STATE ALLOWED ROEs

Exhibit AMM-13 Page 1 of 1

BERRY PROXY GROUP

		(a)							
		Allowed							
	Company	ROE							
1	Atmos Energy Corp.	9.90%							
2	Chesapeake Utilities	10.50%							
3	New Jersey Resources	9.60%							
4	Nisource Inc.	10.02%							
5	Northwest Natural Gas	9.75%							
6	ONE Gas, Inc.	9.50%							
7	South Jersey Industries	9.60%							
8	Southwest Gas	9.53%							
9	Spire Inc.	9.80%							
	Range of Reasonableness	9.50% 10.50%							
	Midpoint	10.00%							
	Average	9.80%							

⁽a) Regulatory Research Associates, "Major Rate Case Decisions" (through June 20, 2020).

ROE ANALYSES

SUMMARY OF UPDATED RESULTS

Recommended ROE Range

Method	Average	Midpoint					
DCF							
Value Line	10.5%	10.9%					
IBES	9.0%	9.3%					
Zacks	9.1%	8.8%					
Internal $br + sv$	10.4%	11.1%					
<u>CAPM</u>							
Current Bond Yield	10.9%	11.4%					
Projected Bond Yield	11.1%	11.5%					
Empirical CAPM							
Current Bond Yield	11.3%	11.7%					
Projected Bond Yield	11.4%	11.7%					
Utility Risk Premium							
Current Bond Yields	9	0.4%					
Projected Bond Yield	10	0.1%					
Expected Earnings	9.9%	9.9%					
Cost of Equity Recommendation							
Cost of Equity Range	9.5%	10.7%					
Flotation Cost Adjustment							
Dividend Yield	3	6.6%					
Flotation Cost Percentage	<u>2</u>	2.9%					
Adjustment	0.10%						

9.6%

10.8%

DIVIDEND YIELD

		(a)	(b)	
	Company	Price	Dividends	Yield
1	Atmos Energy Corp.	\$ 101.25	\$ 2.46	2.4%
2	Chesapeake Utilities	\$ 82.97	\$ 1.80	2.2%
3	New Jersey Resources	\$ 31.03	\$ 1.25	4.0%
4	NiSource Inc.	\$ 23.20	\$ 0.84	3.6%
5	Northwest Natural	\$ 51.93	\$ 1.91	3.7%
6	ONE Gas, Inc.	\$ 74.29	\$ 2.28	3.1%
7	South Jersey Industries	\$ 22.83	\$ 1.23	5.4%
8	Southwest Gas	\$ 66.76	\$ 2.31	3.5%
9	Spire Inc.	\$ 59.18	\$ 2.58	4.4%
	Average			3.6%

⁽a) Average of closing prices for 30 trading days ended Sep. 11, 2020.

⁽b) The Value Line Investment Survey, Summary & Index (Sep. 11, 2020).

GROWTH RATES

		(a)	(b)	(c)	(d)					
		Ea	Earnings Growth							
	Company	V Line	<u>IBES</u>	Zacks	Growth					
1	Atmos Energy Corp.	7.00%	7.25%	7.26%	9.49%					
2	Chesapeake Utilities	9.00%	4.74%	n/a	11.22%					
3	New Jersey Resources	2.00%	6.00%	6.00%	4.64%					
4	NiSource Inc.	13.00%	1.81%	5.70%	5.89%					
5	Northwest Natural	24.50%	3.90%	3.91%	4.24%					
6	ONE Gas, Inc.	6.50%	5.00%	5.50%	4.81%					
7	South Jersey Industries	12.50%	10.70%	10.68%	9.02%					
8	Southwest Gas	9.00%	8.20%	6.00%	8.32%					
9	Spire Inc.	5.50%	4.71%	4.82%	3.82%					

⁽a) The Value Line Investment Survey (Aug. 28, 2020).

⁽b) www.finance.yahoo.com (retrieved Aug. 20, 2020).

⁽c) www.zacks.com (retrieved Aug. 20, 2020).

⁽d) See Exhibit AMM-16.

DCF MODEL - GAS GROUP

DCF COST OF EQUITY ESTIMATES

		(a)	(a)	(a)	(a)
		Ea	rnings Gr	owth	br+sv
	Company	V Line	IBES	Zacks	Growth
1	Atmos Energy Corp.	9.4%	9.7%	9.7%	11.9%
2	Chesapeake Utilities	11.2%	6.9%	n/a	13.4%
3	New Jersey Resources	6.0%	10.0%	10.0%	8.7%
4	NiSource Inc.	16.6%	5.4%	9.3%	9.5%
5	Northwest Natural	28.2%	7.6%	7.6%	7.9%
6	ONE Gas, Inc.	9.6%	8.1%	8.6%	7.9%
7	South Jersey Industries	17.9%	16.1%	16.1%	14.4%
8	Southwest Gas	12.5%	11.7%	9.5%	11.8%
9	Spire Inc.	9.9%	9.1%	9.2%	8.2%
	Average (b)	10.5%	9.0%	9.1%	10.4%
	Midpoint (b,c)	10.9%	9.3%	8.8%	11.1%

⁽a) Sum of dividend yield (Exhibit AMM-15, p. 1) and respective growth rate (Exhibit AMM-15, p. 2).

⁽b) Excludes highlighted figures.

⁽c) Average of low and high values.

SUSTAINABLE GROWTH RATE

		(a)	(a)	(a)			(b)	(c)		(d)	(e)		
			2024				Adjustmen	t	_	''s	v" Factor	r	
	Company	EPS	DPS	BVPS	<u>b</u>	<u>r</u>	Factor	Adjusted r	<u>br</u>	S	<u>v</u>	SV	br + sv
1	Atmos Energy Corp.	\$6.00	\$3.00	\$66.20	50.0%	9.1%	1.0512	9.5%	4.8%	0.0870	0.5434	4.73%	9.5%
2	Chesapeake Utilities	\$5.50	\$2.30	\$56.90	58.2%	9.7%	1.0704	10.3%	6.0%	0.0925	0.5623	5.20%	11.2%
3	New Jersey Resources	\$2.40	\$1.57	\$25.80	34.6%	9.3%	1.0512	9.8%	3.4%	0.0353	0.3550	1.25%	4.6%
4	NiSource Inc.	\$2.05	\$1.16	\$16.20	43.4%	12.7%	1.0404	13.2%	5.7%	0.0032	0.5371	0.17%	5.9%
5	Northwest Natural	\$3.20	\$1.97	\$38.40	38.4%	8.3%	1.0101	8.4%	3.2%	0.0199	0.5045	1.00%	4.2%
6	ONE Gas, Inc.	\$4.75	\$2.80	\$54.10	41.1%	8.8%	1.0335	9.1%	3.7%	0.0192	0.5672	1.09%	4.8%
7	South Jersey Industries	\$2.50	\$1.40	\$20.45	44.0%	12.2%	1.0458	12.8%	5.6%	0.0695	0.4888	3.39%	9.0%
8	Southwest Gas	\$6.25	\$2.65	\$61.15	57.6%	10.2%	1.0464	10.7%	6.2%	0.0555	0.3885	2.16%	8.3%
9	Spire Inc.	\$5.15	\$3.00	\$72.00	41.7%	7.2%	1.0442	7.5%	3.1%	0.0224	0.3143	0.70%	3.8%

SUSTAINABLE GROWTH RATE

		(a)	(a)	(a)	(a)	(f)	(g)	(a)	(a)		(h)	(a)	(a)	(g)	
		20	2019		2024		Chg		2023 Price	e		Con	Common Shares		
	Company	Eq Ratio	Tot Cap	Eq Ratio	Tot Cap	Com Eq	Equity	<u>High</u>	Low	Avg.	M/B	2019	<u>2024</u>	Growth	
1	Atmos Energy Corp.	62.0%	\$9,280	60.0%	\$16,000	\$9,600	10.8%	\$160.00	\$130.00	\$145.00	2.190	119.34	145.00	3.97%	
2	Chesapeake Utilities	56.1%	\$1,002	65.0%	\$1,750	\$1,138	15.1%	\$150.00	\$110.00	\$130.00	2.285	16.40	20.00	4.05%	
3	New Jersey Resources	50.2%	\$3,089	56.5%	\$4,580	\$2,588	10.8%	\$45.00	\$35.00	\$40.00	1.550	89.34	100.00	2.28%	
4	NiSource Inc.	36.9%	\$13,843	45.0%	\$17,005	\$7,652	8.4%	\$40.00	\$30.00	\$35.00	2.160	382.14	385.00	0.15%	
5	Northwest Natural	51.8%	\$1,672	52.5%	\$1,825	\$958	2.0%	\$85.00	\$70.00	\$77.50	2.018	30.47	32.00	0.98%	
6	ONE Gas, Inc.	62.3%	\$3,416	62.0%	\$4,800	\$2,976	6.9%	\$145.00	\$105.00	\$125.00	2.311	52.77	55.00	0.83%	
7	South Jersey Industries	40.8%	\$3,494	41.0%	\$5,500	\$2,255	9.6%	\$45.00	\$35.00	\$40.00	1.956	92.39	110.00	3.55%	
8	Southwest Gas	52.1%	\$4,806	55.5%	\$7,175	\$3,982	9.7%	\$120.00	\$80.00	\$100.00	1.635	55.01	65.00	3.39%	
9	Spire Inc.	55.0%	\$4,626	55.0%	\$7,200	\$3,960	9.3%	\$120.00	\$90.00	\$105.00	1.458	50.97	55.00	1.53%	

- (a) The Value Line Investment Survey (Aug. 28, 2020).
- (b) Computed using the formula 2*(1+5-Yr. Change in Equity)/(2+5 Yr. Change in Equity).
- (c) Product of average year-end "r" for 2024 and Adjustment Factor.
- (d) Product of change in common shares outstanding and M/B Ratio.
- (e) Computed as 1 B/M Ratio.
- (f) Product of total capital and equity ratio.
- (g) Five-year rate of change.
- (h) Average of High and Low expected market prices divided by 2024 BVPS.

		(a) (b)			(c)		(d)		(d)		
		Mark	ket Returi	$n(R_m)$							
		Div	Proj.	Cost of	Risk-Free	Risk		Unadjusted	Market	Size	CAPM
	Company	Yield	Growth	Equity	Rate	Premium	Beta	$\mathbf{K}_{\mathbf{e}}$	Cap	Adjustment	Result
1	Atmos Energy Corp.	2.2%	9.2%	11.4%	1.4%	10.0%	0.80	9.4%	\$12,800	0.73%	10.1%
2	Chesapeake Utilities	2.2%	9.2%	11.4%	1.4%	10.0%	0.75	8.9%	\$1,400	1.47%	10.3%
3	New Jersey Resources	2.2%	9.2%	11.4%	1.4%	10.0%	0.90	10.4%	\$3,100	1.10%	11.5%
4	NiSource Inc.	2.2%	9.2%	11.4%	1.4%	10.0%	0.85	9.9%	\$9,200	0.73%	10.6%
5	Northwest Natural	2.2%	9.2%	11.4%	1.4%	10.0%	0.80	9.4%	\$1,600	1.47%	10.8%
6	ONE Gas, Inc.	2.2%	9.2%	11.4%	1.4%	10.0%	0.80	9.4%	\$4,000	1.10%	10.5%
7	South Jersey Industries	2.2%	9.2%	11.4%	1.4%	10.0%	1.00	11.4%	\$2,400	1.34%	12.7%
8	Southwest Gas	2.2%	9.2%	11.4%	1.4%	10.0%	0.90	10.4%	\$3,900	1.10%	11.5%
9	Spire Inc.	2.2%	9.2%	11.4%	1.4%	10.0%	0.80	9.4%	\$3,100	1.10%	10.5%
	Average									•	10.9%
	Midpoint (f)										11.4%

- (a) Weighted average for dividend-paying stocks in the S&P 500 based on data from www.valueline.com (retrieved Sep. 6, 2020).
- (b) Average of weighted average earnings growth rates from IBES, Zacks, and Value Line for dividend-paying stocks in the S&P 500 based on data from www.valueline.com (retrieved Sep. 6, 2020). Dividend paying components of S&P 500 index from zacks.com (retrieved Sep. 6, 2020). Eliminated Yahoo growth values that were negative or greater than 20% and unable to be verified by Thomson Reuters/Verus.
- (c) Average yield on 30-year Treasury bonds for the six-months ending Aug. 2020 based on data from https://fred.stlouisfed.org/.
- (d) The Value Line Investment Survey (Aug. 28, 2020).
- (e) Duff & Phelps, 2020 CRSP Deciles Size Study -- Supplementary Data Exhibits, Cost of Capital Navigator.
- (f) Average of low and high values.

		(a) (b)			(c)		(d)	(d)		(e)	
		Mark	ket Retur	$n(R_m)$							
		Div	Proj.	Cost of	Risk-Free	Risk		Unadjusted	Market	Size	CAPM
	Company	Yield	Growth	Equity	Rate	Premium	Beta	$\mathbf{K}_{\mathbf{e}}$	Cap	Adjustment	Result
1	Atmos Energy Corp.	2.2%	9.2%	11.4%	2.2%	9.2%	0.80	9.5%	\$12,800	0.73%	10.3%
2	Chesapeake Utilities	2.2%	9.2%	11.4%	2.2%	9.2%	0.75	9.1%	\$1,400	1.47%	10.5%
3	New Jersey Resources	2.2%	9.2%	11.4%	2.2%	9.2%	0.90	10.5%	\$3,100	1.10%	11.6%
4	NiSource Inc.	2.2%	9.2%	11.4%	2.2%	9.2%	0.85	10.0%	\$9,200	0.73%	10.7%
5	Northwest Natural	2.2%	9.2%	11.4%	2.2%	9.2%	0.80	9.5%	\$1,600	1.47%	11.0%
6	ONE Gas, Inc.	2.2%	9.2%	11.4%	2.2%	9.2%	0.80	9.5%	\$4,000	1.10%	10.6%
7	South Jersey Industries	2.2%	9.2%	11.4%	2.2%	9.2%	1.00	11.4%	\$2,400	1.34%	12.7%
8	Southwest Gas	2.2%	9.2%	11.4%	2.2%	9.2%	0.90	10.5%	\$3,900	1.10%	11.6%
9	Spire Inc.	2.2%	9.2%	11.4%	2.2%	9.2%	0.80	9.5%	\$3,100	1.10%	10.6%
	Average									•	11.1%
	Midpoint (f)										11.5%

- (a) Weighted average for dividend-paying stocks in the S&P 500 based on data from www.valueline.com (retrieved Sep. 6, 2020).
- (b) Average of weighted average earnings growth rates from IBES, Zacks, and Value Line for dividend-paying stocks in the S&P 500 based on data from www.valueline.com (retrieved Sep. 6, 2020). Dividend paying components of S&P 500 index from zacks.com (retrieved Sep. 6, 2020). Eliminated Yahoo growth values that were negative or greater than 20% and unable to be verified by Thomson Reuters/Verus.
- (c) Average yield on 30-year Treasury bonds for 2021-25 based on data from the Value Line Investment Survey, Forecast for the U.S. Economy (Aug. 28, 2020); IHS Markit, Long-Term Macro Forecast Baseline (June 29, 2020); & Wolters Kluwer, Blue Chip Financial Forecasts (Jun. 1, 2020).
- (d) The Value Line Investment Survey (Aug. 28, 2020).
- (e) Duff & Phelps, 2020 CRSP Deciles Size Study -- Supplementary Data Exhibits, Cost of Capital Navigator.
- (f) Average of low and high values.

EMPIRICAL CAPM - CURRENT BOND YIELD

		(a)	(b)		(c)		(d)		(e)	(d)				(e)	(f)	
		Marl	ket Retui	n (R _m)												
		Div	Proj.	Cost of	Risk-Free	Risk	Unadjus	ted RP	Beta	Adjuste	ed RP		Unadjusted	Market	Size	ECAPM
	Company	Yield	Growth	Equity	Rate	Premium	Weight	RP^{I}	Beta	Weight	RP^2	Total RP	$\mathbf{K}_{\mathbf{e}}$	Cap	Adjustment	Result
1	Atmos Energy Corp.	2.2%	9.2%	11.4%	1.4%	10.0%	25%	2.5%	0.80	75%	6.0%	8.5%	9.9%	\$12,800	0.73%	10.6%
2	Chesapeake Utilities	2.2%	9.2%	11.4%	1.4%	10.0%	25%	2.5%	0.75	75%	5.6%	8.1%	9.5%	\$1,400	1.47%	11.0%
3	New Jersey Resources	2.2%	9.2%	11.4%	1.4%	10.0%	25%	2.5%	0.90	75%	6.7%	9.2%	10.6%	\$3,100	1.10%	11.7%
4	NiSource Inc.	2.2%	9.2%	11.4%	1.4%	10.0%	25%	2.5%	0.85	75%	6.4%	8.8%	10.2%	\$9,200	0.73%	11.0%
5	Northwest Natural	2.2%	9.2%	11.4%	1.4%	10.0%	25%	2.5%	0.80	75%	6.0%	8.5%	9.9%	\$1,600	1.47%	11.3%
6	ONE Gas, Inc.	2.2%	9.2%	11.4%	1.4%	10.0%	25%	2.5%	0.80	75%	6.0%	8.5%	9.9%	\$4,000	1.10%	11.0%
7	South Jersey Industries	2.2%	9.2%	11.4%	1.4%	10.0%	25%	2.5%	1.00	75%	7.5%	10.0%	11.4%	\$2,400	1.34%	12.7%
8	Southwest Gas	2.2%	9.2%	11.4%	1.4%	10.0%	25%	2.5%	0.90	75%	6.7%	9.2%	10.6%	\$3,900	1.10%	11.7%
9	Spire Inc.	2.2%	9.2%	11.4%	1.4%	10.0%	25%	2.5%	0.80	75%	6.0%	8.5%	9.9%	\$3,100	1.10%	11.0%
	Average															11.3%
	Midpoint (g)															11.7%

⁽a) Weighted average for dividend-paying stocks in the S&P 500 based on data from www.valueline.com (retrieved Sep. 6, 2020).

⁽b) Average of weighted average earnings growth rates from IBES, Zacks, and Value Line for dividend-paying stocks in the S&P 500 based on data from www.valueline.com (retrieved Sep. 6, 2020). Dividend paying components of S&P 500 index from zacks.com (retrieved Sep. 6, 2020). Eliminated Yahoo growth values that were negative or greater than 20% and unable to be verified by Thomson Reuters/Verus.

⁽c) Average yield on 30-year Treasury bonds for the six-months ending Aug. 2020 based on data from https://fred.stlouisfed.org/.

⁽d) Roger A. Morin, "New Regulatory Finance," Public Utilities Reports, Inc. (2006) at 190.

⁽e) The Value Line Investment Survey (Aug. 28, 2020).

⁽f) Duff & Phelps, 2020 CRSP Deciles Size Study -- Supplementary Data Exhibits, Cost of Capital Navigator.

⁽g) Average of low and high values.

EMPIRICAL CAPM - PROJECTED BOND YIELD

		(a)	(b)		(c)		(d)		(e)	(d)				(e)	(f)	
		Marl	ket Retur	rn (R _m)												
		Div	Proj.	Cost of	Risk-Free	Risk	Unadjus	ted RP	Beta	Adjuste	ed RP		Unadjusted	Market	Size	ECAPM
	Company	Yield	Growth	Equity	Rate	Premium	Weight	RP^{I}	Beta	Weight	RP^2	Total RP	$\mathbf{K}_{\mathbf{e}}$	Cap	Adjustment	Result
1	Atmos Energy Corp.	2.2%	9.2%	11.4%	2.2%	9.2%	25%	2.3%	0.80	75%	5.5%	7.8%	10.0%	\$12,800	0.73%	10.7%
2	Chesapeake Utilities	2.2%	9.2%	11.4%	2.2%	9.2%	25%	2.3%	0.75	75%	5.2%	7.5%	9.7%	\$1,400	1.47%	11.1%
3	New Jersey Resources	2.2%	9.2%	11.4%	2.2%	9.2%	25%	2.3%	0.90	75%	6.2%	8.5%	10.7%	\$3,100	1.10%	11.8%
4	NiSource Inc.	2.2%	9.2%	11.4%	2.2%	9.2%	25%	2.3%	0.85	75%	5.8%	8.1%	10.3%	\$9,200	0.73%	11.1%
5	Northwest Natural	2.2%	9.2%	11.4%	2.2%	9.2%	25%	2.3%	0.80	75%	5.5%	7.8%	10.0%	\$1,600	1.47%	11.5%
6	ONE Gas, Inc.	2.2%	9.2%	11.4%	2.2%	9.2%	25%	2.3%	0.80	75%	5.5%	7.8%	10.0%	\$4,000	1.10%	11.1%
7	South Jersey Industries	2.2%	9.2%	11.4%	2.2%	9.2%	25%	2.3%	1.00	75%	6.9%	9.2%	11.4%	\$2,400	1.34%	12.7%
8	Southwest Gas	2.2%	9.2%	11.4%	2.2%	9.2%	25%	2.3%	0.90	75%	6.2%	8.5%	10.7%	\$3,900	1.10%	11.8%
9	Spire Inc.	2.2%	9.2%	11.4%	2.2%	9.2%	25%	2.3%	0.80	75%	5.5%	7.8%	10.0%	\$3,100	1.10%	11.1%
	Average														=	11.4%
	Midpoint (g)															11.7%

⁽a) Weighted average for dividend-paying stocks in the S&P 500 based on data from www.valueline.com (retrieved Sep. 6, 2020).

⁽b) Average of weighted average earnings growth rates from IBES, Zacks, and Value Line for dividend-paying stocks in the S&P 500 based on data from www.valueline.com (retrieved Sep. 6, 2020). Dividend paying components of S&P 500 index from zacks.com (retrieved Sep. 6, 2020). Eliminated Yahoo growth values that were negative or greater than 20% and unable to be verified by Thomson

⁽c) Average yield on 30-year Treasury bonds for 2021-25 based on data from the Value Line Investment Survey, Forecast for the U.S. Economy (Aug. 28, 2020); IHS Markit, Long-Term Macro Forecast - Baseline (June 29, 2020); & Wolters Kluwer, Blue Chip Financial Forecasts (Jun. 1, 2020).

⁽d) Roger A. Morin, "New Regulatory Finance," Public Utilities Reports, Inc. (2006) at 190.

⁽e) The Value Line Investment Survey (Aug. 28, 2020).

⁽f) Duff & Phelps, 2020 CRSP Deciles Size Study -- Supplementary Data Exhibits, Cost of Capital Navigator.

⁽g) Average of low and high values.

CURRENT BOND YIELDS

Current Equity Risk Premium	
(a) Avg. Yield over Study Period	7.87%
(b) Single-A Utility Bond Yield	3.06%
Change in Bond Yield	-4.81%
(c) Risk Premium/Interest Rate Relationship	<u>-0.4719</u>
Adjustment to Average Risk Premium	2.27%
(a) Average Risk Premium over Study Period	3.66%
Adjusted Risk Premium	5.93%
Implied Cost of Equity	
(b) Triple-B Utility Bond Yield	3.50%
Adjusted Equity Risk Premium	5.93%
Risk Premium Cost of Equity	9.43%

- (a) Exhibit AMM-19, page 4.
- (b) Average bond yield for six-months ending Aug. 2020 based on data from Moody's Investors Service at www.credittrends.com.
- (c) Exhibit AMM-19, page 5.

PROJECTED BOND YIELDS

Current Equity Risk Premium	
(a) Avg. Yield over Study Period	7.87%
(b) Single-A Utility Bond Yield 2021-2025	<u>4.37%</u>
Change in Bond Yield	-3.50%
(c) Risk Premium/Interest Rate Relationship	<u>-0.4719</u>
Adjustment to Average Risk Premium	1.65%
(a) Average Risk Premium over Study Period	<u>3.66%</u>
Adjusted Risk Premium	5.31%
Implied Cost of Equity	
(b) Triple-B Utility Bond Yield 2021-2025	4.81%
Adjusted Equity Risk Premium	5.31%
Risk Premium Cost of Equity	10.12%

- (a) Exhibit AMM-19, page 4.
- (b) Based on data from IHS Markit, Long-Term Macro Forecast Baseline (June 29, 2020); Energy Information Administration, Annual Energy Outlook 2020 (Jan. 29, 2020); Moody's Investors Service at www.credittrends.com.
- (c) Exhibit AMM-19, page 5.

GAS UTILITY RISK PREMIUM

AUTHORIZED RETURNS

		(a)	(b)				(a)	(b)	
		Allowed	Single-A Utility Bond	Risk			Allowed	Single-A Utility Bond	Risk
Year	Qtr.	ROE	Yield	Premium		Qtr.	ROE	Yield	Premium
1980	1	13.45%	13.49%	-0.04%	1990	1	12.60%	9.72%	2.88%
	2	14.38%	12.87%	1.51%		2	12.81%	9.91%	2.90%
	3	13.87%	12.88%	0.99%		3	12.34%	9.93%	2.41%
	4	14.35%	14.11%	0.24%		4	12.77%	9.89%	2.88%
1981	1	14.69%	14.77%	-0.08%	1991	1	12.69%	9.58%	3.11%
	2	14.61%	15.82%	-1.21%		2	12.53%	9.50%	3.03%
	3	14.86%	16.65%	-1.79%		3	12.43%	9.33%	3.10%
	4	15.70%	16.57%	-0.87%		4	12.38%	9.02%	3.36%
1982	1	15.55%	16.72%	-1.17%	1992	1	12.42%	8.91%	3.51%
	2	15.62%	16.26%	-0.64%		2	11.98%	8.86%	3.12%
	3	15.72%	15.88%	-0.16%		3	11.87%	8.47%	3.40%
	4	15.62%	14.56%	1.06%		4	11.94%	8.53%	3.41%
1983	1	15.41%	14.15%	1.26%	1993	1	11.75%	8.07%	3.68%
	2	14.84%	13.58%	1.26%		2	11.71%	7.81%	3.90%
	3	15.24%	13.52%	1.72%		3	11.39%	7.28%	4.11%
	4	15.41%	13.38%	2.03%		4	11.15%	7.22%	3.93%
1984	1	15.39%	13.56%	1.83%	1994	1	11.12%	7.55%	3.57%
	2	15.07%	14.72%	0.35%		2	10.81%	8.29%	2.52%
	3	15.37%	14.47%	0.90%		3	10.95%	8.51%	2.44%
	4	15.33%	13.38%	1.95%		4	11.64%	8.87%	2.77%
1985	1	15.03%	13.31%	1.72%	1995	1	(c)		
	2	15.44%	12.95%	2.49%		2	11.00%	7.93%	3.07%
	3	14.64%	12.11%	2.53%		3	11.07%	7.72%	3.35%
	4	14.44%	11.49%	2.95%	1996	4	11.56%	7.37%	4.19%
1986	1	14.05%	10.18%	3.87%		1	11.45%	7.44%	4.01%
	2	13.28%	9.41%	3.87%		2	10.88%	7.98%	2.90%
	3	13.09%	9.39%	3.70%		3	11.25%	7.96%	3.29%
	4	13.62%	9.31%	4.31%	1997	4	11.32%	7.62%	3.70%
1987	1	12.61%	8.96%	3.65%		1	11.31%	7.76%	3.55%
	2	13.13%	9.77%	3.36%		2	11.70%	7.88%	3.82%
	3	12.56%	10.61%	1.95%		3	12.00%	7.49%	4.51%
	4	12.73%	11.05%	1.68%		4	11.01%	7.25%	3.76%
1988	1	12.94%	10.32%	2.62%	1998	1	(c)		
	2	12.48%	10.71%	1.77%		2	11.37%	7.12%	4.25%
	3	12.79%	10.94%	1.85%		3	11.41%	6.99%	4.42%
	4	12.98%	9.98%	3.00%		4	11.69%	6.97%	4.72%
1989	1	12.99%	10.13%	2.86%	1999	1	10.82%	7.11%	3.71%
	2	13.25%	9.94%	3.31%		2	10.82%	7.48%	3.34%
	3	12.56%	9.53%	3.03%		3	(c)		
	4	12.94%	9.50%	3.44%		4	10.33%	8.05%	2.28%

GAS UTILITY RISK PREMIUM

AUTHORIZED RETURNS

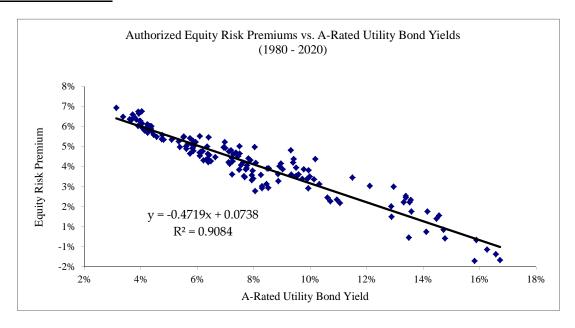
2tr. 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 1 2 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1	(a) Allowed ROE 10.71% 11.08% 11.33% 12.50% 11.16% 10.75% (c) 10.65% 10.67% 11.64% 11.50% 10.78% 11.38% 11.36% 10.61% 10.84% 11.10% 10.25% 10.37% 10.66% 10.65%	(b) Single-A Utility Bond Yield 8.29% 8.45% 8.25% 8.03% 7.74% 7.93% 7.68% 7.65% 7.50% 7.19% 7.15% 6.93% 6.40% 6.64% 6.35% 6.09% 6.48% 6.13% 5.94%	Risk Premium 2.42% 2.63% 3.08% 4.47% 3.42% 2.82% 2.97% 3.02% 4.14% 4.31% 3.63% 4.45% 4.96% 3.97% 4.49% 5.01% 3.77% 4.24% 4.72%	2010 2011 2012 2013	Qtr. 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3	(a) Allowed ROE 10.24% 9.99% 9.93% 10.09% 10.10% 9.85% 9.65% 9.88% 9.63% 9.75% 10.07% 9.57% 9.47% 9.60% 9.83% 9.54% 9.84% 9.45%	(b) Single-A Utility Bond Yield 5.83% 5.61% 5.09% 5.34% 5.60% 5.38% 4.81% 4.37% 4.39% 4.23% 3.98% 3.93% 4.18% 4.23% 4.74% 4.76% 4.56% 4.32% 4.20%	Risk Premiur 4.41% 4.38% 4.84% 4.75% 4.50% 4.47% 4.84% 5.51% 5.24% 5.60% 5.77% 6.14% 5.39% 5.24% 4.86% 5.07% 4.98% 5.52% 5.52%
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1 2 3 4 1 2 3 4 1 2 3 4 1 1 2 3 4 4 1 2 3 4 4 4 1 1 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	11.16% 10.75% (c) 10.65% 10.67% 11.64% 11.50% 10.78% 11.38% 10.61% 10.84% 11.10% 10.25% 10.37% 10.66%	7.74% 7.93% 7.68% 7.65% 7.50% 7.19% 7.15% 6.93% 6.40% 6.64% 6.35% 6.09% 6.48% 6.13% 5.94%	3.42% 2.82% 2.97% 3.02% 4.14% 4.31% 3.63% 4.45% 4.96% 3.97% 4.49% 5.01% 3.77% 4.24%	2012 2013	1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 2 3	10.10% 9.85% 9.65% 9.88% 9.63% 9.83% 9.75% 10.07% 9.57% 9.47% 9.60% 9.83% 9.54%	5.60% 5.38% 4.81% 4.37% 4.39% 4.23% 3.98% 3.93% 4.18% 4.23% 4.74% 4.76% 4.56% 4.32%	4.50% 4.47% 4.84% 5.51% 5.24% 5.60% 5.77% 6.14% 5.39% 5.24% 4.86% 5.07% 4.98% 5.52%
2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 4 1 2 3 4 4 1 1 2 2 3 4 4 4 1 1 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	10.75% (c) 10.65% 10.67% 11.64% 11.50% 10.78% 11.38% 11.36% 10.61% 10.84% 11.10% 10.25% 10.37% 10.66%	7.93% 7.68% 7.65% 7.50% 7.19% 7.15% 6.93% 6.40% 6.64% 6.35% 6.09% 6.48% 6.13% 5.94%	2.82% 2.97% 3.02% 4.14% 4.31% 3.63% 4.45% 4.96% 3.97% 4.49% 5.01% 3.77% 4.24%	2012 2013	2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2	9.85% 9.65% 9.88% 9.63% 9.83% 9.75% 10.07% 9.57% 9.47% 9.60% 9.83% 9.54%	5.38% 4.81% 4.37% 4.39% 4.23% 3.98% 3.93% 4.18% 4.23% 4.74% 4.76% 4.56% 4.32%	4.47% 4.84% 5.51% 5.24% 5.60% 5.77% 6.14% 5.39% 5.24% 4.86% 5.07% 4.98% 5.52%
3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 4 1 2 3 4 4 4 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	(c) 10.65% 10.67% 11.64% 11.50% 10.78% 11.38% 11.36% 10.61% 10.84% 11.10% 10.25% 10.37% 10.66%	7.68% 7.65% 7.50% 7.19% 7.15% 6.93% 6.40% 6.64% 6.35% 6.09% 6.48% 6.13% 5.94%	2.97% 3.02% 4.14% 4.31% 3.63% 4.45% 4.96% 3.97% 4.49% 5.01% 3.77% 4.24%	2013	3 4 1 2 3 4 1 2 3 4 1 2 3	9.65% 9.88% 9.63% 9.83% 9.75% 10.07% 9.57% 9.47% 9.60% 9.83% 9.54% 9.84%	4.81% 4.37% 4.39% 4.23% 3.98% 3.93% 4.18% 4.23% 4.74% 4.56% 4.32%	4.84% 5.51% 5.24% 5.60% 5.77% 6.14% 5.39% 5.24% 4.86% 5.07% 4.98% 5.52%
4 1 2 3 4 1 2 3 4 1 1 2 3 4 4 1 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	10.65% 10.67% 11.64% 11.50% 10.78% 11.38% 11.36% 10.61% 10.84% 11.10% 10.25% 10.37% 10.66%	7.68% 7.65% 7.50% 7.19% 7.15% 6.93% 6.40% 6.64% 6.35% 6.09% 6.48% 6.13% 5.94%	2.97% 3.02% 4.14% 4.31% 3.63% 4.45% 4.96% 3.97% 4.49% 5.01% 3.77% 4.24%	2013	4 1 2 3 4 1 2 3 4 1 2	9.88% 9.63% 9.83% 9.75% 10.07% 9.57% 9.47% 9.60% 9.83% 9.54% 9.84%	4.37% 4.39% 4.23% 3.98% 3.93% 4.18% 4.23% 4.74% 4.56% 4.32%	5.51% 5.24% 5.60% 5.77% 6.14% 5.39% 5.24% 4.86% 5.07% 4.98% 5.52%
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2 3 4 1 2 3 4 1 2 3 4 4	11.64% 11.50% 10.78% 11.38% 11.36% 10.61% 10.84% 11.10% 10.25% 10.37% 10.66%	7.50% 7.19% 7.15% 6.93% 6.40% 6.64% 6.35% 6.09% 6.48% 6.13% 5.94%	4.14% 4.31% 3.63% 4.45% 4.96% 3.97% 4.49% 5.01% 3.77% 4.24%	2013	2 3 4 1 2 3 4 1 2	9.83% 9.75% 10.07% 9.57% 9.47% 9.60% 9.83% 9.54% 9.84%	4.23% 3.98% 3.93% 4.18% 4.23% 4.74% 4.76% 4.56% 4.32%	5.60% 5.77% 6.14% 5.39% 5.24% 4.86% 5.07% 4.98% 5.52%
3 4 1 2 3 4 1 2 3 4 4	11.50% 10.78% 11.38% 11.36% 10.61% 10.84% 11.10% 10.25% 10.37% 10.66%	7.19% 7.15% 6.93% 6.40% 6.64% 6.35% 6.09% 6.48% 6.13% 5.94%	4.31% 3.63% 4.45% 4.96% 3.97% 4.49% 5.01% 3.77% 4.24%		3 4 1 2 3 4 1 2	9.75% 10.07% 9.57% 9.47% 9.60% 9.83% 9.54% 9.84%	3.98% 3.93% 4.18% 4.23% 4.74% 4.76% 4.56% 4.32%	5.77% 6.14% 5.39% 5.24% 4.86% 5.07% 4.98% 5.52%
4 1 2 3 4 1 2 3 4	10.78% 11.38% 11.36% 10.61% 10.84% 11.10% 10.25% 10.37% 10.66%	7.15% 6.93% 6.40% 6.64% 6.35% 6.09% 6.48% 6.13% 5.94%	3.63% 4.45% 4.96% 3.97% 4.49% 5.01% 3.77% 4.24%		4 1 2 3 4 1 2	10.07% 9.57% 9.47% 9.60% 9.83% 9.54% 9.84%	3.93% 4.18% 4.23% 4.74% 4.76% 4.56% 4.32%	6.14% 5.39% 5.24% 4.86% 5.07% 4.98% 5.52%
1 2 3 4 1 2 3 4	11.38% 11.36% 10.61% 10.84% 11.10% 10.25% 10.37% 10.66%	6.93% 6.40% 6.64% 6.35% 6.09% 6.48% 6.13% 5.94%	4.45% 4.96% 3.97% 4.49% 5.01% 3.77% 4.24%		1 2 3 4 1 2	9.57% 9.47% 9.60% 9.83% 9.54% 9.84%	4.18% 4.23% 4.74% 4.76% 4.56% 4.32%	5.39% 5.24% 4.86% 5.07% 4.98% 5.52%
2 3 4 1 2 3 4	11.36% 10.61% 10.84% 11.10% 10.25% 10.37% 10.66%	6.40% 6.64% 6.35% 6.09% 6.48% 6.13% 5.94%	4.96% 3.97% 4.49% 5.01% 3.77% 4.24%		2 3 4 1 2	9.47% 9.60% 9.83% 9.54% 9.84%	4.23% 4.74% 4.76% 4.56% 4.32%	5.24% 4.86% 5.07% 4.98% 5.52%
3 4 1 2 3 4	10.61% 10.84% 11.10% 10.25% 10.37% 10.66%	6.64% 6.35% 6.09% 6.48% 6.13% 5.94%	3.97% 4.49% 5.01% 3.77% 4.24%	2014	3 4 1 2	9.60% 9.83% 9.54% 9.84%	4.74% 4.76% 4.56% 4.32%	4.86% 5.07% 4.98% 5.52%
4 1 2 3 4	10.84% 11.10% 10.25% 10.37% 10.66%	6.35% 6.09% 6.48% 6.13% 5.94%	4.49% 5.01% 3.77% 4.24%	2014	4 1 2	9.83% 9.54% 9.84%	4.76% 4.56% 4.32%	5.07% 4.98% 5.52%
1 2 3 4	11.10% 10.25% 10.37% 10.66%	6.09% 6.48% 6.13% 5.94%	5.01% 3.77% 4.24%	2014	1 2	9.54% 9.84%	4.56% 4.32%	4.98% 5.52%
2 3 4	10.25% 10.37% 10.66%	6.48% 6.13% 5.94%	3.77% 4.24%	2014	2	9.84%	4.32%	5.52%
3 4	10.37% 10.66%	6.13% 5.94%	4.24%					
4	10.66%	5.94%			5			
			1.7270		4	10.28%	4.03%	6.25%
		5.74%	4.91%	2015	1	9.47%	3.66%	5.81%
2	10.52%	5.52%	5.00%		2	9.43%	4.13%	5.30%
3	10.47%	5.51%	4.96%		3	9.75%	4.35%	5.40%
4	10.40%	5.82%	4.58%		4	9.68%	4.35%	5.33%
1	10.63%	5.85%	4.78%	2016	1	9.48%	4.18%	5.30%
2	10.50%	6.37%	4.13%		2	9.42%	3.90%	5.52%
3	10.45%	6.19%	4.26%		3	9.47%	3.61%	5.86%
4	10.14%	5.86%	4.28%		4	9.68%	4.04%	5.64%
1	10.44%	5.90%	4.54%	2017	1	9.60%	4.18%	5.42%
2	10.12%	6.09%	4.03%		2	9.47%	4.06%	5.41%
3	10.03%	6.22%	3.81%		3	10.14%	3.91%	6.23%
4	10.27%	6.08%	4.19%		4	9.68%	3.84%	5.84%
1	10.38%	6.15%	4.23%	2018	1	9.68%	4.03%	5.65%
								5.19%
								5.41%
	10.34%					9.53%	4.45%	5.08%
				2019	1			5.30%
2								5.77%
								6.09%
3	10.27%	5.66%	4.61%	2022				5.96%
	10.2770			2020			3.5/%	5.98% 6.42%
3	10.2770					0.550	2 120/	h /171//
2 3 4 1 2		10.17% 10.49%	10.17% 6.32% 10.49% 6.42% 10.34% 7.23% 10.24% 6.37% 10.11% 6.39% 9.88% 5.74%	10.17% 6.32% 3.85% 10.49% 6.42% 4.07% 10.34% 7.23% 3.11% 10.24% 6.37% 3.87% 10.11% 6.39% 3.72% 9.88% 5.74% 4.14%	10.17% 6.32% 3.85% 10.49% 6.42% 4.07% 10.34% 7.23% 3.11% 10.24% 6.37% 3.87% 2019 10.11% 6.39% 3.72% 9.88% 5.74% 4.14%	10.17% 6.32% 3.85% 2 10.49% 6.42% 4.07% 3 10.34% 7.23% 3.11% 4 10.24% 6.37% 3.87% 2019 1 10.11% 6.39% 3.72% 2 9.88% 5.74% 4.14% 3 10.27% 5.66% 4.61% 4 2020 1	10.17% 6.32% 3.85% 2 9.43% 10.49% 6.42% 4.07% 3 9.69% 10.34% 7.23% 3.11% 4 9.53% 10.24% 6.37% 3.87% 2019 1 9.55% 10.11% 6.39% 3.72% 2 9.73% 9.88% 5.74% 4.14% 3 9.80% 10.27% 5.66% 4.61% 4 9.73%	10.17% 6.32% 3.85% 2 9.43% 4.24% 10.49% 6.42% 4.07% 3 9.69% 4.28% 10.34% 7.23% 3.11% 4 9.53% 4.45% 10.24% 6.37% 3.87% 2019 1 9.55% 4.25% 10.11% 6.39% 3.72% 2 9.73% 3.96% 9.88% 5.74% 4.14% 3 9.80% 3.71% 10.27% 5.66% 4.61% 4 9.73% 3.77%

⁽a) Regulatory Research Associates, Inc., <u>Major Rate Case Decisions</u>, (Jul. 22, 2020, Jan. 31, 2020, Jan. 14, 2016, Jan. 7, 2011, Apr. 5, 2004, Jan. 21, 1998, July 12, 1991, and Jan. 16, 1990).

⁽b) Moody's Investors Service.

⁽c) No decisions reported.

REGRESSION RESULTS



SUMMARY OUTPUT

Regression Sta	tistics
Multiple R	0.9531044
R Square	0.908408
Adjusted R Square	0.9078208
Standard Error	0.005037
Observations	158

ANOVA

	df	SS	MS	F	Significance F
Regression	1	0.039255248	0.03925525	1547.20477	7.0822E-83
Residual	156	0.003957989	2.5372E-05		
Total	157	0.043213237			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	<i>Upper 95.0%</i>
Intercept	0.0738	0.001025746	71.9042271	1.637E-121	0.07172934	0.0757816	0.07172934	0.07578163
X Variable 1	-0.4719	0.011997194	-39.3345239	7.0822E-83	-0.49560183	-0.448206	-0.4956018	-0.448206

EXPECTED EARNINGS APPROACH

		(a)	(b)	(c)
		Expected Return	Adjustment	Adjusted Return
	Company	on Common Equity	Factor	on Common Equity
1	Atmos Energy Corp.	9.0%	1.0512	9.5%
2	Chesapeake Utilities	9.5%	1.0704	10.2%
3	New Jersey Resources	9.5%	1.0512	10.0%
4	NiSource Inc.	11.0%	1.0404	11.4%
5	Northwest Natural	8.5%	1.0101	8.6%
6	ONE Gas, Inc.	8.5%	1.0335	8.8%
7	South Jersey Industries	12.0%	1.0458	12.5%
8	Southwest Gas	10.0%	1.0464	10.5%
9	Spire Inc.	7.0%	1.0442	7.3%
	Average			9.9%
	Midpoint (d)			9.9%

⁽a) The Value Line Investment Survey (Aug. 28, 2020).

⁽b) Adjustment to convert year-end return to an average rate of return from Exhibit AMM-16.

⁽c) (a) x (b).

⁽d) Average of low and high values.

DIVIDEND YIELD

1 Air Products & Chem. Chemical (Diversified) \$ 286.44 \$ 5.36 1 2 Amdocs Ltd. IT Services \$ 60.73 \$ 1.31 2 3 Amgen Biotechnology \$ 246.85 \$ 6.70 2 4 Amphenol Corp. Electronics \$ 105.69 \$ 1.00 0 5 Apple Inc. Computers/Peripherals \$ 420.53 \$ 3.33 0 6 AT&T Inc. Telecom. Services \$ 29.88 \$ 2.10 7 7 Baxter Int'l Inc. Med Supp Invasive \$ 85.17 \$ 0.98 1 8 Bristol-Myers Squibb Drug \$ 60.51 \$ 1.80 3 9 Brown & Brown Financial Svcs. (Div.) \$ 44.92 \$ 0.34 0 10 Brown-Forman 'B' Beverage \$ 68.98 \$ 0.72 1 11 Church & Dwight Household Products \$ 90.86 \$ 0.96 1 12 Cisco Systems Telecom. Equipment \$ 45.85 \$ 1.44 3 <th></th>	
1 Air Products & Chem. Chemical (Diversified) \$ 286.44 \$ 5.36 1 2 Amdocs Ltd. IT Services \$ 60.73 \$ 1.31 2 3 Amgen Biotechnology \$ 246.85 \$ 6.70 2 4 Amphenol Corp. Electronics \$ 105.69 \$ 1.00 0 5 Apple Inc. Computers/Peripherals \$ 420.53 \$ 3.33 0 6 AT&T Inc. Telecom. Services \$ 29.88 \$ 2.10 7 7 Baxter Int'l Inc. Med Supp Invasive \$ 85.17 \$ 0.98 1 8 Bristol-Myers Squibb Drug \$ 60.51 \$ 1.80 3 9 Brown & Brown Financial Svcs. (Div.) \$ 44.92 \$ 0.34 0 10 Brown-Forman 'B' Beverage \$ 68.98 \$ 0.72 1 11 Church & Dwight Household Products \$ 90.86 \$ 0.96 1 12 Cisco Systems Telecom. Equipment \$ 45.85 \$ 1.44 3 <th>Yield</th>	Yield
2 Amdocs Ltd. IT Services \$ 60.73 \$ 1.31 2 3 Amgen Biotechnology \$ 246.85 \$ 6.70 2 4 Amphenol Corp. Electronics \$ 105.69 \$ 1.00 0 5 Apple Inc. Computers/Peripherals \$ 420.53 \$ 3.33 0 6 AT&T Inc. Telecom. Services \$ 29.88 \$ 2.10 7 7 Baxter Int'l Inc. Med Supp Invasive \$ 85.17 \$ 0.98 1 8 Bristol-Myers Squibb Drug \$ 60.51 \$ 1.80 3 9 Brown & Brown Financial Svcs. (Div.) \$ 44.92 \$ 0.34 0 10 Brown-Forman 'B' Beverage \$ 68.98 \$ 0.72 1 11 Church & Dwight Household Products \$ 90.86 \$ 0.96 1 12 Cisco Systems Telecom. Equipment \$ 45.85 \$ 1.44 3 13 Coca-Cola Beverage \$ 47.46 \$ 1.68 3 14 Colgate-Palmolive Household Products \$ 76.00 \$ 1.76 2 15 Comcast Corp. Cable TV \$ 42.85 \$ 0.92 2 16 Commerce Bancshs.	1.9%
3 Amgen Biotechnology \$ 246.85 \$ 6.70 2 4 Amphenol Corp. Electronics \$ 105.69 \$ 1.00 0 5 Apple Inc. Computers/Peripherals \$ 420.53 \$ 3.33 0 6 AT&T Inc. Telecom. Services \$ 29.88 \$ 2.10 7 7 Baxter Int'l Inc. Med Supp Invasive \$ 85.17 \$ 0.98 1 8 Bristol-Myers Squibb Drug \$ 60.51 \$ 1.80 3 9 Brown & Brown Financial Svcs. (Div.) \$ 44.92 \$ 0.34 0 10 Brown-Forman 'B' Beverage \$ 68.98 \$ 0.72 1 11 Church & Dwight Household Products \$ 90.86 \$ 0.96 1 12 Cisco Systems Telecom. Equipment \$ 45.85 \$ 1.44 3 13 Coca-Cola Beverage \$ 47.46 \$ 1.68 3 14 Colgate-Palmolive Household Products \$ 76.00 \$ 1.76 2	2.2%
4 Amphenol Corp. Electronics \$ 105.69 \$ 1.00 0 5 Apple Inc. Computers/Peripherals \$ 420.53 \$ 3.33 0 6 AT&T Inc. Telecom. Services \$ 29.88 \$ 2.10 7 7 Baxter Int'l Inc. Med Supp Invasive \$ 85.17 \$ 0.98 1 8 Bristol-Myers Squibb Drug \$ 60.51 \$ 1.80 3 9 Brown & Brown Financial Svcs. (Div.) \$ 44.92 \$ 0.34 0 10 Brown-Forman 'B' Beverage \$ 68.98 \$ 0.72 1 11 Church & Dwight Household Products \$ 90.86 \$ 0.96 1 12 Cisco Systems Telecom. Equipment \$ 45.85 \$ 1.44 3 13 Coca-Cola Beverage \$ 47.46 \$ 1.68 3 14 Colgate-Palmolive Household Products \$ 76.00 \$ 1.76 2 15 Comcast Corp. Cable TV \$ 42.85 \$ 0.92 2 16 Commerce Bancshs. Bank (Midwest) \$ 58.38 \$ 1.08 1 17 Costco Wholesale Retail Store \$ 332.54 \$ 2.80 0 <td< td=""><td>2.7%</td></td<>	2.7%
5 Apple Inc. Computers/Peripherals \$ 420.53 \$ 3.33 0 6 AT&T Inc. Telecom. Services \$ 29.88 \$ 2.10 7 7 Baxter Int'l Inc. Med Supp Invasive \$ 85.17 \$ 0.98 1 8 Bristol-Myers Squibb Drug \$ 60.51 \$ 1.80 3 9 Brown & Brown Financial Svcs. (Div.) \$ 44.92 \$ 0.34 0 10 Brown-Forman 'B' Beverage \$ 68.98 \$ 0.72 1 11 Church & Dwight Household Products \$ 90.86 \$ 0.96 1 12 Cisco Systems Telecom. Equipment \$ 45.85 \$ 1.44 3 13 Coca-Cola Beverage \$ 47.46 \$ 1.68 3 14 Colgate-Palmolive Household Products \$ 76.00 \$ 1.76 2 15 Comcast Corp. Cable TV \$ 42.85 \$ 0.92 2 16 Commerce Bancshs. Bank (Midwest) \$ 58.38 \$ 1.08 1 17 Costco Wholesale Retail Store \$ 332.54 \$ 2.80 3 18 CVS Health	0.9%
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7 Baxter Int'l Inc. Med Supp Invasive \$ 85.17 \$ 0.98 1 8 Bristol-Myers Squibb Drug \$ 60.51 \$ 1.80 3 9 Brown & Brown Financial Svcs. (Div.) \$ 44.92 \$ 0.34 0 10 Brown-Forman 'B' Beverage \$ 68.98 \$ 0.72 1 11 Church & Dwight Household Products \$ 90.86 \$ 0.96 1 12 Cisco Systems Telecom. Equipment \$ 45.85 \$ 1.44 3 13 Coca-Cola Beverage \$ 47.46 \$ 1.68 3 14 Colgate-Palmolive Household Products \$ 76.00 \$ 1.76 2 15 Comcast Corp. Cable TV \$ 42.85 \$ 0.92 2 16 Commerce Bancshs. Bank (Midwest) \$ 58.38 \$ 1.08 1 17 Costco Wholesale Retail Store \$ 332.54 \$ 2.80 0 18 CVS Health Pharmacy Services \$ 64.31 \$ 2.00 3	7.0%
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10 Brown-Forman 'B' Beverage \$ 68.98 \$ 0.72 1 11 Church & Dwight Household Products \$ 90.86 \$ 0.96 1 12 Cisco Systems Telecom. Equipment \$ 45.85 \$ 1.44 3 13 Coca-Cola Beverage \$ 47.46 \$ 1.68 3 14 Colgate-Palmolive Household Products \$ 76.00 \$ 1.76 2 15 Comcast Corp. Cable TV \$ 42.85 \$ 0.92 2 16 Commerce Bancshs. Bank (Midwest) \$ 58.38 \$ 1.08 1 17 Costco Wholesale Retail Store \$ 332.54 \$ 2.80 0 18 CVS Health Pharmacy Services \$ 64.31 \$ 2.00 3 19 Danaher Corp. Diversified Co. \$ 200.09 \$ 0.72 0 20 Gen'l Mills Automotive \$ 64.15 \$ 1.96 3 21 Hormel Foods Food Processing \$ 50.91 \$ 1.00 2	0.8%
11 Church & Dwight Household Products \$ 90.86 \$ 0.96 1 12 Cisco Systems Telecom. Equipment \$ 45.85 \$ 1.44 3 13 Coca-Cola Beverage \$ 47.46 \$ 1.68 3 14 Colgate-Palmolive Household Products \$ 76.00 \$ 1.76 2 15 Comcast Corp. Cable TV \$ 42.85 \$ 0.92 2 16 Commerce Bancshs. Bank (Midwest) \$ 58.38 \$ 1.08 1 17 Costco Wholesale Retail Store \$ 332.54 \$ 2.80 0 18 CVS Health Pharmacy Services \$ 64.31 \$ 2.00 3 19 Danaher Corp. Diversified Co. \$ 200.09 \$ 0.72 0 20 Gen'l Mills Automotive \$ 64.15 \$ 1.96 3 21 Hormel Foods Food Processing \$ 50.91 \$ 1.00 2	1.0%
12 Cisco Systems Telecom. Equipment \$ 45.85 \$ 1.44 3 13 Coca-Cola Beverage \$ 47.46 \$ 1.68 3 14 Colgate-Palmolive Household Products \$ 76.00 \$ 1.76 2 15 Comcast Corp. Cable TV \$ 42.85 \$ 0.92 2 16 Commerce Bancshs. Bank (Midwest) \$ 58.38 \$ 1.08 1 17 Costco Wholesale Retail Store \$ 332.54 \$ 2.80 0 18 CVS Health Pharmacy Services \$ 64.31 \$ 2.00 3 19 Danaher Corp. Diversified Co. \$ 200.09 \$ 0.72 0 20 Gen'l Mills Automotive \$ 64.15 \$ 1.96 3 21 Hormel Foods Food Processing \$ 50.91 \$ 1.00 2	1.1%
13 Coca-Cola Beverage \$ 47.46 \$ 1.68 3 14 Colgate-Palmolive Household Products \$ 76.00 \$ 1.76 2 15 Comcast Corp. Cable TV \$ 42.85 \$ 0.92 2 16 Commerce Bancshs. Bank (Midwest) \$ 58.38 \$ 1.08 1 17 Costco Wholesale Retail Store \$ 332.54 \$ 2.80 0 18 CVS Health Pharmacy Services \$ 64.31 \$ 2.00 3 19 Danaher Corp. Diversified Co. \$ 200.09 \$ 0.72 0 20 Gen'l Mills Automotive \$ 64.15 \$ 1.96 3 21 Hormel Foods Food Processing \$ 50.91 \$ 1.00 2	3.1%
14 Colgate-Palmolive Household Products \$ 76.00 \$ 1.76 2 15 Comcast Corp. Cable TV \$ 42.85 \$ 0.92 2 16 Commerce Bancshs. Bank (Midwest) \$ 58.38 \$ 1.08 1 17 Costco Wholesale Retail Store \$ 332.54 \$ 2.80 0 18 CVS Health Pharmacy Services \$ 64.31 \$ 2.00 3 19 Danaher Corp. Diversified Co. \$ 200.09 \$ 0.72 0 20 Gen'l Mills Automotive \$ 64.15 \$ 1.96 3 21 Hormel Foods Food Processing \$ 50.91 \$ 1.00 2	3.5%
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16 Commerce Bancshs. Bank (Midwest) \$ 58.38 \$ 1.08 1 17 Costco Wholesale Retail Store \$ 332.54 \$ 2.80 0 18 CVS Health Pharmacy Services \$ 64.31 \$ 2.00 3 19 Danaher Corp. Diversified Co. \$ 200.09 \$ 0.72 0 20 Gen'l Mills Automotive \$ 64.15 \$ 1.96 3 21 Hormel Foods Food Processing \$ 50.91 \$ 1.00 2	2.1%
17 Costco Wholesale Retail Store \$ 332.54 \$ 2.80 0 18 CVS Health Pharmacy Services \$ 64.31 \$ 2.00 3 19 Danaher Corp. Diversified Co. \$ 200.09 \$ 0.72 0 20 Gen'l Mills Automotive \$ 64.15 \$ 1.96 3 21 Hormel Foods Food Processing \$ 50.91 \$ 1.00 2	1.9%
18 CVS Health Pharmacy Services \$ 64.31 \$ 2.00 3 19 Danaher Corp. Diversified Co. \$ 200.09 \$ 0.72 0 20 Gen'l Mills Automotive \$ 64.15 \$ 1.96 3 21 Hormel Foods Food Processing \$ 50.91 \$ 1.00 2	0.8%
19 Danaher Corp. Diversified Co. \$ 200.09 \$ 0.72 0 20 Gen'l Mills Automotive \$ 64.15 \$ 1.96 3 21 Hormel Foods Food Processing \$ 50.91 \$ 1.00 2	3.1%
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21 Hormel Foods Food Processing \$ 50.91 \$ 1.00	3.4%
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22 Intel Corp. Hotel/Gaming \mathfrak{F} 32.12 \mathfrak{F} 1.32 2	
•	2.5%
e e	2.5%
11	2.7%
ee e	3.3%
	2.8%
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	1.3%
*	2.5%
8	3.0%
	1.0%
•	1.8%
	1.7%
·	3.0%
·	4.0%
	2.4%
	4.1%
	2.7%
41 Travelers Cos. Insurance (Prop/Cas.) \$ 116.89 \$ 3.40	2.9%
<u> </u>	2.9%
43 Verizon Communic. Telecom. Services \$ 57.37 \$ 2.49	4.3%
44 Walmart Inc. Retail Store \$ 131.45 \$ 2.18	1.7%
45 Waste Management Environmental \$ 109.21 \$ 2.182	2.0%
$\overline{2}$	2.4%

⁽a) Average of closing prices for 30 trading days ended Aug. 21, 2020.

⁽b) The Value Line Investment Survey, Summary & Index (Aug. 21, 2020).

GROWTH RATES

		(a)	(b)	(c)
			rnings Growth Rate	es
	Company	V Line	IBES	Zacks
1	Air Products & Chem.	12.00%	10.33%	8.77%
2	Amdocs Ltd.	9.50%	4.40%	8.50%
3	Amgen	6.50%	6.87%	7.53%
4	Amphenol Corp.	9.00%	3.00%	7.51%
5	Apple Inc.	14.00%	12.46%	10.67%
6	AT&T Inc.	5.50%	0.29%	5.53%
7	Baxter Int'l Inc.	9.00%	10.00%	9.75%
8	Bristol-Myers Squibb	12.50%	18.40%	8.63%
9	Brown & Brown	10.50%	8.93%	n/a
10	Brown-Forman 'B'	11.00%	3.33%	n/a
11	Church & Dwight	8.00%	9.48%	8.86%
12	Cisco Systems	7.00%	6.18%	5.40%
13	Coca-Cola	6.50%	2.94%	4.81%
14	Colgate-Palmolive	5.00%	5.91%	5.89%
15	Comcast Corp.	13.50%	4.95%	9.70%
16	Commerce Bancshs.	5.00%	-8.70%	n/a
17	Costco Wholesale	9.00%	7.15%	8.40%
18	CVS Health	6.00%	6.34%	5.59%
19	Danaher Corp.	15.00%	13.02%	11.64%
20	Gen'l Mills	3.00%	4.90%	7.50%
21	Hormel Foods	8.50%	2.90%	7.50%
22	Intel Corp.	7.00%	8.62%	7.50%
23	Int'l Flavors & Frag.	8.00%	0.38%	n/a
24	Johnson & Johnson	10.00%	5.08%	5.75%
25	Kellogg	3.00%	1.75%	6.00%
26	Kimberly-Clark	7.00%	6.20%	5.45%
27	Lilly (Eli)	10.00%	13.17%	15.65%
28	Lockheed Martin	8.50%	9.11%	6.93%
29	Marsh & McLennan	9.00%	4.87%	6.00%
30	McCormick & Co.	6.50%	5.00%	5.78%
31	McDonald's Corp.	8.00%	3.88%	7.68%
32	Merck & Co.	9.00%	6.25%	6.74%
33	Microsoft Corp.	15.00%	15.00%	13.71%
34	Northrop Grumman	10.50%	8.62%	n/a
35	Oracle Corp.	10.50%	9.04%	11.00%
36	PepsiCo, Inc.	6.00%	5.48%	5.61%
37	Pfizer, Inc.	8.50%	5.37%	4.29%
38	Procter & Gamble	8.50%	7.72%	7.41%
39	Public Storage	n/a	17.00%	3.45%
40	Texas Instruments	2.50%	10.00%	9.33%
41	Travelers Cos.	9.50%	3.05%	6.66%
42	United Parcel Serv.	6.00%	5.90%	7.77%
43	Verizon Communic.	4.00%	1.23%	3.41%
44	Walmart Inc.	7.50%	6.41%	5.63%
45	Waste Management	5.50%	-1.26%	6.29%

⁽a) The Value Line Investment Survey (various editions as of Aug. 21, 2020).

⁽b) www.finance.yahoo.com (retrieved Aug. 24, 2020).

⁽c) www.zacks.com (retrieved Aug. 24, 2020).

DCF MODEL - NON-UTILITY GROUP

DCF COST OF EQUITY ESTIMATES

		(a)	(a)	(a)
			of Equity Estim	
	Company	V Line	IBES	Zacks
1	Air Products & Chem.	13.9%	12.2%	10.6%
2	Amdocs Ltd.	11.7%	6.6%	10.7%
3	Amgen	9.2%	9.6%	10.2%
4	Amphenol Corp.	9.9%	3.9%	8.5%
5	Apple Inc.	14.8%	13.3%	11.5%
6	AT&T Inc.	12.5%	7.3%	12.6%
7	Baxter Int'l Inc.	10.2%	11.2%	10.9%
8	Bristol-Myers Squibb	15.5%	21.4%	11.6%
9	Brown & Brown	11.3%	9.7%	n/a
10	Brown-Forman 'B'	12.0%	4.4%	n/a
11	Church & Dwight	9.1%	10.5%	9.9%
12	Cisco Systems	10.1%	9.3%	8.5%
13	Coca-Cola	10.0%	6.5%	8.4%
14	Colgate-Palmolive	7.3%	8.2%	8.2%
	Comcast Corp.	15.6%	7.1%	11.8%
	Commerce Bancshs.	6.9%	-6.8%	n/a
	Costco Wholesale	9.8%	8.0%	9.2%
18	CVS Health	9.1%	9.5%	8.7%
19	Danaher Corp.	15.4%	13.4%	12.0%
20	Gen'l Mills	6.1%	8.0%	10.6%
21	Hormel Foods	10.5%	4.9%	9.5%
	Intel Corp.	9.5%	11.2%	10.0%
23	Int'l Flavors & Frag.	10.5%	2.9%	n/a
24	Johnson & Johnson	12.7%	7.8%	8.5%
25	Kellogg	6.3%	5.1%	9.3%
26	Kimberly-Clark	9.8%	9.0%	8.3%
27	Lilly (Eli)	11.9%	15.1%	17.5%
28	Lockheed Martin	11.1%	11.7%	9.6%
29	Marsh & McLennan	10.6%	6.5%	7.6%
-	McCormick & Co.	7.8%	6.3%	7.0%
31		10.5%	6.4%	10.2%
	McDonald's Corp. Merck & Co.	10.5%	9.3%	9.8%
33	Microsoft Corp.	16.0%	16.0%	14.7%
	-	12.3%	10.4%	
	Northrop Grumman			n/a
	Oracle Corp.	12.2%	10.8%	12.7%
36	PepsiCo, Inc.	9.0%	8.5%	8.6%
37	Pfizer, Inc.	12.5%	9.4%	8.3%
38	Procter & Gamble	10.9%	10.1%	9.8%
39	Public Storage	n/a	21.1%	7.5%
40	Texas Instruments	5.2%	12.7%	12.0%
41	Travelers Cos.	12.4%	6.0%	9.6%
42	United Parcel Serv.	8.9%	8.8%	10.7%
43	Verizon Communic.	8.3%	5.6%	7.8%
44	Walmart Inc.	9.2%	8.1%	7.3%
45	Waste Management	7.5%	0.7%	8.3%
	Average (b)	10.5%	9.5%	9.8%
	Midpoint (b,c)	10.8%	9.9%	10.9%

 $⁽a) \quad Sum \ of \ dividend \ yield \ (Exhibit \ AMM-21, p. \ 1) \ and \ respective \ growth \ rate \ (Exhibit \ AMM-21, p. \ 2).$

⁽b) Excludes highlighted figures.

⁽c) Average of low and high values.