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 RESULTS¹

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%

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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%

	0.1.1.2/11/2/11/2/10/					
		[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

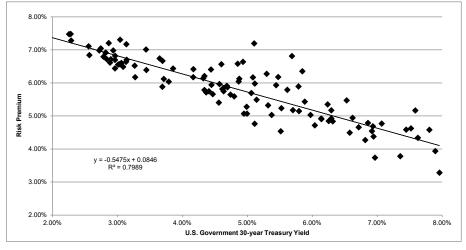
BOND YIELD PLUS RISK PREMIUM

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			
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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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2008.410.39%3.65%6.74%2009.110.45%3.44%7.01%				
	2008.4	10.39%	3.65%	6.74%
ZUUMZ 10.58% 417% 679%				
2009.2 10.38% 4.17% 0.42% 2009.3 10.46% 4.32% 6.14%		10.58% 10.46%		
2009.4 10.54% 4.34% 6.21%				
2010.1 10.45% 4.62% 5.82%				
2010.2 10.08% 4.36% 5.71% 2010.3 10.29% 3.86% 6.43%				
2010.3 10.29% 3.80% 0.43% 2010.4 10.34% 4.17% 6.17%				
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.

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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

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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:

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