Exh. AEB-8 Docket UE-19\_\_\_ Witness: Ann E. Bulkley

## BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

| WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION, Complainant, | Docket UE-19 |
|--|--------------|
| V.   |              |
| PACIFICORP dba PACIFIC POWER & LIGHT COMPANY                     |              |
| Respondent.  |              |

# PACIFICORP EXHIBIT OF ANN E. BULKLEY

**Capital Asset Pricing Model** 

### CAPITAL ASSET PRICING MODEL -- CURRENT RISK-FREE RATE & VL BETA

 $K = Rf + \beta (Rm - Rf)$ 

|                                       |        | [1]                | [2]      | [3]         | [4]         | [5]     |
|---------------------------------------|--------|--------------------|----------|-------------|-------------|---------|
|                                       |        | Current 30-day     |          |             |             |         |
|                                       |        | average of 30-year |          |             | Market Risk |         |
|                                       |        | U.S. Treasury bond |          | Market      | Premium     |         |
| Company                               | Ticker | yield              | Beta (β) | Return (Rm) | (Rm - Rf)   | ROE (K) |
| ALLETE, Inc.                          | ALE    | 2.11%              | 0.65     | 13.83%      | 11.72%      | 9.73%   |
| Alliant Energy Corporation            | LNT    | 2.11%              | 0.60     | 13.83%      | 11.72%      | 9.14%   |
| Ameren Corporation                    | AEE    | 2.11%              | 0.55     | 13.83%      | 11.72%      | 8.56%   |
| American Electric Power Company, Inc. | AEP    | 2.11%              | 0.55     | 13.83%      | 11.72%      | 8.56%   |
| Avista Corporation                    | AVA    | 2.11%              | 0.60     | 13.83%      | 11.72%      | 9.14%   |
| CenterPoint Energy, Inc.              | CNP    | 2.11%              | 0.80     | 13.83%      | 11.72%      | 11.49%  |
| CMS Energy Corporation                | CMS    | 2.11%              | 0.55     | 13.83%      | 11.72%      | 8.56%   |
| Dominion Resources, Inc.              | D      | 2.11%              | 0.55     | 13.83%      | 11.72%      | 8.56%   |
| DTE Energy Company                    | DTE    | 2.11%              | 0.55     | 13.83%      | 11.72%      | 8.56%   |
| Duke Energy Corporation               | DUK    | 2.11%              | 0.50     | 13.83%      | 11.72%      | 7.97%   |
| Entergy Corporation                   | ETR    | 2.11%              | 0.60     | 13.83%      | 11.72%      | 9.14%   |
| Evergy, Inc.                          | EVRG   | 2.11%              | NMF      | 13.83%      | 11.72%      |         |
| FirstEnergy Corporation               | FE     | 2.11%              | 0.60     | 13.83%      | 11.72%      | 9.14%   |
| IDACORP, Inc.                         | IDA    | 2.11%              | 0.60     | 13.83%      | 11.72%      | 9.14%   |
| NextEra Energy, Inc.                  | NEE    | 2.11%              | 0.55     | 13.83%      | 11.72%      | 8.56%   |
| NorthWestern Corporation              | NWE    | 2.11%              | 0.60     | 13.83%      | 11.72%      | 9.14%   |
| OGE Energy Corporation                | OGE    | 2.11%              | 0.80     | 13.83%      | 11.72%      | 11.49%  |
| Pinnacle West Capital Corporation     | PNW    | 2.11%              | 0.55     | 13.83%      | 11.72%      | 8.56%   |
| PNM Resources, Inc.                   | PNM    | 2.11%              | 0.60     | 13.83%      | 11.72%      | 9.14%   |
| Portland General Electric Company     | POR    | 2.11%              | 0.60     | 13.83%      | 11.72%      | 9.14%   |
| PPL Corporation                       | PPL    | 2.11%              | 0.65     | 13.83%      | 11.72%      | 9.73%   |
| Southern Company                      | so     | 2.11%              | 0.50     | 13.83%      | 11.72%      | 7.97%   |
| Xcel Energy Inc.                      | XEL    | 2.11%              | 0.50     | 13.83%      | 11.72%      | 7.97%   |
| Mean                                  |        |                    |          |             |             | 9.06%   |

- Notes:

  [1] Source: Bloomberg Professional
  [2] Source: Value Line
  [3] Source: Exhibit No. AEB-8, page 7 (Analysts Long-term growth estimates)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

### CAPITAL ASSET PRICING MODEL -- NEAR-TERM PROJECTED RISK-FREE RATE & VL BETA

|                                       |             | [1]                   | [2]      | [3]         | [4]         | [5]     |
|---------------------------------------|-------------|-----------------------|----------|-------------|-------------|---------|
|                                       |             | Near-term projected   |          |             |             |         |
|                                       |             | 30-year U.S. Treasury |          |             | Market Risk |         |
|                                       |             | bond yield            |          | Market      | Premium     |         |
| Company                               | Ticker      | (Q1 2020 - Q1 2021)   | Beta (β) | Return (Rm) | (Rm - Rf)   | ROE (K) |
| ALLETE, Inc.                          | ALE         | 2.32%                 | 0.65     | 13.83%      | 11.51%      | 9.80%   |
| Alliant Energy Corporation            | LNT         | 2.32%                 | 0.60     | 13.83%      | 11.51%      | 9.23%   |
| Ameren Corporation                    | AEE         | 2.32%                 | 0.55     | 13.83%      | 11.51%      | 8.65%   |
| American Electric Power Company, Inc. | AEP         | 2.32%                 | 0.55     | 13.83%      | 11.51%      | 8.65%   |
| Avista Corporation                    | AVA         | 2.32%                 | 0.60     | 13.83%      | 11.51%      | 9.23%   |
| CenterPoint Energy, Inc.              | CNP         | 2.32%                 | 0.80     | 13.83%      | 11.51%      | 11.53%  |
| CMS Energy Corporation                | CMS         | 2.32%                 | 0.55     | 13.83%      | 11.51%      | 8.65%   |
| Dominion Resources, Inc.              | D           | 2.32%                 | 0.55     | 13.83%      | 11.51%      | 8.65%   |
| DTE Energy Company                    | DTE         | 2.32%                 | 0.55     | 13.83%      | 11.51%      | 8.65%   |
| Duke Energy Corporation               | DUK         | 2.32%                 | 0.50     | 13.83%      | 11.51%      | 8.08%   |
| Entergy Corporation                   | ETR         | 2.32%                 | 0.60     | 13.83%      | 11.51%      | 9.23%   |
| Evergy, Inc.                          | <b>EVRG</b> | 2.32%                 | NMF      | 13.83%      | 11.51%      |         |
| FirstEnergy Corporation               | FE          | 2.32%                 | 0.60     | 13.83%      | 11.51%      | 9.23%   |
| IDACORP, Inc.                         | IDA         | 2.32%                 | 0.60     | 13.83%      | 11.51%      | 9.23%   |
| NextEra Energy, Inc.                  | NEE         | 2.32%                 | 0.55     | 13.83%      | 11.51%      | 8.65%   |
| NorthWestern Corporation              | NWE         | 2.32%                 | 0.60     | 13.83%      | 11.51%      | 9.23%   |
| OGE Energy Corporation                | OGE         | 2.32%                 | 0.80     | 13.83%      | 11.51%      | 11.53%  |
| Pinnacle West Capital Corporation     | PNW         | 2.32%                 | 0.55     | 13.83%      | 11.51%      | 8.65%   |
| PNM Resources, Inc.                   | PNM         | 2.32%                 | 0.60     | 13.83%      | 11.51%      | 9.23%   |
| Portland General Electric Company     | POR         | 2.32%                 | 0.60     | 13.83%      | 11.51%      | 9.23%   |
| PPL Corporation                       | PPL         | 2.32%                 | 0.65     | 13.83%      | 11.51%      | 9.80%   |
| Southern Company                      | SO          | 2.32%                 | 0.50     | 13.83%      | 11.51%      | 8.08%   |
| Xcel Energy Inc.                      | XEL         | 2.32%                 | 0.50     | 13.83%      | 11.51%      | 8.08%   |
| Mean                                  |             |                       |          |             |             | 9.15%   |

- Notes:

  [1] Source: Blue Chip Financial Forecasts, Vol. 38, No. 10, October 1, 2019, at 2 [2] Source: Value Line
  [3] Source: Exhibit No. AEB-8, page 7 (Analysts Long-term growth estimates)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

### CAPITAL ASSET PRICING MODEL -- LONG-TERM PROJECTED RISK-FREE RATE & VL BETA

 $K = Rf + \beta (Rm - Rf)$ 

|                                       |        | [1]                                     | [2]      | [3]         | [4]                    | [5]     |
|---------------------------------------|--------|---|----------|-------------|------------------------|---------|
|                                       |        | Projected 30-year<br>U.S. Treasury bond |          | Market      | Market Risk<br>Premium |         |
| Company                               | Ticker | yield (2021 - 2025)                     | Beta (β) | Return (Rm) | (Rm - Rf)              | ROE (K) |
| ALLETE, Inc.                          | ALE    | 3.60%                                   | 0.65     | 13.83%      | 10.23%                 | 10.25%  |
| Alliant Energy Corporation            | LNT    | 3.60%                                   | 0.60     | 13.83%      | 10.23%                 | 9.74%   |
| Ameren Corporation                    | AEE    | 3.60%                                   | 0.55     | 13.83%      | 10.23%                 | 9.23%   |
| American Electric Power Company, Inc. | AEP    | 3.60%                                   | 0.55     | 13.83%      | 10.23%                 | 9.23%   |
| Avista Corporation                    | AVA    | 3.60%                                   | 0.60     | 13.83%      | 10.23%                 | 9.74%   |
| CenterPoint Energy, Inc.              | CNP    | 3.60%                                   | 0.80     | 13.83%      | 10.23%                 | 11.78%  |
| CMS Energy Corporation                | CMS    | 3.60%                                   | 0.55     | 13.83%      | 10.23%                 | 9.23%   |
| Dominion Resources, Inc.              | D      | 3.60%                                   | 0.55     | 13.83%      | 10.23%                 | 9.23%   |
| DTE Energy Company                    | DTE    | 3.60%                                   | 0.55     | 13.83%      | 10.23%                 | 9.23%   |
| Duke Energy Corporation               | DUK    | 3.60%                                   | 0.50     | 13.83%      | 10.23%                 | 8.72%   |
| Entergy Corporation                   | ETR    | 3.60%                                   | 0.60     | 13.83%      | 10.23%                 | 9.74%   |
| Evergy, Inc.                          | EVRG   | 3.60%                                   | NMF      | 13.83%      | 10.23%                 |         |
| FirstEnergy Corporation               | FE     | 3.60%                                   | 0.60     | 13.83%      | 10.23%                 | 9.74%   |
| IDACORP, Inc.                         | IDA    | 3.60%                                   | 0.60     | 13.83%      | 10.23%                 | 9.74%   |
| NextEra Energy, Inc.                  | NEE    | 3.60%                                   | 0.55     | 13.83%      | 10.23%                 | 9.23%   |
| NorthWestern Corporation              | NWE    | 3.60%                                   | 0.60     | 13.83%      | 10.23%                 | 9.74%   |
| OGE Energy Corporation                | OGE    | 3.60%                                   | 0.80     | 13.83%      | 10.23%                 | 11.78%  |
| Pinnacle West Capital Corporation     | PNW    | 3.60%                                   | 0.55     | 13.83%      | 10.23%                 | 9.23%   |
| PNM Resources, Inc.                   | PNM    | 3.60%                                   | 0.60     | 13.83%      | 10.23%                 | 9.74%   |
| Portland General Electric Company     | POR    | 3.60%                                   | 0.60     | 13.83%      | 10.23%                 | 9.74%   |
| PPL Corporation                       | PPL    | 3.60%                                   | 0.65     | 13.83%      | 10.23%                 | 10.25%  |
| Southern Company                      | SO     | 3.60%                                   | 0.50     | 13.83%      | 10.23%                 | 8.72%   |
| Xcel Energy Inc.                      | XEL    | 3.60%                                   | 0.50     | 13.83%      | 10.23%                 | 8.72%   |
| Mean                                  |        |   |          |             |                        | 9.67%   |

- Notes:
  [1] Source: Blue Chip Financial Forecasts, Vol. 38, No. 6, June 1, 2019, at 14
  [2] Source: Value Line
  [3] Source: Exhibit No. AEB-8, page 7 (Analysts Long-term growth estimates)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

### CAPITAL ASSET PRICING MODEL -- CURRENT RISK-FREE RATE & BLOOMBERG BETA

 $K = Rf + \beta (Rm - Rf)$ 

|                                       |        | [1]                | [2]      | [3]         | [4]         | [5]     |
|---------------------------------------|--------|--------------------|----------|-------------|-------------|---------|
|                                       |        | Current 30-day     |          |             |             |         |
|                                       |        | average of 30-year |          |             | Market Risk |         |
|                                       |        | U.S. Treasury bond |          | Market      | Premium     |         |
| Company                               | Ticker | yield              | Beta (β) | Return (Rm) | (Rm - Rf)   | ROE (K) |
| ALLETE, Inc.                          | ALE    | 2.11%              | 0.70     | 13.83%      | 11.72%      | 10.34%  |
| Alliant Energy Corporation            | LNT    | 2.11%              | 0.69     | 13.83%      | 11.72%      | 10.24%  |
| Ameren Corporation                    | AEE    | 2.11%              | 0.65     | 13.83%      | 11.72%      | 9.75%   |
| American Electric Power Company, Inc. | AEP    | 2.11%              | 0.63     | 13.83%      | 11.72%      | 9.51%   |
| Avista Corporation                    | AVA    | 2.11%              | 0.70     | 13.83%      | 11.72%      | 10.35%  |
| CenterPoint Energy, Inc.              | CNP    | 2.11%              | 0.73     | 13.83%      | 11.72%      | 10.65%  |
| CMS Energy Corporation                | CMS    | 2.11%              | 0.65     | 13.83%      | 11.72%      | 9.73%   |
| Dominion Resources, Inc.              | D      | 2.11%              | 0.60     | 13.83%      | 11.72%      | 9.18%   |
| DTE Energy Company                    | DTE    | 2.11%              | 0.66     | 13.83%      | 11.72%      | 9.90%   |
| Duke Energy Corporation               | DUK    | 2.11%              | 0.53     | 13.83%      | 11.72%      | 8.37%   |
| Entergy Corporation                   | ETR    | 2.11%              | 0.65     | 13.83%      | 11.72%      | 9.69%   |
| Evergy, Inc.                          | EVRG   | 2.11%              | 0.63     | 13.83%      | 11.72%      | 9.53%   |
| FirstEnergy Corporation               | FE     | 2.11%              | 0.68     | 13.83%      | 11.72%      | 10.10%  |
| IDACORP, Inc.                         | IDA    | 2.11%              | 0.73     | 13.83%      | 11.72%      | 10.68%  |
| NextEra Energy, Inc.                  | NEE    | 2.11%              | 0.64     | 13.83%      | 11.72%      | 9.65%   |
| NorthWestern Corporation              | NWE    | 2.11%              | 0.70     | 13.83%      | 11.72%      | 10.35%  |
| OGE Energy Corporation                | OGE    | 2.11%              | 0.74     | 13.83%      | 11.72%      | 10.81%  |
| Pinnacle West Capital Corporation     | PNW    | 2.11%              | 0.66     | 13.83%      | 11.72%      | 9.87%   |
| PNM Resources, Inc.                   | PNM    | 2.11%              | 0.75     | 13.83%      | 11.72%      | 10.90%  |
| Portland General Electric Company     | POR    | 2.11%              | 0.68     | 13.83%      | 11.72%      | 10.03%  |
| PPL Corporation                       | PPL    | 2.11%              | 0.63     | 13.83%      | 11.72%      | 9.49%   |
| Southern Company                      | SO     | 2.11%              | 0.53     | 13.83%      | 11.72%      | 8.33%   |
| Xcel Energy Inc.                      | XEL    | 2.11%              | 0.58     | 13.83%      | 11.72%      | 8.90%   |
| Mean                                  |        |                    |          |             |             | 9.84%   |

### Notes:

- [1] Source: Bloomberg Professional
  [2] Source: Bloomberg Professional
  [3] Source: Exhibit No. AEB-8, page 7 (Analysts Long-term growth estimates)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

### CAPITAL ASSET PRICING MODEL -- NEAR-TERM PROJECTED RISK-FREE RATE & BLOOMBERG BETA

 $K = Rf + \beta (Rm - Rf)$ 

|                                       |          | [1]                          | [2]      | [3]         | [4]         | [5]      |
|---------------------------------------|----------|------------------------------|----------|-------------|-------------|----------|
|                                       |          | Projected 30-year            |          |             | Market Risk |          |
|                                       | <b>-</b> | U.S. Treasury bond           | D ( (0)  | Market      | Premium     | 505 (10) |
| Company                               | Ticker   | yield (2021 - 2025)<br>2.32% | Beta (β) | Return (Rm) | (Rm - Rf)   | ROE (K)  |
| ALLETE, Inc.                          | ALE      |                              | 0.70     | 13.83%      | 11.51%      | 10.40%   |
| Alliant Energy Corporation            | LNT      | 2.32%                        | 0.69     | 13.83%      | 11.51%      | 10.31%   |
| Ameren Corporation                    | AEE      | 2.32%                        | 0.65     | 13.83%      | 11.51%      | 9.82%    |
| American Electric Power Company, Inc. | AEP      | 2.32%                        | 0.63     | 13.83%      | 11.51%      | 9.58%    |
| Avista Corporation                    | AVA      | 2.32%                        | 0.70     | 13.83%      | 11.51%      | 10.42%   |
| CenterPoint Energy, Inc.              | CNP      | 2.32%                        | 0.73     | 13.83%      | 11.51%      | 10.71%   |
| CMS Energy Corporation                | CMS      | 2.32%                        | 0.65     | 13.83%      | 11.51%      | 9.80%    |
| Dominion Resources, Inc.              | D        | 2.32%                        | 0.60     | 13.83%      | 11.51%      | 9.26%    |
| DTE Energy Company                    | DTE      | 2.32%                        | 0.66     | 13.83%      | 11.51%      | 9.97%    |
| Duke Energy Corporation               | DUK      | 2.32%                        | 0.53     | 13.83%      | 11.51%      | 8.46%    |
| Entergy Corporation                   | ETR      | 2.32%                        | 0.65     | 13.83%      | 11.51%      | 9.77%    |
| Evergy, Inc.                          | EVRG     | 2.32%                        | 0.63     | 13.83%      | 11.51%      | 9.60%    |
| FirstEnergy Corporation               | FE       | 2.32%                        | 0.68     | 13.83%      | 11.51%      | 10.17%   |
| IDACORP, Inc.                         | IDA      | 2.32%                        | 0.73     | 13.83%      | 11.51%      | 10.74%   |
| NextEra Energy, Inc.                  | NEE      | 2.32%                        | 0.64     | 13.83%      | 11.51%      | 9.72%    |
| NorthWestern Corporation              | NWE      | 2.32%                        | 0.70     | 13.83%      | 11.51%      | 10.42%   |
| OGE Energy Corporation                | OGE      | 2.32%                        | 0.74     | 13.83%      | 11.51%      | 10.86%   |
| Pinnacle West Capital Corporation     | PNW      | 2.32%                        | 0.66     | 13.83%      | 11.51%      | 9.94%    |
| PNM Resources. Inc.                   | PNM      | 2.32%                        | 0.75     | 13.83%      | 11.51%      | 10.95%   |
| Portland General Electric Company     | POR      | 2.32%                        | 0.68     | 13.83%      | 11.51%      | 10.10%   |
| PPL Corporation                       | PPL      | 2.32%                        | 0.63     | 13.83%      | 11.51%      | 9.57%    |
| Southern Company                      | SO       | 2.32%                        | 0.53     | 13.83%      | 11.51%      | 8.43%    |
| Xcel Energy Inc.                      | XEL      | 2.32%                        | 0.58     | 13.83%      | 11.51%      | 8.99%    |
| Mean                                  |          |                              |          |             |             | 9.91%    |

- Notes:
  [1] Source: Blue Chip Financial Forecasts, Vol. 38, No. 10, October 1, 2019, at 2
  [2] Source: Bloomberg Professional
  [3] Source: Exhibit No. AEB-8, page 7 (Analysts Long-term growth estimates)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

CAPITAL ASSET PRICING MODEL -- LONG-TERM PROJECTED RISK-FREE RATE & BLOOMBERG BETA

|                                       |        | [1]                                     | [2]      | [3]         | [4]                    | [5]     |
|---------------------------------------|--------|---|----------|-------------|------------------------|---------|
|                                       |        | Projected 30-year<br>U.S. Treasury bond |          | Market      | Market Risk<br>Premium |         |
| Company                               | Ticker | yield (2021 - 2025)                     | Beta (β) | Return (Rm) | (Rm - Rf)              | ROE (K) |
| ALLETE, Inc.                          | ALE    | 3.60%                                   | 0.70     | 13.83%      | 10.23%                 | 10.78%  |
| Alliant Energy Corporation            | LNT    | 3.60%                                   | 0.69     | 13.83%      | 10.23%                 | 10.70%  |
| Ameren Corporation                    | AEE    | 3.60%                                   | 0.65     | 13.83%      | 10.23%                 | 10.27%  |
| American Electric Power Company, Inc. | AEP    | 3.60%                                   | 0.63     | 13.83%      | 10.23%                 | 10.06%  |
| Avista Corporation                    | AVA    | 3.60%                                   | 0.70     | 13.83%      | 10.23%                 | 10.80%  |
| CenterPoint Energy, Inc.              | CNP    | 3.60%                                   | 0.73     | 13.83%      | 10.23%                 | 11.05%  |
| CMS Energy Corporation                | CMS    | 3.60%                                   | 0.65     | 13.83%      | 10.23%                 | 10.25%  |
| Dominion Resources, Inc.              | D      | 3.60%                                   | 0.60     | 13.83%      | 10.23%                 | 9.77%   |
| DTE Energy Company                    | DTE    | 3.60%                                   | 0.66     | 13.83%      | 10.23%                 | 10.40%  |
| Duke Energy Corporation               | DUK    | 3.60%                                   | 0.53     | 13.83%      | 10.23%                 | 9.06%   |
| Entergy Corporation                   | ETR    | 3.60%                                   | 0.65     | 13.83%      | 10.23%                 | 10.22%  |
| Evergy, Inc.                          | EVRG   | 3.60%                                   | 0.63     | 13.83%      | 10.23%                 | 10.07%  |
| FirstEnergy Corporation               | FE     | 3.60%                                   | 0.68     | 13.83%      | 10.23%                 | 10.57%  |
| IDACORP, Inc.                         | IDA    | 3.60%                                   | 0.73     | 13.83%      | 10.23%                 | 11.08%  |
| NextEra Energy, Inc.                  | NEE    | 3.60%                                   | 0.64     | 13.83%      | 10.23%                 | 10.18%  |
| NorthWestern Corporation              | NWE    | 3.60%                                   | 0.70     | 13.83%      | 10.23%                 | 10.80%  |
| OGE Energy Corporation                | OGE    | 3.60%                                   | 0.74     | 13.83%      | 10.23%                 | 11.19%  |
| Pinnacle West Capital Corporation     | PNW    | 3.60%                                   | 0.66     | 13.83%      | 10.23%                 | 10.38%  |
| PNM Resources, Inc.                   | PNM    | 3.60%                                   | 0.75     | 13.83%      | 10.23%                 | 11.27%  |
| Portland General Electric Company     | POR    | 3.60%                                   | 0.68     | 13.83%      | 10.23%                 | 10.52%  |
| PPL Corporation                       | PPL    | 3.60%                                   | 0.63     | 13.83%      | 10.23%                 | 10.05%  |
| Southern Company                      | SO     | 3.60%                                   | 0.53     | 13.83%      | 10.23%                 | 9.03%   |
| Xcel Energy Inc.                      | XEL    | 3.60%                                   | 0.58     | 13.83%      | 10.23%                 | 9.53%   |
| Mean                                  |        |   |          |             |                        | 10.35%  |

- Notes:

  [1] Source: Blue Chip Financial Forecasts, Vol. 38, No. 6, June 1, 2019, at 14
  [2] Source: Bloomberg Professional
  [3] Source: Exhibit No. AEB-8, page 7 (Analysts Long-term growth estimates)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

### CAPITAL ASSET PRICING MODEL -- CURRENT RISK-FREE RATE & VL BETA

 $K = Rf + \beta (Rm - Rf)$ 

|                                       |        | [1]                | [2]      | [3]         | [4]         | [5]     |
|---------------------------------------|--------|--------------------|----------|-------------|-------------|---------|
|                                       |        | Current 30-day     |          |             |             |         |
|                                       |        | average of 30-year |          |             | Market Risk |         |
|                                       |        | U.S. Treasury bond |          | Market      | Premium     |         |
| Company                               | Ticker | yield              | Beta (β) | Return (Rm) | (Rm - Rf)   | ROE (K) |
| ALLETE, Inc.                          | ALE    | 2.11%              | 0.65     | 13.86%      | 11.74%      | 9.75%   |
| Alliant Energy Corporation            | LNT    | 2.11%              | 0.60     | 13.86%      | 11.74%      | 9.16%   |
| Ameren Corporation                    | AEE    | 2.11%              | 0.55     | 13.86%      | 11.74%      | 8.57%   |
| American Electric Power Company, Inc. | AEP    | 2.11%              | 0.55     | 13.86%      | 11.74%      | 8.57%   |
| Avista Corporation                    | AVA    | 2.11%              | 0.60     | 13.86%      | 11.74%      | 9.16%   |
| CenterPoint Energy, Inc.              | CNP    | 2.11%              | 0.80     | 13.86%      | 11.74%      | 11.51%  |
| CMS Energy Corporation                | CMS    | 2.11%              | 0.55     | 13.86%      | 11.74%      | 8.57%   |
| Dominion Resources, Inc.              | D      | 2.11%              | 0.55     | 13.86%      | 11.74%      | 8.57%   |
| DTE Energy Company                    | DTE    | 2.11%              | 0.55     | 13.86%      | 11.74%      | 8.57%   |
| Duke Energy Corporation               | DUK    | 2.11%              | 0.50     | 13.86%      | 11.74%      | 7.98%   |
| Entergy Corporation                   | ETR    | 2.11%              | 0.60     | 13.86%      | 11.74%      | 9.16%   |
| Evergy, Inc.                          | EVRG   | 2.11%              | NMF      | 13.86%      | 11.74%      |         |
| FirstEnergy Corporation               | FE     | 2.11%              | 0.60     | 13.86%      | 11.74%      | 9.16%   |
| IDACORP, Inc.                         | IDA    | 2.11%              | 0.60     | 13.86%      | 11.74%      | 9.16%   |
| NextEra Energy, Inc.                  | NEE    | 2.11%              | 0.55     | 13.86%      | 11.74%      | 8.57%   |
| NorthWestern Corporation              | NWE    | 2.11%              | 0.60     | 13.86%      | 11.74%      | 9.16%   |
| OGE Energy Corporation                | OGE    | 2.11%              | 0.80     | 13.86%      | 11.74%      | 11.51%  |
| Pinnacle West Capital Corporation     | PNW    | 2.11%              | 0.55     | 13.86%      | 11.74%      | 8.57%   |
| PNM Resources, Inc.                   | PNM    | 2.11%              | 0.60     | 13.86%      | 11.74%      | 9.16%   |
| Portland General Electric Company     | POR    | 2.11%              | 0.60     | 13.86%      | 11.74%      | 9.16%   |
| PPL Corporation                       | PPL    | 2.11%              | 0.65     | 13.86%      | 11.74%      | 9.75%   |
| Southern Company                      | SO     | 2.11%              | 0.50     | 13.86%      | 11.74%      | 7.98%   |
| Xcel Energy Inc.                      | XEL    | 2.11%              | 0.50     | 13.86%      | 11.74%      | 7.98%   |
| Mean                                  |        |                    |          |             |             | 9.08%   |

### Notes:

- [1] Source: Bloomberg Professional
  [2] Source: Value Line
  [3] Source: Exhibit No. AEB-8, page 7 (S&P Earnings and Estimates Report)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

### CAPITAL ASSET PRICING MODEL -- NEAR-TERM PROJECTED RISK-FREE RATE & VL BETA

|                                       |        | [1]                   | [2]      | [3]         | [4]         | [5]     |
|---------------------------------------|--------|-----------------------|----------|-------------|-------------|---------|
|                                       |        | Near-term projected   |          |             |             |         |
|                                       |        | 30-year U.S. Treasury |          |             | Market Risk |         |
|                                       |        | bond yield            |          | Market      | Premium     |         |
| Company                               | Ticker | (Q1 2020 - Q1 2021)   | Beta (β) | Return (Rm) | (Rm - Rf)   | ROE (K) |
| ALLETE, Inc.                          | ALE    | 2.32%                 | 0.65     | 13.86%      | 11.54%      | 9.82%   |
| Alliant Energy Corporation            | LNT    | 2.32%                 | 0.60     | 13.86%      | 11.54%      | 9.24%   |
| Ameren Corporation                    | AEE    | 2.32%                 | 0.55     | 13.86%      | 11.54%      | 8.67%   |
| American Electric Power Company, Inc. | AEP    | 2.32%                 | 0.55     | 13.86%      | 11.54%      | 8.67%   |
| Avista Corporation                    | AVA    | 2.32%                 | 0.60     | 13.86%      | 11.54%      | 9.24%   |
| CenterPoint Energy, Inc.              | CNP    | 2.32%                 | 0.80     | 13.86%      | 11.54%      | 11.55%  |
| CMS Energy Corporation                | CMS    | 2.32%                 | 0.55     | 13.86%      | 11.54%      | 8.67%   |
| Dominion Resources, Inc.              | D      | 2.32%                 | 0.55     | 13.86%      | 11.54%      | 8.67%   |
| DTE Energy Company                    | DTE    | 2.32%                 | 0.55     | 13.86%      | 11.54%      | 8.67%   |
| Duke Energy Corporation               | DUK    | 2.32%                 | 0.50     | 13.86%      | 11.54%      | 8.09%   |
| Entergy Corporation                   | ETR    | 2.32%                 | 0.60     | 13.86%      | 11.54%      | 9.24%   |
| Evergy, Inc.                          | EVRG   | 2.32%                 | NMF      | 13.86%      | 11.54%      |         |
| FirstEnergy Corporation               | FE     | 2.32%                 | 0.60     | 13.86%      | 11.54%      | 9.24%   |
| IDACORP, Inc.                         | IDA    | 2.32%                 | 0.60     | 13.86%      | 11.54%      | 9.24%   |
| NextEra Energy, Inc.                  | NEE    | 2.32%                 | 0.55     | 13.86%      | 11.54%      | 8.67%   |
| NorthWestern Corporation              | NWE    | 2.32%                 | 0.60     | 13.86%      | 11.54%      | 9.24%   |
| OGE Energy Corporation                | OGE    | 2.32%                 | 0.80     | 13.86%      | 11.54%      | 11.55%  |
| Pinnacle West Capital Corporation     | PNW    | 2.32%                 | 0.55     | 13.86%      | 11.54%      | 8.67%   |
| PNM Resources, Inc.                   | PNM    | 2.32%                 | 0.60     | 13.86%      | 11.54%      | 9.24%   |
| Portland General Electric Company     | POR    | 2.32%                 | 0.60     | 13.86%      | 11.54%      | 9.24%   |
| PPL Corporation                       | PPL    | 2.32%                 | 0.65     | 13.86%      | 11.54%      | 9.82%   |
| Southern Company                      | SO     | 2.32%                 | 0.50     | 13.86%      | 11.54%      | 8.09%   |
| Xcel Energy Inc.                      | XEL    | 2.32%                 | 0.50     | 13.86%      | 11.54%      | 8.09%   |
| Mean                                  |        |                       |          |             |             | 9.16%   |

- Notes:

  [1] Source: Blue Chip Financial Forecasts, Vol. 38, No. 10, October 1, 2019, at 2 [2] Source: Value Line
  [3] Source: Exhibit No. AEB-8, page 7 (S&P Earnings and Estimates Report)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

### CAPITAL ASSET PRICING MODEL -- LONG-TERM PROJECTED RISK-FREE RATE & VL BETA

 $K = Rf + \beta (Rm - Rf)$ 

|                                       |        | [1]                                     | [2]      | [3]         | [4]                    | [5]     |
|---------------------------------------|--------|---|----------|-------------|------------------------|---------|
|                                       |        | Projected 30-year<br>U.S. Treasury bond |          | Market      | Market Risk<br>Premium |         |
| Company                               | Ticker | yield (2021 - 2025)                     | Beta (β) | Return (Rm) | (Rm - Rf)              | ROE (K) |
| ALLETE, Inc.                          | ALE    | 3.60%                                   | 0.65     | 13.86%      | 10.26%                 | 10.27%  |
| Alliant Energy Corporation            | LNT    | 3.60%                                   | 0.60     | 13.86%      | 10.26%                 | 9.75%   |
| Ameren Corporation                    | AEE    | 3.60%                                   | 0.55     | 13.86%      | 10.26%                 | 9.24%   |
| American Electric Power Company, Inc. | AEP    | 3.60%                                   | 0.55     | 13.86%      | 10.26%                 | 9.24%   |
| Avista Corporation                    | AVA    | 3.60%                                   | 0.60     | 13.86%      | 10.26%                 | 9.75%   |
| CenterPoint Energy, Inc.              | CNP    | 3.60%                                   | 0.80     | 13.86%      | 10.26%                 | 11.81%  |
| CMS Energy Corporation                | CMS    | 3.60%                                   | 0.55     | 13.86%      | 10.26%                 | 9.24%   |
| Dominion Resources, Inc.              | D      | 3.60%                                   | 0.55     | 13.86%      | 10.26%                 | 9.24%   |
| DTE Energy Company                    | DTE    | 3.60%                                   | 0.55     | 13.86%      | 10.26%                 | 9.24%   |
| Duke Energy Corporation               | DUK    | 3.60%                                   | 0.50     | 13.86%      | 10.26%                 | 8.73%   |
| Entergy Corporation                   | ETR    | 3.60%                                   | 0.60     | 13.86%      | 10.26%                 | 9.75%   |
| Evergy, Inc.                          | EVRG   | 3.60%                                   | NMF      | 13.86%      | 10.26%                 |         |
| FirstEnergy Corporation               | FE     | 3.60%                                   | 0.60     | 13.86%      | 10.26%                 | 9.75%   |
| IDACORP, Inc.                         | IDA    | 3.60%                                   | 0.60     | 13.86%      | 10.26%                 | 9.75%   |
| NextEra Energy, Inc.                  | NEE    | 3.60%                                   | 0.55     | 13.86%      | 10.26%                 | 9.24%   |
| NorthWestern Corporation              | NWE    | 3.60%                                   | 0.60     | 13.86%      | 10.26%                 | 9.75%   |
| OGE Energy Corporation                | OGE    | 3.60%                                   | 0.80     | 13.86%      | 10.26%                 | 11.81%  |
| Pinnacle West Capital Corporation     | PNW    | 3.60%                                   | 0.55     | 13.86%      | 10.26%                 | 9.24%   |
| PNM Resources, Inc.                   | PNM    | 3.60%                                   | 0.60     | 13.86%      | 10.26%                 | 9.75%   |
| Portland General Electric Company     | POR    | 3.60%                                   | 0.60     | 13.86%      | 10.26%                 | 9.75%   |
| PPL Corporation                       | PPL    | 3.60%                                   | 0.65     | 13.86%      | 10.26%                 | 10.27%  |
| Southern Company                      | SO     | 3.60%                                   | 0.50     | 13.86%      | 10.26%                 | 8.73%   |
| Xcel Energy Inc.                      | XEL    | 3.60%                                   | 0.50     | 13.86%      | 10.26%                 | 8.73%   |
| Mean                                  |        |   |          |             |                        | 9.68%   |

- Notes:

  [1] Source: Blue Chip Financial Forecasts, Vol. 38, No. 6, June 1, 2019, at 14 [2] Source: Value Line
  [3] Source: Exhibit No. AEB-8, page 7 (S&P Earnings and Estimates Report)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

### CAPITAL ASSET PRICING MODEL -- CURRENT RISK-FREE RATE & BLOOMBERG BETA

 $K = Rf + \beta (Rm - Rf)$ 

|                                       |        | [1]                | [2]      | [3]         | [4]         | [5]     |
|---------------------------------------|--------|--------------------|----------|-------------|-------------|---------|
|                                       |        | Current 30-day     |          |             |             |         |
|                                       |        | average of 30-year |          |             | Market Risk |         |
|                                       |        | U.S. Treasury bond |          | Market      | Premium     |         |
| Company                               | Ticker | yield              | Beta (β) | Return (Rm) | (Rm - Rf)   | ROE (K) |
| ALLETE, Inc.                          | ALE    | 2.11%              | 0.70     | 13.86%      | 11.74%      | 10.36%  |
| Alliant Energy Corporation            | LNT    | 2.11%              | 0.69     | 13.86%      | 11.74%      | 10.26%  |
| Ameren Corporation                    | AEE    | 2.11%              | 0.65     | 13.86%      | 11.74%      | 9.77%   |
| American Electric Power Company, Inc. | AEP    | 2.11%              | 0.63     | 13.86%      | 11.74%      | 9.52%   |
| Avista Corporation                    | AVA    | 2.11%              | 0.70     | 13.86%      | 11.74%      | 10.37%  |
| CenterPoint Energy, Inc.              | CNP    | 2.11%              | 0.73     | 13.86%      | 11.74%      | 10.67%  |
| CMS Energy Corporation                | CMS    | 2.11%              | 0.65     | 13.86%      | 11.74%      | 9.75%   |
| Dominion Resources, Inc.              | D      | 2.11%              | 0.60     | 13.86%      | 11.74%      | 9.20%   |
| DTE Energy Company                    | DTE    | 2.11%              | 0.66     | 13.86%      | 11.74%      | 9.92%   |
| Duke Energy Corporation               | DUK    | 2.11%              | 0.53     | 13.86%      | 11.74%      | 8.38%   |
| Entergy Corporation                   | ETR    | 2.11%              | 0.65     | 13.86%      | 11.74%      | 9.71%   |
| Evergy, Inc.                          | EVRG   | 2.11%              | 0.63     | 13.86%      | 11.74%      | 9.54%   |
| FirstEnergy Corporation               | FE     | 2.11%              | 0.68     | 13.86%      | 11.74%      | 10.12%  |
| IDACORP, Inc.                         | IDA    | 2.11%              | 0.73     | 13.86%      | 11.74%      | 10.70%  |
| NextEra Energy, Inc.                  | NEE    | 2.11%              | 0.64     | 13.86%      | 11.74%      | 9.67%   |
| NorthWestern Corporation              | NWE    | 2.11%              | 0.70     | 13.86%      | 11.74%      | 10.37%  |
| OGE Energy Corporation                | OGE    | 2.11%              | 0.74     | 13.86%      | 11.74%      | 10.83%  |
| Pinnacle West Capital Corporation     | PNW    | 2.11%              | 0.66     | 13.86%      | 11.74%      | 9.89%   |
| PNM Resources, Inc.                   | PNM    | 2.11%              | 0.75     | 13.86%      | 11.74%      | 10.92%  |
| Portland General Electric Company     | POR    | 2.11%              | 0.68     | 13.86%      | 11.74%      | 10.05%  |
| PPL Corporation                       | PPL    | 2.11%              | 0.63     | 13.86%      | 11.74%      | 9.51%   |
| Southern Company                      | SO     | 2.11%              | 0.53     | 13.86%      | 11.74%      | 8.35%   |
| Xcel Energy Inc.                      | XEL    | 2.11%              | 0.58     | 13.86%      | 11.74%      | 8.92%   |
| Mean                                  |        |                    |          |             |             | 9.86%   |

### Notes:

- [1] Source: Bloomberg Professional
  [2] Source: Bloomberg Professional
  [3] Source: Exhibit No. AEB-8, page 7 (S&P Earnings and Estimates Report)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

### CAPITAL ASSET PRICING MODEL -- NEAR-TERM PROJECTED RISK-FREE RATE & BLOOMBERG BETA

 $K = Rf + \beta (Rm - Rf)$ 

|                                       |        | [1]                                     | [2]      | [3]         | [4]                    | [5]     |
|---------------------------------------|--------|---|----------|-------------|------------------------|---------|
|                                       |        | Projected 30-year<br>U.S. Treasury bond |          | Market      | Market Risk<br>Premium |         |
| Company                               | Ticker | yield (2021 - 2025)                     | Beta (β) | Return (Rm) | (Rm - Rf)              | ROE (K) |
| ALLETE, Inc.                          | ALE    | 2.32%                                   | 0.70     | 13.86%      | 11.54%                 | 10.42%  |
| Alliant Energy Corporation            | LNT    | 2.32%                                   | 0.69     | 13.86%      | 11.54%                 | 10.33%  |
| Ameren Corporation                    | AEE    | 2.32%                                   | 0.65     | 13.86%      | 11.54%                 | 9.84%   |
| American Electric Power Company, Inc. | AEP    | 2.32%                                   | 0.63     | 13.86%      | 11.54%                 | 9.60%   |
| Avista Corporation                    | AVA    | 2.32%                                   | 0.70     | 13.86%      | 11.54%                 | 10.43%  |
| CenterPoint Energy, Inc.              | CNP    | 2.32%                                   | 0.73     | 13.86%      | 11.54%                 | 10.73%  |
| CMS Energy Corporation                | CMS    | 2.32%                                   | 0.65     | 13.86%      | 11.54%                 | 9.82%   |
| Dominion Resources, Inc.              | D      | 2.32%                                   | 0.60     | 13.86%      | 11.54%                 | 9.28%   |
| DTE Energy Company                    | DTE    | 2.32%                                   | 0.66     | 13.86%      | 11.54%                 | 9.99%   |
| Duke Energy Corporation               | DUK    | 2.32%                                   | 0.53     | 13.86%      | 11.54%                 | 8.48%   |
| Entergy Corporation                   | ETR    | 2.32%                                   | 0.65     | 13.86%      | 11.54%                 | 9.78%   |
| Evergy, Inc.                          | EVRG   | 2.32%                                   | 0.63     | 13.86%      | 11.54%                 | 9.62%   |
| FirstEnergy Corporation               | FE     | 2.32%                                   | 0.68     | 13.86%      | 11.54%                 | 10.18%  |
| IDACORP, Inc.                         | IDA    | 2.32%                                   | 0.73     | 13.86%      | 11.54%                 | 10.76%  |
| NextEra Energy, Inc.                  | NEE    | 2.32%                                   | 0.64     | 13.86%      | 11.54%                 | 9.74%   |
| NorthWestern Corporation              | NWE    | 2.32%                                   | 0.70     | 13.86%      | 11.54%                 | 10.43%  |
| OGE Energy Corporation                | OGE    | 2.32%                                   | 0.74     | 13.86%      | 11.54%                 | 10.88%  |
| Pinnacle West Capital Corporation     | PNW    | 2.32%                                   | 0.66     | 13.86%      | 11.54%                 | 9.96%   |
| PNM Resources, Inc.                   | PNM    | 2.32%                                   | 0.75     | 13.86%      | 11.54%                 | 10.97%  |
| Portland General Electric Company     | POR    | 2.32%                                   | 0.68     | 13.86%      | 11.54%                 | 10.12%  |
| PPL Corporation                       | PPL    | 2.32%                                   | 0.63     | 13.86%      | 11.54%                 | 9.59%   |
| Southern Company                      | SO     | 2.32%                                   | 0.53     | 13.86%      | 11.54%                 | 8.44%   |
| Xcel Energy Inc.                      | XEL    | 2.32%                                   | 0.58     | 13.86%      | 11.54%                 | 9.00%   |
| Mean                                  |        |   |          |             |                        | 9.93%   |

- Notes:
  [1] Source: Blue Chip Financial Forecasts, Vol. 38, No. 10, October 1, 2019, at 2
  [2] Source: Bloomberg Professional
  [3] Source: Exhibit No. AEB-8, page 7 (S&P Earnings and Estimates Report)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

CAPITAL ASSET PRICING MODEL -- LONG-TERM PROJECTED RISK-FREE RATE & BLOOMBERG BETA

|                                       |        | [1]                                     | [2]      | [3]         | [4]                    | [5]     |
|---------------------------------------|--------|---|----------|-------------|------------------------|---------|
|                                       |        | Projected 30-year<br>U.S. Treasury bond |          | Market      | Market Risk<br>Premium |         |
| Company                               | Ticker | yield (2021 - 2025)                     | Beta (β) | Return (Rm) | (Rm - Rf)              | ROE (K) |
| ALLETE, Inc.                          | ALE    | 3.60%                                   | 0.70     | 13.86%      | 10.26%                 | 10.80%  |
| Alliant Energy Corporation            | LNT    | 3.60%                                   | 0.69     | 13.86%      | 10.26%                 | 10.72%  |
| Ameren Corporation                    | AEE    | 3.60%                                   | 0.65     | 13.86%      | 10.26%                 | 10.29%  |
| American Electric Power Company, Inc. | AEP    | 3.60%                                   | 0.63     | 13.86%      | 10.26%                 | 10.07%  |
| Avista Corporation                    | AVA    | 3.60%                                   | 0.70     | 13.86%      | 10.26%                 | 10.81%  |
| CenterPoint Energy, Inc.              | CNP    | 3.60%                                   | 0.73     | 13.86%      | 10.26%                 | 11.07%  |
| CMS Energy Corporation                | CMS    | 3.60%                                   | 0.65     | 13.86%      | 10.26%                 | 10.27%  |
| Dominion Resources, Inc.              | D      | 3.60%                                   | 0.60     | 13.86%      | 10.26%                 | 9.79%   |
| DTE Energy Company                    | DTE    | 3.60%                                   | 0.66     | 13.86%      | 10.26%                 | 10.42%  |
| Duke Energy Corporation               | DUK    | 3.60%                                   | 0.53     | 13.86%      | 10.26%                 | 9.07%   |
| Entergy Corporation                   | ETR    | 3.60%                                   | 0.65     | 13.86%      | 10.26%                 | 10.24%  |
| Evergy, Inc.                          | EVRG   | 3.60%                                   | 0.63     | 13.86%      | 10.26%                 | 10.09%  |
| FirstEnergy Corporation               | FE     | 3.60%                                   | 0.68     | 13.86%      | 10.26%                 | 10.59%  |
| IDACORP, Inc.                         | IDA    | 3.60%                                   | 0.73     | 13.86%      | 10.26%                 | 11.10%  |
| NextEra Energy, Inc.                  | NEE    | 3.60%                                   | 0.64     | 13.86%      | 10.26%                 | 10.20%  |
| NorthWestern Corporation              | NWE    | 3.60%                                   | 0.70     | 13.86%      | 10.26%                 | 10.81%  |
| OGE Energy Corporation                | OGE    | 3.60%                                   | 0.74     | 13.86%      | 10.26%                 | 11.21%  |
| Pinnacle West Capital Corporation     | PNW    | 3.60%                                   | 0.66     | 13.86%      | 10.26%                 | 10.39%  |
| PNM Resources, Inc.                   | PNM    | 3.60%                                   | 0.75     | 13.86%      | 10.26%                 | 11.29%  |
| Portland General Electric Company     | POR    | 3.60%                                   | 0.68     | 13.86%      | 10.26%                 | 10.53%  |
| PPL Corporation                       | PPL    | 3.60%                                   | 0.63     | 13.86%      | 10.26%                 | 10.06%  |
| Southern Company                      | so     | 3.60%                                   | 0.53     | 13.86%      | 10.26%                 | 9.05%   |
| Xcel Energy Inc.                      | XEL    | 3.60%                                   | 0.58     | 13.86%      | 10.26%                 | 9.54%   |
| Mean                                  |        |   |          |             |                        | 10.37%  |

- Notes:

  [1] Source: Blue Chip Financial Forecasts, Vol. 38, No. 6, June 1, 2019, at 14
  [2] Source: Bloomberg Professional
  [3] Source: Exhibit No. AEB-8, page 7 (S&P Earnings and Estimates Report)
  [4] Equals [3] [1]
  [5] Equals [1] + [2] x [4]

### MARKET RISK PREMIUM DERIVED FROM S&P EARNINGS AND ESTIMATE REPORT

| [6] S&P's estimate of the S&P 500 Dividend Yield | 1.98%  |
|--|--------|
| [7] S&P's estimate of the S&P 500 Growth Rate    | 11.76% |
| [8] S&P 500 Estimated Required Market Return     | 13.86% |

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

| [9] Estimated Weighted Average Dividend Yield         | 1.97%  |
|---|--------|
| [10] Estimated Weighted Average Long-Term Growth Rate | 11.74% |
| [11] S&P 500 Estimated Required Market Return         | 13.83% |

| Name      |                              |        | [12]   | [13]           | [14]             | [15]         | [16]        |
|--|------------------------------|--------|--------|----------------|------------------|--------------|-------------|
| LyndellBasell Industries NV  | Name                         | Ticker |        |                |                  |              | Long-Term   |
| American Express Co  AXP  0.38%  1.45%  0.55%  9.38%  3.57%  2.49%  Broadcom Inc  Broa | Name                         | TICKCI | IIIdox | Dividend Tiele | I DIVIGENG TIEIG | Olowiii Est. | Glowin Est. |
| Verzicon Communications Inc  | LyondellBasell Industries NV | LYB    | 0.12%  | 4.69%          | 0.55%            | 7.10%        | 0.83%       |
| Broadcom Inc   BA   O.S.   0.43%   3.84%   16.3%   13.48%   5.74%   Caterpillar Inc   BA   0.83%   2.16%   18.0%   7.93%   6.06%   Caterpillar Inc   CAT   0.28%   3.26%   0.90%   13.15%   36.3%   Caterpillar Inc   CAT   0.28%   3.26%   0.90%   13.15%   3.63%   Caterpillar Inc   CAT   0.28%   3.26%   0.90%   13.15%   3.63%   Caterpillar Inc   CAT   0.28%   3.26%   0.90%   13.15%   3.63%   Caterpillar Inc   CAT   0.28%   3.06%   0.44%   3.56%   6.05%   6.05%   Caterpillar Inc   CAT   0.88%   4.47%   4.47%   4.65%   6.05%   | American Express Co          | AXP    | 0.38%  | 1.45%          | 0.55%            | 9.36%        | 3.57%       |
| Bealing Co/The   BA  |                              |        |        |                |                  |              |             |
| Caternillar Inc  |                              |        |        |                |                  |              |             |
| JPMorgan Chase & CO Chevron Corp CVX 0.88 4.07% 4.65% 6.80% Coca-Cola ColThe NO 0.90% 2.94% 2.66% 6.96% 6.30% AbbVie Inc ABBV 0.44% 5.65% 2.46% 6.95% 2.63% Walt Disney CorThe DIS 0.91% 1.35% 1.23% 2.85% 2.66% Extra Space Storage Inc Extra Color Corp Extra Color Corp Extra Space Storage Inc Extra Color C | 3                            |        |        |                |                  |              |             |
| Chevron Corp   |                              |        |        |                |                  |              |             |
| Coca-Cola ColThe   |                              |        |        |                |                  |              |             |
| ABBV   0.44%   5.65%   2.46%   6.05%   2.63%   2.69%   FleetCor Technologies Inc   FLT   0.10%   n/a   15.58%   1.23%   2.69%   Extra Space Storage Inc   EXR   0.06%   3.08%   0.18%   1.52%   2.26   |                              |        |        |                |                  |              |             |
| Walt Disney Co/The   DIS   |                              |        |        |                |                  |              |             |
| FleetCor Technologies Inc  |                              |        |        |                |                  |              |             |
| Extra Space Storage Inc  |                              |        |        |                |                  |              |             |
| Exon Mobil Corp  |                              |        |        |                |                  |              |             |
| Phillips 66 General Electric Co General Electric Co GE 0,30% 0,45% 0,45% 1,65% 1,73% HP Inc HPQ 0,11% 3,39% 0,37% 1,66% 0,18% HP Inc HPQ 0,11% 3,39% 0,37% 1,66% 0,18% Horne Depot Inc/The HD 0,99% 2,34% 2,22% 9,37% 9,26% International Business Machines Corp IBM 0,50% 4,46% 2,23% 1,92% 0,98% Concho Resources Inc CXO 0,05% 0,74% 0,04% 13,81% 0,73% McDonald's Corp MCD 1,33% 2,94% 3,30% 6,09% 8,09% McDonald's Corp MCD 0,83% 2,33% 1,48% 8,67% 5,49% McDonald's Corp MCD 0,83% 2,33% 1,48% 8,67% 5,49% McDonald's Corp MMM 0,37% 3,50% 1,29% 11,55% 5,49% McDonald's Corp Bank of America Corp Bank 1,06% 2,47% 2,61% 2,19% 11,55% Bank of America Corp Bank 1,06% 2,47% 2,61% 2,99% 9,28% Basker Hughes a GE Co BHGE 0,06% 3,10% 0,18% 3,229% Plizer linc PFE 0,77% 4,01% 3,10% 3,88% 2,99% Proter is Gamble Co/The PG 1,21% 2,40% 2,90% 7,42% 8,99% AT&T linc T 1,07% 5,39% 5,79% 5,62% 6,04% Travelers Cos Inc/The PG 1,21% 2,40% 2,90% 7,42% 8,98% AT&T linc T 1,07% 5,39% 5,79% 5,62% 6,04% Travelers Cos Inc/The PG 1,21% 2,40% 2,90% 7,42% 8,98% United Technologies Corp UTX 0,46% 2,15% 0,99% 9,75% 4,47% Walmart Inc WMT 1,31% 1,79% 2,34% 7,97% 10,46% Walmart Inc WMT 1,31% 1,79% 2,34% 7,97% 10,46% Walmart Inc CSCO 0,82% 2,83% 2,31% 6,48% 5,28% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,47% 6,06% 10,51% 43,35% United Technologies Corp MSFT 4,13% 1,45% 1,45% 1,45% 1,45% 1,45% 1,45% 1,45 |                              |        |        |                |                  |              |             |
| General Electric Co  |                              |        |        |                |                  |              |             |
| IP Inc   |                              |        |        |                |                  |              |             |
| Home Depot Inc/The   HD  |                              |        |        |                |                  |              |             |
| International Business Machines Corp   | Home Depot Inc/The           |        |        |                |                  |              |             |
| Concho Resources Inc         CXO         0.05%         0.74%         0.04%         13,81%         0.73%           Johnson & Johnson         JNJ         1.33%         2.94%         3.90%         6.09%         8.09%           McDonald's Corp         MCD         0.63%         2.33%         1.48%         8.67%         5.49%           Merck & Co Inc         MMM         0.08%         2.61%         2.19%         11.52%         9.65%           American Water Works Co Inc         AWK         0.09%         1.61%         0.14%         8.75%         0.76%           Baker Hughes a GE Co         BHGE         0.06%         3.10%         0.18%         32.29%         1.89%           Procter & Gamble Co/The         PFE         0.77%         4.01%         2.90%         7.42%         8.98%           ATST Inc         T         1.07%         5.39%         5.62%         6.04%           Travelers Cos Inc/The         TRV         0.15%         2.21%         0.33%         12.38%         1.88%           ATST Inc         T         1.07%         5.39%         5.62%         6.04%           Travelers Cos Inc/The         TRV         0.15%         2.21%         0.33%         12.38%         1.88%   |                              |        |        |                |                  |              |             |
| McDonald's Corp  |                              | CXO    | 0.05%  | 0.74%          | 0.04%            | 13.81%       | 0.73%       |
| Merck & Co Inc   | Johnson & Johnson            | JNJ    | 1.33%  | 2.94%          | 3.90%            | 6.09%        | 8.09%       |
| MMM  | McDonald's Corp              | MCD    | 0.63%  | 2.33%          | 1.48%            | 8.67%        | 5.49%       |
| American Water Works Co Inc         AWK         0.09%         1.61%         0.14%         8.75%         0.76%           Bank of America Corp         BAC         1.06%         2.47%         2.61%         8.80%         9.29%           Baker Hughes a GE Co         BHGE         0.06%         3.10%         0.18%         32.29%         1.89%           Pfizer Inc         PFE         0.77%         4.01%         3.10%         3.88%         2.99%           Procter & Gamble Co/The         PG         1.21%         2.40%         2.90%         7.42%         8.88%           AT&T Inc         T         1.07%         5.39%         5.79%         5.62%         6.04%           Travelers Cos Inc/The         TRV         0.15%         2.21%         0.33%         12.38%         1.86%           United Technologies Corp         UTX         0.46%         2.15%         0.99%         9.75%         4.47%           Analog Devices Inc         ADI         0.16%         1.93%         0.31%         9.72%         1.56%           Analog Devices Inc         ADI         0.16%         1.193%         0.31%         9.72%         1.56%           Cisco Systems Inc         CSCO         0.82%         2.83%   |                              |        |        |                |                  |              |             |
| Bank of America Corp         BAC         1.06%         2.47%         2.61%         8.80%         9.29%           Baker Hughes a GE Co         BHGE         0.06%         3.10%         0.18%         32.29%         1.89%           Prizer Inc         PFE         0.77%         4.01%         3.10%         3.89%         2.99%           Procter & Gamble Co/The         PG         1.21%         2.40%         2.90%         7.42%         8.98%           AT&T Inc         T         1.07%         5.39%         5.79%         5.62%         6.04%           Travelers Cos Inc/The         TRV         0.15%         2.21%         0.33%         12.38%         1.86%           United Technologies Corp         UTX         0.46%         2.15%         0.99%         9.75%         4.47%           Analog Devices Inc         ADI         0.16%         1.93%         0.31%         9.72%         1.56%           Walmart Inc         WMT         1.31%         1.79%         2.34%         7.97%         10.46%           Cisco Systems Inc         CSCO         0.82%         2.83%         2.31%         6.48%         5.28%           Intel Corp         INTC         0.89%         2.45%         2.217% <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>  |                              |        |        |                |                  |              |             |
| Baker Hughes a GE Co         BHGE         0.06%         3.10%         0.18%         32.29%         1.89%           Pfizer Inc         PFE         0.77%         4.01%         3.10%         3.28%         2.99%           Procter & Gamble Co/The         PG         1.21%         2.40%         2.90%         7.42%         8.98%           AT&T Inc         T         1.07%         5.39%         5.79%         5.62%         6.04%           Travelers Cos Inc/The         TRV         0.15%         2.21%         0.33%         12.38%         1.86%           United Technologies Corp         UTX         0.46%         2.15%         0.99%         9.75%         4.47%           Analog Devices Inc         ADI         0.16%         1.93%         0.31%         9.72%         1.56%           Walmart Inc         WMT         1.31%         1.79%         2.34%         7.97%         10.46%           Cisco Systems Inc         CSCO         0.82%         2.83%         2.31%         6.48%         5.28%           Intel Corp         INTC         0.89%         2.45%         2.17%         5.98%         5.31%           General Motors Co         GM         0.21%         1.46%         0.14%         0.06   |                              |        |        |                |                  |              |             |
| Fizer Inc         PFE         0.77%         4.01%         3.10%         3.88%         2.99%           Procter & Gamble Co/The         PG         1.21%         2.40%         2.90%         7.42%         8.98%           AT&T Inc         T         1.07%         5.39%         5.79%         5.62%         6.04%           ATAT Inc         TRV         0.15%         2.21%         0.33%         12.38%         1.86%           United Technologies Corp         UTX         0.46%         2.15%         0.99%         9.75%         4.47%           Analog Devices Inc         ADI         0.16%         2.15%         0.99%         9.75%         4.47%           Analog Devices Inc         ADI         0.16%         2.15%         0.99%         9.75%         4.47%           Analog Devices Inc         ADI         0.16%         2.15%         0.33%         9.72%         1.56%           Walmart Inc         WMT         1.31%         1.79%         2.34%         7.97%         10.46%           Cisco Systems Inc         CSCO         0.82%         2.45%         2.17%         5.98%         5.31%           General Motros Co         GM         0.21%         4.06%         0.04%         10.46%  | •                            |        |        |                |                  |              |             |
| Procte & Gamble Co/The   |                              |        |        |                |                  |              |             |
| AT&T Inc         T         1.07%         5.39%         5.79%         5.62%         6.04%           Travelers Cos Inc/The         TRV         0.15%         2.21%         0.33%         12.38%         1.86%           United Technologies Corp         UTX         0.46%         2.15%         0.99%         9.75%         4.47%           Analog Devices Inc         ADI         0.16%         1.93%         0.31%         9.72%         1.56%           Walmart Inc         WMT         1.31%         1.79%         2.34%         7.97%         10.46%           Cisco Systems Inc         CSCO         0.82%         2.83%         2.31%         6.48%         5.28%           Intel Corp         INTC         0.89%         2.45%         2.17%         5.98%         5.31%           General Motors Co         GM         0.21%         4.06%         0.84%         10.46%         2.17%           Microsoft Corp         MSFT         4.13%         1.47%         6.06%         10.51%         43.35%           Dollar General Corp         DG         0.16%         0.81%         0.13%         10.68%         1.70%           Cigna Corp         CI         0.22%         0.03%         0.01%         11.24%   |                              |        |        |                |                  |              |             |
| Travelers Cos Inc/The         TRV         0.15%         2.21%         0.33%         12.38%         1.86%           United Technologies Corp         UTX         0.46%         2.15%         0.99%         9.75%         4.47%           Analog Devices Inc         ADI         0.16%         2.15%         0.99%         9.75%         4.47%           Walmart Inc         WMT         1.31%         1.79%         2.34%         7.97%         10.46%           Cisco Systems Inc         CSCO         0.82%         2.83%         2.31%         6.48%         5.28%           Intel Corp         INTC         0.89%         2.24%         2.17%         5.98%         5.31%           General Motors Co         GM         0.21%         4.06%         0.84%         10.46%         2.17%           General Motors Co         GM         0.21%         4.06%         0.84%         10.46%         2.17%           General Motors Co         GM         0.21%         4.06%         0.84%         10.46%         2.17%           Microsoft Corp         MSF         4.13%         1.47%         6.06%         10.51%         43.35%           Dollar General Corp         CI         0.26%         0.08%         0.01%   |                              |        |        |                |                  |              |             |
| United Technologies Corp         UTX         0.46%         2.15%         0.99%         9.75%         4.47%           Analog Devices Inc         ADI         0.16%         1.93%         0.31%         9.72%         1.56%           Walmart Inc         WMT         1.31%         1.79%         2.34%         7.97%         10.46%           Cisco Systems Inc         CSCO         0.82%         2.83%         2.31%         6.48%         5.28%           Intel Corp         INTC         0.89%         2.45%         2.17%         5.98%         5.31%           General Motors Co         GM         0.21%         4.06%         0.84%         10.46%         2.17%           Microsoft Corp         MSFT         4.13%         1.47%         6.06%         10.51%         43.35%           Dollar General Corp         DG         0.16%         0.81%         0.13%         10.68%         1.70%           Kinder Morgan Inc/DE         KMI         0.18%         4.85%         0.88%         11.90%         2.16%           Citigroup Inc         C         C         0.61%         2.95%         1.79%         11.65%         7.06%           American International Group Inc         AIG         0.19%         2.30%  |                              |        |        |                |                  |              |             |
| Analog Devices Inc   |                              |        |        |                |                  |              |             |
| Walmart Inc         WMIT         1.31%         1.79%         2.34%         7.97%         10.46%           Cisco Systems Inc         CSCO         0.82%         2.83%         2.31%         6.48%         5.28%           Intel Corp         IINTC         0.89%         2.45%         2.17%         5.98%         5.31%           General Motors Co         GM         0.21%         4.06%         0.84%         10.46%         2.17%           Microsoft Corp         MSFT         4.13%         1.47%         6.06%         10.51%         43.35%           Dollar General Corp         CI         0.22%         0.03%         0.01%         11.24%         2.50%           Kinder Morgan Inc/DE         KMI         0.18%         4.85%         0.88%         11.90%         2.16%           Citigroup Inc         C         0.61%         2.95%         1.79%         11.65%         7.06%           American International Group Inc         AIG         0.19%         2.30%         0.43%         11.00%         2.07%           Honeywell International Inc         HON         0.47%         2.13%         1.01%         7.70%         3.65%           Altria Group Inc         MO         0.30%         8.22%         2.44  | ů i                          |        |        |                |                  |              |             |
| Cisco Systems Inc         CSCO         0.82%         2.83%         2.31%         6.48%         5.28%           Intel Corp         INTC         0.89%         2.45%         2.17%         5.98%         5.31%           General Motors Co         GM         0.21%         4.06%         0.84%         10.46%         2.17%           Microsoft Corp         MSFT         4.13%         1.47%         6.06%         10.51%         43.35%           Dollar General Corp         DG         0.16%         0.81%         0.13%         10.68%         1.70%           Cigna Corp         CI         0.22%         0.03%         0.01%         11.24%         2.50%           Kinder Morgan Inc/DE         KMI         0.18%         4.85%         0.88%         11.90%         2.16%           Citigroup Inc         C         0.61%         2.95%         1.79%         11.65%         7.06%           American International Group Inc         AIG         0.19%         2.30%         0.43%         11.00%         2.07%           Honeywell International Inc         HON         0.47%         2.13%         1.01%         7.70%         3.65%           Altria Group Inc         MO         0.30%         8.22%         2.44% <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>   |                              |        |        |                |                  |              |             |
| INTC   |                              |        |        |                |                  |              |             |
| General Motors Co         GM         0.21%         4.06%         0.84%         10.46%         2.17%           Microsoft Corp         MSFT         4.13%         1.47%         6.06%         10.51%         43.35%           Dollar General Corp         DG         0.16%         0.81%         0.13%         10.68%         1.70%           Cigna Corp         CI         0.22%         0.03%         0.01%         11.24%         2.50%           Kinder Morgan Inc/DE         KMI         0.18%         4.85%         0.88%         11.90%         2.16%           Citigroup Inc         C         0.61%         2.95%         1.79%         11.65%         7.06%           American International Group Inc         AIG         0.19%         2.30%         0.43%         11.00%         2.07%           Honeywell International Inc         HON         0.47%         2.13%         1.01%         7.70%         3.65%           Altria Group Inc         MO         0.30%         8.22%         2.44%         7.10%         2.11%           HCA Healthcare Inc         MC         0.16%         1.33%         0.21%         10.20%         1.63%           Under Armour Inc         ILIA         0.016%         1.78%         0  |                              |        |        |                |                  |              |             |
| Microsoft Corp   MSFT   4.13%   1.47%   6.06%   10.51%   43.35%   Dollar General Corp   DG   0.16%   0.81%   0.13%   10.68%   1.70%   1.068%   1.70%   1.068%   1.70%   1.068%   1.70%   1.068%   1.70%   1.068%   1.70%   1.068%   1.70%   1.068%   1.70%   1.068%   1.70%   1.068%   1.70%   1.068%   1.06%   1.068%   1.06%   1.0   | •                            | GM     |        |                |                  |              |             |
| Cigna Corp         CI         0.22%         0.03%         0.01%         11.24%         2.50%           Kinder Morgan Inc/DE         KMII         0.18%         4.85%         0.88%         11.90%         2.16%           Citigroup Inc         C         0.61%         2.95%         1.79%         11.65%         7.06%           American International Group Inc         AIG         0.19%         2.30%         0.43%         11.00%         2.07%           Honeywell International Inc         HON         0.47%         2.13%         1.01%         7.70%         3.65%           Altria Group Inc         MO         0.30%         8.22%         2.44%         7.10%         2.11%           HCA Healthcare Inc         HCA         0.16%         1.33%         0.21%         10.20%         1.63%           Under Armour Inc         UAA         0.01%         n/a         n/a         30.97%         0.45%           International Paper Co         IP         0.06%         4.78%         0.31%         4.55%         0.29%           Hewlett Packard Enterprise Co         HPE         0.08%         2.97%         0.23%         6.07%         0.47%           Abbott Laboratories         ABT         0.57%         1.53%   | Microsoft Corp               | MSFT   | 4.13%  | 1.47%          | 6.06%            |              | 43.35%      |
| Kinder Morgan Inc/DE         KMI         0.18%         4.85%         0.88%         11.90%         2.16%           Citigroup Inc         C         0.61%         2.95%         1.79%         11.65%         7.06%           American International Group Inc         AIG         0.19%         2.30%         0.43%         11.00%         2.07%           Honeywell International Inc         HON         0.47%         2.13%         1.01%         7.70%         3.65%           Altria Group Inc         MO         0.30%         8.22%         2.44%         7.10%         2.11%           HCA Healthcare Inc         HCA         0.16%         1.33%         0.21%         10.20%         1.63%           Under Armour Inc         UAA         0.01%         n/a         n/a         30.97%         0.45%           International Paper Co         IP         0.06%         4.78%         0.31%         4.55%         0.29%           Hewlett Packard Enterprise Co         HPE         0.08%         2.97%         0.23%         6.07%         0.47%           Abbott Laboratories         ABT         0.57%         1.53%         0.88%         9.58%         5.51%           Aflac Inc         AFL         0.15%         2.06%   | Dollar General Corp          | DG     | 0.16%  | 0.81%          | 0.13%            | 10.68%       | 1.70%       |
| Citigroup Inc         C         0.61%         2.95%         1.79%         11.65%         7.06%           American International Group Inc         AIG         0.19%         2.30%         0.43%         11.00%         2.07%           Honeywell International Inc         HON         0.47%         2.13%         1.01%         7.70%         3.65%           Altria Group Inc         MO         0.30%         8.22%         2.44%         7.10%         2.11%           HCA Healthcare Inc         HCA         0.16%         1.33%         0.21%         10.20%         1.63%           Under Armour Inc         UAA         0.01%         n/a         n/a         30.97%         0.45%           International Paper Co         IP         0.06%         4.78%         0.31%         4.55%         0.29%           Hewlett Packard Enterprise Co         HPE         0.08%         2.97%         0.23%         6.07%         0.47%           Albact Inc         ABT         0.57%         1.53%         0.88%         9.58%         5.51%           Aflac Inc         APL         0.15%         2.06%         0.31%         4.52%         0.68%           Air Products & Chemicals Inc         APD         0.19%         2.08%   | Cigna Corp                   | CI     | 0.22%  | 0.03%          | 0.01%            | 11.24%       | 2.50%       |
| American International Group Inc         AIG         0.19%         2.30%         0.43%         11.00%         2.07%           Honeywell International Inc         HON         0.47%         2.13%         1.01%         7.70%         3.65%           Altria Group Inc         MO         0.30%         8.22%         2.44%         7.10%         2.11%           HCA Healthcare Inc         HCA         0.16%         1.33%         0.21%         10.20%         1.63%           Under Armour Inc         UAA         0.01%         n/a         n/a         30.97%         0.45%           International Paper Co         IP         0.06%         4.78%         0.31%         4.55%         0.29%           Hewlett Packard Enterprise Co         IPE         0.08%         2.97%         0.23%         6.07%         0.47%           Abbott Laboratories         ABT         0.57%         1.53%         0.88%         9.58%         5.51%           Aflac Inc         ABT         0.15%         2.06%         0.31%         4.52%         0.68%           Afier Products & Chemicals Inc         APD         0.19%         2.06%         0.31%         4.52%         0.68%           Air Products & Chemicals Inc         APD         0.19%  | Kinder Morgan Inc/DE         |        | 0.18%  | 4.85%          | 0.88%            | 11.90%       | 2.16%       |
| Honeywell International Inc.   | · .                          |        |        |                |                  |              |             |
| Altria Group Inc         MO         0.30%         8.22%         2.44%         7.10%         2.11%           HCA Healthcare Inc         HCA         0.16%         1.33%         0.21%         10.20%         1.63%           Under Armour Inc         UAA         0.01%         n/a         n/a         30.97%         0.45%           International Paper Co         IP         0.06%         4.78%         0.31%         4.55%         0.29%           Hewlett Packard Enterprise Co         HPE         0.08%         2.97%         0.23%         6.07%         0.47%           Abbott Laboratories         ABT         0.57%         1.53%         0.88%         9.58%         5.51%           Aflac Inc         AFL         0.15%         2.06%         0.31%         4.52%         0.68%           Air Products & Chemicals Inc         APD         0.19%         2.09%         0.40%         12.71%         2.42%           Royal Caribbean Cruises Ltd         RCL         0.09%         2.88%         0.25%         11.00%         0.97%           American Electric Power Co Inc         AEP         0.18%         2.86%         0.51%         5.78%         1.04%           Hess Corp         HES         0.07%         1.65%  |                              |        |        |                |                  |              |             |
| HCA Healthcare Inc         HCA         0.16%         1.33%         0.21%         10.20%         1.63%           Under Armour Inc         UAA         0.01%         n/a         n/a         30.97%         0.45%           International Paper Co         IP         0.06%         4.78%         0.31%         4.55%         0.29%           Hewlett Packard Enterprise Co         HPE         0.08%         2.97%         0.23%         6.07%         0.47%           Abbott Laboratories         ABT         0.57%         1.53%         0.88%         9.58%         5.51%           Aflac Inc         AFL         0.15%         2.06%         0.31%         4.52%         0.68%           Aflac Inc         APD         0.19%         2.09%         0.40%         12.71%         2.42%           Aflac Inc         APD         0.19%         2.09%         0.40%         12.71%         2.42%           Royal Caribbean Cruises Ltd         RCL         0.09%         2.88%         0.25%         11.00%         0.97%           American Electric Power Co Inc         AEP         0.18%         2.86%         0.51%         5.78%         1.04%           Hess Corp         HES         0.07%         1.65%         0.12%  |                              |        |        |                |                  |              |             |
| Under Armour Inc         UAA         0.01%         n/a         n/a         30.97%         0.45%           International Paper Co         IP         0.06%         4.78%         0.31%         4.55%         0.29%           Hewlett Packard Enterprise Co         HPE         0.08%         2.97%         0.23%         6.07%         0.47%           Abbott Laboratories         ABT         0.57%         1.53%         0.88%         9.58%         5.51%           Aflac Inc         AFL         0.15%         2.06%         0.31%         4.52%         0.68%           Air Products & Chemicals Inc         APD         0.19%         2.09%         0.40%         12.71%         2.42%           Royal Caribbean Cruises Ltd         RCL         0.09%         2.88%         0.25%         11.00%         0.97%           American Electric Power Co Inc         AEP         0.18%         2.86%         0.51%         5.78%         1.04%           Hess Corp         HES         0.07%         1.65%         0.12%         5.43%         -0.39%           Aon PLC         AON         0.18%         0.91%         0.16%         10.90%         1.93%           Apache Corp         APA         0.04%         3.91%         0  |                              |        |        |                |                  |              |             |
| International Paper Co   |                              |        |        |                |                  |              |             |
| Hewlett Packard Enterprise Co         HPE         0.08%         2.97%         0.23%         6.07%         0.47%           Abbott Laboratories         ABT         0.57%         1.53%         0.88%         9.58%         5.51%           Aflac Inc         AFL         0.15%         2.06%         0.31%         4.52%         0.68%           Air Products & Chemicals Inc         APD         0.19%         2.09%         0.40%         12.71%         2.42%           Royal Caribbean Cruises Ltd         RCL         0.09%         2.88%         0.25%         11.00%         0.97%           American Electric Power Co Inc         AEP         0.18%         2.86%         0.51%         5.78%         1.04%           Hess Corp         HES         0.07%         1.65%         0.12%         -5.43%         -0.39%           Aon PLC         AON         0.18%         0.91%         0.16%         10.90%         1.93%           Apache Corp         APA         0.04%         3.91%         0.15%         -8.57%         -0.32%           Archer-Daniels-Midland Co         ADM         0.09%         3.41%         0.30%         0.10%         0.01%           Automatic Data Processing Inc         VRSK         0.10%  |                              |        |        |                |                  |              |             |
| Abbott Laboratories         ABT         0.57%         1.53%         0.88%         9.58%         5.51%           Aflac Inc         AFL         0.15%         2.06%         0.31%         4.52%         0.68%           Air Products & Chemicals Inc         APD         0.19%         2.09%         0.40%         12.71%         2.42%           Royal Caribbean Cruises Ltd         RCL         0.09%         2.88%         0.25%         11.00%         0.97%           American Electric Power Co Inc         AEP         0.18%         2.86%         0.51%         5.78%         1.04%           Hess Corp         HES         0.07%         1.65%         0.12%         -5.43%         -0.39%           Aon PLC         AON         0.18%         0.91%         0.16%         10.90%         1.93%           Apache Corp         APA         0.04%         3.91%         0.15%         -8.57%         -0.32%           Archer-Daniels-Midland Co         ADM         0.09%         3.41%         0.30%         0.10%         0.01%           Automatic Data Processing Inc         ADP         0.27%         1.96%         0.53%         12.55%         3.42%           Verisk Analytics Inc         VRSK         0.10%         0.63% <td></td> <td>**</td> <td></td> <td></td> <td></td> <td></td> <td></td>  |                              | **     |        |                |                  |              |             |
| Aflac Inc         AFL         0.15%         2.06%         0.31%         4.52%         0.68%           Air Products & Chemicals Inc         APD         0.19%         2.09%         0.40%         12.71%         2.42%           Royal Caribbean Cruises Ltd         RCL         0.09%         2.88%         0.25%         11.00%         0.97%           American Electric Power Co Inc         AEP         0.18%         2.86%         0.51%         5.78%         1.04%           Hess Corp         HES         0.07%         1.65%         0.12%         -5.43%         -0.39%           Aon PLC         AON         0.18%         0.91%         0.16%         10.90%         1.93%           Apache Corp         APA         0.04%         3.91%         0.15%         -8.57%         -0.32%           Archer-Daniels-Midland Co         ADM         0.09%         3.41%         0.30%         0.10%         0.01%           Automatic Data Processing Inc         VRSK         0.10%         0.63%         0.06%         18.47%         1.86%   |                              |        |        |                |                  |              |             |
| Air Products & Chemicals Inc         APD         0.19%         2.09%         0.40%         12.71%         2.42%           Royal Caribbean Cruises Ltd         RCL         0.09%         2.88%         0.25%         11.00%         0.97%           American Electric Power Co Inc         AEP         0.18%         2.86%         0.51%         5.78%         1.04%           Hess Corp         HES         0.07%         1.65%         0.12%         -5.43%         -0.39%           Aon PLC         AON         0.18%         0.91%         0.16%         10.90%         1.93%           Apache Corp         APA         0.04%         3.91%         0.15%         -8.57%         -0.32%           Archer-Daniels-Midland Co         ADM         0.09%         3.41%         0.30%         0.10%         0.01%           Automatic Data Processing Inc         APP         0.27%         1.96%         0.53%         12.55%         3.42%           Verisk Analytics Inc         VRSK         0.10%         0.63%         0.06%         18.47%         1.86%   |                              |        |        |                |                  |              |             |
| Royal Caribbean Cruises Ltd         RCL         0.09%         2.88%         0.25%         11.00%         0.97%           American Electric Power Co Inc         AEP         0.18%         2.86%         0.51%         5.78%         1.04%           Hess Corp         HES         0.07%         1.65%         0.12%         -5.43%         -0.39%           Aon PLC         AON         0.18%         0.91%         0.16%         10.90%         1.93%           Apache Corp         APA         0.04%         3.91%         0.15%         -8.57%         -0.32%           Archer-Daniels-Midland Co         ADM         0.09%         3.41%         0.30%         0.10%         0.01%           Automatic Data Processing Inc         ADP         0.27%         1.96%         0.53%         12.55%         3.42%           Verisk Analytics Inc         VRSK         0.10%         0.63%         0.06%         18.47%         1.86%   |                              |        |        |                |                  |              |             |
| American Electric Power Co Inc         AEP         0.18%         2.86%         0.51%         5.78%         1.04%           Hess Corp         HES         0.07%         1.65%         0.12%         -5.43%         -0.39%           Aon PLC         AON         0.18%         0.91%         0.16%         10.90%         1.93%           Apache Corp         APA         0.04%         3.91%         0.15%         -8.57%         -0.32%           Archer-Daniels-Midland Co         ADM         0.09%         3.41%         0.30%         0.10%         0.01%           Automatic Data Processing Inc         ADP         0.27%         1.96%         0.53%         12.55%         3.42%           Versik Analytics Inc         VRSK         0.10%         0.63%         0.06%         18.47%         1.86%  |                              |        |        |                |                  |              |             |
| Hess Corp         HES         0.07%         1.65%         0.12%         -5.43%         -0.39%           Aon PLC         AON         0.18%         0.91%         0.16%         10.90%         1.93%           Apache Corp         APA         0.04%         3.91%         0.15%         -8.57%         -0.32%           Archer-Daniels-Midland Co         ADM         0.09%         3.41%         0.30%         0.10%         0.01%           Automatic Data Processing Inc         ADP         0.27%         1.96%         0.53%         12.55%         3.42%           Verisk Analytics Inc         VRSK         0.10%         0.63%         0.06%         18.47%         1.86%   |                              |        |        |                |                  |              |             |
| Aon PLC         AON         0.18%         0.91%         0.16%         10.90%         1.93%           Apache Corp         APA         0.04%         3.91%         0.15%         -8.57%         -0.32%           Archer-Daniels-Midland Co         ADM         0.09%         3.41%         0.30%         0.10%         0.01%           Automatic Data Processing Inc         APP         0.27%         1.96%         0.53%         12.55%         3.42%           Verisk Analytics Inc         VRSK         0.10%         0.63%         0.06%         18.47%         1.86%   |                              |        |        |                |                  |              |             |
| Apache Corp         APA         0.04%         3.91%         0.15%         -8.57%         -0.32%           Archer-Daniels-Midland Co         ADM         0.09%         3.41%         0.30%         0.10%         0.01%           Automatic Data Processing Inc         ADP         0.27%         1.96%         0.53%         12.55%         3.42%           Verisk Analytics Inc         VRSK         0.10%         0.63%         0.06%         18.47%         1.86%  |                              |        |        |                |                  |              |             |
| Archer-Daniels-Midland Co         ADM         0.09%         3.41%         0.30%         0.10%         0.01%           Automatic Data Processing Inc         ADP         0.27%         1.96%         0.53%         12.55%         3.42%           Verisk Analytics Inc         VRSK         0.10%         0.63%         0.06%         18.47%         1.86%  |                              |        |        |                |                  |              |             |
| Automatic Data Processing Inc         ADP         0.27%         1.96%         0.53%         12.55%         3.42%           Verisk Analytics Inc         VRSK         0.10%         0.63%         0.06%         18.47%         1.86%  |                              |        |        |                |                  |              |             |
|  |                              | ADP    | 0.27%  | 1.96%          | 0.53%            | 12.55%       | 3.42%       |
| AutoZone Inc AZO 0.10% n/a n/a 11.26% 1.16%  | Verisk Analytics Inc         |        | 0.10%  | 0.63%          | 0.06%            | 18.47%       | 1.86%       |
|  | AutoZone Inc                 | AZO    | 0.10%  | n/a            | n/a              | 11.26%       | 1.16%       |

|   |                  | [12]                    | [13]           | [14]                           | [15]            | [16]<br>Cap-Weight     |
|---|------------------|-------------------------|----------------|--------------------------------|-----------------|------------------------|
| Name  | Ticker           | Weight in<br>Index      |                | Cap-Weighted<br>Dividend Yield |                 | Long-Teri<br>Growth Es |
| very Dennison Corp  | AVY              | 0.04%                   | 2.04%          | 0.08%                          | 4.95%           | 0.18%                  |
| ISCI Inc  | MSCI             | 0.07%                   | 1.25%          | 0.09%                          | 11.43%          | 0.82%                  |
| all Corp  | BLL              | 0.09%                   | 0.82%          | 0.08%                          | 6.70%           | 0.63%                  |
| ank of New York Mellon Corp/The   | BK               | 0.17%                   | 2.74%          | 0.45%                          | 6.47%           | 1.07%                  |
| laxter International Inc  | BAX              | 0.17%                   | 1.01%          | 0.17%                          | 11.96%          | 2.08%                  |
| secton Dickinson and Co   | BDX              | 0.27%                   | 1.22%          | 0.32%                          | 12.19%          | 3.24%                  |
| Berkshire Hathaway Inc  | BRK/B            | 1.12%                   | n/a            | n/a                            | 61.80%          | 69.28%                 |
| lest Buy Co Inc   | BBY              | 0.07%                   | 2.90%          | 0.20%                          | 6.60%           | 0.47%                  |
| I&R Block Inc   | HRB              | 0.02%                   | 4.40%          | 0.08%                          | 10.00%          | 0.18%                  |
| Soston Scientific Corp  | BSX              | 0.22%                   | n/a            | n/a                            | 8.88%           | 1.96%                  |
| ristol-Myers Squibb Co  | BMY              | 0.32%                   | 3.23%          | 1.04%                          | 7.96%           | 2.57%                  |
| ortune Brands Home & Security Inc   | FBHS<br>BF/B     | 0.03%                   | 1.61%          | 0.05%                          | 9.61%           | 0.29%                  |
| rown-Forman Corp<br>Cabot Oil & Gas Corp  | COG              | 0.08%<br>0.03%          | 1.06%<br>2.05% | 0.08%<br>0.06%                 | 6.44%<br>34.52% | 0.48%<br>0.99%         |
| Campbell Soup Co  | CPB              | 0.05%                   | 2.98%          | 0.16%                          | 7.04%           | 0.99%                  |
| ansas City Southern   | KSU              | 0.05%                   | 1.08%          | 0.06%                          | 12.73%          | 0.59%                  |
| lilton Worldwide Holdings Inc   | HLT              | 0.03%                   | 0.64%          | 0.07%                          | 12.73%          | 1.28%                  |
| Carnival Corp   | CCL              | 0.10%                   | 4.58%          | 0.41%                          | 8.47%           | 0.76%                  |
| Parrival Corp<br>Porvo Inc  | QRVO             | 0.03%                   | n/a            | n/a                            | 10.76%          | 0.70%                  |
|   | CTL              | 0.05%                   | 8.01%          | 0.42%                          | 5.06%           | 0.37 %                 |
| enturyLink Inc<br>IDR Inc   | UDR              | 0.05%                   | 2.83%          | 0.42%                          | 6.37%           | 0.27%                  |
| lorox Co/The  | CLX              | 0.00%                   | 2.79%          | 0.10%                          | 3.91%           | 0.33%                  |
| MS Energy Corp  | CMS              | 0.07%                   | 2.39%          | 0.17%                          | 7.20%           | 0.51%                  |
| lewell Brands Inc   | NWL              | 0.03%                   | 4.91%          | 0.15%                          | -3.42%          | -0.11%                 |
| Colgate-Palmolive Co  | CL               | 0.05%                   | 2.34%          | 0.13%                          | 4.52%           | 1.11%                  |
| Comerica Inc  | CMA              | 0.23%                   | 4.06%          | 0.16%                          | 12.93%          | 0.50%                  |
| PG Photonics Corp   | IPGP             | 0.03%                   | n/a            | n/a                            | 6.13%           | 0.17%                  |
| Conagra Brands Inc  | CAG              | 0.06%                   | 2.77%          | 0.16%                          | 7.60%           | 0.44%                  |
| Consolidated Edison Inc   | ED               | 0.12%                   | 3.13%          | 0.38%                          | 3.88%           | 0.47%                  |
| SL Green Realty Corp  | SLG              | 0.03%                   | 4.16%          | 0.11%                          | 6.80%           | 0.18%                  |
| Corning Inc   | GLW              | 0.09%                   | 2.81%          | 0.24%                          | 9.34%           | 0.81%                  |
| Cummins Inc   | CMI              | 0.10%                   | 3.22%          | 0.32%                          | 6.70%           | 0.67%                  |
| Panaher Corp  | DHR              | 0.40%                   | 0.47%          | 0.19%                          | 14.95%          | 6.02%                  |
| arget Corp  | TGT              | 0.21%                   | 2.47%          | 0.52%                          | 8.23%           | 1.75%                  |
| Deere & Co  | DE               | 0.21%                   | 1.80%          | 0.37%                          | 6.51%           | 1.34%                  |
| Oominion Energy Inc   | D                | 0.25%                   | 4.53%          | 1.15%                          | 4.53%           | 1.15%                  |
| Oover Corp  | DOV              | 0.06%                   | 1.97%          | 0.11%                          | 10.97%          | 0.62%                  |
| Iliant Energy Corp  | LNT              | 0.05%                   | 2.63%          | 0.13%                          | 5.63%           | 0.28%                  |
| Ouke Energy Corp  | DUK              | 0.27%                   | 3.94%          | 1.07%                          | 5.01%           | 1.36%                  |
| Regency Centers Corp  | REG              | 0.05%                   | 3.37%          | 0.15%                          | 4.62%           | 0.21%                  |
| aton Corp PLC   | ETN              | 0.14%                   | 3.42%          | 0.46%                          | 8.60%           | 1.17%                  |
| colab Inc   | ECL              | 0.22%                   | 0.93%          | 0.21%                          | 13.13%          | 2.91%                  |
| PerkinElmer Inc   | PKI              | 0.04%                   | 0.33%          | 0.01%                          | 16.84%          | 0.62%                  |
| merson Electric Co  | EMR              | 0.16%                   | 2.93%          | 0.47%                          | 8.06%           | 1.29%                  |
| OG Resources Inc  | EOG              | 0.17%                   | 1.55%          | 0.26%                          | 6.50%           | 1.09%                  |
| intergy Corp  | ETR              | 0.09%                   | 3.10%          | 0.28%                          | 0.08%           | 0.01%                  |
| quifax Inc  | EFX              | 0.07%                   | 1.11%          | 0.07%                          | 8.74%           | 0.58%                  |
| QVIA Holdings Inc   | IQV              | 0.11%                   | n/a            | n/a                            | 17.75%          | 2.02%                  |
| Sartner Inc   | IT               | 0.05%                   | n/a            | n/a                            | 13.08%          | 0.66%                  |
| edEx Corp   | FDX              | 0.15%                   | 1.79%          | 0.26%                          | 20.72%          | 3.06%                  |
| facy's Inc  | M                | 0.02%                   | 9.72%          | 0.18%                          | 3.50%           | 0.07%                  |
| MC Corp   | FMC              | 0.04%                   | 1.82%          | 0.08%                          | 9.00%           | 0.40%                  |
| ord Motor Co  | F                | 0.14%                   | 6.55%          | 0.91%                          | 2.58%           | 0.36%                  |
| lextEra Energy Inc  | NEE              | 0.44%                   | 2.15%          | 0.95%                          | 5.46%           | 2.42%                  |
| ranklin Resources Inc   | BEN              | 0.06%                   | 3.60%          | 0.20%                          | 10.00%          | 0.57%                  |
| reeport-McMoRan Inc   | FCX              | 0.05%                   | 2.09%          | 0.11%                          | 3.81%           | 0.21%                  |
| Sap Inc/The   | GPS              | 0.03%                   | 5.59%          | 0.14%                          | 5.03%           | 0.13%                  |
| eneral Dynamics Corp  | GD               | 0.21%                   | 2.23%          | 0.46%                          | 8.54%           | 1.75%                  |
| eneral Mills Inc  | GIS              | 0.13%                   | 3.56%          | 0.46%                          | 6.50%           | 0.84%                  |
| Senuine Parts Co  | GPC              | 0.06%                   | 3.06%          | 0.17%                          | 4.77%           | 0.27%                  |
| tmos Energy Corp  | ATO              | 0.05%                   | 1.84%          | 0.10%                          | 7.50%           | 0.39%                  |
| VW Grainger Inc   | GWW              | 0.06%                   | 1.94%          | 0.12%                          | 10.90%          | 0.69%                  |
| lalliburton Co  | HAL              | 0.06%                   | 3.82%          | 0.25%                          | 5.55%           | 0.36%                  |
| arley-Davidson Inc  | HOG              | 0.02%                   | 4.17%          | 0.09%                          | 5.90%           | 0.13%                  |
| 3Harris Technologies Inc  | LHX              | 0.18%                   | 1.44%          | 0.26%                          | n/a             | n/a                    |
| CP Inc  | HCP              | 0.07%                   | 4.15%          | 0.28%                          | 2.94%           | 0.20%                  |
| elmerich & Payne Inc  | HP               | 0.02%                   | 7.09%          | 0.12%                          | 6.57%           | 0.11%                  |
| ortive Corp   | FTV              | 0.09%                   | 0.41%          | 0.04%                          | 9.23%           | 0.83%                  |
| ershey Co/The   | HSY              | 0.09%                   | 2.00%          | 0.18%                          | 7.07%           | 0.63%                  |
| ynchrony Financial  | SYF              | 0.09%                   | 2.58%          | 0.23%                          | 6.57%           | 0.58%                  |
| ormel Foods Corp  | HRL              | 0.09%                   | 1.92%          | 0.17%                          | 5.70%           | 0.52%                  |
| rthur J Gallagher & Co  | AJG              | 0.06%                   | 1.92%          | 0.12%                          | 9.83%           | 0.64%                  |
| londelez International Inc  | MDLZ             | 0.31%                   | 2.06%          | 0.64%                          | 8.55%           | 2.65%                  |
| enterPoint Energy Inc   | CNP              | 0.06%                   | 3.81%          | 0.22%                          | 5.90%           | 0.35%                  |
| umana Inc   | HUM              | 0.13%                   | 0.86%          | 0.12%                          | 12.83%          | 1.72%                  |
| Villis Towers Watson PLC  | WLTW             | 0.10%                   | 1.35%          | 0.13%                          | 14.40%          | 1.39%                  |
| linois Tool Works Inc   | ITW              | 0.20%                   | 2.74%          | 0.54%                          | 6.52%           | 1.28%                  |
| CDW Corp/DE   | CDW              | 0.07%                   | 0.96%          | 0.07%                          | 13.55%          | 0.94%                  |
|   |                  |                         |                |                                |                 | 4 4 0 0 /              |
| ngersoll-Rand PLC   | IR               | 0.12%                   | 1.72%          | 0.20%                          | 9.48%           | 1.10%                  |
| ngersoll-Rand PLC<br>nterpublic Group of Cos Inc/The<br>nternational Flavors & Fragrances Inc | IR<br>IPG<br>IFF | 0.12%<br>0.03%<br>0.05% | 4.36%<br>2.45% | 0.20%<br>0.14%<br>0.12%        | 5.85%<br>12.65% | 0.19%<br>0.64%         |

|   |             | [12]                    | [13]                    | [14]                    | [15]                     | [16]                      |
|---|-------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|
|   |             | Weight in               | Estimated               | Cap-Weighted            | Long-Term                | Cap-Weighted<br>Long-Term |
| Name  | Ticker      | Index                   | Dividend Yield          | Dividend Yield          | Growth Est.              | Growth Est.               |
| Hanesbrands Inc   | HBI         | 0.02%                   | 3.92%                   | 0.08%                   | 5.08%                    | 0.11%                     |
| Kellogg Co  | K           | 0.09%                   | 3.54%                   | 0.30%                   | 2.09%                    | 0.18%                     |
| Broadridge Financial Solutions Inc<br>Perrigo Co PLC    | BR<br>PRGO  | 0.06%<br>0.03%          | 1.74%<br>1.50%          | 0.10%<br>0.04%          | 7.80%<br>-1.60%          | 0.43%<br>-0.05%           |
| Kimberly-Clark Corp                                     | KMB         | 0.03%                   | 2.90%                   | 0.55%                   | 4.78%                    | 0.91%                     |
| Kimco Realty Corp                                       | KIM         | 0.03%                   | 5.36%                   | 0.18%                   | 3.99%                    | 0.14%                     |
| Kohl's Corp   | KSS         | 0.03%                   | 5.40%                   | 0.17%                   | 6.17%                    | 0.19%                     |
| Oracle Corp   | ORCL        | 0.70%                   | 1.74%                   | 1.23%                   | 8.38%                    | 5.89%                     |
| Kroger Co/The<br>Leggett & Platt Inc                    | KR<br>LEG   | 0.08%<br>0.02%          | 2.48%<br>3.91%          | 0.20%<br>0.08%          | 4.75%<br>n/a             | 0.38%<br>n/a              |
| Lennar Corp   | LEN         | 0.02%                   | 0.29%                   | 0.02%                   | 9.42%                    | 0.58%                     |
| Eli Lilly & Co  | LLY         | 0.42%                   | 2.31%                   | 0.97%                   | 9.93%                    | 4.17%                     |
| L Brands Inc  | LB          | 0.02%                   | 6.13%                   | 0.13%                   | 9.23%                    | 0.19%                     |
| Charter Communications Inc                              | CHTR        | 0.35%                   | n/a                     | n/a                     | 29.71%                   | 10.54%                    |
| Lincoln National Corp<br>Loews Corp                     | LNC<br>L    | 0.05%<br>0.06%          | 2.45%<br>0.49%          | 0.12%<br>0.03%          | 9.00%<br>n/a             | 0.42%<br>n/a              |
| Lowe's Cos Inc  | LOW         | 0.33%                   | 2.00%                   | 0.66%                   | 14.56%                   | 4.80%                     |
| Host Hotels & Resorts Inc                               | HST         | 0.05%                   | 4.63%                   | 0.23%                   | 19.82%                   | 0.97%                     |
| Xerox Holdings Corp                                     | XRX         | 0.03%                   | 3.34%                   | 0.09%                   | 6.20%                    | 0.16%                     |
| IDEX Corp   | IEX         | 0.05%                   | 1.22%                   | 0.06%                   | 11.20%                   | 0.54%                     |
| Marsh & McLennan Cos Inc                                | MMC         | 0.20%                   | 1.82%                   | 0.36%                   | 12.58%                   | 2.48%                     |
| Masco Corp<br>S&P Global Inc                            | MAS<br>SPGI | 0.05%<br>0.23%          | 1.30%<br>0.93%          | 0.06%<br>0.22%          | 9.19%<br>10.47%          | 0.43%<br>2.46%            |
| Medtronic PLC   | MDT         | 0.57%                   | 1.99%                   | 1.13%                   | 7.26%                    | 4.11%                     |
| CVS Health Corp   | CVS         | 0.32%                   | 3.17%                   | 1.01%                   | 6.23%                    | 1.99%                     |
| DuPont de Nemours Inc                                   | DD          | 0.21%                   | 1.68%                   | 0.35%                   | 6.55%                    | 1.35%                     |
| Micron Technology Inc                                   | MU          | 0.18%                   | n/a                     | n/a                     | 4.02%                    | 0.74%                     |
| Motorola Solutions Inc<br>Cboe Global Markets Inc       | MSI<br>CBOE | 0.11%<br>0.05%          | 1.34%<br>1.25%          | 0.15%<br>0.06%          | 7.05%<br>10.00%          | 0.78%<br>0.50%            |
| Mylan NV  | MYL         | 0.03%                   | n/a                     | n/a                     | -5.72%                   | -0.23%                    |
| Laboratory Corp of America Holdings                     | LH          | 0.06%                   | n/a                     | n/a                     | 7.36%                    | 0.47%                     |
| Newmont Goldcorp Corp                                   | NEM         | 0.12%                   | 1.48%                   | 0.18%                   | 5.75%                    | 0.69%                     |
| NIKE Inc  | NKE         | 0.46%                   | 0.94%                   | 0.43%                   | 13.82%                   | 6.32%                     |
| NiSource Inc  | NI<br>NBL   | 0.04%                   | 2.67%                   | 0.12%                   | 5.28%                    | 0.23%<br>0.69%            |
| Noble Energy Inc<br>Norfolk Southern Corp               | NSC         | 0.04%<br>0.18%          | 2.14%<br>2.09%          | 0.09%<br>0.39%          | 16.58%<br>13.68%         | 2.52%                     |
| Principal Financial Group Inc                           | PFG         | 0.06%                   | 3.85%                   | 0.24%                   | 6.87%                    | 0.43%                     |
| Eversource Energy                                       | ES          | 0.11%                   | 2.50%                   | 0.27%                   | 6.42%                    | 0.69%                     |
| Northrop Grumman Corp                                   | NOC         | 0.25%                   | 1.41%                   | 0.35%                   | 6.84%                    | 1.68%                     |
| Wells Fargo & Co  | WFC         | 0.86%                   | 4.04%                   | 3.49%                   | 9.86%                    | 8.51%                     |
| Nucor Corp<br>PVH Corp                                  | NUE<br>PVH  | 0.06%<br>0.03%          | 3.14%<br>0.17%          | 0.19%<br>0.00%          | 0.35%<br>6.52%           | 0.02%<br>0.17%            |
| Occidental Petroleum Corp                               | OXY         | 0.05%                   | 7.11%                   | 1.10%                   | 6.30%                    | 0.97%                     |
| Omnicom Group Inc                                       | OMC         | 0.07%                   | 3.32%                   | 0.22%                   | 3.58%                    | 0.24%                     |
| ONEOK Inc   | OKE         | 0.12%                   | 4.83%                   | 0.57%                   | 13.11%                   | 1.55%                     |
| Raymond James Financial Inc                             | RJF         | 0.04%                   | 1.65%                   | 0.07%                   | 17.00%                   | 0.76%                     |
| Parker-Hannifin Corp<br>Rollins Inc                     | PH<br>ROL   | 0.09%<br>0.04%          | 1.95%<br>1.23%          | 0.18%<br>0.05%          | 8.24%<br>n/a             | 0.74%<br>n/a              |
| PPL Corp  | PPL         | 0.04%                   | 5.24%                   | 0.46%                   | 1.35%                    | 0.12%                     |
| ConocoPhillips  | COP         | 0.25%                   | 2.14%                   | 0.53%                   | 3.45%                    | 0.85%                     |
| PulteGroup Inc  | PHM         | 0.04%                   | 1.20%                   | 0.05%                   | 8.25%                    | 0.32%                     |
| Pinnacle West Capital Corp                              | PNW         | 0.04%                   | 3.04%                   | 0.13%                   | 5.35%                    | 0.23%                     |
| PNC Financial Services Group Inc/The PPG Industries Inc | PNC<br>PPG  | 0.24%<br>0.11%          | 3.28%<br>1.72%          | 0.80%<br>0.19%          | 7.64%<br>6.82%           | 1.85%<br>0.74%            |
| Progressive Corp/The                                    | PGR         | 0.11%                   | 0.52%                   | 0.19%                   | 6.23%                    | 1.09%                     |
| Public Service Enterprise Group Inc                     | PEG         | 0.12%                   | 3.03%                   | 0.37%                   | 5.46%                    | 0.67%                     |
| Raytheon Co   | RTN         | 0.21%                   | 1.92%                   | 0.41%                   | 8.83%                    | 1.87%                     |
| Robert Half International Inc                           | RHI         | 0.03%                   | 2.23%                   | 0.06%                   | -1.79%                   | -0.05%                    |
| Edison International<br>Schlumberger Ltd                | EIX<br>SLB  | 0.10%                   | 3.25%<br>5.85%          | 0.34%<br>1.08%          | 4.81%<br>28.00%          | 0.50%<br>5.14%            |
| Charles Schwab Corp/The                                 | SCHW        | 0.18%<br>0.21%          | 1.63%                   | 0.35%                   | 3.94%                    | 0.84%                     |
| Sherwin-Williams Co/The                                 | SHW         | 0.20%                   | 0.82%                   | 0.16%                   | 11.33%                   | 2.23%                     |
| JM Smucker Co/The                                       | SJM         | 0.05%                   | 3.20%                   | 0.16%                   | 2.97%                    | 0.15%                     |
| Snap-on Inc   | SNA         | 0.03%                   | 2.43%                   | 0.08%                   | 6.91%                    | 0.23%                     |
| AMETEK Inc  | AME         | 0.08%                   | 0.61%                   | 0.05%                   | 9.84%                    | 0.80%                     |
| Southern Co/The<br>BB&T Corp                            | SO<br>BBT   | 0.25%<br>0.16%          | 4.01%<br>3.37%          | 1.01%<br>0.54%          | 3.18%<br>7.24%           | 0.80%<br>1.15%            |
| Southwest Airlines Co                                   | LUV         | 0.10%                   | 1.33%                   | 0.15%                   | 8.42%                    | 0.95%                     |
| Stanley Black & Decker Inc                              | SWK         | 0.09%                   | 1.91%                   | 0.16%                   | 8.88%                    | 0.76%                     |
| Public Storage  | PSA         | 0.17%                   | 3.26%                   | 0.54%                   | 4.11%                    | 0.68%                     |
| Arista Networks Inc                                     | ANET        | 0.07%                   | n/a                     | n/a                     | 21.39%                   | 1.52%                     |
| SunTrust Banks Inc                                      | STI         | 0.12%                   | 3.26%                   | 0.39%                   | 2.37%                    | 0.28%                     |
| Sysco Corp<br>Corteva Inc                               | SYY<br>CTVA | 0.16%<br>0.08%          | 1.96%<br>1.86%          | 0.31%                   | 11.13%<br>95.20%         | 1.76%<br>7.76%            |
| Texas Instruments Inc                                   | TXN         | 0.08%                   | 2.79%                   | 0.15%<br>1.31%          | 95.20%<br>8.35%          | 3.92%                     |
| Textron Inc   | TXT         | 0.04%                   | 0.16%                   | 0.01%                   | 11.86%                   | 0.52%                     |
| Thermo Fisher Scientific Inc                            | TMO         | 0.45%                   | 0.26%                   | 0.12%                   | 11.00%                   | 4.99%                     |
|   | TIF         | 0.04%                   | 2.50%                   | 0.11%                   | 8.42%                    | 0.37%                     |
| Tiffany & Co  |             |                         |                         |                         |                          |                           |
| TJX Cos Inc/The   | TJX         | 0.26%                   | 1.65%                   | 0.43%                   | 11.07%                   | 2.90%                     |
|   |             | 0.26%<br>0.04%<br>0.14% | 1.65%<br>0.72%<br>2.37% | 0.43%<br>0.03%<br>0.32% | 11.07%<br>7.60%<br>7.57% | 2.90%<br>0.31%<br>1.03%   |

|   |                    | [12]           | [13]           | [14]           | [15]            | [16]                      |
|---|--------------------|----------------|----------------|----------------|-----------------|---------------------------|
|   |                    | Weight in      | Estimated      | Cap-Weighted   | Long-Term       | Cap-Weighted<br>Long-Term |
| Name  | Ticker             | Index          | Dividend Yield | Dividend Yield | Growth Est.     | Growth Est.               |
| Union Pacific Corp                                      | UNP                | 0.44%          | 2.40%          | 1.06%          | 12.90%          | 5.72%                     |
| Keysight Technologies Inc                               | KEYS               | 0.07%          | n/a            | n/a            | n/a             | n/a                       |
| UnitedHealth Group Inc<br>Unum Group                    | UNH<br>UNM         | 0.80%<br>0.02% | 1.99%<br>3.84% | 1.59%<br>0.09% | 12.28%<br>9.00% | 9.83%<br>0.22%            |
| Marathon Oil Corp                                       | MRO                | 0.04%          | 1.63%          | 0.06%          | 1.55%           | 0.06%                     |
| Varian Medical Systems Inc                              | VAR                | 0.04%          | n/a            | n/a            | 8.40%           | 0.35%                     |
| Ventas Inc  | VTR                | 0.11%          | 4.34%          | 0.46%          | 4.85%           | 0.51%                     |
| VF Corp<br>Vornado Realty Trust                         | VFC<br>VNO         | 0.14%<br>0.05% | 1.93%<br>4.15% | 0.27%<br>0.20% | 10.42%<br>5.46% | 1.44%<br>0.26%            |
| Vulcan Materials Co                                     | VMC                | 0.03%          | 0.82%          | 0.06%          | 18.12%          | 1.41%                     |
| Weyerhaeuser Co   | WY                 | 0.08%          | 4.91%          | 0.39%          | 2.40%           | 0.19%                     |
| Whirlpool Corp  | WHR                | 0.04%          | 3.03%          | 0.12%          | 4.61%           | 0.18%                     |
| Williams Cos Inc/The                                    | WMB                | 0.11%          | 6.32%          | 0.72%          | 8.00%           | 0.91%                     |
| WEC Energy Group Inc Adobe Inc                          | WEC<br>ADBE        | 0.12%<br>0.52% | 2.48%<br>n/a   | 0.29%<br>n/a   | 6.44%<br>16.00% | 0.75%<br>8.32%            |
| AES Corp/VA   | AES                | 0.04%          | 3.34%          | 0.14%          | 8.12%           | 0.34%                     |
| Amgen Inc   | AMGN               | 0.45%          | 3.00%          | 1.35%          | 6.47%           | 2.92%                     |
| Apple Inc   | AAPL               | 3.93%          | 1.38%          | 5.41%          | 10.50%          | 41.31%                    |
| Autodesk Inc  | ADSK               | 0.13%          | n/a            | n/a            | 47.95%          | 6.05%                     |
| Cintas Corp   | CTAS<br>CMCSA      | 0.11%<br>0.79% | 0.76%<br>1.86% | 0.08%<br>1.48% | 11.07%<br>9.93% | 1.21%<br>7.89%            |
| Comcast Corp Molson Coors Brewing Co                    | TAP                | 0.79%          | 3.97%          | 0.17%          | -2.40%          | -0.11%                    |
| KLA Corp  | KLAC               | 0.10%          | 1.88%          | 0.18%          | 13.97%          | 1.37%                     |
| Marriott International Inc/MD                           | MAR                | 0.16%          | 1.54%          | 0.25%          | 8.50%           | 1.35%                     |
| McCormick & Co Inc/MD                                   | MKC                | 0.07%          | 1.46%          | 0.11%          | 6.20%           | 0.46%                     |
| Nordstrom Inc   | JWN                | 0.02%          | 4.40%          | 0.09%          | 5.83%           | 0.12%                     |
| PACCAR Inc<br>Costco Wholesale Corp                     | PCAR<br>COST       | 0.09%<br>0.49% | 1.83%<br>0.90% | 0.17%<br>0.44% | 4.90%<br>10.51% | 0.46%<br>5.18%            |
| First Republic Bank/CA                                  | FRC                | 0.49%          | 0.30%          | 0.05%          | 6.99%           | 0.43%                     |
| Stryker Corp  | SYK                | 0.31%          | 0.96%          | 0.30%          | 9.46%           | 2.98%                     |
| Tyson Foods Inc   | TSN                | 0.10%          | 1.74%          | 0.17%          | 4.90%           | 0.48%                     |
| Lamb Weston Holdings Inc                                | LW                 | 0.04%          | 1.10%          | 0.05%          | 7.50%           | 0.31%                     |
| Applied Materials Inc                                   | AMAT               | 0.18%          | 1.68%          | 0.30%          | 5.55%           | 0.99%                     |
| American Airlines Group Inc<br>Cardinal Health Inc      | AAL<br>CAH         | 0.05%<br>0.05% | 1.48%<br>4.08% | 0.07%<br>0.22% | 6.37%<br>2.49%  | 0.30%<br>0.13%            |
| Celgene Corp  | CELG               | 0.27%          | n/a            | n/a            | 16.10%          | 4.40%                     |
| Cerner Corp   | CERN               | 0.08%          | 1.06%          | 0.09%          | 13.55%          | 1.14%                     |
| Cincinnati Financial Corp                               | CINF               | 0.07%          | 1.92%          | 0.14%          | n/a             | n/a                       |
| DR Horton Inc   | DHI                | 0.08%          | 1.14%          | 0.09%          | 12.60%          | 0.95%                     |
| Flowserve Corp<br>Electronic Arts Inc                   | FLS<br>EA          | 0.02%<br>0.11% | 1.63%<br>n/a   | 0.04%<br>n/a   | 15.19%<br>8.54% | 0.36%<br>0.96%            |
| Expeditors International of Washington Inc              | EXPD               | 0.05%          | 1.35%          | 0.07%          | 9.73%           | 0.48%                     |
| Fastenal Co   | FAST               | 0.07%          | 2.69%          | 0.20%          | 7.15%           | 0.52%                     |
| M&T Bank Corp   | MTB                | 0.08%          | 2.53%          | 0.21%          | 5.33%           | 0.44%                     |
| Xcel Energy Inc   | XEL                | 0.13%          | 2.50%          | 0.32%          | 5.53%           | 0.72%                     |
| Fiserv Inc Fifth Third Bancorp                          | FISV<br>FITB       | 0.27%<br>0.08% | n/a<br>3.51%   | n/a<br>0.27%   | 14.00%<br>4.65% | 3.83%<br>0.36%            |
| Gilead Sciences Inc                                     | GILD               | 0.06%          | 3.98%          | 1.24%          | 7.60%           | 2.37%                     |
| Hasbro Inc  | HAS                | 0.06%          | 2.29%          | 0.13%          | 9.30%           | 0.54%                     |
| Huntington Bancshares Inc/OH                            | HBAN               | 0.06%          | 4.20%          | 0.24%          | 4.99%           | 0.29%                     |
| Welltower Inc   | WELL               | 0.14%          | 3.84%          | 0.55%          | 6.34%           | 0.90%                     |
| Biogen Inc  | BIIB               | 0.17%          | n/a            | n/a            | 3.33%           | 0.56%                     |
| Northern Trust Corp Packaging Corp of America           | NTRS<br>PKG        | 0.08%<br>0.04% | 3.00%<br>2.98% | 0.23%<br>0.12% | 7.25%<br>10.00% | 0.57%<br>0.39%            |
| Paychex Inc   | PAYX               | 0.12%          | 3.00%          | 0.35%          | 7.25%           | 0.84%                     |
| People's United Financial Inc                           | PBCT               | 0.02%          | 4.54%          | 0.11%          | 2.00%           | 0.05%                     |
| QUALCOMM Inc  | QCOM               | 0.36%          | 3.25%          | 1.17%          | 14.37%          | 5.18%                     |
| Roper Technologies Inc                                  | ROP                | 0.14%          | 0.52%          | 0.07%          | 13.03%          | 1.88%                     |
| Ross Stores Inc IDEXX Laboratories Inc                  | ROST<br>IDXX       | 0.15%<br>0.09% | 0.93%<br>n/a   | 0.14%<br>n/a   | 9.38%<br>18.85% | 1.45%<br>1.72%            |
| Starbucks Corp  | SBUX               | 0.41%          | 1.63%          | 0.67%          | 13.17%          | 5.42%                     |
| KeyCorp   | KEY                | 0.07%          | 4.15%          | 0.29%          | 4.69%           | 0.33%                     |
| Fox Corp  | FOXA               | 0.04%          | 1.46%          | 0.06%          | 3.57%           | 0.16%                     |
| Fox Corp  | FOX                | 0.03%          | 1.46%          | 0.05%          | -10.86%         | -0.35%                    |
| State Street Corp<br>Norwegian Cruise Line Holdings Ltd | STT                | 0.09%          | 3.51%          | 0.30%          | 3.98%           | 0.34%                     |
| US Bancorp  | NCLH<br>USB        | 0.04%<br>0.34% | n/a<br>3.04%   | n/a<br>1.03%   | 8.27%<br>6.33%  | 0.36%<br>2.15%            |
| AO Smith Corp   | AOS                | 0.03%          | 1.84%          | 0.05%          | 8.00%           | 0.21%                     |
| Symantec Corp   | SYMC               | 0.06%          | 1.27%          | 0.07%          | 3.35%           | 0.19%                     |
| T Rowe Price Group Inc                                  | TROW               | 0.10%          | 2.66%          | 0.28%          | 8.20%           | 0.86%                     |
| Waste Management Inc                                    | WM                 | 0.19%          | 1.78%          | 0.34%          | 7.74%           | 1.47%                     |
| CBS Corp  | CBS                | 0.06%          | 1.78%          | 0.10%          | 7.63%           | 0.42%                     |
| Allergan PLC Constellation Brands Inc                   | AGN<br>STZ         | 0.21%<br>0.13% | 1.76%<br>1.45% | 0.38%<br>0.20% | 8.00%<br>7.83%  | 1.72%<br>1.06%            |
| Xilinx Inc  | XLNX               | 0.13%          | 1.54%          | 0.15%          | 9.45%           | 0.89%                     |
|   |                    | 0.05%          | 0.75%          | 0.03%          | 13.14%          | 0.61%                     |
| DENTSPLY SIRONA Inc                                     | XRAY               |                |                |                |                 | 0.400/                    |
| Zions Bancorp NA  | ZION               | 0.03%          | 3.05%          | 0.09%          | 6.24%           | 0.19%                     |
| Zions Bancorp NA<br>Alaska Air Group Inc                | ZION<br>ALK        | 0.03%          | 2.16%          | 0.07%          | 21.55%          | 0.67%                     |
| Zions Bancorp NA<br>Alaska Air Group Inc<br>Invesco Ltd | ZION<br>ALK<br>IVZ | 0.03%<br>0.03% | 2.16%<br>7.32% | 0.07%<br>0.23% | 21.55%<br>7.00% | 0.67%<br>0.22%            |
| Zions Bancorp NA<br>Alaska Air Group Inc                | ZION<br>ALK        | 0.03%          | 2.16%          | 0.07%          | 21.55%          | 0.67%                     |

|   |              | [12]           | [13]           | [14]                           | [15]             | [16]                                     |
|---|--------------|----------------|----------------|--------------------------------|------------------|--|
| Name  | Ticker       | Weight in      |                | Cap-Weighted<br>Dividend Yield |                  | Cap-Weighted<br>Long-Term<br>Growth Est. |
| Microchip Technology Inc                              | MCHP         | 0.09%          | 1.58%          | 0.14%                          | 7.65%            | 0.66%                                    |
| Chubb Ltd   | СВ           | 0.29%          | 1.86%          | 0.53%                          | 10.73%           | 3.07%                                    |
| Hologic Inc   | HOLX         | 0.05%          | n/a            | n/a                            | 8.95%            | 0.47%                                    |
| Citizens Financial Group Inc                          | CFG          | 0.06%          | 4.07%          | 0.25%                          | 5.42%            | 0.33%                                    |
| O'Reilly Automotive Inc                               | ORLY         | 0.12%          | n/a            | n/a                            | 13.64%           | 1.62%                                    |
| Allstate Corp/The                                     | ALL          | 0.14%          | 1.84%          | 0.26%                          | 6.23%            | 0.87%                                    |
| FLIR Systems Inc<br>Equity Residential                | FLIR<br>EQR  | 0.03%<br>0.12% | 1.29%<br>2.63% | 0.04%<br>0.33%                 | 13.10%<br>8.52%  | 0.36%<br>1.06%                           |
| BorgWarner Inc  | BWA          | 0.03%          | 1.85%          | 0.05%                          | 1.93%            | 0.06%                                    |
| Incyte Corp   | INCY         | 0.06%          | n/a            | n/a                            | 43.15%           | 2.68%                                    |
| Simon Property Group Inc                              | SPG          | 0.19%          | 5.40%          | 1.01%                          | 5.08%            | 0.95%                                    |
| Eastman Chemical Co                                   | EMN          | 0.04%          | 3.36%          | 0.13%                          | 5.44%            | 0.21%                                    |
| Twitter Inc   | TWTR         | 0.12%          | n/a            | n/a                            | 31.80%           | 3.94%                                    |
| AvalonBay Communities Inc                             | AVB          | 0.12%          | 2.82%          | 0.33%                          | 6.68%            | 0.78%                                    |
| Prudential Financial Inc<br>United Parcel Service Inc | PRU<br>UPS   | 0.14%<br>0.33% | 4.45%<br>3.20% | 0.63%<br>1.04%                 | 10.67%<br>8.93%  | 1.50%<br>2.91%                           |
| Apartment Investment & Management Co                  | AIV          | 0.33%          | 2.99%          | 0.09%                          | 3.37%            | 0.10%                                    |
| Walgreens Boots Alliance Inc                          | WBA          | 0.19%          | 3.31%          | 0.64%                          | 5.47%            | 1.06%                                    |
| McKesson Corp   | MCK          | 0.10%          | 1.20%          | 0.12%                          | 2.39%            | 0.23%                                    |
| Lockheed Martin Corp                                  | LMT          | 0.43%          | 2.46%          | 1.05%                          | 10.10%           | 4.33%                                    |
| AmerisourceBergen Corp                                | ABC          | 0.07%          | 1.94%          | 0.13%                          | 14.01%           | 0.93%                                    |
| Capital One Financial Corp                            | COF          | 0.17%          | 1.76%          | 0.29%                          | 5.13%            | 0.85%                                    |
| Waters Corp   | WAT          | 0.06%          | n/a            | n/a                            | 11.26%           | 0.65%                                    |
| Dollar Tree Inc                                       | DLTR         | 0.11%          | n/a            | n/a                            | 8.39%            | 0.88%                                    |
| Darden Restaurants Inc<br>NVR Inc                     | DRI          | 0.06%          | 2.98%          | 0.17%                          | 9.31%            | 0.53%                                    |
| NetApp Inc  | NVR<br>NTAP  | 0.05%<br>0.05% | n/a<br>3.66%   | n/a<br>0.18%                   | 10.66%<br>5.24%  | 0.56%<br>0.25%                           |
| Citrix Systems Inc                                    | CTXS         | 0.05%          | 1.45%          | 0.07%                          | 9.00%            | 0.44%                                    |
| DXC Technology Co                                     | DXC          | 0.03%          | 2.85%          | 0.09%                          | 3.77%            | 0.11%                                    |
| DaVita Inc  | DVA          | 0.03%          | n/a            | n/a                            | 18.24%           | 0.56%                                    |
| Hartford Financial Services Group Inc/The             | HIG          | 0.09%          | 1.98%          | 0.17%                          | 9.50%            | 0.81%                                    |
| Iron Mountain Inc                                     | IRM          | 0.04%          | 7.55%          | 0.27%                          | 3.81%            | 0.14%                                    |
| Estee Lauder Cos Inc/The                              | EL           | 0.17%          | 0.86%          | 0.15%                          | 11.15%           | 1.91%                                    |
| Cadence Design Systems Inc                            | CDNS         | 0.07%          | n/a            | n/a                            | 10.64%           | 0.77%                                    |
| Universal Health Services Inc                         | UHS          | 0.05%          | 0.54%          | 0.03%                          | 8.08%            | 0.38%                                    |
| E*TRADE Financial Corp                                | ETFC         | 0.04%          | 1.28%          | 0.05%                          | 6.07%            | 0.25%                                    |
| Skyworks Solutions Inc<br>National Oilwell Varco Inc  | SWKS<br>NOV  | 0.05%<br>0.03% | 2.22%<br>0.94% | 0.12%<br>0.03%                 | 12.93%<br>67.95% | 0.68%<br>2.16%                           |
| Quest Diagnostics Inc                                 | DGX          | 0.03%          | 1.98%          | 0.03%                          | 7.86%            | 0.44%                                    |
| Activision Blizzard Inc                               | ATVI         | 0.16%          | 0.70%          | 0.11%                          | 7.10%            | 1.12%                                    |
| Rockwell Automation Inc                               | ROK          | 0.07%          | 2.35%          | 0.18%                          | 11.50%           | 0.86%                                    |
| Kraft Heinz Co/The                                    | KHC          | 0.13%          | 5.73%          | 0.76%                          | -3.31%           | -0.44%                                   |
| American Tower Corp                                   | AMT          | 0.38%          | 1.72%          | 0.65%                          | 19.95%           | 7.59%                                    |
| HollyFrontier Corp                                    | HFC          | 0.03%          | 2.46%          | 0.08%                          | -0.31%           | -0.01%                                   |
| Regeneron Pharmaceuticals Inc                         | REGN         | 0.12%          | n/a            | n/a                            | 12.58%           | 1.46%                                    |
| Amazon.com Inc  | AMZN         | 3.34%          | n/a            | n/a                            | 44.33%           | 147.99%                                  |
| Jack Henry & Associates Inc                           | JKHY         | 0.04%          | 1.10%          | 0.05%                          | 9.20%            | 0.40%                                    |
| Ralph Lauren Corp<br>Boston Properties Inc            | RL<br>BXP    | 0.02%<br>0.08% | 2.88%<br>2.93% | 0.06%<br>0.23%                 | 6.35%<br>2.18%   | 0.12%<br>0.17%                           |
| Amphenol Corp   | APH          | 0.00%          | 1.04%          | 0.12%                          | 8.67%            | 0.97%                                    |
| Arconic Inc   | ARNC         | 0.04%          | 0.31%          | 0.01%                          | 10.90%           | 0.48%                                    |
| Pioneer Natural Resources Co                          | PXD          | 0.08%          | 1.40%          | 0.11%                          | 23.85%           | 1.95%                                    |
| Valero Energy Corp                                    | VLO          | 0.14%          | 4.22%          | 0.58%                          | 9.75%            | 1.34%                                    |
| Synopsys Inc  | SNPS         | 0.08%          | n/a            | n/a                            | 14.38%           | 1.15%                                    |
| Western Union Co/The                                  | WU           | 0.04%          | 3.45%          | 0.13%                          | 3.61%            | 0.14%                                    |
| CH Robinson Worldwide Inc                             | CHRW         | 0.04%          | 2.36%          | 0.11%                          | 8.63%            | 0.39%                                    |
| Accenture PLC   | ACN          | 0.48%          | 1.66%          | 0.79%                          | 10.03%           | 4.78%                                    |
| TransDigm Group Inc<br>Yum! Brands Inc                | TDG<br>YUM   | 0.11%<br>0.13% | n/a<br>1.48%   | n/a<br>0.20%                   | 14.40%<br>12.50% | 1.56%<br>1.68%                           |
| Prologis Inc  | PLD          | 0.13%          | 2.49%          | 0.52%                          | 7.36%            | 1.54%                                    |
| FirstEnergy Corp                                      | FE           | 0.10%          | 3.15%          | 0.32%                          | 0.49%            | 0.05%                                    |
| VeriSign Inc  | VRSN         | 0.09%          | n/a            | n/a                            | 9.70%            | 0.84%                                    |
| Quanta Services Inc                                   | PWR          | 0.02%          | 0.42%          | 0.01%                          | n/a              | n/a                                      |
| Henry Schein Inc                                      | HSIC         | 0.04%          | n/a            | n/a                            | 1.27%            | 0.05%                                    |
| Ameren Corp   | AEE          | 0.08%          | 2.37%          | 0.19%                          | 4.99%            | 0.39%                                    |
| ANSYS Inc   | ANSS         | 0.07%          | n/a            | n/a                            | 11.50%           | 0.83%                                    |
| NVIDIA Corp   | NVDA         | 0.41%          | 0.37%          | 0.15%                          | 11.15%           | 4.60%                                    |
| Sealed Air Corp                                       | SEE          | 0.02%          | 1.54%          | 0.04%                          | 5.72%            | 0.14%                                    |
| Cognizant Technology Solutions Corp                   | CTSH         | 0.13%          | 1.33%          | 0.17%                          | 11.05%           | 1.43%                                    |
| SVB Financial Group<br>Intuitive Surgical Inc         | SIVB<br>ISRG | 0.04%<br>0.24% | n/a<br>n/a     | n/a<br>n/a                     | 11.00%<br>13.48% | 0.46%<br>3.26%                           |
| Affiliated Managers Group Inc                         | AMG          | 0.24%          | n/a<br>1.54%   | n/a<br>0.03%                   | 5.86%            | 3.26%<br>0.10%                           |
| Take-Two Interactive Software Inc                     | TTWO         | 0.02 %         | n/a            | n/a                            | 9.86%            | 0.54%                                    |
| Republic Services Inc                                 | RSG          | 0.11%          | 1.87%          | 0.20%                          | 12.96%           | 1.40%                                    |
| eBay Inc  | EBAY         | 0.13%          | 1.44%          | 0.18%                          | 12.07%           | 1.53%                                    |
| Goldman Sachs Group Inc/The                           | GS           | 0.29%          | 2.41%          | 0.70%                          | 0.64%            | 0.19%                                    |
| Sempra Energy   | SRE          | 0.16%          | 2.62%          | 0.41%                          | 9.80%            | 1.54%                                    |
| SBA Communications Corp                               | SBAC         | 0.11%          | 0.61%          | 0.07%                          | 46.90%           | 4.97%                                    |
| Moody's Corp  | MCO          | 0.15%          | 0.98%          | 0.15%                          | 11.70%           | 1.76%                                    |
| Booking Holdings Inc                                  | BKNG         | 0.32%          | n/a            | n/a                            | 19.03%           | 6.17%                                    |
| F5 Networks Inc                                       | FFIV         | 0.03%          | n/a            | n/a                            | 10.29%           | 0.34%                                    |
| Akamai Technologies Inc                               | AKAM         | 0.06%          | n/a            | n/a                            | 12.80%           | 0.75%                                    |

|   | STANDARD AND PO   | OR'S 500 IN   | DEX   |  |  |  |
|---|---|---|---|--|--|--|
| _   |   | [12]  | [13]  | [14]   | [15]   | [16]   |
| Name  | Ticker  | Weight in Index   | Estimated Dividend Yield                                | Cap-Weighted<br>Dividend Yield                 |  | Cap-Weighted<br>Long-Term<br>Growth Est.           |
|   |   |   |   |  |  |  |
| MarketAxess Holdings Inc  | MKTX<br>DVN   | 0.05%   | 0.62%   | 0.03%  | n/a<br>6.63%   | n/a<br>0.25%                                       |
| Devon Energy Corp<br>Iphabet Inc  | GOOGL   | 0.04%<br>1.42%  | 1.50%<br>n/a  | 0.06%<br>n/a                                   | 12.87%   | 0.25%<br>18.30%                                    |
| eleflex Inc   | TFX   | 0.06%   | 0.40%   | 0.02%  | 14.25%   | 0.87%  |
| letflix Inc   | NFLX  | 0.46%   | n/a   | n/a  | 42.80%   | 19.50%   |
| Illegion PLC  | ALLE  | 0.04%   | 1.04%   | 0.04%  | 10.23%   | 0.38%  |
| gilent Technologies Inc   | A   | 0.09%   | 0.86%   | 0.08%  | 13.53%   | 1.25%  |
| inthem Inc  | ANTM  | 0.24%   | 1.33%   | 0.32%  | 14.13%   | 3.37%  |
| CME Group Inc   | CME   | 0.29%   | 1.42%   | 0.42%  | 8.26%  | 2.43%  |
| uniper Networks Inc   | JNPR  | 0.03%   | 3.07%   | 0.10%  | 7.74%  | 0.26%  |
| lackRock Inc  | BLK   | 0.27%   | 2.96%   | 0.79%  | 8.82%  | 2.36%  |
| TE Energy Co  | DTE   | 0.09%   | 2.84%   | 0.27%  | 5.53%  | 0.52%  |
| lasdaq Inc  | NDAQ  | 0.06%   | 1.89%   | 0.12%  | 13.17%   | 0.84%  |
| Celanese Corp   | CE  | 0.06%   | 2.03%   | 0.12%  | 6.13%  | 0.36%  |
| Philip Morris International Inc   | PM  | 0.46%   | 6.16%   | 2.83%  | 7.81%  | 3.59%  |
| alesforce.com Inc<br>luntington Ingalls Industries Inc  | CRM<br>HII  | 0.51%<br>0.03%  | n/a<br>1.62%  | n/a<br>0.06%                                   | 21.63%<br>40.00%                                       | 10.95%<br>1.36%                                    |
| NetLife Inc   | MET   | 0.03%   | 3.73%   | 0.64%  | 9.69%  | 1.66%  |
| Inder Armour Inc  | UA  | 0.17%   | 3.73%<br>n/a  | 0.04%<br>n/a                                   | 27.23%   | 0.44%  |
| apestry Inc   | TPR   | 0.02 %  | 5.18%   | 0.15%  | 8.83%  | 0.44%  |
| SSX Corp  | CSX   | 0.21%   | 1.39%   | 0.30%  | 12.17%   | 2.62%  |
| dwards Lifesciences Corp  | EW  | 0.18%   | n/a   | n/a  | 14.75%   | 2.62%  |
| meriprise Financial Inc   | AMP   | 0.07%   | 2.64%   | 0.20%  | 3.20%  | 0.24%  |
| echnipFMC PLC   | FTI   | 0.04%   | 2.15%   | 0.09%  | 23.04%   | 0.97%  |
| immer Biomet Holdings Inc   | ZBH   | 0.11%   | 0.70%   | 0.08%  | 6.02%  | 0.66%  |
| BRE Group Inc   | CBRE  | 0.07%   | n/a   | n/a  | 7.80%  | 0.54%  |
| Mastercard Inc  | MA  | 1.06%   | 0.49%   | 0.51%  | 17.14%   | 18.15%   |
| CarMax Inc  | KMX   | 0.06%   | n/a   | n/a  | 10.68%   | 0.60%  |
| ntercontinental Exchange Inc  | ICE   | 0.20%   | 1.19%   | 0.24%  | 8.59%  | 1.73%  |
| idelity National Information Services Inc   | FIS   | 0.32%   | 1.05%   | 0.33%  | 8.97%  | 2.84%  |
| Chipotle Mexican Grill Inc  | CMG   | 0.09%   | n/a   | n/a  | 21.87%   | 1.98%  |
| Vynn Resorts Ltd  | WYNN  | 0.05%   | 3.68%   | 0.17%  | 13.50%   | 0.61%  |
| ssurant Inc   | AIZ   | 0.03%   | 1.91%   | 0.06%  | n/a  | n/a  |
| IRG Energy Inc  | NRG   | 0.04%   | 0.30%   | 0.01%  | 35.23%   | 1.37%  |
| Regions Financial Corp  | RF  | 0.06%   | 3.92%   | 0.24%  | 8.21%  | 0.50%  |
| Monster Beverage Corp<br>Mosaic Co/The  | MNST<br>MOS   | 0.12%<br>0.03%  | n/a<br>0.98%  | n/a<br>0.03%                                   | 14.30%<br>12.87%                                       | 1.76%<br>0.40%                                     |
| expedia Group Inc   | EXPE  | 0.03%   | 1.01%   | 0.03%  | 21.16%   | 1.56%  |
| evergy Inc  | EVRG  | 0.06%   | 2.85%   | 0.17%  | 7.62%  | 0.46%  |
| Discovery Inc   | DISCA   | 0.02%   | n/a   | n/a  | 12.57%   | 0.21%  |
| F Industries Holdings Inc   | CF  | 0.04%   | 2.44%   | 0.10%  | 19.80%   | 0.83%  |
| iacom Inc   | VIAB  | 0.03%   | 3.33%   | 0.11%  | 3.36%  | 0.11%  |
| eidos Holdings Inc  | LDOS  | 0.05%   | 1.58%   | 0.08%  | 10.00%   | 0.48%  |
| Iphabet Inc   | GOOG  | 1.65%   | n/a   | n/a  | 12.87%   | 21.18%   |
| Cooper Cos Inc/The  | COO   | 0.06%   | 0.02%   | 0.00%  | 6.82%  | 0.39%  |
| E Connectivity Ltd  | TEL   | 0.12%   | 1.97%   | 0.24%  | 9.21%  | 1.12%  |
| Discover Financial Services   | DFS   | 0.10%   | 2.17%   | 0.22%  | 8.70%  | 0.87%  |
| ripAdvisor Inc  | TRIP  | 0.02%   | n/a   | n/a  | 14.28%   | 0.27%  |
| isa Inc   | V   | 1.15%   | 0.58%   | 0.67%  | 15.59%   | 18.00%   |
| lid-America Apartment Communities Inc   | MAA   | 0.06%   | 2.95%   | 0.17%  | n/a  | n/a  |
| (ylem Inc/NY  | XYL   | 0.06%   | 1.21%   | 0.07%  | 14.07%   | 0.78%  |
| Marathon Petroleum Corp   | MPC   | 0.16%   | 3.49%   | 0.54%  | 10.23%   | 1.59%  |
| ractor Supply Co  | TSCO  | 0.04%   | 1.55%   | 0.06%  | 10.82%   | 0.45%  |
| dvanced Micro Devices Inc   | AMD   | 0.12%   | n/a<br>1.15%  | n/a  | 20.03%   | 2.45%  |
| ResMed Inc<br>Mettler-Toledo International Inc  | RMD<br>MTD  | 0.08%<br>0.07%  | 1.15%<br>n/a  | 0.09%<br>n/a                                   | 11.37%<br>13.47%                                       | 0.86%<br>0.91%                                     |
| nettier-i olego international inc<br>Copart Inc   | CPRT  | 0.07%   | n/a<br>n/a  | n/a<br>n/a                                     | 13.47%<br>n/a  | 0.91%<br>n/a                                       |
| lbemarle Corp   | ALB   | 0.07 %  | 2.11%   | 0.06%  | 8.92%  | 0.26%  |
| ortinet Inc   | FTNT  | 0.05%   | n/a   | n/a  | 16.50%   | 0.84%  |
| Ssex Property Trust Inc   | ESS   | 0.08%   | 2.39%   | 0.20%  | 8.33%  | 0.70%  |
| Realty Income Corp  | 0   | 0.09%   | 3.55%   | 0.34%  | 5.01%  | 0.47%  |
| Seagate Technology PLC  | STX   | 0.06%   | 4.68%   | 0.26%  | 1.26%  | 0.07%  |
| Vestrock Co   | WRK   | 0.04%   | 4.99%   | 0.18%  | 1.80%  | 0.07%  |
| HS Markit Ltd   | INFO  | 0.10%   | n/a   | n/a  | 12.73%   | 1.33%  |
| Vabtec Corp   | WAB   | 0.05%   | 0.67%   | 0.04%  | 76.00%   | 4.07%  |
| Vestern Digital Corp  | WDC   | 0.07%   | 3.35%   | 0.23%  | 3.07%  | 0.21%  |
| PepsiCo Inc   | PEP   | 0.75%   | 2.79%   | 2.08%  | 5.59%  | 4.16%  |
| Diamondback Energy Inc  | FANG  | 0.06%   | 0.83%   | 0.05%  | 17.36%   | 0.99%  |
| lektar Therapeutics   | NKTR  | 0.01%   | n/a   | n/a  | -8.60%   | -0.11%   |
|   | MXIM  | 0.06%   | 3.32%   | 0.20%  | 6.95%  | 0.42%  |
| laxim Integrated Products Inc   | CHD   | 0.07%   | 1.21%   | 0.09%  | 8.22%  | 0.59%  |
| Church & Dwight Co Inc  |   |   | 2.53%   | 0.12%  | 4.74%  | 0.23%  |
| Church & Dwight Co Inc<br>Duke Realty Corp  | DRE   | 0.05%   |   | 0 / 00/  | E 7  | 0  |
| Church & Dwight Co Inc<br>Duke Realty Corp<br>rederal Realty Investment Trust   | DRE<br>FRT  | 0.04%   | 3.09%   | 0.12%  | 5.71%  | 0.23%  |
| church & Dwight Co Inc<br>luke Realty Corp<br>ederal Realty Investment Trust<br>IGM Resorts International   | DRE<br>FRT<br>MGM                                       | 0.04%<br>0.06%  | 3.09%<br>1.88%  | 0.11%  | 13.81%   | 0.78%  |
| Church & Dwight Co Inc<br>Juke Realty Corp<br>Gederal Realty Investment Trust<br>IGM Resorts International<br>B Hunt Transport Services Inc   | DRE<br>FRT<br>MGM<br>JBHT                               | 0.04%<br>0.06%<br>0.05%                                     | 3.09%<br>1.88%<br>0.94%                                 | 0.11%<br>0.04%                                 | 13.81%<br>12.03%                                       | 0.78%<br>0.55%                                     |
| Church & Dwight Co Inc<br>Juke Realty Corp<br>iederal Realty Investment Trust<br>IGM Resorts International<br>B Hunt Transport Services Inc<br>am Research Corp   | DRE<br>FRT<br>MGM<br>JBHT<br>LRCX                       | 0.04%<br>0.06%<br>0.05%<br>0.13%                            | 3.09%<br>1.88%<br>0.94%<br>1.99%                        | 0.11%<br>0.04%<br>0.26%                        | 13.81%<br>12.03%<br>16.30%                             | 0.78%<br>0.55%<br>2.12%                            |
| Church & Dwight Co Inc<br>Duke Realty Corp<br>iederal Realty Investment Trust<br>IGM Resorts International<br>B Hunt Transport Services Inc<br>am Research Corp<br>Iohawk Industries Inc                                | DRE<br>FRT<br>MGM<br>JBHT<br>LRCX<br>MHK                | 0.04%<br>0.06%<br>0.05%<br>0.13%<br>0.03%                   | 3.09%<br>1.88%<br>0.94%<br>1.99%<br>n/a                 | 0.11%<br>0.04%<br>0.26%<br>n/a                 | 13.81%<br>12.03%<br>16.30%<br>5.28%                    | 0.78%<br>0.55%<br>2.12%<br>0.18%                   |
| Church & Dwight Co Inc<br>Juke Realty Corp<br>iederal Realty Investment Trust<br>IGM Resorts International<br>B Hunt Transport Services Inc<br>am Research Corp<br>Iohawk Industries Inc<br>Pentair PLC                 | DRE<br>FRT<br>MGM<br>JBHT<br>LRCX<br>MHK<br>PNR         | 0.04%<br>0.06%<br>0.05%<br>0.13%<br>0.03%<br>0.02%          | 3.09%<br>1.88%<br>0.94%<br>1.99%<br>n/a<br>1.90%        | 0.11%<br>0.04%<br>0.26%<br>n/a<br>0.05%        | 13.81%<br>12.03%<br>16.30%<br>5.28%<br>6.57%           | 0.78%<br>0.55%<br>2.12%<br>0.18%<br>0.16%          |
| Church & Dwight Co Inc<br>Juke Realty Corp<br>Gederal Realty Investment Trust<br>(IGM Resorts International<br>B Hunt Transport Services Inc<br>am Research Corp<br>Johawk Industries Inc<br>Vertex Pharmaceuticals Inc | DRE<br>FRT<br>MGM<br>JBHT<br>LRCX<br>MHK<br>PNR<br>VRTX | 0.04%<br>0.06%<br>0.05%<br>0.13%<br>0.03%<br>0.02%<br>0.17% | 3.09%<br>1.88%<br>0.94%<br>1.99%<br>n/a<br>1.90%<br>n/a | 0.11%<br>0.04%<br>0.26%<br>n/a<br>0.05%<br>n/a | 13.81%<br>12.03%<br>16.30%<br>5.28%<br>6.57%<br>24.60% | 0.78%<br>0.55%<br>2.12%<br>0.18%<br>0.16%<br>4.16% |
| Church & Dwight Co Inc<br>Juke Realty Corp<br>iederal Realty Investment Trust<br>IGM Resorts International<br>B Hunt Transport Services Inc<br>am Research Corp<br>Iohawk Industries Inc<br>Pentair PLC                 | DRE<br>FRT<br>MGM<br>JBHT<br>LRCX<br>MHK<br>PNR         | 0.04%<br>0.06%<br>0.05%<br>0.13%<br>0.03%<br>0.02%          | 3.09%<br>1.88%<br>0.94%<br>1.99%<br>n/a<br>1.90%        | 0.11%<br>0.04%<br>0.26%<br>n/a<br>0.05%        | 13.81%<br>12.03%<br>16.30%<br>5.28%<br>6.57%           | 0.78%<br>0.55%<br>2.12%<br>0.18%<br>0.16%          |

|                                     |             | [12]           | [13]           | [14]           | [15]        | [16]         |
|-------------------------------------|-------------|----------------|----------------|----------------|-------------|--------------|
|                                     |             |                |                |                |             | Cap-Weighted |
|                                     |             | Weight in      | Estimated      | Cap-Weighted   |             | Long-Term    |
| Name                                | Ticker      | Index          | Dividend Yield | Dividend Yield | Growth Est. | Growth Est.  |
| W 2 1 B 4 4 4                       |             | 0.040/         | ,              | ,              | 10.000/     | 0.450/       |
| United Rentals Inc                  | URI         | 0.04%          | n/a            | n/a            | 12.00%      | 0.45%        |
| ABIOMED Inc                         | ABMD<br>ARE | 0.03%<br>0.07% | n/a<br>2.60%   | n/a            | 24.00%      | 0.75%        |
| Alexandria Real Estate Equities Inc |             |                |                | 0.18%          | 4.77%       | 0.32%        |
| Delta Air Lines Inc                 | DAL         | 0.15%          | 2.80%          | 0.41%          | 13.83%      | 2.01%        |
| United Airlines Holdings Inc        | UAL         | 0.09%          | n/a            | n/a            | 12.80%      | 1.13%        |
| News Corp                           | NWS         | 0.01%          | 1.40%          | 0.02%          | -14.23%     | -0.16%       |
| Centene Corp                        | CNC         | 0.07%          | n/a            | n/a            | 15.00%      | 1.04%        |
| Macerich Co/The                     | MAC         | 0.02%          | 9.50%          | 0.16%          | -0.31%      | -0.01%       |
| Martin Marietta Materials Inc       | MLM         | 0.07%          | 0.80%          | 0.05%          | 15.99%      | 1.06%        |
| PayPal Holdings Inc                 | PYPL        | 0.47%          | n/a            | n/a            | 19.58%      | 9.28%        |
| Coty Inc                            | COTY        | 0.03%          | 4.76%          | 0.15%          | 7.03%       | 0.22%        |
| DISH Network Corp                   | DISH        | 0.03%          | n/a            | n/a            | -8.61%      | -0.29%       |
| Dow Inc                             | DOW         | 0.14%          | 5.88%          | 0.81%          | 14.41%      | 1.98%        |
| Alexion Pharmaceuticals Inc         | ALXN        | 0.09%          | n/a            | n/a            | 14.70%      | 1.25%        |
| Everest Re Group Ltd                | RE          | 0.04%          | 2.10%          | 0.09%          | 10.00%      | 0.42%        |
| WellCare Health Plans Inc           | WCG         | 0.05%          | n/a            | n/a            | 15.83%      | 0.80%        |
| News Corp                           | NWSA        | 0.02%          | 1.44%          | 0.03%          | -14.23%     | -0.30%       |
| Exelon Corp                         | EXC         | 0.18%          | 3.00%          | 0.55%          | 2.73%       | 0.50%        |
| Global Payments Inc                 | GPN         | 0.19%          | 0.03%          | 0.00%          | 17.13%      | 3.18%        |
| Crown Castle International Corp     | CCI         | 0.22%          | 3.24%          | 0.73%          | 17.07%      | 3.83%        |
| Aptiv PLC                           | APTV        | 0.09%          | 1.01%          | 0.09%          | 6.00%       | 0.52%        |
| Advance Auto Parts Inc              | AAP         | 0.05%          | 0.15%          | 0.01%          | 15.31%      | 0.70%        |
| Capri Holdings Ltd                  | CPRI        | 0.02%          | n/a            | n/a            | 5.52%       | 0.11%        |
| Align Technology Inc                | ALGN        | 0.06%          | n/a            | n/a            | 20.51%      | 1.15%        |
| Illumina Inc                        | ILMN        | 0.17%          | n/a            | n/a            | 16.14%      | 2.81%        |
| Alliance Data Systems Corp          | ADS         | 0.03%          | 1.97%          | 0.05%          | 9.13%       | 0.23%        |
| LKQ Corp                            | LKQ         | 0.04%          | n/a            | n/a            | 13.50%      | 0.51%        |
| Nielsen Holdings PLC                | NLSN        | 0.03%          | 6.59%          | 0.19%          | 12.00%      | 0.35%        |
| Garmin Ltd                          | GRMN        | 0.06%          | 2.69%          | 0.17%          | 6.66%       | 0.42%        |
| Cimarex Energy Co                   | XEC         | 0.02%          | 1.67%          | 0.03%          | 26.17%      | 0.49%        |
| Zoetis Inc                          | ZTS         | 0.23%          | 0.53%          | 0.12%          | 10.23%      | 2.37%        |
| Equinix Inc                         | EQIX        | 0.19%          | 1.71%          | 0.32%          | 19.24%      | 3.66%        |
| Digital Realty Trust Inc            | DLR         | 0.11%          | 3.33%          | 0.35%          | 17.20%      | 1.81%        |
| Discovery Inc                       | DISCK       | 0.04%          | n/a            | n/a            | 12.57%      | 0.45%        |
| Discovery inc                       | DISCK       | 0.04%          | n/a            | n/a            | 12.57%      | 0.45%        |

Notes:

[6] Source: S&P Dow Jones Indices, S&P 500 Earnings and Estimate Report, September 30, 2019
[7] Source: S&P Dow Jones Indices, S&P 500 Earnings and Estimate Report, September 30, 2019
[8] Equals ([6] x (1 + (0.5 x [7]))) + [7]
[9] Equals sum of Col. [14]
[10] Equals sum of Col. [16]
[11] Equals ([9] x (1 + (0.5 x [10]))) + [10]
[12] Equals weight in S&P 500 based on market capitalization
[13] Source: Bloomberg Professional, as of September 30, 2019.
[14] Equals [12] x [13]
[15] Source: Bloomberg Professional, as of September 30, 2019.
[16] Equals [12] x [15]