Co         TAP         0.03%         n/a         n/a         0.10%         0.00%           KLA Corp         KLAC         0.11%         1.92%         0.00%         10.58%         0.00%           McCormick & Co Inc/MD         MAR         0.12%         n/a         n/a         -1.62%         0.00%           Nordstrom Inc         JWN         0.01%         n/a         n/a         6.00%         0.00%           PACCAR Inc         PCAR         0.10%         1.74%         0.00%         4.53%         0.00%           Costor Wholesale Corp         COST         0.52%         0.91%         0.00%         4.53%         0.00%           Stryker Corp         SYK         0.28%         1.16%         0.00%         8.10%         0.02%							
Autodesk Inc         ADSK         0.18%         n/a         n/a         31.35%         0.06%           Cintas Corp         CTAS         0.10%         1.01%         0.00%         12.00%         0.01%           Comcast Corp         CMCSA         0.70%         2.30%         0.02%         4.10%         0.03%           Molson Coors Beverage Co         TAP         0.03%         n/a         n/a         0.10%         0.00%           KLA Corp         KLAC         0.11%         1.92%         0.00%         10.58%         0.01%           Marriott International Inc/MD         MAR         0.12%         n/a         n/a         -1.62%         0.00%           McCormick & Co Inc/MD         MKC         0.08%         1.40%         0.00%         9.17%         0.01%           Nordstrom Inc         JWN         0.01%         n/a         n/a         6.00%         0.00%           PACCAR Inc         PCAR         0.10%         1.74%         0.00%         4.53%         0.00%           Costco Wholesale Corp         COST         0.52%         0.91%         0.00%         7.48%         0.04%           First Republic Bank/CA         FRC         0.07%         0.73%         0.00%         8.10% </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Cintas Corp         CTAS         0.10%         1.01%         0.00%         12.00%         0.01%           Comcast Corp         CMCSA         0.70%         2.30%         0.02%         4.10%         0.03%           Molson Coors Beverage Co         TAP         0.33%         n/a         n/a         0.10%         0.00%           KLA Corp         KLAC         0.11%         1.92%         0.00%         10.58%         0.01%           Marriott International Inc/MD         MAR         0.12%         n/a         n/a         -1.62%         0.00%           Nordstrom Inc         JWN         0.01%         n/a         n/a         6.00%         0.00%           PACCAR Inc         PCAR         0.10%         1.74%         0.00%         4.53%         0.00%           Costo Wholesale Corp         COST         0.52%         0.91%         0.00%         4.48%         0.00%           First Republic Bank/CA         FRC         0.07%         0.73%         0.00%         6.49%         0.00%           Stryker Corp         SYK         0.28%         1.16%         0.00%         8.10%         0.02%							
Concast Corp         CMCSA         0.70%         2.30%         0.02%         4.10%         0.03%           Molson Coors Beverage Co         TAP         0.03%         n/a         n/a         0.10%         0.00%           KLA Cop         KLAC         0.11%         1.92%         0.00%         10.58%         0.01%           Mariott International Inc/MD         MAR         0.12%         n/a         n/a         -1.62%         0.00%           McGormick & Co Inc/MD         MKC         0.08%         1.40%         0.00%         9.17%         0.01%           Nordstrom Inc         JWN         0.01%         n/a         n/a         6.00%         0.00%           PACCAR Inc         PCAR         0.10%         1.74%         0.00%         7.48%         0.04%           Costco Wholesale Corp         COST         0.52%         0.91%         0.00%         7.48%         0.04%           First Republic Bank/CA         FRC         0.07%         0.73%         0.00%         6.49%         0.00%           Styker Corp         SYK         0.28%         1.16%         0.00%         8.10%         0.02%							
KLAC         0.11%         1.92%         0.00%         10.58%         0.01%           Marriott International Inc/MD         MAR         0.12%         n/a         n/a         -1.62%         0.00%           McCornick & Co Inc/MD         MKC         0.08%         1.40%         0.00%         9.17%         0.01%           Nordstrom Inc         JWN         0.01%         n/a         n/a         6.00%         0.00%           PACCAR Inc         PCAR         0.10%         1.74%         0.00%         4.53%         0.00%           Costco Wholesale Corp         COST         0.52%         0.91%         0.00%         7.48%         0.04%           First Republic Bank/CA         FRC         0.07%         0.73%         0.00%         6.49%         0.00%           Stryker Corp         SYK         0.28%         1.16%         0.00%         8.10%         0.02%           Tyson Foods Inc         TSN         0.07%         2.68%         0.00%         2.78%         0.00%	Comcast Corp	CMCSA	0.70%	2.30%	0.02%	4.10%	0.03%
Marriott International Inc/MD         MAR         0.12%         n/a         n/a         -1.62%         0.00%           McCormick & Co Inc/MD         MKC         0.08%         1.40%         0.00%         9.17%         0.01%           Nordstrom Inc         JWN         0.01%         n/a         n/a         6.00%         0.00%           PACCAR Inc         PCAR         0.10%         1.74%         0.00%         4.53%         0.00%           Costo Wholesale Corp         COST         0.52%         0.91%         0.00%         7.48%         0.04%           First Republic Bank/CA         FRC         0.07%         0.73%         0.00%         6.49%         0.00%           Styker Corp         SYK         0.28%         1.16%         0.00%         8.10%         0.02%           Tyson Foods Inc         TSN         0.07%         2.68%         0.00%         2.78%         0.00%							
McCormick & Co Inc/MD         MKC         0.08%         1.40%         0.00%         9.17%         0.01%           Nordstrom Inc         JWN         0.01%         n/a         n/a         6.00%         0.00%           PACCAR Inc         PCAR         0.10%         1.74%         0.00%         4.53%         0.00%           Costco Wholesale Corp         COST         0.52%         0.91%         0.00%         7.48%         0.04%           First Republic Bank/CA         FRC         0.07%         0.73%         0.00%         6.49%         0.00%           Styker Corp         SYK         0.28%         1.16%         0.00%         8.10%         0.02%           Tyson Foods Inc         TSN         0.07%         2.68%         0.00%         2.78%         0.00%							
Nordstrom Inc         JWN         0.01%         n/a         n/a         6.00%         0.00%           PACCAR Inc         PCAR         0.10%         1.74%         0.00%         4.53%         0.00%           Costco Wholesale Corp         COST         0.52%         0.91%         0.00%         7.48%         0.04%           First Republic Bank/CA         FRC         0.07%         0.73%         0.00%         6.49%         0.00%           Stryker Corp         SYK         0.28%         1.16%         0.00%         8.10%         0.02%           Tyson Foods Inc         TSN         0.07%         2.68%         0.00%         2.78%         0.00%							
PACCAR Inc         PCAR         0.10%         1.74%         0.00%         4.53%         0.00%           Costco Wholesale Corp         COST         0.52%         0.91%         0.00%         7.48%         0.04%           First Republic Bank/CA         FRC         0.07%         0.73%         0.00%         6.49%         0.00%           Stryker Corp         SYK         0.28%         1.16%         0.00%         8.10%         0.02%           Tyson Foods Inc         TSN         0.07%         2.68%         0.00%         2.78%         0.00%							
First Republic Bank/CA         FRC         0.07%         0.73%         0.00%         6.49%         0.00%           Stryker Corp         SYK         0.28%         1.16%         0.00%         8.10%         0.02%           Tyson Foods Inc         TSN         0.07%         2.68%         0.00%         2.78%         0.00%	PACCAR Inc	PCAR		1.74%		4.53%	
Stryker Corp         SYK         0.28%         1.16%         0.00%         8.10%         0.02%           Tyson Foods Inc         TSN         0.07%         2.68%         0.00%         2.78%         0.00%							
Tyson Foods Inc         TSN         0.07%         2.68%         0.00%         2.78%         0.00%							
Land troston notalitys inc LW 0.03/0 1.40/0 0.00/0 -1.05/0 0.00/0	Lamb Weston Holdings Inc	LW	0.03%	1.48%	0.00%	-1.85%	0.00%

	STANDARD AND TO					
		[14]	[15]	[16]	[17]	[18] Cap-Weighted
		Weight in	Estimated	Cap-Weighted	Long-Term	Long-Term
Name	Ticker	Index	Dividend Yield	Dividend Yield	Growth Est.	Growth Est.
Applied Materials Inc	AMAT	0.19%	1.58%	0.00%	15.32%	0.03%
American Airlines Group Inc	AAL	0.02%	n/a	n/a	-15.06%	0.00%
Cardinal Health Inc Cerner Corp	CAH CERN	0.06% 0.08%	3.54% 0.99%	0.00% 0.00%	4.84% 11.91%	0.00% 0.01%
Cincinnati Financial Corp	CINF	0.00%	4.01%	0.00%	n/a	n/a
ViacomCBS Inc	VIAC	0.05%	4.47%	0.00%	4.79%	0.00%
DR Horton Inc Flowserve Corp	DHI FLS	0.08% 0.01%	1.27% 2.94%	0.00% 0.00%	10.55% 3.00%	0.01% 0.00%
Electronic Arts Inc	EA	0.14%	n/a	n/a	8.09%	0.01%
Expeditors International of Washington Inc	EXPD	0.05%	1.38%	0.00%	9.25%	0.00%
Fastenal Co M&T Bank Corp	FAST MTB	0.09% 0.05%	2.45% 4.06%	0.00% 0.00%	13.85% 0.41%	0.01% 0.00%
Xcel Energy Inc	XEL	0.13%	2.60%	0.00%	5.89%	0.01%
Fiserv Inc Fifth Third Bancorp	FISV FITB	0.28% 0.05%	n/a 5.45%	n/a 0.00%	13.89% 9.77%	0.04% 0.01%
Gilead Sciences Inc	GILD	0.05%	3.59%	0.00%	-0.74%	0.00%
Hasbro Inc	HAS	0.04%	3.74%	0.00%	14.34%	0.01%
Huntington Bancshares Inc/OH	HBAN WELL	0.04% 0.08%	6.60% 4.59%	0.00% 0.00%	-9.27% -1.18%	0.00% 0.00%
Welltower Inc Biogen Inc	BIIB	0.08%	4.59% n/a	n/a	1.98%	0.00%
Northern Trust Corp	NTRS	0.06%	3.45%	0.00%	7.55%	0.00%
Packaging Corp of America	PKG	0.04%	3.08%	0.00%	10.00%	0.00%
Paychex Inc People's United Financial Inc	PAYX PBCT	0.10% 0.02%	3.42% 6.14%	0.00% 0.00%	6.55% 2.00%	0.01% 0.00%
QUALCOMM Inc	QCOM	0.34%	3.25%	0.01%	17.10%	0.06%
Roper Technologies Inc	ROP	0.16%	0.52%	0.00%	12.33%	0.02%
Ross Stores Inc IDEXX Laboratories Inc	ROST	0.13% 0.10%	n/a n/a	n/a n/a	8.90% 9.41%	0.01% 0.01%
Starbucks Corp	SBUX	0.35%	2.09%	0.01%	13.16%	0.05%
KeyCorp	KEY	0.04%	6.24%	0.00%	3.36%	0.00%
Fox Corp Fox Corp	FOXA FOX	0.04% 0.03%	1.55% 1.57%	0.00% 0.00%	-3.73% -3.73%	0.00% 0.00%
State Street Corp	STT	0.08%	3.33%	0.00%	8.95%	0.01%
Norwegian Cruise Line Holdings Ltd	NCLH	0.02%	n/a	n/a	-16.58%	0.00%
US Bancorp AO Smith Corp	USB AOS	0.21% 0.02%	4.59% 2.03%	0.01% 0.00%	6.43% 8.00%	0.01% 0.00%
NortonLifeLock Inc	NLOK	0.02 %	2.30%	0.00%	7.50%	0.00%
T Rowe Price Group Inc	TROW	0.11%	2.93%	0.00%	0.76%	0.00%
Waste Management Inc	WM	0.17%	2.04%	0.00%	4.61%	0.01%
Constellation Brands Inc Xilinx Inc	STZ XLNX	0.11% 0.08%	1.73% 1.67%	0.00% 0.00%	1.82% 8.20%	0.00% 0.01%
DENTSPLY SIRONA Inc	XRAY	0.04%	0.85%	0.00%	-1.32%	0.00%
Zions Bancorp NA	ZION	0.02%	4.06%	0.00%	-5.06%	0.00%
Alaska Air Group Inc Invesco Ltd	ALK IVZ	0.02% 0.01%	n/a 7.48%	n/a 0.00%	-19.37% -9.60%	0.00% 0.00%
Linde PLC	LIN	0.41%	1.88%	0.01%	9.50%	0.04%
Intuit Inc	INTU	0.29%	0.73%	0.00%	15.10%	0.04%
Morgan Stanley Microchip Technology Inc	MS MCHP	0.27% 0.09%	3.12% 1.54%	0.01% 0.00%	-0.03% 12.40%	0.00% 0.01%
Chubb Ltd	CB	0.21%	2.60%	0.01%	9.05%	0.02%
Hologic Inc	HOLX	0.05%	n/a	n/a	8.85%	0.00%
Citizens Financial Group Inc O'Reilly Automotive Inc	CFG ORLY	0.04% 0.12%	6.31% n/a	0.00% n/a	30.88% 10.55%	0.01% 0.01%
Allstate Corp/The	ALL	0.12%	2.18%	0.00%	7.00%	0.01%
FLIR Systems Inc	FLIR	0.02%	1.47%	0.00%	10.40%	0.00%
Equity Residential BorgWarner Inc	EQR BWA	0.09% 0.03%	3.93% 2.03%	0.00% 0.00%	3.51% 6.87%	0.00% 0.00%
Incyte Corp	INCY	0.08%	n/a	n/a	23.25%	0.02%
Simon Property Group Inc	SPG	0.07%	13.72%	0.01%	0.90%	0.00%
Eastman Chemical Co Twitter Inc	EMN TWTR	0.04% 0.10%	3.84% n/a	0.00% n/a	1.92% 32.77%	0.00% 0.03%
AvalonBay Communities Inc	AVB	0.09%	3.95%	0.00%	5.85%	0.01%
Prudential Financial Inc	PRU	0.09%	7.26%	0.01%	7.25%	0.01%
United Parcel Service Inc Apartment Investment and Management Co	UPS AIV	0.27% 0.02%	4.06% 4.32%	0.01% 0.00%	6.09% 3.01%	0.02% 0.00%
Walgreens Boots Alliance Inc	WBA	0.14%	4.24%	0.01%	1.47%	0.00%
STERIS PLC	STE	0.05%	0.89%	0.00%	10.10%	0.01%
McKesson Corp Lockheed Martin Corp	MCK LMT	0.10% 0.42%	1.03% 2.45%	0.00% 0.01%	5.88% 7.85%	0.01% 0.03%
AmerisourceBergen Corp	ABC	0.42 %	1.76%	0.00%	12.18%	0.01%
Capital One Financial Corp	COF	0.12%	2.33%	0.00%	6.75%	0.01%
Waters Corp Dollar Tree Inc	WAT DLTR	0.05%	n/a	n/a	3.89%	0.00%
Darden Restaurants Inc	DRI	0.09% 0.04%	n/a n/a	n/a n/a	8.68% 6.52%	0.01% 0.00%
Domino's Pizza Inc	DPZ	0.06%	0.80%	0.00%	12.98%	0.01%
NVR Inc	NVR	0.05%	n/a	n/a	2.44%	0.00%
NetApp Inc Citrix Systems Inc	NTAP CTXS	0.04% 0.07%	4.46% 0.95%	0.00% 0.00%	7.05% 9.33%	0.00% 0.01%
DXC Technology Co	DXC	0.01%	n/a	n/a	-6.42%	0.00%
Old Dominion Freight Line Inc	ODFL	0.08%	0.35%	0.00%	8.74%	0.01%
DaVita Inc Hartford Financial Services Group Inc/The	DVA HIG	0.04% 0.05%	n/a 3.35%	n/a 0.00%	9.56% 12.00%	0.00% 0.01%
Iron Mountain Inc	IRM	0.03%	9.36%	0.00%	0.06%	0.00%
Estee Lauder Cos Inc/The	EL	0.17%	n/a	n/a	8.83%	0.02%
Cadence Design Systems Inc Universal Health Services Inc	CDNS UHS	0.10% 0.03%	n/a n/a	n/a n/a	11.09% 6.67%	0.01% 0.00%
E*TRADE Financial Corp	ETFC	0.04%	1.22%	0.00%	-11.58%	0.00%
Skyworks Solutions Inc	SWKS	0.08%	1.47%	0.00%	12.11%	0.01%
National Oilwell Varco Inc Quest Diagnostics Inc	NOV DGX	0.00% 0.06%	n/a 1.88%	n/a 0.00%	n/a 5.46%	n/a 0.00%
Activision Blizzard Inc	ATVI	0.08%	0.56%	0.00%	5.46% 11.12%	0.02%

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		[14]	[15]	[16]	[17]	[18] Cap-Weigh
Name	Ticker	Weight in Index	Estimated Dividend Yield	Cap-Weighted Dividend Yield		Long-Ter Growth E
Rockwell Automation Inc	ROK	0.09%	1.90%	0.00%	7.18%	0.01%
Kraft Heinz Co/The	KHC	0.09%	5.24%	0.00%	4.60%	0.01%
American Tower Corp	AMT	0.45%	1.65%	0.01%	15.64%	0.07%
HollyFrontier Corp	HFC	0.02%	4.44%	0.00%	-2.81%	0.00%
Regeneron Pharmaceuticals Inc Amazon.com Inc	REGN AMZN	0.23% 4.71%	n/a n/a	n/a n/a	9.02% 26.16%	0.02% 1.23%
lack Henry & Associates Inc	JKHY	0.05%	0.95%	0.00%	12.10%	0.01%
Ralph Lauren Corp	RL	0.01%	n/a	n/a	4.71%	0.00%
Boston Properties Inc	BXP	0.05%	4.41%	0.00%	3.97%	0.00%
Amphenol Corp Howmet Aerospace Inc	APH HWM	0.11% 0.02%	1.02% n/a	0.00% n/a	8.12% 51.10%	0.01% 0.01%
Pioneer Natural Resources Co	PXD	0.02%	2.36%	0.00%	20.05%	0.01%
/alero Energy Corp	VLO	0.10%	5.89%	0.01%	-0.41%	0.00%
Synopsys Inc	SNPS	0.11%	n/a	n/a	14.35%	0.02%
Vestern Union Co/The	WU CHRW	0.03%	4.33%	0.00%	5.30%	0.00%
CH Robinson Worldwide Inc	ACN	0.04% 0.50%	2.54% 1.57%	0.00% 0.01%	8.37% 10.50%	0.00% 0.05%
ransDigm Group Inc	TDG	0.09%	n/a	n/a	6.18%	0.01%
'um! Brands Inc	YUM	0.10%	2.07%	0.00%	11.40%	0.01%
Prologis Inc	PLD	0.27%	2.46%	0.01%	5.12%	0.01%
irstEnergy Corp	FE	0.09%	3.64%	0.00%	0.65%	0.00%
'eriSign Inc Quanta Services Inc	VRSN PWR	0.10% 0.02%	n/a 0.53%	n/a 0.00%	3.20% 10.00%	0.00% 0.00%
lenry Schein Inc	HSIC	0.03%	n/a	n/a	0.70%	0.00%
meren Corp	AEE	0.07%	2.63%	0.00%	7.06%	0.01%
NSYS Inc	ANSS	0.09%	n/a	n/a	11.50%	0.01%
IVIDIA Corp ealed Air Corp	NVDA SEE	0.83% 0.02%	0.18% 1.97%	0.00% 0.00%	17.71% 3.29%	0.15% 0.00%
Cognizant Technology Solutions Corp	CTSH	0.02%	1.66%	0.00%	3.29%	0.00%
VB Financial Group	SIVB	0.04%	n/a	n/a	10.00%	0.00%
tuitive Surgical Inc	ISRG	0.26%	n/a	n/a	6.66%	0.02%
ake-Two Interactive Software Inc	TTWO	0.06%	n/a	n/a	6.33%	0.00%
epublic Services Inc Bay Inc	RSG EBAY	0.10% 0.12%	1.90% 1.41%	0.00% 0.00%	5.57% 11.80%	0.01% 0.01%
oldman Sachs Group Inc/The	GS	0.12 %	2.50%	0.00%	5.13%	0.01%
empra Energy	SRE	0.14%	3.22%	0.00%	7.41%	0.01%
BA Communications Corp	SBAC	0.14%	0.58%	0.00%	29.90%	0.04%
loody's Corp	MCO	0.20%	0.81%	0.00%	8.00%	0.02%
ooking Holdings Inc 5 Networks Inc	BKNG FFIV	0.26% 0.03%	n/a n/a	n/a n/a	19.73% 4.02%	0.05% 0.00%
kamai Technologies Inc	AKAM	0.03%	n/a	n/a	11.80%	0.00%
larketAxess Holdings Inc	MKTX	0.00%	0.46%	0.00%	n/a	n/a
evon Energy Corp	DVN	0.02%	3.74%	0.00%	0.55%	0.00%
Iphabet Inc	GOOGL	1.64%	n/a	n/a	14.18%	0.23%
eleflex Inc letflix Inc	TFX NFLX	0.07% 0.71%	0.37% n/a	0.00% n/a	12.25% 31.97%	0.01% 0.23%
Ilegion plc	ALLE	0.04%	1.27%	0.00%	6.17%	0.00%
gilent Technologies Inc	A	0.11%	0.80%	0.00%	10.30%	0.01%
nthem Inc	ANTM	0.28%	1.31%	0.00%	12.67%	0.04%
ME Group Inc	CME	0.25%	1.84%	0.00%	8.43% 7.86%	0.02% 0.00%
uniper Networks Inc lackRock Inc	JNPR BLK	0.03% 0.32%	3.28% 2.68%	0.00% 0.01%	3.84%	0.00%
TE Energy Co	DTE	0.08%	3.71%	0.00%	5.87%	0.00%
lasdaq Inc	NDAQ	0.08%	1.64%	0.00%	11.84%	0.01%
elanese Corp	CE	0.04%	2.76%	0.00%	3.61%	0.00%
hilip Morris International Inc alesforce.com Inc	PM CRM	0.44% 0.61%	6.35%	0.03%	5.97% 19.32%	0.03% 0.12%
igersoll Rand Inc	IR	0.01%	n/a n/a	n/a n/a	10.20%	0.12%
untington Ingalls Industries Inc	HII	0.03%	2.09%	0.00%	40.00%	0.01%
letLife Inc	MET	0.13%	5.09%	0.01%	5.85%	0.01%
nder Armour Inc	UA	0.01%	n/a	n/a	18.10%	0.00%
apestry Inc SX Corp	TPR CSX	0.01% 0.21%	n/a 1.46%	n/a 0.00%	8.05% 8.77%	0.00% 0.02%
dwards Lifesciences Corp	EW	0.21%	n/a	0.00% n/a	13.75%	0.02%
meriprise Financial Inc	AMP	0.07%	2.88%	0.00%	3.90%	0.00%
ebra Technologies Corp	ZBRA	0.05%	n/a	n/a	11.90%	0.01%
echnipFMC PLC	FTI	0.01%	1.66%	0.00%	9.50%	0.00%
immer Biomet Holdings Inc BRE Group Inc	ZBH CBRE	0.10% 0.06%	0.75% n/a	0.00% n/a	4.31% 8.45%	0.00% 0.00%
lastercard Inc	MA	1.15%	0.53%	0.01%	15.00%	0.17%
arMax Inc	KMX	0.06%	n/a	n/a	9.11%	0.01%
tercontinental Exchange Inc	ICE	0.21%	1.22%	0.00%	9.07%	0.02%
idelity National Information Services Inc	FIS	0.33%	1.01%	0.00%	18.40%	0.06%
hipotle Mexican Grill Inc /ynn Resorts Ltd	CMG WYNN	0.11% 0.04%	n/a n/a	n/a n/a	15.17% 20.00%	0.02% 0.01%
ve Nation Entertainment Inc	LYV	0.04%	n/a	n/a	20.00 % n/a	n/a
ssurant Inc	AIZ	0.00%	2.44%	0.00%	n/a	n/a
RG Energy Inc	NRG	0.03%	3.30%	0.00%	-11.05%	0.00%
egions Financial Corp	RF	0.04%	5.42%	0.00%	-1.84%	0.00%
lonster Beverage Corp losaic Co/The	MNST MOS	0.15% 0.02%	n/a 1.59%	n/a 0.00%	9.39% 38.35%	0.01% 0.01%
iosaic Co/ i ne ixpedia Group Inc	EXPE	0.02%	n/a	0.00% n/a	38.35% 10.97%	0.01%
vergy Inc	EVRG	0.05%	3.23%	0.00%	6.70%	0.00%
iscovery Inc	DISCA	0.01%	n/a	n/a	-0.63%	0.00%
F Industries Holdings Inc	CF	0.02%	4.03%	0.00%	11.05%	0.00%
eidos Holdings Inc	LDOS	0.06%	1.27%	0.00%	10.36%	0.01%
Iphabet Inc Cooper Cos Inc/The	GOOG COO	1.84% 0.06%	n/a 0.02%	n/a 0.00%	14.18% 8.93%	0.26% 0.01%
E Connectivity Ltd	TEL	0.08%	2.28%	0.00%	9.28%	0.01%
Discover Financial Services	DFS	0.06%	3.57%	0.00%	29.12%	0.02%

						Cap-Weight
Name	Ticker	Weight in Index	Estimated Dividend Yield	Cap-Weighted Dividend Yield		Long-Terr Growth Es
Mid-America Apartment Communities Inc	MAA	0.00%	3.37%	0.00%	n/a	n/a
Kylem Inc/NY	XYL	0.05%	1.57%	0.00%	25.00%	0.01%
Marathon Petroleum Corp	MPC	0.09%	6.39%	0.01%	4.05%	0.00%
Fractor Supply Co	TSCO	0.05%	1.14%	0.00%	11.16%	0.01%
Advanced Micro Devices Inc	AMD	0.24%	n/a	n/a	20.33%	0.05%
ResMed Inc	RMD	0.09%	0.96%	0.00%	13.80%	0.01%
Mettler-Toledo International Inc	MTD	0.07%	n/a	n/a	8.17%	0.01%
Copart Inc	CPRT	0.00%	n/a	n/a	n/a	n/a
Albemarle Corp	ALB	0.03%	1.98%	0.00%	10.07%	0.00%
Fortinet Inc	FTNT	0.09%	n/a	n/a	16.68%	0.02%
Essex Property Trust Inc	ESS	0.06%	3.35%	0.00%	3.92%	0.00%
Realty Income Corp	0	0.07%	4.91%	0.00%	3.64%	0.00%
Seagate Technology PLC	STX	0.07 %	4.98%	0.00%	4.83%	0.00%
Westrock Co	WRK	0.03%	2.77%	0.00%	-5.50%	0.00%
HS Markit Ltd	INFO	0.11%	0.96%	0.00%	12.20%	0.01%
Vestinghouse Air Brake Technologies Corp	WAB	0.04%	0.78%	0.00%	7.66%	0.00%
Vestern Digital Corp	WDC	0.05%	n/a	n/a	-1.20%	0.00%
PepsiCo Inc	PEP	0.71%	3.06%	0.02%	4.17%	0.03%
Diamondback Energy Inc	FANG	0.03%	3.42%	0.00%	17.94%	0.00%
Maxim Integrated Products Inc	MXIM	0.06%	3.31%	0.00%	8.03%	0.00%
ServiceNow Inc	NOW	0.28%	n/a	n/a	29.60%	0.08%
Church & Dwight Co Inc	CHD	0.07%	1.26%	0.00%	7.87%	0.01%
Duke Realty Corp	DRE	0.05%	2.66%	0.00%	-0.65%	0.00%
Federal Realty Investment Trust	FRT	0.02%	4.96%	0.00%	3.16%	0.00%
MGM Resorts International	MGM	0.03%	0.06%	0.00%	18.70%	0.01%
IB Hunt Transport Services Inc	JBHT	0.05%	0.93%	0.00%	13.05%	0.01%
am Research Corp	LRCX	0.15%	1.70%	0.00%	10.47%	0.02%
Mohawk Industries Inc	MHK	0.03%	n/a	n/a	9.00%	0.00%
Pentair PLC	PNR	0.02%	1.94%	0.00%	4.94%	0.00%
/ertex Pharmaceuticals Inc	VRTX	0.28%	n/a	n/a	24.51%	0.07%
Amcor PLC	AMCR	0.06%	4.49%	0.00%	8.90%	0.01%
Facebook Inc	FB	2.11%	n/a	n/a	22.16%	0.47%
Γ-Mobile US Inc	TMUS	0.47%	n/a	n/a	12.15%	0.06%
Jnited Rentals Inc	URI	0.04%	n/a	n/a	6.32%	0.00%
ABIOMED Inc	ABMD	0.00%	n/a	n/a	n/a	n/a
Alexandria Real Estate Equities Inc	ARE	0.07%	2.74%	0.00%	4.13%	0.00%
Delta Air Lines Inc	DAL	0.06%	n/a	n/a	-0.50%	0.00%
Jnited Airlines Holdings Inc	UAL	0.03%	n/a	n/a	-5.70%	0.00%
News Corp	NWS	0.01%	1.63%	0.00%	3.29%	0.00%
	CNC	0.15%	n/a	n/a	14.65%	0.02%
Centene Corp						
Martin Marietta Materials Inc	MLM	0.05%	1.12%	0.00%	10.66%	0.00%
PayPal Holdings Inc	PYPL	0.69%	n/a	n/a	20.39%	0.14%
Coty Inc	COTY	0.01%	n/a	n/a	-1.77%	0.00%
DISH Network Corp	DISH	0.04%	n/a	n/a	1.62%	0.00%
Dow Inc	DOW	0.11%	7.20%	0.01%	-10.32%	-0.01%
Alexion Pharmaceuticals Inc	ALXN	0.10%	n/a	n/a	11.09%	0.01%
Everest Re Group Ltd	RE	0.03%	3.19%	0.00%	10.00%	0.00%
News Corp	NWSA	0.02%	1.63%	0.00%	3.29%	0.00%
Exelon Corp	EXC	0.15%	3.93%	0.01%	0.77%	0.00%
Global Payments Inc	GPN	0.21%	0.43%	0.00%	17.56%	0.04%
Crown Castle International Corp	CCI	0.28%	2.74%	0.01%	17.63%	0.05%
Aptiv PLC	APTV	0.20%	n/a	n/a	9.46%	0.03%
Advance Auto Parts Inc	AAP	0.07 %	0.71%	0.00%	12.08%	0.00%
Align Technology Inc	ALGN	0.07%	n/a	n/a	10.75%	0.01%
Ilumina Inc	ILMN	0.21%	n/a	n/a	18.06%	0.04%
Alliance Data Systems Corp	ADS	0.01%	1.69%	0.00%	-4.44%	0.00%
.KQ Corp	LKQ	0.03%	n/a	n/a	2.60%	0.00%
Nielsen Holdings PLC	NLSN	0.02%	1.63%	0.00%	12.00%	0.00%
Garmin Ltd	GRMN	0.07%	2.69%	0.00%	6.35%	0.00%
Zoetis Inc	ZTS	0.25%	0.58%	0.00%	6.08%	0.02%
	EQIX	0.24%	1.49%	0.00%	18.80%	0.05%
Equinix Inc						
Equinix Inc Digital Realty Trust Inc				0.00%	15 80%	0 02%
Equinix Inc Digital Realty Trust Inc .as Vegas Sands Corp	DLR	0.15%	3.09% n/a	0.00% n/a	15.80% 9.10%	0.02% 0.01%

 Notes:

 [9] Equals sum of Col. [16]

 [10] Equals sum of Col. [18]

 [11] Equals ([9] x (1 + (0.5 x [10]))) + [10]

 [12] Source: Attachment AEB-Supplemental-6, at 1

 [13] Equals [11] - [12]

 [14] Equals [11] - [12]

 [15] Source: Bloomberg Professional, as of May 29, 2020

 [16] Equals [14] x [15]

 [17] Source: Bloomberg Professional, as of May 29, 2020

 [18] Equals [14] x [17]

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment AEB-Supplemental-7 July 16, 2020 Page 1 of 3

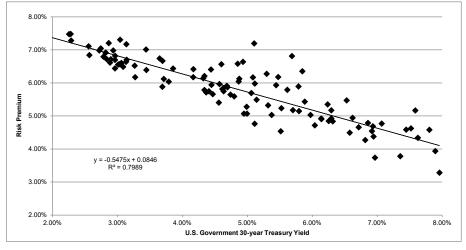
# BOND YIELD PLUS RISK PREMIUM

Average         Authorized         U.S. Govt.           Electric         30-year         Risk           ROE         Treasury         Premium           1992.1         12.38%         7.80%         4.58%           1992.2         11.83%         7.89%         3.93%           1992.3         12.03%         7.45%         4.59%           1993.1         11.84%         7.07%         4.77%           1993.2         11.64%         6.86%         4.79%           1993.3         11.15%         6.31%         4.84%           1993.4         11.04%         6.14%         4.90%           1994.1         11.07%         6.57%         4.49%           1994.3         12.75%         7.58%         5.17%           1995.3         11.36%         6.81%         4.37%           1995.4         11.58%         6.23%         5.35%           1995.3         11.37%         6.71%         4.66%           1995.4         11.58%         6.623%         4.94%           1995.4         11.66%         6.92%         4.54%           1997.2         11.62%         6.93%         4.68%           1997.3         12.00%	BON			
Authorized         U.S. Govt. ROE         Risk Treasury         Risk Premium           1992.1         12.38%         7.80%         4.58%           1992.2         11.83%         7.89%         3.93%           1992.4         12.14%         7.52%         4.62%           1993.1         11.84%         7.07%         4.77%           1993.2         11.64%         6.86%         4.79%           1993.4         11.04%         6.14%         4.90%           1994.3         12.75%         7.58%         5.17%           1994.4         11.24%         7.96%         3.28%           1995.1         11.96%         7.63%         4.34%           1995.3         11.37%         6.71%         4.66%           1995.4         11.58%         6.23%         5.35%           1996.2         11.66%         6.92%         4.54%           1996.3         10.70%         6.96%         3.74%           1997.1         11.06%         6.14%         4.92%           1997.2         11.62%         6.93%         4.68%           1997.3         12.00%         6.53%         5.47%           1997.4         11.06%         6.14%         4.92		[1] Average	[2]	[3]
ROE         Treasury         Premium           1992.1         12.38%         7.80%         4.58%           1992.3         12.03%         7.45%         4.59%           1992.4         12.14%         7.52%         4.62%           1993.1         11.84%         7.07%         4.77%           1993.3         11.15%         6.31%         4.84%           1993.4         11.04%         6.14%         4.90%           1994.2         11.13%         7.35%         3.78%           1994.3         12.75%         7.58%         5.17%           1995.1         11.96%         7.63%         4.34%           1995.2         11.32%         6.94%         4.37%           1995.3         11.37%         6.71%         4.66%           1995.4         11.58%         6.23%         5.35%           1996.1         11.46%         6.92%         4.54%           1997.2         11.62%         6.93%         4.68%           1997.3         12.00%         6.53%         5.47%           1997.4         11.06%         6.14%         4.92%           1997.1         11.06%         6.14%         4.92%           1997.3		Authorized		
1992.1         12.38%         7.80%         4.58%           1992.2         11.83%         7.89%         3.93%           1992.4         12.14%         7.52%         4.62%           1993.1         11.84%         7.07%         4.77%           1993.2         11.64%         6.86%         4.79%           1993.3         11.15%         6.31%         4.84%           1993.4         11.04%         6.14%         4.90%           1994.4         11.27%         7.58%         5.17%           1994.4         11.24%         7.96%         3.28%           1995.3         11.37%         6.71%         4.66%           1995.4         11.58%         6.23%         5.35%           1996.3         10.70%         6.96%         3.74%           1996.3         10.70%         6.96%         3.74%           1996.4         11.56%         6.62%         4.94%           1997.1         11.08%         6.14%         4.27%           1997.3         12.00%         6.53%         5.47%           1997.4         11.06%         6.14%         4.92%           1998.3         1.65%         5.47%         6.18%				
1992.211.83%7.89%3.93%1992.312.03%7.45%4.59%1992.412.14%7.07%4.77%1993.211.64%6.86%4.79%1993.311.15%6.31%4.84%1993.411.07%6.57%4.49%1994.211.13%7.35%3.78%1994.312.75%7.58%5.17%1994.411.24%7.96%3.28%1995.111.96%7.63%4.34%1995.211.32%6.94%4.37%1995.311.37%6.71%4.66%1995.411.46%6.29%5.17%1996.211.46%6.92%4.54%1996.310.70%6.96%3.74%1996.411.56%6.62%4.94%1997.211.62%6.93%4.68%1997.312.00%6.53%5.47%1997.411.06%6.14%4.92%1998.311.65%5.47%6.18%1998.412.30%5.10%7.20%1999.10.40%5.37%5.03%1999.210.94%5.79%5.15%1999.310.75%6.04%4.71%1999.411.10%6.25%4.85%2000.211.00%5.97%5.03%1998.311.65%5.47%6.18%1999.411.16%5.29%5.03%1998.412.50%5.03%5.43%1999.310.75%6.04%4.71%1999.411.10		NOL	Treasury	Fielillulli
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2006.2         10.63%         5.14%         5.49%           2006.3         10.06%         4.99%         5.07%           2006.4         10.39%         4.74%         5.65%           2007.1         10.39%         4.80%         5.59%           2007.2         10.27%         4.99%         5.28%           2007.3         10.02%         4.95%         5.07%           2007.4         10.43%         4.61%         5.81%           2008.1         10.15%         4.41%         5.75%           2008.2         10.54%         4.57%         5.97%           2008.3         10.38%         4.44%         5.94%           2008.4         10.39%         3.65%         6.74%           2009.1         10.45%         3.44%         7.01%				
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2007.2         10.27%         4.99%         5.28%           2007.3         10.02%         4.95%         5.07%           2007.4         10.43%         4.61%         5.81%           2008.1         10.15%         4.41%         5.75%           2008.2         10.54%         4.57%         5.97%           2008.3         10.38%         4.44%         5.94%           2008.4         10.39%         3.65%         6.74%           2009.1         10.45%         3.44%         7.01%				
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2011.1 9.96% 4.56% 5.40%	2011.1	9.96%	4.56%	5.40%
2011.2 10.12% 4.34% 5.78%	2011.2	10.12%	4.34%	5.78%

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# BOND YIELD PLUS RISK PREMIUM

	[1]	[2]	[3]
	Average		
	Authorized	U.S. Govt.	
	Electric	30-year	Risk
	ROE	Treasury	Premium
2011.3	10.36%	3.69%	6.67%
2011.4	10.34%	3.04%	7.31%
2012.1	10.30%	3.14%	7.17%
2012.2	9.92%	2.93%	6.98%
2012.3	9.78%	2.74%	7.04%
2012.4	10.07%	2.86%	7.21%
2013.1	9.77%	3.13%	6.64%
2013.2	9.84%	3.14%	6.70%
2013.3	9.83%	3.71%	6.12%
2013.4	9.82%	3.79%	6.04%
2014.1	9.57%	3.69%	5.88%
2014.2	9.83%	3.44%	6.39%
2014.3	9.79%	3.26%	6.52%
2014.4	9.78%	2.96%	6.81%
2015.1	9.66%	2.55%	7.11%
2015.2	9.50%	2.88%	6.61%
2015.3	9.40%	2.96%	6.44%
2015.4	9.65%	2.96%	6.69%
2016.1	9.70%	2.72%	6.98%
2016.2	9.41%	2.57%	6.84%
2016.3	9.76%	2.28%	7.48%
2016.4	9.55%	2.83%	6.72%
2017.1	9.61%	3.04%	6.57%
2017.2	9.61%	2.90%	6.71%
2017.3	9.73%	2.82%	6.91%
2017.4	9.74%	2.82%	6.92%
2018.1	9.59%	3.02%	6.57%
2018.2	9.57%	3.09%	6.49%
2018.3	9.66%	3.06%	6.60%
2018.4	9.44%	3.27%	6.17%
2019.1	9.57%	3.01%	6.56%
2019.2	9.58%	2.78%	6.79%
2019.3	9.57%	2.29%	7.28%
2019.4	9.73%	2.25%	7.48%
2020.1	9.45%	1.89%	7.56%
2020.2	9.58%	1.32%	8.26%
AVERAGE	10.61%	4.74%	5.87%
MEDIAN	10.45%	4.72%	5.94%



### SUMMARY OUTPUT

Multiple R	0.893811
R Square	0.798898
Adjusted R Square	0.797102
Standard Error	0.004346
Observations	114

	df	SS	MS	F	Significance F
Regression	1	0.008405	0.008405	444.930706	0.000000
Residual	112	0.002116	0.000019		
Total	113	0.010520			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0.0846	0.001297	65.26	0.000000	0.082067	0.087206	0.082067	0.087206
U.S. Govt. 30-year Treasury	(0.5475)	0.025955	(21.09)	0.000000	(0.598900)	(0.496048)	(0.598900)	(0.496048)

	[7]	[8]	[9]
	U.S. Govt.		
	30-year	Risk	
	Treasury	Premium	ROE
Current 30-Day Average [4]	1.33%	7.74%	9.06%
Blue Chip Consensus Forecast (Q3 2020 - Q3 2021) [5]	1.68%	7.54%	9.22%
Blue Chip Consensus Forecast (2022-2026) [6]	3.00%	6.82%	9.82%
AVERAGE			9.37%

Notes:

 Notes:

 [1] Source: Regulatory Research Associates, cases up until May 31, 2020.

 [2] Source: Bloomberg Professional, quarterly bond yields are the average of each trading day in the quarter

 [3] Equals Column [1] - Column [2]

 [4] Source: Bloomberg Professional, 30-day average as of May 29, 2020

 [5] Source: Blue Chip Financial Forecasts, Vol. 39, No. 6, June 1, 2020, at 2

 [6] Source: Blue Chip Financial Forecasts, Vol. 39, No. 6, June 1, 2020, at 14

 [7] Son arce to [4] [4] [4]

[7] See notes [4], [5] & [6] [8] Equals 0.084637 + (-0.547474 x Column [7]) [9] Equals Column [7] + Column [8]

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# BETA COEFFICIENT COMPARISON

		[1]	[2]	[3]
		Bloomberg as	Value Line as	Value Line as
Value Line Electric East		of May 29,	of May 15,	of February
		2020	2020	14, 2020
Avangrid, Inc.	AGR	0.73	0.80	0.40
Dominion Resources, Inc.	D	0.71	0.80	0.50
Duke Energy Corporation	DUK	0.72	0.85	0.45
Consolidated Edison, Inc.	ED	0.64	0.75	0.40
Eversource Energy	ES	0.81	0.90	0.55
Exelon Corporation	EXC	0.80	0.90	0.65
FirstEnergy Corporation	FE	0.80	0.85	0.60
NextEra Energy, Inc.	NEE	0.76	0.85	0.50
Public Service Enterprise Group, Inc.	PEG	0.83	0.90	0.60
PPL Corporation	PPL	0.89	1.05	0.65
Southern Company	SO	0.73	0.90	0.50
Mean		0.77	0.87	0.53

		[1]	[2]	[3]
		Bloomberg as	Value Line as	Value Line as
Value Line Electric Central		of May 29,	of June 12,	of March 13,
		2020	2020	2020
ALLETE, Inc.	ALE	0.82	0.85	0.60
Alliant Energy Corporation	LNT	0.81	0.80	0.55
Ameren Corporation	AEE	0.76	0.80	0.50
American Electric Power Company, Inc	AEP	0.77	0.75	0.50
CenterPoint Energy, Inc.	CNP	0.98	1.15	0.70
CMS Energy Corporation	CMS	0.77	0.80	0.50
DTE Energy Company	DTE	0.84	0.90	0.50
Entergy Corporation	ETR	0.84	0.95	0.60
Evergy, Inc.	EVRG	0.81	1.05	NMF
MGE Energy, Inc.	MGEE	0.68	0.70	0.50
OGE Energy Corporation	OGE	0.92	1.05	0.70
Otter Tail Corporation	OTTR	0.87	0.85	0.70
Wisconsin Energy Corporation	WEC	0.75	0.80	0.45
Mean		0.82	0.88	0.57

Notes:

[1] Source: Bloomberg Professional

[2] Source: Value Line

[3] Source: Value Line

#### ELECTRIC RATE CASE HISTORY FEBRUARY 2020 - June 2020

State	Company	Parent Company Ticker	Docket	Rate Case Service Type	Case Type	Date	Decision Type	Return on Equity (%)	Fully Litigated ROEs
California	PacifiCorp	BRK.A	A-18-04-002	Electric	Vertically Integrated	2/6/2020	Fully Litigated	10.00	10.00
Colorado	Public Service Co. of CO	XEL	D-19AL-0268E	Electric	Vertically Integrated	2/11/2020	Fully Litigated	9.30	9.30
Indiana	Duke Energy Indiana. LLC	DUK	Ca-45253	Electric	Vertically Integrated	6/29/2020	Fully Litigated	9.70	9.70
Indiana	Indiana Michigan Power Co.	AEP	Ca-45235	Electric	Vertically Integrated	3/11/2020	Fully Litigated	9.70	9.70
Kentucky	Duke Energy Kentucky Inc.	DUK	C-2019-00271	Electric	Vertically Integrated	4/27/2020	Fully Litigated	9.25	9.25
Massachusetts	Fitchburg Gas & Electric Light	UTL	DPU 19-130	Electric	Distribution	4/17/2020	Settled	9.70	
Michigan	DTE Electric Co.	DTE	C-U-20561	Electric	Vertically Integrated	5/8/2020	Fully Litigated	9.90	9.90
North Carolina	Virginia Electric & Power Co.	D	E-22, Sub 562	Electric	Vertically Integrated	2/24/2020	Settled	9.75	
New Hampshire	Liberty Utilities	AQN	DE 19-064	Electric	Distribution	6/30/2020	Settled	9.10	
New Mexico	Southwestern Public Service Co	XEL	C-19-00170-UT	Electric	Vertically Integrated	5/20/2020	Settled	9.45	
Texas	AEP Texas Inc.	AEP	D-49494	Electric	Distribution	2/27/2020	Settled	9.40	
Texas	CenterPoint Energy Houston	CNP	D-49421	Electric	Distribution	2/14/2020	Settled	9.40	
Washington	Avista Corp.	AVA	D-UE-190334	Electric	Vertically Integrated	3/25/2020	Settled	9.40	
MEAN					, <u> </u>			9.54	9.64
LOW								9.10	9.25
HIGH								10.00	10.00

Notes:

[1] Source: S&P Global Market Intelligence, NH Pubic Service Commission

[2] Excludes limited issue rider cases, transmission-only cases and cases that were silent with respect to the authorized ROE.
 [3] Excludes the Central Maine Power ROE of 8.25 percent authorized on February 19, 2020 in D-2018-00194 because it included a penalty of 100 basis points for management performance.

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## CAPITAL STRUCTURE ANALYSIS

COMMON EQUITY RATIO [1]										i ugo
Proxy Group Company	Ticker	2020Q1	2019Q4	2019Q3	2019Q2	2019Q1	2018Q4	2018Q3	2018Q2	Average
ALLETE, Inc.	ALE	58.34%	59.55%	59.30%	60.87%	60.78%	61.24%	60.33%	60.26%	60.08%
Alliant Energy Corporation	LNT	50.84%	49.95%	50.45%	49.61%	51.44%	51.27%	49.65%	49.68%	50.36%
Avangrid, Inc.	AGR	53.85%	54.71%	54.45%	56.37%	56.60%	56.10%	55.39%	53.42%	55.11%
FirstEnergy Corporation	FE	55.32%	55.52%	56.92%	56.36%	56.90%	57.42%	58.23%	57.00%	56.71%
Hawaiian Electric Industries, Inc.	HE	53.27%	53.72%	53.65%	52.46%	53.67%	57.55%	54.69%	54.28%	54.16%
NorthWestern Corporation	NWE	47.78%	47.59%	47.80%	48.07%	48.74%	47.88%	48.36%	48.41%	48.08%
Portland General Electric Company	POR	49.90%	49.85%	51.78%	51.39%	50.60%	50.19%	50.51%	50.29%	50.56%
PPL Corporation	PPL	53.07%	52.89%	53.64%	53.02%	53.47%	53.35%	53.91%	53.53%	53.36%
MEAN		52.80%	52.97%	53.50%	53.52%	54.02%	54.37%	53.88%	53.36%	53.55%
LOW		47.78%	47.59%	47.80%	48.07%	48.74%	47.88%	48.36%	48.41%	48.08%
HIGH		58.34%	59.55%	59.30%	60.87%	60.78%	61.24%	60.33%	60.26%	60.08%

## COMMON EQUITY RATIO - UTILITY OPERATING COMPANIES [2]

Company Name		2020Q1	2019Q4	2019Q3	2019Q2	2019Q1	2018Q4	2018Q3	2018Q2	Average
ALLETE (Minnesota Power)	ALE	58.32%	59.59%	59.33%	60.94%	60.87%	61.39%	60.43%	60.33%	60.15%
Superior Water, Light and Power Company	ALE	59.14%	58.08%	58.03%	58.38%	57.40%	55.76%	56.58%	57.34%	57.59%
Interstate Power and Light Company	LNT	49.75%	48.74%	48.56%	50.11%	51.59%	51.26%	47.96%	48.62%	49.57%
Wisconsin Power and Light Company	LNT	52.41%	51.71%	53.30%	48.92%	51.22%	51.29%	52.04%	51.09%	51.50%
Central Maine Power Company	AGR	61.15%	62.49%	62.18%	61.95%	63.24%	63.20%	62.83%	62.27%	62.41%
New York State Electric & Gas Corporation	AGR	47.00%	47.80%	48.79%	54.16%	54.41%	53.50%	53.68%	49.19%	51.07%
Rochester Gas and Electric Corporation	AGR	51.13%	50.44%	50.50%	50.25%	49.96%	48.89%	48.16%	47.78%	49.64%
United Illuminating Company	AGR	56.17%	57.63%	54.98%	57.26%	56.65%	56.46%	53.89%	51.64%	55.58%
Cleveland Electric Illuminating Company	FE	53.20%	53.53%	54.73%	53.49%	54.32%	55.19%	56.50%	56.27%	54.66%
Jersey Central Power & Light Company	FE	66.46%	66.87%	68.02%	66.58%	67.05%	67.54%	66.41%	64.90%	66.73%
Metropolitan Edison Company	FE	48.37%	48.00%	49.72%	48.46%	47.78%	50.71%	52.40%	50.43%	49.48%
Monongahela Power Company	FE	46.21%	45.77%	47.85%	46.55%	47.19%	46.68%	50.71%	49.50%	47.56%
Ohio Edison Company	FE	67.66%	66.77%	69.16%	71.42%	70.82%	69.93%	69.14%	67.33%	69.03%
Pennsylvania Electric Company	FE	49.83%	50.37%	51.78%	50.93%	51.73%	52.81%	52.71%	52.77%	51.62%
Pennsylvania Power Company	FE	47.07%	47.34%	53.09%	51.71%	50.69%	49.03%	57.01%	54.79%	51.34%
Potomac Edison Company	FE	51.06%	53.03%	52.89%	52.61%	53.29%	52.35%	52.92%	52.65%	52.60%
Toledo Edison Company	FE	57.83%	57.58%	60.76%	59.71%	60.78%	60.39%	62.25%	60.71%	60.00%
West Penn Power Company	FE	46.73%	47.64%	45.50%	46.25%	48.64%	49.75%	50.13%	48.01%	47.83%
Hawaiian Electric Company, Inc.	HE	53.27%	53.72%	53.65%	52.46%	53.67%	57.55%	54.69%	54.28%	54.16%
NorthWestern Corporation	NWE	47.78%	47.59%	47.80%	48.07%	48.74%	47.88%	48.36%	48.41%	48.08%
Portland General Electric Company	POR	49.90%	49.85%	51.78%	51.39%	50.60%	50.19%	50.51%	50.29%	50.56%
Kentucky Utilities Company	PPL	52.25%	51.54%	52.95%	52.81%	53.08%	52.46%	53.43%	53.13%	52.71%
Louisville Gas and Electric Company	PPL	52.61%	51.25%	52.91%	52.73%	52.75%	52.26%	53.06%	52.59%	52.52%
PPL Electric Utilities Corporation	PPL	53.85%	54.62%	54.44%	53.31%	54.13%	54.52%	54.65%	54.28%	54.23%

# Notes:

[1] Ratios are weighted by actual common capital, preferred capital, long-term debt and short-term debt of Operating Subsidiaries.
 [2] Natural Gas and Electric Operating Subsidiaries with data listed as N/A from SNL Financial have been excluded from the analysis.

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## CAPITAL STRUCTURE ANALYSIS

										Pag
		L	ONG-TERM	/ DEBT RA	TIO [1]					
Proxy Group Company	Ticker	2020Q1	2019Q4	2019Q3	2019Q2	2019Q1	2018Q4	2018Q3	2018Q2	Average
ALLETE, Inc.	ALE	41.66%	40.45%	40.70%	39.13%	39.19%	38.71%	39.67%	39.74%	39.91%
Alliant Energy Corporation	LNT	45.77%	46.72%	47.67%	48.46%	45.24%	45.15%	47.92%	47.87%	46.85%
Avangrid, Inc.	AGR	42.96%	44.29%	45.17%	42.78%	42.50%	43.48%	42.35%	42.95%	43.31%
FirstEnergy Corporation	FE	42.68%	43.07%	41.87%	41.13%	40.59%	40.06%	39.67%	39.61%	41.08%
Hawaiian Electric Industries, Inc.	HE	44.12%	43.94%	43.33%	43.23%	44.80%	41.71%	42.81%	43.03%	43.37%
NorthWestern Corporation	NWE	52.22%	52.41%	52.20%	51.93%	51.26%	52.12%	51.64%	51.59%	51.92%
Portland General Electric Company	POR	49.73%	50.15%	48.22%	48.27%	49.40%	49.81%	49.49%	49.71%	49.35%
PPL Corporation	PPL	44.81%	45.09%	45.83%	45.46%	43.43%	43.79%	44.38%	44.67%	44.68%
MEAN		45.49%	45.77%	45.62%	45.05%	44.55%	44.35%	44.74%	44.90%	45.06%
LOW		41.66%	40.45%	40.70%	39.13%	39.19%	38.71%	39.67%	39.61%	39.91%
HIGH		52.22%	52.41%	52.20%	51.93%	51.26%	52.12%	51.64%	51.59%	51.92%
LC	ONG-TE	RM DEBT	RATIO - U	TILITY OPE	RATING C	OMPANIES	[2]			
Company Name	Ticker	2020Q1	2019Q4	2019Q3	2019Q2	2019Q1	2018Q4	2018Q3	2018Q2	Average
ALLETE (Minnesota Power)	ALE	41.68%	40.41%	40.67%	39.06%	39.13%	38.61%	39.57%	39.67%	39.85%
Superior Water, Light and Power Company	ALE	40.86%	41.92%	41.97%	41.62%	41.24%	42.31%	43.42%	42.66%	42.00%
Interstate Power and Light Company	LNT	47.32%	48.28%	48.44%	46.70%	45.13%	44.51%	48.66%	47.72%	47.10%
Wisconsin Power and Light Company	LNT	43.52%	44.45%	46.51%	50.90%	45.38%	46.04%	46.85%	48.08%	46.47%
Central Maine Power Company	AGR	36.83%	37.50%	37.81%	38.03%	36.33%	36.78%	35.08%	35.75%	36.76%
New York State Electric & Gas Corporation	AGR	47.28%	49.88%	51.21%	42.84%	42.88%	45.02%	45.82%	47.28%	46.52%
Rochester Gas and Electric Corporation	AGR	46 74%	48 05%	49 50%	49 75%	50 04%	51 11%	51 84%	52 24%	49 91%

Rochester Gas and Electric Corporation	AGR	46.74%	48.05%	49.50%	49.75%	50.04%	51.11%	51.84%	52.24%	49.91%
United Illuminating Company	AGR	41.64%	42.37%	43.10%	42.74%	43.35%	43.54%	38.67%	38.27%	41.71%
Cleveland Electric Illuminating Company	FE	42.54%	43.50%	43.46%	42.90%	43.47%	44.36%	43.50%	43.67%	43.43%
Jersey Central Power & Light Company	FE	30.93%	30.99%	30.93%	30.99%	31.43%	29.70%	29.37%	29.42%	30.47%
Metropolitan Edison Company	FE	51.63%	52.00%	50.28%	51.54%	52.22%	44.59%	44.18%	44.54%	48.87%
Monongahela Power Company	FE	53.79%	52.97%	47.90%	48.32%	49.02%	48.85%	49.29%	46.55%	49.59%
Ohio Edison Company	FE	32.34%	33.23%	30.84%	28.58%	29.18%	30.07%	30.86%	32.67%	30.97%
Pennsylvania Electric Company	FE	50.17%	49.63%	48.22%	49.07%	44.33%	45.19%	44.88%	45.13%	47.08%
Pennsylvania Power Company	FE	48.00%	49.68%	46.91%	48.29%	49.31%	50.97%	40.83%	41.53%	46.94%
Potomac Edison Company	FE	42.61%	44.62%	45.63%	46.67%	46.71%	47.65%	47.08%	47.35%	46.04%
Toledo Edison Company	FE	38.43%	38.80%	39.24%	38.87%	39.22%	39.55%	37.75%	36.82%	38.59%
West Penn Power Company	FE	50.73%	52.26%	53.18%	45.10%	40.31%	43.23%	44.20%	44.16%	46.65%
Hawaiian Electric Company, Inc.	HE	44.12%	43.94%	43.33%	43.23%	44.80%	41.71%	42.81%	43.03%	43.37%
NorthWestern Corporation	NWE	52.22%	52.41%	52.20%	51.93%	51.26%	52.12%	51.64%	51.59%	51.92%
Portland General Electric Company	POR	49.73%	50.15%	48.22%	48.27%	49.40%	49.81%	49.49%	49.71%	49.35%
Kentucky Utilities Company	PPL	45.27%	45.85%	47.02%	47.19%	42.66%	43.19%	44.15%	44.34%	44.96%
Louisville Gas and Electric Company	PPL	43.51%	43.61%	44.89%	45.13%	41.17%	41.39%	42.80%	43.08%	43.20%
PPL Electric Utilities Corporation	PPL	45.19%	45.38%	45.56%	44.48%	45.15%	45.48%	45.35%	45.72%	45.29%

Notes:

Ratios are weighted by actual common capital, preferred capital, long-term debt and short-term debt of Operating Subsidiaries.
 Natural Gas and Electric Operating Subsidiaries with data listed as N/A from SNL Financial have been excluded from the analysis.

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment AEB-Supplemental-10 July 16, 2020 Page 3 of 4

### CAPITAL STRUCTURE ANALYSIS

			PF	REFERRED		TIO [1]					
	Proxy Group Company	Ticker	2020Q1	2019Q4	2019Q3	2019Q2	2019Q1	2018Q4	2018Q3	2018Q2	Average
	ALLETE, Inc.	ALE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Alliant Energy Corporation	LNT	1.74%	1.77%	1.80%	1.85%	1.92%	1.97%	1.98%	2.10%	1.89%
	Avangrid, Inc.	AGR	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
	FirstEnergy Corporation	FE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Hawaiian Electric Industries, Inc.	HE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	NorthWestern Corporation	NWE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Portland General Electric Company	POR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	PPL Corporation	PPL	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	MEAN		0.22%	0.22%	0.23%	0.23%	0.24%	0.25%	0.25%	0.26%	0.24%
	LOW		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	HIGH		1.74%	1.77%	1.80%	1.85%	1.92%	1.97%	1.98%	2.10%	1.89%
PREFERRED EQUITY RATIO - UTILITY OPERATING COMPANIES [2]											
	Company Name	Ticker	2020Q1	2019Q4	2019Q3	2019Q2	2019Q1	2018Q4	2018Q3	2018Q2	Average
	ALLETE (Minnesota Power)	ALE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Superior Water, Light and Power Company	ALE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Interstate Power and Light Company	LNT	2.93%	2.98%	2.99%	3.18%	3.28%	3.38%	3.37%	3.66%	3.22%
	Wisconsin Power and Light Company	LNT	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Central Maine Power Company	AGR	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%
	New York State Electric & Gas Corporation	AGR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Rochester Gas and Electric Corporation	AGR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	United Illuminating Company	AGR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Cleveland Electric Illuminating Company	FE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Jersey Central Power & Light Company	FE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Metropolitan Edison Company	FE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Monongahela Power Company	FE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Ohio Edison Company	FE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Pennsylvania Electric Company	FE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
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Notes:

Pennsylvania Power Company

Hawaiian Electric Company, Inc.

Portland General Electric Company

Louisville Gas and Electric Company

PPL Electric Utilities Corporation

Potomac Edison Company

NorthWestern Corporation

Kentucky Utilities Company

Toledo Edison Company West Penn Power Company

[1] Ratios are weighted by actual common capital, preferred capital, long-term debt and short-term debt of Operating Subsidiaries.

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[2] Natural Gas and Electric Operating Subsidiaries with data listed as N/A from SNL Financial have been excluded from the analysis.

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment AEB-Supplemental-10 July 16, 2020 Page 4 of 4

# CAPITAL STRUCTURE ANALYSIS

		21	HORT-TERM							i ugo i v
Proxy Group Company	Ticker	2020Q1	2019Q4	2019Q3	2019Q2	2019Q1	2018Q4	2018Q3	2018Q2	Average
ALLETE, Inc.	ALE	0.00%	0.00%	0.00%	0.00%	0.04%	0.05%	0.00%	0.00%	0.01%
Alliant Energy Corporation	LNT	1.66%	1.56%	0.08%	0.08%	1.41%	1.61%	0.45%	0.35%	0.90%
Avangrid, Inc.	AGR	3.18%	1.00%	0.38%	0.85%	0.90%	0.42%	2.26%	3.62%	1.58%
FirstEnergy Corporation	FE	2.00%	1.41%	1.21%	2.51%	2.51%	2.52%	2.11%	3.40%	2.21%
Hawaiian Electric Industries, Inc.	HE	2.60%	2.33%	3.02%	4.31%	1.53%	0.73%	2.50%	2.69%	2.47%
NorthWestern Corporation	NWE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Portland General Electric Company	POR	0.38%	0.00%	0.00%	0.34%	0.00%	0.00%	0.00%	0.00%	0.09%
PPL Corporation	PPL	2.11%	2.02%	0.53%	1.52%	3.10%	2.86%	1.71%	1.79%	1.96%
MEAN		1.49%	1.04%	0.65%	1.20%	1.19%	1.02%	1.13%	1.48%	1.15%
LOW		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HIGH		3.18%	2.33%	3.02%	4.31%	3.10%	2.86%	2.50%	3.62%	2.47%
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Company Name	Ticker	2020Q1	2019Q4	2019Q3	2019Q2	2019Q1	2018Q4	2018Q3	2018Q2	Average
ALLETE (Minnesota Power)	ALE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Superior Water, Light and Power Company	ALE	0.00%	0.00%	0.00%	0.00%	1.36%	1.93%	0.00%	0.00%	0.41%
Interstate Power and Light Company	LNT	0.00%	0.00%	0.00%	0.00%	0.00%	0.85%	0.00%	0.00%	0.11%

interstate i ower and Light Company		0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.1170
Wisconsin Power and Light Company	LNT	4.07%	3.84%	0.19%	0.18%	3.40%	2.67%	1.10%	0.83%	2.04%
Central Maine Power Company	AGR	2.01%	0.00%	0.00%	0.00%	0.41%	0.00%	2.08%	1.96%	0.81%
New York State Electric & Gas Corporation	AGR	5.72%	2.31%	0.00%	2.99%	2.71%	1.49%	0.50%	3.53%	2.41%
Rochester Gas and Electric Corporation	AGR	2.14%	1.52%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.02%	0.45%
United Illuminating Company	AGR	2.19%	0.00%	1.92%	0.00%	0.00%	0.00%	7.44%	10.09%	2.71%
Cleveland Electric Illuminating Company	FE	4.26%	2.97%	1.81%	3.60%	2.21%	0.44%	0.00%	0.06%	1.92%
Jersey Central Power & Light Company	FE	2.61%	2.14%	1.05%	2.43%	1.52%	2.75%	4.22%	5.67%	2.80%
Metropolitan Edison Company	FE	0.00%	0.00%	0.00%	0.00%	0.00%	4.69%	3.43%	5.03%	1.64%
Monongahela Power Company	FE	0.00%	1.26%	4.25%	5.13%	3.78%	4.47%	0.00%	3.95%	2.86%
Ohio Edison Company	FE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pennsylvania Electric Company	FE	0.00%	0.00%	0.00%	0.00%	3.94%	2.01%	2.41%	2.10%	1.31%
Pennsylvania Power Company	FE	4.93%	2.98%	0.00%	0.00%	0.00%	0.00%	2.16%	3.68%	1.72%
Potomac Edison Company	FE	6.32%	2.34%	1.48%	0.73%	0.00%	0.00%	0.00%	0.00%	1.36%
Toledo Edison Company	FE	3.74%	3.62%	0.00%	1.42%	0.00%	0.06%	0.00%	2.47%	1.41%
West Penn Power Company	FE	2.54%	0.10%	1.31%	8.65%	11.05%	7.02%	5.66%	7.83%	5.52%
Hawaiian Electric Company, Inc.	HE	2.60%	2.33%	3.02%	4.31%	1.53%	0.73%	2.50%	2.69%	2.47%
NorthWestern Corporation	NWE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Portland General Electric Company	POR	0.38%	0.00%	0.00%	0.34%	0.00%	0.00%	0.00%	0.00%	0.09%
Kentucky Utilities Company	PPL	2.47%	2.60%	0.04%	0.00%	4.26%	4.35%	2.42%	2.53%	2.33%
Louisville Gas and Electric Company	PPL	3.87%	5.15%	2.20%	2.14%	6.08%	6.35%	4.14%	4.33%	4.28%
PPL Electric Utilities Corporation	PPL	0.96%	0.00%	0.00%	2.21%	0.73%	0.00%	0.00%	0.00%	0.49%

Notes:

Ratios are weighted by actual common capital, preferred capital, long-term debt and short-term debt of Operating Subsidiaries.
 Natural Gas and Electric Operating Subsidiaries with data listed as N/A from SNL Financial have been excluded from the analysis.