

IV. Schedules

Credit Ratings

Company	Ticker Symbol	Moody's	Credit Watch Outlook	S&P	Credit Watch Outlook
Alliant	LNT	Baa1	Negative	A-	Negative
Ameren Corporation	AEE	Baa1	Stable	BBB+	Stable
AEP Company	AEP	Baa1	Stable	A-	Stable
Avista	AVA	Baa2	Stable	BBB	Stable
Consolidated Edison	ED	Baa1	Stable	A-	Stable
Duke Energy Corporation	DUK	Baa1	Stable	A-	Stable
Edison International	EIX	Baa3	Stable	BBB	Stable
Evergy Inc.	EVRG	Baa2	Stable	A-	Stable
Entergy Corporation	ETR	Baa2	Stable	BBB+	Stable
First Energy Corporation	FE	Baa3	Stable	BBB	Stable
IDACORP, Inc.	IDA	Baa1	Stable	BBB	Stable
NorthWestern Corporation	NWE	Baa2	Stable	BBB	Stable
OGE Energy Corporation	OGE	(P)Baa1	Stable	BBB+	Stable
Pinnacle West Capital Corporation	PNW	A3	Stable	A-	Stable
PNM Resources, Inc.	PNM	Baa3	Stable	BBB+	Negative
Portland General Electric Company	POR	A3	Stable	BBB+	Positive
PPL Corporation	PPL	Baa2	Stable	A-	Stable
Southern Company	SO	Baa3	Stable	A-	Negative
Xcel Energy Inc.	XEL	Baa1	Stable	A-	Stable

Ratings downloaded from SNL data on August 2, 2019.

Common Equity Ratios

Company	2016	2017	2018	Average (2016-18)	2019	2020	2022-24	Average (2016-21)
Alliant	47.2	48.6	46.7	47.5	48	48	48	48
Ameren Corporation	51.3	49.8	48.8	49.96667	48.5	49	50	49.5
AEP Company	50	51.5	53.2	51.56667	56	55	53.5	54.3
Avista	48.8	52.8	49.5	50.36667	50	49.5	50	49.9
Consolidated Edison	49.2	51.1	48.9	49.73333	48.5	49	49	48.9
Duke Energy Corporation	47.4	46	46.2	46.53333	44.5	43.5	43.5	43.7
Edison International	49.2	45.8	38.3	44.43333	39.5	40.5	42.5	41.5
Evergy Inc.			60	60	50	48.5	47.5	48.2
Entergy Corporation	35.5	35.5	35.9	35.63333	37.5	38	40.5	39.4
First Energy Corporation	25.5	15.7	27.4	22.86667	27.5	28	32	30.3
IDACORP, Inc.	55.2	56.3	56.4	55.96667	58.5	57	57	57.3
NorthWestern Corporation	48	49.8	47.8	48.53333	48.5	49.5	52	50.8
OGE Energy Corporation	58.9	58.3	58	58.4	56.5	55.5	54	54.8
Pinnacle West Capital Corporation	54.4	51.1	53	52.83333	53	54	57	55.6
PNM Resources, Inc.	44	43.6	38.6	42.06667	38	43.5	40.5	40.6
Portland General Electric Company	51.6	49.9	53.5	51.66667	50.5	53	51.5	51.6
PPL Corporation	35.7	35.2	36.7	35.86667	41	42	45.5	43.9
Southern Company	35.7	35	37.6	36.1	39.5	39.5	41.5	40.7
Xcel Energy Inc.	43.7	44.1	43.6	43.8	42.5	42	42	42.1
Source: Value Line One-pagers (latest as of Aug. 5, 2019)	Average		46.32	46.52				46.90

Schedule PKC-3

STOCK PRICES

Date	LNT	AEE	AEP	AVA	ED	DUK	EIX	EVRG	ETR	FE	IDA	NWE	OGE	PNW	PNM	POR	PPL	SO	XEL
11/7/2019	51.5	74.63	89.34	46.31472	86.48237	91.59177	65.69	62.32112	114.73	46.72	103.22	69.59	42.95	87.82	48.11	54.85	32.85094	60.1067	60.33
11/8/2019	51.68	73.81	89.07	46.37423	87.17645	88.98984	66.3	62.55921	114.9	46.59	102.85	68.97	42.83	86.39	47.85	54.74	33.3153	60.65123	60.08
11/11/2019	51.6	74.09	88.77	45.85852	86.76	86.66493	66.31	62.1227	114.09	46.03	102.07	68.11	42.68	85.13	47.44	54.37	33.22638	59.86908	60.07
11/12/2019	51.68	74.2	88.5	45.9081	86.42	86.65503	66.84	62.56913	114.86	46.3	102.33	68.23	42.91	85.61	47.88	54.67	33.32518	60.0869	60.17
11/13/2019	52.63	75.58	89.86	46.63208	87.5	87.585	68.11	63.39254	117.52	46.92	104.28	69.16	43.48	85.94	48.53	55.53	33.40422	61.29477	61.64
11/14/2019	53.06	76.53	89.6	46.62216	87.24	88.25	69.68	64.0969	116.89	46.74	104.29	69.35	43.55	86.99	48.9	55.77	33.2165	61.77	61.3
11/15/2019	52.88	76.62	89.56	46.57258	87.73	88.58	70.1	64.23579	116.71	47.04	104.34	69.35	43.37	87.61	48.41	55.49	33.50302	62.2	60.87
11/18/2019	52.85	75.73	90.15	46.642	87.47	88.65	69.5	64.49373	116.89	46.77	103.38	69.3	43.06	86.8	48.45	55.27	33.24614	62.48	60.88
11/19/2019	52.58	75.45	90.67	46.642	86.88	87.03	68.86	64.25563	116.19	46.43	103.75	69.35	42.74	86.75	48.43	55.16	33.1671	62.21	61.32
11/20/2019	53.14	75.47	91.46	46.92	87.31	87.13	70.92	64.46397	117.06	46.87	105.74	69.93	42.66	87.28	48.84	55.71	33.37458	62.78	61.69
11/21/2019	53.38	75.19	91.07	46.65	86.82	86.66	71.01	64.21595	115.9	46.64	104.57	70.86	42.22	87.27	48.93	55.53	33.2659	62.68	61.7
11/22/2019	53.39	74.95	91.54	46.41	86.19	87.14	71.25	63.92825	115.72	47.34	105.65	71.15	41.99	87.2	48.45	55.48	33.4141	62.89	61.26
11/25/2019	52.75	74.17	90.89	46.8	86.04	87.6	70.28	63.085	115.38	47.72	104.65	71.6	42	86.6	48.35	55.31	33.45362	62.18	60.8
11/26/2019	52.97	74.13	91.5	46.91	86.44	88.2	69	63.5	116.47	47.77	105.25	71.75	42.11	87.5	48.19	55.63	33.69074	62.25	61.18
11/27/2019	53.05	74.18	91.59	47.27	86.73	88.56	69.83	63.29	116.92	47.79	106.16	71.82	42.2	87.39	48.61	55.64	33.88834	62.31	61.56
11/29/2019	53	74.33	91.35	47.28	86.89	88.17	69.1	63.27	116.39	47.69	105.05	71.57	42.06	87.39	48.45	55.51	33.62158	61.99	61.49
12/2/2019	52.43	73.68	90.28	46.73	85.55	87.29	71.56	62.38	115.98	47.52	103.94	71.02	41.96	85.75	48	55.03	33.77966	61.6	61.2
12/3/2019	52.7	73.81	90.88	46.83	86.29	87.86	71.74	62.56	116.92	47.74	104.1	70.92	42.11	86.08	48.63	55.04	33.77966	62.37	61.46
12/4/2019	53.17	74.36	92.03	47.23	86.78	88.95	71	63.26	118.11	48.19	104.48	71.68	42.6	86.94	49.2	55.35	34.14522	62.69	62.01
12/5/2019	53.17	75.09	92.46	47.24	86.69	89.29	71.34	63.53	118.42	48.41	104.7	71.93	42.76	86.59	48.83	55.49	33.9081	62.76	62.14
12/6/2019	53.11	75.19	92.39	47.34	86.79	89.76	71.37	63.07	118.09	48.38	104.61	71.7	43.01	86.2	48.78	55.33	33.9575	62.14	62
Average	52.70	74.82	90.62	46.72	86.77	88.12	69.51	63.36	116.39	47.22	104.26	70.35	42.63	86.73	48.44	55.28	33.50	61.87	61.20

Source: Yahoo Finance. Downloads on Dec. 9, 2019

Schedule PKC-4

Dividend Yield Estimate for the Next Period			
Company	Average Stock Price	2020 Dividend	Div. Yield(1)
Alliant Energy Corporation	52.70	1.5	2.85%
Ameren Corporation	74.82	2.06	2.75%
AEP Company	90.62	2.88	3.18%
Avista	46.72	1.61	3.45%
Consolidated Edison	86.77	3.06	3.53%
Duke Energy Corporation	88.12	3.82	4.33%
Edison International	69.51	2.49	3.58%
Evergy, Inc.	63.36	2.08	3.28%
Entergy Corporation	116.39	3.74	3.21%
First Energy Corporation	47.22	1.6	3.39%
IDACORP, Inc.	104.26	2.73	2.62%
NorthWestern Corporation	70.35	2.4	3.41%
OGE Energy Corporation	42.63	1.62	3.80%
Pinnacle West Capital Corporation	86.73	3.22	3.71%
PNM Resources, Inc.	48.44	1.24	2.56%
Portland General Electric Company	55.28	1.62	2.93%
PPL Corporation	33.50	1.66	4.95%
Southern Company	61.87	2.54	4.11%
Xcel Energy Inc.	61.20	1.72	2.81%
Average			3.39%

DY data from Value Line (latest one-pagers as of Nov. 14, 2019)

Schedule PKC-5

Growth Components											
Company		Value Line 5-yearly projections			Zacks EPS	SNL Median	Average EPS	Average of Average EPS, DPS and BPS	Internal growth	External Growth	Internal plus External growth
		EPS growth rate	DPS growth rate	BPS growth rate							
Alliant Energy Corporation	LNT	6.5	5.50	7.50	5.50	6.00	6.00	6.33%	3.82%	1.70%	5.52%
Ameren Corporation	AEE	6.5	6.00	5.00	6.20	4.83	5.84	5.61%	4.18%	0.77%	4.95%
AEP Company	AEP	4	5.50	4.00	5.60	5.97	5.19	4.90%	3.43%	1.91%	5.34%
Avista	AVA	3.5	4.00	3.50	3.40	3.51	3.47	3.66%	2.15%	0.96%	3.10%
Consolidated Edison	ED	3	3.50	3.50	2.00	3.00	2.67	3.22%	2.65%	0.18%	2.82%
Duke Energy Corporation	DUK	6	2.50	2.50	4.80	5.00	5.27	3.42%	2.41%	0.33%	2.74%
Edison International	EIX		3.50	5.50	5.30	5.81	5.56	4.85%	5.78%	1.25%	7.03%
Evergy, Inc.	EVRG				6.40	6.36	6.38	6.38%	2.57%	0.00%	2.57%
Entergy Corporation	ETR	0.5	4.00	4.00	7.00	2.17	3.22	3.74%	3.27%	2.20%	5.47%
First Energy Corporation	FE	6.5	3.50	7.00	6.00	6.00	6.17	5.56%	5.98%	1.10%	7.09%
IDACORP, Inc.	IDA	3.5	7.00	4.00	3.80	3.50	3.60	4.87%	3.50%	0.00%	3.50%
NorthWestern Corporation	NWE	3	4.50	3.50	2.70	3.75	3.15	3.72%	2.94%	0.24%	3.18%
OGE Energy Corporation	OGE	6.5	7.00	3.50	4.50	5.26	5.42	5.31%	3.40%	0.00%	3.40%
Pinnacle West Capital Corpor	PNW	5	6.00	3.50	4.90	5.00	4.97	4.82%	3.58%	0.33%	3.91%
PNM Resources, Inc.	PNM	7	7.00	4.00	5.60	6.00	6.20	5.73%	3.97%	2.14%	6.11%
Portland General Electric Com	POR	4.5	6.50	3.00	4.50	4.60	4.53	4.68%	3.14%	0.15%	3.29%
PPL Corporation	PPL	1.5	2.00	5.50		4.00	2.75	3.42%	4.59%	0.32%	4.91%
Southern Company	SO	3.5	3.00	3.50	4.50	4.00	4.00	3.50%	3.04%	1.28%	4.32%
Xcel Energy Inc.	XEL	5.5	6.00	5.00	5.40	6.00	5.63	5.54%	4.03%	0.37%	4.40%
Average		4.50	4.83	4.33	4.89	4.78	4.72	4.70%	3.60%	0.80%	4.40%

Value Line One-pagers' data latest per Nov.18, 2019. Zacks and SNL data latest as of November 27, 2019.

"External Component" of COE						
		current market to book ratio	# of shares 2020	# of shares 2023	growth rate in # of shares	sv
Alliant Energy Corporation	LNT	2.56	242	250	1.09%	1.70%
Ameren Corporation	AEE	2.29	250.5	255	0.60%	0.77%
AEP Company	AEP	2.31	496	518	1.46%	1.91%
Avista	AVA	1.66	68	71	1.45%	0.96%
Consolidated Edison	ED	1.6	341	344	0.29%	0.18%
Duke Energy Corporation	DUK	1.47	754	770	0.70%	0.33%
Edison International	EIX	1.94	370	385	1.33%	1.25%
Evergy, Inc.	EVERG	1.66	212	212	0.00%	0.00%
Entergy Corporation	ETR	2.34	200	210	1.64%	2.20%
First Energy Corporation	FE	3.58	543	550	0.43%	1.10%
IDACORP, Inc.	IDA	2.13	50.4	50.4	0.00%	0.00%
NorthWestern Corporation	NWE	1.8	50.65	51.1	0.30%	0.24%
OGE Energy Corporation	OGE	2.04	200	200	0.00%	0.00%
Pinnacle West Capital Corporation	PNW	1.74	112.5	114	0.44%	0.33%
PNM Resources, Inc.	PNM	2.32	81	85	1.62%	2.14%
Portland General Electric Company	POR	1.92	89.55	90	0.17%	0.15%
PPL Corporation	PPL	2.06	773	780	0.30%	0.32%
Southern Company	SO	2.36	1050	1080	0.94%	1.28%
Xcel Energy Inc.	XEL	2.46	526	530	0.25%	0.37%

Source: Value Line (data as of Nov. 18, 2019)

Market to book ratio (mrq) based on yahoo finance data from Dec. 9, 2019.

Expected Return on Equity				
EXPECTED ROE		2020	2022-2024	2017-21
Alliant Energy Corporation	LNT	10.50%	10.00%	10.13%
Ameren Corporation	AEE	10.00%	10.50%	10.38%
AEP Company	AEP	10.50%	10.50%	10.50%
Avista	AVA	7.50%	8.00%	7.88%
Consolidated Edison	ED	8.00%	8.50%	8.38%
Duke Energy Corporation	DUK	8.00%	8.50%	8.38%
Edison International	EIX	13.00%	11.50%	11.88%
El Paso Electric Company	EE	8.00%	8.50%	8.38%
Evergy, Inc.	EVRG	8.50%	8.50%	8.50%
Entergy Corporation	ETR	11.00%	11.00%	11.00%
First Energy Corporation	FE	17.00%	16.00%	16.25%
IDACORP, Inc.	IDA	9.00%	9.50%	9.38%
NorthWestern Corporation	NWE	9.00%	9.00%	9.00%
OGE Energy Corporation	OGE	10.50%	11.50%	11.25%
Pinnacle West Capital Corp	PNW	10.00%	10.50%	10.38%
PNM Resources, Inc.	PNM	10.00%	9.50%	9.63%
Portland General Electric Co	POR	8.50%	9.00%	8.88%
PPL Corporation	PPL	14.00%	13.00%	13.25%
Southern Company	SO	12.00%	12.50%	12.38%
Xcel Energy Inc.	XEL	10.50%	11.00%	10.88%
Average				10.33%

Retention Ratio (b)								
		2020			2022-24			Average
		earnings	dividends	b	earnings	dividends	b	Retention
		pershare	pershare		pershare	pershare		ratio (b)
Alliant Energy Corporation	LNT	2.40	1.50	0.38	2.80	1.74	0.38	0.38
Ameren Corporation	AEE	3.50	2.06	0.41	4.25	2.55	0.40	0.40
AEP Company	AEP	4.40	2.88	0.35	5.00	3.40	0.32	0.33
Avista	AVA	2.15	1.61	0.25	2.50	1.80	0.28	0.27
Consolidated Edison	ED	4.40	3.06	0.30	5.00	3.40	0.32	0.32
Duke Energy Corporation	DUK	5.20	3.82	0.27	5.75	4.05	0.30	0.29
Edison International	EIX	4.50	2.49	0.45	5.50	2.75	0.50	0.49
Evergy, Inc.	EVRG	3.20	2.08	0.35	3.50	2.50	0.29	0.30
Energy Corporation	ETR	5.55	3.74	0.33	6.25	4.45	0.29	0.30
First Energy Corporation	FE	2.55	1.60	0.37	3.00	1.90	0.37	0.37
IDACORP, Inc.	IDA	4.60	2.73	0.41	5.25	3.35	0.36	0.37
NorthWestern Corporation	NWE	3.60	2.40	0.33	4.00	2.70	0.33	0.33
OGE Energy Corporation	OGE	2.25	1.62	0.28	2.75	1.90	0.31	0.30
Pinnacle West Capital Corp	PNW	5.05	3.22	0.36	5.75	3.80	0.34	0.34
PNM Resources, Inc.	PNM	2.25	1.24	0.45	2.50	1.50	0.40	0.41
Portland General Electric Co	POR	2.55	1.62	0.36	3.00	1.95	0.35	0.35
PPL Corporation	PPL	2.55	1.66	0.35	2.75	1.80	0.35	0.35
Southern Company	SO	3.20	2.54	0.21	3.75	2.78	0.26	0.25
Xcel Energy Inc.	XEL	2.75	1.72	0.37	3.25	2.05	0.37	0.37

Source: Value Line one-pagers (latest data as of Nov. 14, 2019)

Schedule PKC-8

DCF ROE Estimates				
Company		Average of EPS, DPS, and BVPS growth rates	br and sv	EPS growth rates
Alliant Energy Corporation	LNT	9.18%	8.37%	8.85%
Ameren Corporation	AEE	8.37%	7.70%	8.60%
AEP Company	AEP	8.07%	8.51%	8.37%
Avista	AVA	7.10%	6.55%	6.92%
Consolidated Edison	ED	6.75%	6.35%	6.19%
Duke Energy Corporation	DUK	7.76%	7.08%	9.60%
Edison International	EIX	8.43%	10.61%	9.14%
Evergy, Inc.	EVRG	9.66%	5.85%	9.66%
Entergy Corporation	ETR	6.95%	8.68%	6.44%
First Energy Corporation	FE	8.94%	10.47%	9.56%
IDACORP, Inc.	IDA	7.49%	6.12%	6.22%
NorthWestern Corporation	NWE	7.13%	6.59%	6.56%
OGE Energy Corporation	OGE	9.11%	7.20%	9.22%
Pinnacle West Capital Corporation	PNW	8.54%	7.62%	8.68%
PNM Resources, Inc.	PNM	8.29%	8.67%	8.76%
Portland General Electric Company	POR	7.61%	6.22%	7.46%
PPL Corporation	PPL	8.37%	9.86%	7.70%
Southern Company	SO	7.61%	8.43%	8.11%
Xcel Energy Inc.	XEL	8.36%	7.21%	8.44%
Average		8.09%	7.79%	8.13%
Average plus 2*SD		9.72%	10.69%	10.49%
Average minus 2*SD		6.46%	4.90%	5.77%
Cost of Equity estimate		8.09%	8.24%	8.48%

The cells that are statistically outliers, if there are any, are shaded grey.

8.27%

Schedule PKC-9

PROXY BETA

Company		VL Betas
Alliant Energy Corporation	LNT	0.60
Ameren Corporation	AEE	0.55
AEP Company	AEP	0.55
Avista	AVA	0.60
Consolidated Edison	ED	0.45
Duke Energy Corporation	DUK	0.50
Edison International	EIX	0.60
Evergy, Inc.	EVERG	
Entergy Corporation	ETR	0.60
First Energy Corporation	FE	0.65
IDACORP, Inc.	IDA	0.55
NorthWestern Corporation	NWE	0.60
OGE Energy Corporation	OGE	0.80
Pinnacle West Capital Corporation	PNW	0.55
PNM Resources, Inc.	PNM	0.60
Portland General Electric Company	POR	0.60
PPL Corporation	PPL	0.70
Southern Company	SO	0.50
Xcel Energy Inc.	XEL	0.50
Proxy Average		0.58

Source: Value Line betas latest as of Nov. 18, 2019

Schedule PKC-10

Pricing Date	10y US T-Note
11/7/2019	1.926
11/8/2019	1.933
11/11/2019	1.943
11/12/2019	1.909
11/13/2019	1.87
11/14/2019	1.815
11/15/2019	1.834
11/18/2019	1.808
11/19/2019	1.786
11/20/2019	1.738
11/21/2019	1.772
11/22/2019	1.774
11/25/2019	1.764
11/26/2019	1.74
11/27/2019	1.767
12/2/2019	1.836
12/3/2019	1.709
12/4/2019	1.781
12/5/2019	1.797
12/6/2019	1.842
12/9/2019	1.821
Average	1.82

Data source for yields is SNL

CAPM Cost of Equity Estimates			
	CAPM1	CAPM2	CAPM3
	Dividend-Paying S&P 500 Stocks		All S&P 500 Stocks
	EPS growth projection	Average EPS, DPS & BVPS growth projections	EPS growth projection
DCF Market Return (a)	12.85	12.01	14.39
Risk Free Return (b)	1.82	1.82	1.82
Market Beta (c)	1.001	1.004	1.020
Risk Premium (a)-(b)	11.03	10.19	12.57
Beta adjusted RP (d) = ((a)-(b))/(c)	11.02	10.15	12.32
Proxy group beta (e)	0.58	0.58	0.58
CAPM ROE estimate (b)+(e)* (d)	8.25	7.74	9.00

Growth projections downloaded from Value Line on November 21, 2019.

Schedule PKC-11a

Value Line Latest Data

(downloaded on Nov.21, 2019)

Name	Mkt-Cap	Current Dyild	Beta	3-5 years Growth Projections					All Stocks Weighted DCF	
				EPS Gr. Proj.	DPS Gr. Proj.	BVPS Gr. Proj.	Average Gr. Proj.	EPS Weighted	Beta Weighted	
LyondellBasell Industries NV	30750496530	0.04554	1.40	5.5	5	10	6.833333	0.000122653	0.001687	
American Express Co	97619730300	0.01442	1.05	10	9	8.5	9.166667	0.000440433	0.004016	
Verizon Communications Inc	245996432320	0.04136	0.75	4.5	2	5.5	4	0.000841411	0.007229	
Broadcom Inc	123630450570	0.03401	1.10	33.5	22	6	20.5	0.001815218	0.005329	
Boeing Co/The	208744809810	0.02216	1.15	15.5	16.5	16		0.00146313	0.009406	
Caterpillar Inc	78212160160	0.02911	1.35	12	6	11	9.666667	0.000462328	0.004137	
JPMorgan Chase & Co	406582550550	0.02777	1.15	6	11.5	7.5	8.333333	0.001411593	0.018321	
Chevron Corp	221874920480	0.04057	1.25	16.5	3.5	3.5	7.833333	0.001816326	0.010868	
Coca-Cola Co/The	228020611020	0.03006	0.70	6.5	5	2.5	4.666667	0.000858073	0.006254	
AbbVie Inc	128953191200	0.05413	1.10	10.5	9		9.75	0.000818434	0.005558	
Walt Disney Co/The	264676616470	0.01198	0.90	6.5	4.5	22.5	11.16667	0.00080241	0.009334	
FleetCor Technologies Inc	26121081000	0	1.20	12.5	0	7	6.5	0.000127942	0.001228	
Extra Space Storage Inc	13853791670	0.03365	0.65	4	5.5	7	5.5	4.03463E-05	0.000353	
Exxon Mobil Corp	287842141180	0.05115	1.10	14	4	3.5	7.166667	0.002196343	0.012407	
Phillips 66	51572189480	0.03102	1.25	10	11	5	8.666667	0.000267902	0.002526	
General Electric Co	99475123110	0.00351	1.15	2.5	-9	1	-1.833333	0.000111299	0.004483	
HP Inc	29193705800	0.03578	1.50	8	7		7.5	0.000134082	0.001716	
Home Depot Inc/The	241919297700	0.02463	1.05	9	14.5		11.75	0.001097134	0.009953	
International Business Machines Corp	117966848400	0.04865	1.10	1.5	3.5	19	8	0.000295905	0.005085	
Concho Resources Inc	14480118870	0.00694	1.70	19.5		11	15.25	0.000114963	0.000965	
Johnson & Johnson	357776679680	0.02795	0.80	12	7	10	9.666667	0.002097654	0.011215	
McDonald's Corp	146197944090	0.02576	0.75	8.5	8.5		8.5	0.000640778	0.004296	
Merck & Co Inc	217096055680	0.02861	0.90	9	6.5	2.5	6	0.001019938	0.007656	
3M Co	96476306270	0.03433	1.00	6	6.5	6	6.166667	0.000360494	0.00378	
American Water Works Co Inc	21796162320	0.01659	0.55	9.5	9	5	7.833333	9.59784E-05	0.00047	
Bank of America Corp	294050047830	0.02203	1.30	10.5	18.5	7	12	0.001476984	0.014979	
Pfizer Inc	205039220100	0.03887	0.90	10	5.5	2.5	6	0.00113134	0.007231	
Procter & Gamble Co/The	304968269480	0.0244	0.70	9	4.5	8	7.166667	0.001380197	0.008365	
AT&T Inc	271599900000	0.05487	0.75	5.5	4.5	5.5	5.166667	0.001185344	0.007982	
Travelers Cos Inc/The	34956243590	0.02422	0.85	9	2.5	7	6.166667	0.000157944	0.001164	
United Technologies Corp	126598398850	0.02005	1.05	9	6.5	12	9.166667	0.000550397	0.005209	
Analog Devices Inc	40110103480	0.01989	1.20	10	5.5	10	8.5	0.000189992	0.001886	
Walmart Inc	338839552920	0.0178	0.75	7.5	4	3.5	5	0.001240985	0.009958	
Cisco Systems Inc	191241216040	0.03106	1.15	8	11.5		9.75	0.000841555	0.008618	
Intel Corp	251865000000	0.02176	1.10	10.5	5	7	7.5	0.001262288	0.010856	
General Motors Co	50407499520	0.04308	1.25	2	3	9	4.666667	0.000125445	0.002469	
Microsoft Corp	1141421953720	0.01363	1.10	14	11.5	12.5	12.66667	0.006913897	0.049198	
Dollar General Corp	41375094600	0.00795	0.80	12	8	8.5	9.5	0.000208213	0.001297	
Cigna Corp	74651391750	0.0002	1.00	14.5	4	18.5	12.333333	0.000424776	0.002925	
Kinder Morgan Inc/DE	45435197900	0.04985	1.35	35.5	17.5	4	19	0.000736526	0.002403	
Citigroup Inc	161359868540	0.0276	1.35	10	25.5	5	13.5	0.000815511	0.008536	
American International Group Inc	46046559360	0.02418	1.05		6	3	4.5	0	0	
Honeywell International Inc	126629538260	0.02031	1.05	8.5	9	8	8.5	0.000526819	0.00521	
Altria Group Inc	90510753150	0.06935	0.70	8.5	9	5.5	7.666667	0.000557871	0.002483	
HCA Healthcare Inc	47403517280	0.01145	0.95	12	31.5		21.75	0.000245441	0.001765	
Under Armour Inc	3782857480	0	1.30	19		7.5	13.25	2.81634E-05	0.000193	
International Paper Co	17739327840	0.04531	1.30	10.5	5.5	10.5	8.833333	0.000106134	0.000904	
Hewlett Packard Enterprise Co	22351889120	0.02804	1.50	6.5	14.5	3	8	8.22866E-05	0.001314	
Abbott Laboratories	148355773840	0.01526	1.05	10	7	6	7.666667	0.000674467	0.006104	
Aflac Inc	39732394340	0.01995	0.95	7.5	7.5	11	8.666667	0.000148991	0.001479	
Air Products & Chemicals Inc	52422454500	0.0195	1.00	10.5	6.5	10.5	9.166667	0.000257843	0.002054	
Royal Caribbean Cruises Ltd	24526827000	0.02667	1.15	12.5	11	8	10.5	0.000147367	0.001105	
American Electric Power Co Inc	45176849920	0.03061	0.55	4	5.5	4	4.5	0.000126079	0.000974	
Hess Corp	20454913780	0.0149	1.80		0	1.5	0.75	0	0	
Aon PLC	47185629610	0.00873	0.90	11	5	16	10.66667	0.000220412	0.001664	
Apache Corp	8599943320	0.04373	1.70		6	6	6	0	0	
Archer-Daniels-Midland Co	23659155000	0.03294	1.05	9.5	5.5	6	7	0.000120059	0.000973	
Automatic Data Processing Inc	73809624840	0.02134	1.00	13.5	12.5	14	13.33333	0.000456329	0.002892	
Verisk Analytics Inc	23652995800	0.00693	0.85	9.5	0	13.5	7.666667	9.47764E-05	0.000788	
AutoZone Inc	27630980550	0	0.80	13.5	0		6.75	0.000146165	0.000866	
Avery Dennison Corp	11003190310	0.01761	1.00	11	8.5	7	8.833333	5.54369E-05	0.000431	
MSCI Inc	21716333590	0.01061	1.00	18.5	16	31	21.83333	0.000167287	0.000851	
Ball Corp	22061647200	0.0089	1.00	25	13	10.5	16.16667	0.000224773	0.000864	
Bank of New York Mellon Corp/The	45077087120	0.02537	1.10	7	15.5	5	9.166667	0.000170022	0.001943	
Baxter International Inc	41865592000	0.01073	0.85	10.5	11.5	8.5	10.16667	0.000190776	0.001394	
Becton Dickinson and Co	66619248120	0.01248	0.90	9.5	6	8	7.833333	0.000282116	0.002349	
Best Buy Co Inc	19543937950	0.02697	1.15	8.5	14.5	4	9	8.66261E-05	0.000881	
H&R Block Inc	4915632800	0.04247	0.80	7	6	22	11.66667	2.19498E-05	0.000154	
Boston Scientific Corp	59390840640	0	0.90	16	0	8.5	8.166667	0.00037235	0.002094	
Bristol-Myers Squibb Co	91907966850	0.02907	0.80	9	1.5	7	5.833333	0.000433524	0.002881	
Fortune Brands Home & Security Inc	8620404450	0.01421	1.20	11.5	6	9.5	9	4.39211E-05	0.000405	
Cabot Oil & Gas Corp	6685890750	0.02441	1.15		25	9	17	0	0	
Campbell Soup Co	14541308360	0.029	0.65	1	2	12.5	5.166667	2.23045E-05	0.00037	
Kansas City Southern	15066240000	0.01053	1.10	12	8	8	9.333333	7.74326E-05	0.000649	
Hilton Worldwide Holdings Inc	28007499380	0.00604	1.15		0		0	0	0	
Carnival Corp	23016491850	0.0458	1.05	10	9.5	9.5	9.666667	0.00013356	0.000947	
Corvo Inc	11836968860	0	1.15	55.5	0	3.5	19.66667	0.000257422	0.000533	
CenturyLink Inc	16211705230	0.06725	1.10	1	-12.5	-2.5	-4.66667	4.92862E-05	0.000699	

UDR Inc	14295125340	0.02809	0.75	5.5	5	13	7.833333	4.69751E-05	0.00042
Clorox Co/The	18371129140	0.02897	0.70	5	5	15	8.333333	5.73687E-05	0.000504
CMS Energy Corp	17513051400	0.0248	0.50	7	7	7.5	7.166667	6.56509E-05	0.000343
Newell Brands Inc	8167386000	0.04769	1.15	4	8.5	-1.5	3.666667	2.8369E-05	0.000368
Colgate-Palmolive Co	57601927240	0.02559	0.75	6	3.5		4.75	0.000194917	0.001693
Comerica Inc	9988430660	0.03868	1.30	11	15.5	6	10.833333	5.90244E-05	0.000509
IPG Photonics Corp	7278019800	0	1.30	9.5	0	14.5	8	2.70925E-05	0.000371
Conagra Brands Inc	14351426460	0.02882	0.90	4.5	2	14.5	7	4.18774E-05	0.000506
Consolidated Edison Inc	29024463300	0.0339	0.45	3	3.5	3.5	3.333333	7.3252E-05	0.000512
SL Green Realty Corp	6683577300	0.04075	1.00	5.5	4.5	3.5	4.5	2.53696E-05	0.000262
Corning Inc	22011928200	0.02795	1.20	15	11.5	5.5	10.66667	0.000155294	0.001035
Cummins Inc	27671706480	0.02903	1.15	8	5	8.5	7.166667	0.00011948	0.001247
Danaher Corp	102685451760	0.00476	0.85	14	12	7.5	11.16667	0.000583805	0.00342
Target Corp	64596753470	0.02088	0.90	8.5	5	9	7.5	0.000270247	0.002278
Deere & Co	54180197110	0.01767	1.10	13.5	7	16	12.16667	0.000326652	0.002335
Dominion Energy Inc	68234409700	0.04427	0.55	6.5	5	7	6.166667	0.000296004	0.001471
Dover Corp	15771529620	0.01805	1.30	12.5	3.5	11	9	8.91015E-05	0.000803
Alliant Energy Corp	12772305280	0.02672	0.60	6.5	5.5	7.5	6.5	4.6338E-05	0.0003
Duke Energy Corp	66025632790	0.04338	0.50	6	2.5	2.5	3.666667	0.000270828	0.001294
Regency Centers Corp	10792797240	0.03633	0.80	16	6	4	8.666667	8.42587E-05	0.000338
Eaton Corp PLC	37131588000	0.03162	1.20	9	6.5	4	6.5	0.000179024	0.001746
Ecolab Inc	53676797680	0.00988	1.00	10	9.5	11.5	10.333333	0.000232148	0.002103
PerkinElmer Inc	10056862520	0.00309	1.15	11	2.5	7.5	7	4.46325E-05	0.000453
Emerson Electric Co	44315953500	0.02749	1.20	11.5	4	8.5	8	0.000250177	0.002084
EOG Resources Inc	41921913840	0.01596	1.45	33	13	15	20.333333	0.000572627	0.002382
Entergy Corp	23306880120	0.03178	0.60	0.5	4	4	2.833333	3.36624E-05	0.000548
Equifax Inc	16939511700	0.01115	1.00	8.5	8	11.5	9.333333	6.41353E-05	0.000664
IQVIA Holdings Inc	27623249680	0	0.95	12.5		10	11.25	0.0001353	0.001028
Gartner Inc	14129101350	0	1.00	13.5	0	22.5	12	7.47412E-05	0.000554
FedEx Corp	39728765700	0.01707	1.30	7.5	10	10	9.166667	0.000144326	0.002024
Macy's Inc	4639903300	0.10053	1.05	2.5	2.5	6	3.666667	2.30512E-05	0.000191
FMC Corp	12583024200	0.01648	1.35	15	25	12	17.333333	8.26935E-05	0.000666
Ford Motor Co	34613550810	0.06873	1.20	3	4	5	4	0.000135306	0.001628
NextEra Energy Inc	114969890720	0.02126	0.55	10.5	10	7.5	9.333333	0.000573831	0.002478
Franklin Resources Inc	13612253100	0.03805	1.25	7.5	11.5	2	7	6.10604E-05	0.000667
Freeport-McMoRan Inc	16003581420	0.01813	2.15	22.5		9	15.75	0.000153743	0.001348
Gap Inc/The	6117828640	0.05958	1.00	4.5	0.5	7	4	2.53916E-05	0.00024
General Dynamics Corp	53327774980	0.02213	0.95	6	6	3	5	0.000173007	0.001985
General Mills Inc	32135628980	0.03686	0.70	4	3	12	6.333333	9.77113E-05	0.000881
Genuine Parts Co	15010219830	0.02952	0.95	8	5.5	7	6.833333	6.51103E-05	0.000559
Atmos Energy Corp	12983433760	0.02114	0.60	7.5	7	7	7.166667	4.93142E-05	0.000305
WW Grainger Inc	16825045100	0.01844	1.00	8.5	10	15	11.16667	6.87123E-05	0.000659
Halliburton Co	18021316120	0.03507	1.50	21.5	0	8.5	10	0.00017925	0.001059
Harley-Davidson Inc	5480451840	0.04223	1.15	8.5	2.5	12	7.666667	2.77078E-05	0.000247
L3Harris Technologies Inc	45276322650	0.01465	0.90	16.5		32	24.25	0.000320865	0.001597
Helmerich & Payne Inc	4163280330	0.07398	1.65		0.5	4	2.25	0	0
Fortive Corp	23539860400	0.00399	1.15	10	9.5	9	9.5	9.61036E-05	0.001061
Hershey Co/The	31154299520	0.02073	0.65	6.5	6.5	23	12	0.000105478	0.000793
Synchrony Financial	23624816080	0.02407	1.15	9.5	17	10.5	12.333333	0.000111284	0.001065
Hormel Foods Corp	22880614500	0.0196	0.65	9	9	8	8.666667	9.90538E-05	0.000583
Arthur J Gallagher & Co	17365291300	0.01847	0.90	14.5	3	11	9.5	0.000112144	0.000612
Mondelez International Inc	75461175840	0.02175	0.95	8.5	10	5	7.833333	0.000318381	0.002809
CenterPoint Energy Inc	12279816900	0.04703	0.80	12.5	2.5	13.5	9.5	8.4191E-05	0.000385
Humana Inc	44729530020	0.00651	0.90	11.5	11	13.5	12	0.000213626	0.001577
Illinois Tool Works Inc	55423250640	0.02482	1.10	9	12	2	7.666667	0.000251782	0.002389
CDW Corp/DE	19784873700	0.01104	1.05	10.5	17.5	13.5	13.833333	9.041E-05	0.000814
Ingersoll-Rand PLC	31109274480	0.01633	1.20	12.5	10	13	11.833333	0.000173525	0.001463
Interpublic Group of Cos Inc/The	8580509160	0.04248	1.05	11	9.5	8.5	9.666667	5.20525E-05	0.000353
International Flavors & Fragrances Inc	14564246400	0.02199	0.95	8.5	9	15.5	11	6.15914E-05	0.000542
Jacobs Engineering Group Inc	12772041480	0.00721	1.30	14.5	15	10.5	13.333333	7.64371E-05	0.000651
Hanesbrands Inc	5447156820	0.03984	1.10	3	4	9	5.333333	1.50344E-05	0.000235
Kellogg Co	22300725720	0.03487	0.60	4	3.5	14	7.166667	6.60337E-05	0.000524
Broadridge Financial Solutions Inc	14037256240	0.01764	0.90	11	12	8.5	10.5	7.07407E-05	0.000495
Perrigo Co PLC	6627195900	0.01725	1.25	2	10	5	5.666667	9.71795E-06	0.000325
Kimberly-Clark Corp	46141687600	0.03061	0.70	7	3.5		5.25	0.000183843	0.001266
Kimco Realty Corp	9052675520	0.05224	0.85	5	5	5	5	3.67301E-05	0.000302
Kohl's Corp	7513976940	0.05676	1.05	6.5	9.5	4	6.666667	3.63929E-05	0.000309
Oracle Corp	184608756080	0.01707	1.05	10	11	-4	5.666667	0.00085303	0.007595
Kroger Co/The	21315102390	0.02407	0.80	4	12	12	9.333333	5.39144E-05	0.000668
Leggett & Platt Inc	6892049110	0.03055	1.05	9	7	5.5	7.166667	3.2927E-05	0.000284
Lennar Corp	16717292130	0.00268	1.10	8	11	13	10.66667	5.42302E-05	0.000721
Eli Lilly & Co	110040613910	0.02251	0.70	11.5	7	6.5	8.333333	0.000598505	0.003018
L Brands Inc	4391868880	0.07552	1.05	-2.5	-11		-6.75	8.53164E-06	0.000181
Charter Communications Inc	102896802400	0	1.05	17.5	0	5.5	7.666667	0.000705589	0.004234
Lincoln National Corp	11304867000	0.02807	1.55	9	11	8.5	9.5	5.28614E-05	0.000687
Loews Corp	14976053650	0.00497	1.00	13.5	0	5.5	6.333333	8.23349E-05	0.000587
Lowe's Cos Inc	90941076170	0.01867	1.10	11.5	10.5		11	0.000480153	0.00392
Host Hotels & Resorts Inc	12084449300	0.04748	1.20	-1.5	3	0.5	0.666667	1.52113E-05	0.000568
Xerox Holdings Corp	8280000400	0.02611	1.45	9.5	0.5	13	7.666667	3.9696E-05	0.00047
IDEX Corp	12322480600	0.01234	1.10	9.5	11	12.5	11	5.21119E-05	0.000531
Marsh & McLennan Cos Inc	54080222880	0.01698	0.90	9	7.5	6.5	7.666667	0.00022832	0.001907
Masco Corp	13090700480	0.0118	1.20	9.5	9		9.25	5.50705E-05	0.000616
S&P Global Inc	65523640000	0.0085	1.05	13	13	31	19	0.000357017	0.002696
Medtronic PLC	149985177510	0.01932	0.85	8.5	6.5	3.5	6.166667	0.000617921	0.004996
CVS Health Corp	97468222880	0.0267	0.95	6.5	8	10	8.166667	0.000353537	0.003628
Micron Technology Inc	50448314070	0	1.70	12	0	22.5	11.5	0.000237214	0.003361
Motorola Solutions Inc	28503456960	0.01539	0.90	13	13		13	0.000163502	0.001005

Cboe Global Markets Inc	13671378520	0.01168	0.65	14.5	9.5	19.5	14.5	8.43876E-05	0.000348
Mylan NV	8898132920	0	1.35	3.5	0	3	2.166667	1.22033E-05	0.000471
Laboratory Corp of America Holdings	16591477000	0	0.95	8	0	9.5	5.833333	5.201E-05	0.000618
Newmont Goldcorp Corp	31539206330	0.01456	0.70	2.5	12.5	6	7	4.91148E-05	0.000865
NIKE Inc	145255888600	0.01053	1.00	17	12	5.5	11.5	0.001032626	0.005692
NiSource Inc	9734556640	0.0307	0.55	12.5	9	7.5	9.666667	6.01223E-05	0.00021
Noble Energy Inc	9604223840	0.0239	1.70	0	5.5	-0.5	1.666667	8.9944E-06	0.00064
Norfolk Southern Corp	49510640360	0.0198	1.20	15	10.5	2	9.166667	0.0003323	0.002328
Principal Financial Group Inc	15072036160	0.04053	1.35	5.5	5.5	8	6.333333	5.7077E-05	0.000797
Eversource Energy	26710282500	0.02594	0.55	5.5	5.5	4.5	5.166667	8.54603E-05	0.000576
Northrop Grumman Corp	59492149000	0.01496	0.85	9.5	8	6	7.833333	0.000257991	0.001981
Wells Fargo & Co	226439880860	0.0381	1.10	5	6	5	5.333333	0.000790152	0.00976
Nucor Corp	16403931500	0.02957	1.35	13	6.5	7.5	9	0.000103803	0.000868
PVH Corp	7252024640	0.00153	1.30	9	0	8	5.666667	2.60292E-05	0.000369
Occidental Petroleum Corp	34374838160	0.08212	1.25	33	3	7	14.33333	0.000573357	0.001684
Omnicom Group Inc	16874230000	0.03355	0.95	6.5	7	10	7.833333	6.58827E-05	0.000628
ONEOK Inc	29242287150	0.0517	1.50	17	10	10	12.33333	0.000259068	0.001719
Raymond James Financial Inc	12352861710	0.01529	1.25	10	13.5	11	11.5	5.61748E-05	0.000605
Parker-Hannifin Corp	25049390350	0.01805	1.35	9	10.5	13.5	11	0.000106853	0.001325
Rollins Inc	11977828360	0.01148	0.90	13	11	9.5	11.16667	6.67528E-05	0.000422
PPL Corp	24424054740	0.04885	0.70	1.5	2	5.5	3	6.14576E-05	0.00067
ConocoPhillips	65133887840	0.0283	1.45		6.5	3.5	5	0	0
PulteGroup Inc	10742440000	0.0111	1.05	8	9.5	13	10.16667	3.85341E-05	0.000442
Pinnacle West Capital Corp	9811232080	0.03586	0.50	5	6	3.5	4.833333	3.3532E-05	0.000192
PNC Financial Services Group Inc/The	66505442600	0.03031	1.10	8	11.5	6	8.5	0.000290624	0.002867
PPG Industries Inc	29912569500	0.01613	1.10	6	6	3.5	5.166667	8.97993E-05	0.001289
Progressive Corp/The	41233953900	0.00567	0.85	15.5	-6.5	13	7.333333	0.000260308	0.001373
Public Service Enterprise Group Inc	30955488460	0.03071	0.65	6	5	5	5.333333	0.000111146	0.000788
Raytheon Co	60449436530	0.01737	0.85	10	6	3	6.333333	0.000280068	0.002013
Robert Half International Inc	6782386740	0.02123	1.20	9	7	17	11	2.98147E-05	0.000319
Edison International	25431982920	0.03455	0.55		3.5	5.5	4.5	0	0
Schlumberger Ltd	50031818460	0.05534	1.35	16.5	0		8.25	0.000440918	0.002647
Charles Schwab Corp/The	57382388000	0.0152	1.30	12	18	10	13.33333	0.000306046	0.002923
Sherwin-Williams Co/The	53171830180	0.00785	1.05	10.5	10.5	14	11.66667	0.000235982	0.002188
JM Smucker Co/The	12026361600	0.03338	0.70	5	4.5	5	4.833333	3.96856E-05	0.00033
Snap-on Inc	8703511740	0.02722	1.10	6	6.5	3.5	5.333333	3.00241E-05	0.000375
AMETEK Inc	22514124570	0.00569	1.15	15.5	13	11	13.16667	0.00014215	0.001015
Southern Co/The	65839520520	0.0395	0.50	3.5	3	3.5	3.333333	0.000193984	0.00129
BB&T Corp	41694546230	0.03308	1.10	8	8	6.5	7.5	0.000186909	0.001797
Southwest Airlines Co	29908265080	0.01267	1.15	10.5	16.5	9	12	0.000138681	0.001348
Stanley Black & Decker Inc	23359684040	0.01796	1.20	9	6	4	6.333333	9.95591E-05	0.001098
Public Storage	37292433200	0.03747	0.65	4.5	4	6.5	5	0.000121743	0.00095
Arista Networks Inc	14824461960	0	1.15	12	0	12	8	6.97063E-05	0.000668
SunTrust Banks Inc	31269296800	0.03181	1.20	10	12.5	5	9.166667	0.000163451	0.00147
Sysco Corp	40726319140	0.02255	0.70	10.5	7	-17.5	0	0.000205438	0.001117
Texas Instruments Inc	108648898250	0.03097	1.10	6.5	10	12.5	9.666667	0.000412861	0.004683
Textron Inc	10497815370	0.00174	1.35	13	12	4	9.666667	5.42377E-05	0.000555
Thermo Fisher Scientific Inc	123236564030	0.00247	1.05	10	11.5	6.5	9.333333	0.000495417	0.00507
Tiffany & Co	14898140670	0.01881	1.15	10.5	7.5	6	8	7.28534E-05	0.000671
TJX Cos Inc/The	71713905560	0.01551	0.90	14	14	9	12.33333	0.000440043	0.002529
Globe Life Inc	10838545920	0.00689	1.00	10	7	8	8.333333	4.55426E-05	0.000425
Johnson Controls International plc	33745933870	0.02452	1.20	4.5	3	4.5	4	9.26565E-05	0.001587
Ulta Beauty Inc	13787732210	0	0.95	16	0	20	12	8.6442E-05	0.000513
Union Pacific Corp	120853278000	0.02229	1.15	14.5	10	3	9.166667	0.000799863	0.005446
Keysight Technologies Inc	20166510780	0	1.10	22	0	22	14.66667	0.000173846	0.000869
UnitedHealth Group Inc	261069677400	0.01568	1.00	14	14	11	13	0.001603808	0.01023
Unum Group	6099344760	0.03855	1.30	9	11.5	5	8.5	3.11378E-05	0.000311
Marathon Oil Corp	9351170010	0.01711	2.00		12	2.5	7.25	0	0
Varian Medical Systems Inc	11747779610	0	1.00	10.5	0	13	7.833333	4.83345E-05	0.00046
Ventas Inc	21790146560	0.05423	0.65	4	4.5	1	3.166667	8.13826E-05	0.000555
VF Corp	34146477000	0.02246	1.15	7	4	4.5	5.166667	0.000124764	0.001539
Vornado Realty Trust	12206766000	0.04128	0.95	-1.5	2	3	1.166667	1.2422E-05	0.000454
Vulcan Materials Co	18628966250	0.00881	1.15	14.5	10.5	3.5	9.5	0.000112742	0.000839
Weyerhaeuser Co	21989140420	0.04609	1.20	17.5	6	0	7.833333	0.000193972	0.001034
Whirlpool Corp	9016112000	0.03365	1.20	6.5	2.5	17	8.666667	3.52384E-05	0.000424
Williams Cos Inc/The	27125656620	0.06792	1.90	20	6	8.5	11.5	0.000291991	0.00202
WEC Energy Group Inc	27821455200	0.02676	0.50	6	6	3.5	5.166667	9.54578E-05	0.000545
Adobe Inc	145272107900	0	1.10	21	0	21	14	0.0011954	0.006262
AES Corp/VA	12348409800	0.02935	1.15		5.5	0	2.75	0	0
Amgen Inc	133994433840	0.02572	1.05	7	7	8.5	7.5	0.000507302	0.005513
Apple Inc	1169422915350	0.0117	1.05	12.5	12	12.5	12.33333	0.006297511	0.048114
Autodesk Inc	36304484040	0	1.35		0	54.5	27.25	0	0
Cintas Corp	26854110000	0.00983	1.00	15.5	16	4.5	12	0.000174245	0.001052
Comcast Corp	201145088750	0.019	0.90	13	13	10	12	0.001184111	0.007094
Molson Coors Brewing Co	10281485110	0.04352	0.95	5.5	9	4.5	6.333333	4.01732E-05	0.000383
KLA Corp	27404083980	0.01958	1.15	10	9.5	22	13.83333	0.000129457	0.001235
Marriott International Inc/MD	43387809270	0.01447	1.15	17.5	10		13.75	0.000324274	0.001955
McCormick & Co Inc/MD	20753581500	0.01358	0.70	8	6.5	13.5	9.333333	7.65423E-05	0.000569
Nordstrom Inc	5270194300	0.04359	1.05	5	6	2.5	4.5	1.95522E-05	0.000217
PACCAR Inc	27272164900	0.01623	1.20	7.5	6.5	11	8.333333	9.81424E-05	0.001282
Costco Wholesale Corp	132147704490	0.00865	0.85	9	9.5	9	9.166667	0.000512836	0.004401
First Republic Bank/CA	18272273640	0.007	1.10	10.5	6	12	9.5	8.04535E-05	0.000788
Stryker Corp	76483178100	0.01018	0.90	13	9	15	12.33333	0.000422094	0.002697
Tyson Foods Inc	33093970900	0.01854	0.75	7.5	14	11	10.83333	0.000122201	0.000973
Lamb Weston Holdings Inc	12194799870	0.00958	0.75	11	15.5		13.25	5.73924E-05	0.000358
Applied Materials Inc	55101926100	0.01408	1.30	8.5	13	14	11.83333	0.000215219	0.002807
American Airlines Group Inc	12366377340	0.01417	1.30	7.5	7	-27.5	-4.33333	4.34664E-05	0.00063

Cardinal Health Inc	16206760080	0.03473	1.15	11	3	5.5	6.5	9.31239E-05	0.00073
Celgene Corp	77035923360	0	1.20	9	0	6.5	5.166667	0.000271674	0.003622
Cerner Corp	21254943990	0.01064	0.95	9	0	7	5.333333	8.42178E-05	0.000791
Cincinnati Financial Corp	17632955820	0.02075	0.85	8.5	3	2.5	4.666667	7.36757E-05	0.000587
DR Horton Inc	20105279670	0.01283	1.05	7.5	11	12.5	10.33333	6.95725E-05	0.000827
Flowserve Corp	6308760600	0.01576	1.45	13.5	3	9.5	8.666667	3.75315E-05	0.000358
Electronic Arts Inc	28648979480	0	0.95	11	0	16	9	0.000123485	0.001066
Expeditors International of Washington Inc	12854319480	0.01325	1.00	9	8	7	8	5.2306E-05	0.000504
Fastenal Co	20222562020	0.02496	1.10	8.5	7	6.5	7.333333	8.79736E-05	0.000872
M&T Bank Corp	21505521200	0.027	1.05	9.5	10.5	7	9	0.000103887	0.000885
Xcel Energy Inc	33080213770	0.02626	0.50	5.5	6	5	5.5	0.000106267	0.000648
Fiserv Inc	78425888250	0	0.90	10.5	0	8.5	6.333333	0.000322671	0.002766
Fifth Third Bancorp	21119689920	0.03226	1.20	7	12.5	9	9.5	8.55607E-05	0.000993
Gilead Sciences Inc	82082672480	0.03884	0.95	-1.5	6	6.5	3.666667	7.57409E-05	0.003056
Hasbro Inc	12986820030	0.02866	0.90	7.5	6	2	5.166667	5.32973E-05	0.000458
Huntington Bancshares Inc/OH	15140188300	0.04093	1.20	11.5	13	7	10.5	9.39028E-05	0.000712
Welltower Inc	34381155480	0.04102	0.65	10.5	5	0.5	5.333333	0.00019962	0.000876
Biogen Inc	51498146800	0	1.10	8	0	7.5	5.166667	0.000161433	0.00222
Northern Trust Corp	22523056600	0.02634	1.25	8.5	10.5	6	8.333333	9.92511E-05	0.001103
Packaging Corp of America	10613054960	0.02818	1.15	6	7.5	12.5	8.666667	3.70225E-05	0.000478
Paychex Inc	30693698000	0.02892	1.00	10.5	10	7.5	9.333333	0.000162893	0.001203
People's United Financial Inc	7238066880	0.0435	1.05	9	1.5	4	4.833333	3.84182E-05	0.000298
QUALCOMM Inc	97764768900	0.02897	1.10	10.5	8	13	10.5	0.000519044	0.004214
Roper Technologies Inc	36740798640	0.00581	1.05	11.5	10	12.5	11.33333	0.000174406	0.001512
Ross Stores Inc	39949461200	0.00924	1.00	9.5	12.5	11.5	11.16667	0.000163863	0.001565
IDEXX Laboratories Inc	22346471500	0	0.90	13	0		6.5	0.000113832	0.000788
Starbucks Corp	98731600000	0.01962	0.90	13	13.5		13.25	0.000583773	0.003482
KeyCorp	18792998640	0.03878	1.25	10.5	13	7	10.16667	0.000107377	0.00092
State Street Corp	26548115230	0.02849	1.30	5	8.5	7.5	7	8.23916E-05	0.001352
Norwegian Cruise Line Holdings Ltd	11229367240	0	1.20	16	0	10.5	8.833333	7.04023E-05	0.000528
US Bancorp	92321485490	0.02842	1.05	6	9	8	7.666667	0.000322948	0.003798
AO Smith Corp	7844056080	0.01996	1.20	7.5	17.5	9	11.33333	2.94173E-05	0.000369
T Rowe Price Group Inc	28258559610	0.02514	1.15	10	9	10	9.666667	0.000139958	0.001273
Waste Management Inc	47756809370	0.01821	0.75	8.5	8	7.5	8	0.000194587	0.001403
CBS Corp	13728594250	0.01846	1.05	9.5	6	13.5	9.666667	6.15069E-05	0.000565
Allergan PLC	60718113920	0.016	1.05	3.5	9.5	2	5	0.000122005	0.002498
Constellation Brands Inc	31131178280	0.01614	0.85	8.5	10.5	8	9	0.000124213	0.001037
Xilinx Inc	22886011670	0.01626	1.15	9.5	5.5	8	7.666667	0.000100467	0.001031
DENTSPLY SIRONA Inc	12595304820	0.00706	0.90	4.5	10	0.5	5	2.5772E-05	0.000444
Zions Bancorp NA	8333132640	0.02782	1.25	9.5		6.5	8	4.05356E-05	0.000408
Alaska Air Group Inc	8429960120	0.02046	1.05	5.5	8	4.5	6	2.51119E-05	0.000347
Invesco Ltd	7802437860	0.07213	1.40	3.5	4.5	12.5	6.833333	3.31391E-05	0.000428
Intuit Inc	71125037520	0.00775	1.10	14.5	14	33	20.5	0.000427278	0.003066
Morgan Stanley	79473161800	0.02851	1.40	10	9.5	10.5	10	0.000404632	0.00436
Microchip Technology Inc	21782844700	0.01608	1.25	10.5	5.5	20	12	0.000104068	0.001067
Chubb Ltd	69117837020	0.01967	0.85	10	4	6.5	6.833333	0.00032677	0.002302
Hologic Inc	13148782140	0	1.00	25	0	13.5	12.83333	0.000128806	0.000515
Citizens Financial Group Inc	16519322000	0.03789	1.25	12	18.5	5	11.83333	0.000103673	0.000809
O'Reilly Automotive Inc	33191603300	0	0.90	12	0	29.5	13.83333	0.000156071	0.001171
Allstate Corp/The	35764742400	0.01812	0.80	10.5	7	9	8.833333	0.000173875	0.001121
FLIR Systems Inc	7144988780	0.01277	0.95	12	6.5	7.5	8.666667	3.7863E-05	0.000266
Equity Residential	32181537640	0.02619	0.75		4	3.5	3.75	0	0
BorgWarner Inc	8676835860	0.01618	1.40	8	10.5	9.5	9.333333	3.29208E-05	0.000476
Incyte Corp	19148793300	0	1.15		0	24	12	0	0
Simon Property Group Inc	45487191870	0.05667	0.85	4.5	6.5	3.5	4.833333	0.000183488	0.001515
Eastman Chemical Co	10452705730	0.03226	1.30	8	5.5	4.5	6	4.65082E-05	0.000532
Twitter Inc	22646333690	0	1.25		0	5.5	2.75	0	0
AvalonBay Communities Inc	30217270320	0.0281	0.75	2.5	6.5	3	4	6.32885E-05	0.000888
Prudential Financial Inc	37434240000	0.04296	1.35	7	9	3.5	6.5	0.000167899	0.00198
United Parcel Service Inc	102089515230	0.03227	1.00	8.5	7.5	35.5	17.16667	0.000474602	0.004
Apartment Investment & Management Co	8127632150	0.02858	0.80	-3	4	0.5	0.5	-5.88765E-07	0.000255
Walgreens Boots Alliance Inc	54748464940	0.02983	0.95	9.5	7.5	9.5	8.833333	0.000270835	0.002038
McKesson Corp	27154331600	0.01088	1.15	10.5	8.5	8.5	9.166667	0.000123907	0.001224
Lockheed Martin Corp	110769281700	0.02445	0.80	11.5	10.5		11	0.000611373	0.003472
AmerisourceBergen Corp	18028471100	0.01828	1.00	8	3.5	8	6.5	6.99447E-05	0.000706
Capital One Financial Corp	44946733710	0.01658	1.25	5.5	1.5	7.5	4.833333	0.00012687	0.002202
Waters Corp	14027926140	0	1.00	6	0	7.5	4.5	3.29804E-05	0.00055
Dollar Tree Inc	25380397500	0	0.90	12	0	14	8.666667	0.000119342	0.000895
Darden Restaurants Inc	14068579500	0.03068	0.80	11	8	10	9.666667	7.84825E-05	0.000441
NVR Inc	13420942050	0	0.80	13.5	0	10	7.833333	7.09951E-05	0.000421
NetApp Inc	14022205440	0.03125	1.30	10	16.5	1	9.166667	7.29738E-05	0.000714
Citrix Systems Inc	14704442400	0.0124	1.10	7		10	8.5	4.77275E-05	0.000634
DXC Technology Co	9187768220	0.0234	1.30	10	13.5	10	11.16667	4.48472E-05	0.000468
DaVita Inc	9403250000	0	1.05	12	0	9	7	4.42151E-05	0.000387
Hartford Financial Services Group Inc/The	22310059900	0.01939	0.90	13	5.5	6	8.166667	0.000131699	0.000787
Iron Mountain Inc	9782962010	0.07262	0.90	8.5	5	-7.5	2	6.16049E-05	0.000345
Estee Lauder Cos Inc/The	70260879780	0.00983	0.85	14	12	4	10	0.000414395	0.00234
Cadence Design Systems Inc	18996146100	0	1.05	12.5	0	22.5	11.66667	9.30438E-05	0.000782
Universal Health Services Inc	12302742000	0.00569	0.95	11	23	11	15	5.5922E-05	0.000458
E*TRADE Financial Corp	10360507760	0.01221	1.30	17.5		8.5	13	7.64352E-05	0.000528
Skyworks Solutions Inc	16362815000	0.01833	1.15	6	11	15.5	10.83333	5.0575E-05	0.000737
National Oilwell Varco Inc	8241371520	0.00936	1.35	31	-10.5	1	7.166667	0.0001036	0.000436
Quest Diagnostics Inc	14127021360	0.02021	0.95	8.5	8.5	8.5	8.5	5.87152E-05	0.000526
Activision Blizzard Inc	41551342100	0.00684	1.05	10	9	9.5	9.5	0.000174509	0.00171
Rockwell Automation Inc	22671476870	0.02079	1.25	9.5	6	6.5	7.333333	0.000103741	0.00111
Kraft Heinz Co/The	37965895490	0.05146	0.90	0	-4.5	-1	-1.83333	7.65553E-05	0.001339
American Tower Corp	96516626000	0.01744	0.75	11.5	8	8	9.166667	0.000504672	0.002836

HollyFrontier Corp	8450380400	0.02674	1.25	18	3.5	12	11.16667	6.92531E-05	0.000414
Regeneron Pharmaceuticals Inc	37159675280	0	1.10	10		8.5	9.25	0.000145608	0.001602
Amazon.com Inc	865428537410	0	1.20	39	0	37	25.33333	0.013225365	0.040693
Jack Henry & Associates Inc	11567477950	0.01064	0.85	12	9.5	9	10.16667	5.95037E-05	0.000385
Ralph Lauren Corp	7977196560	0.02572	1.25	8	5.5	0.5	4.666667	3.33676E-05	0.000391
Boston Properties Inc	21345567100	0.02753	0.90	5	7	5.5	5.833333	6.54226E-05	0.000753
Amphenol Corp	30307412240	0.00978	1.05	9.5	9	5	7.833333	0.000124986	0.001247
Pioneer Natural Resources Co	21611964090	0.01349	1.45			8	8	0	0
Valero Energy Corp	39911365070	0.03704	1.30	11.5	8	5.5	8.333333	0.000241106	0.002033
Synopsys Inc	21166421080	0	1.05	8	0	6	4.666667	6.63513E-05	0.000871
Western Union Co/The	11307334320	0.02966	0.95	6.5	13.5	39.5	19.83333	4.23681E-05	0.000421
CH Robinson Worldwide Inc	10219490000	0.02647	0.90	9	7.5	13	9.833333	4.71166E-05	0.00036
Accenture PLC	132861120000	0.01619	1.05	9	9.5	19	12.5	0.000556625	0.005466
TransDigm Group Inc	30790100000	0	0.95	11	0		5.5	0.000132714	0.001146
Yum! Brands Inc	29677571440	0.01712	0.65	12	9		10.5	0.000160651	0.000756
Prologis Inc	57836163200	0.02316	1.00	6.5	8	5	6.5	0.0002015	0.002266
FirstEnergy Corp	25324423440	0.03328	0.65	6.5	3.5	7	5.666667	9.85984E-05	0.000645
VeriSign Inc	22601232500	0	0.95	11	0		5.5	9.74174E-05	0.000841
Quanta Services Inc	6014865800	0.00379	1.40	15.5	0	8	7.833333	3.74942E-05	0.00033
Henry Schein Inc	10029679000	0	0.95	7	0	9.5	5.5	2.75104E-05	0.000373
Ameren Corp	18567884100	0.02624	0.55	6.5	6	5	5.833333	6.70039E-05	0.0004
ANSYS Inc	20667803100	0	1.05	12		13.5	12.75	9.71824E-05	0.00085
NVIDIA Corp	129242160000	0.00303	1.35	11.5	6.5	26.5	14.83333	0.000598617	0.006837
Sealed Air Corp	5788169360	0.01708	0.95	22.5	4		13.25	5.53408E-05	0.000215
Cognizant Technology Solutions Corp	34775916660	0.0126	1.15	6	17.5	11.5	11.66667	9.94449E-05	0.001567
SVB Financial Group	11777099840	0	1.60	19.5	0	10	9.833333	8.9988E-05	0.000738
Intuitive Surgical Inc	66169582220	0	1.00	14	0	17.5	10.5	0.000362993	0.002593
Affiliated Managers Group Inc	4138848000	0.01524	1.50	10	22	5.5	12.5	1.88129E-05	0.000243
Take-Two Interactive Software Inc	13987019800	0	0.90	25.5	0	21.5	15.66667	0.000139758	0.000493
Republic Services Inc	27992207950	0.01847	0.75	11.5	10	6	9.166667	0.000147562	0.000823
eBay Inc	28359481500	0.01606	1.05	10	0	1	3.666667	0.000129864	0.001167
Goldman Sachs Group Inc/The	77159098170	0.02295	1.25	10	18.5	11.5	13.33333	0.000375199	0.003779
Sempra Energy	41681142560	0.02617	0.70	11	8	6.5	8.5	0.00022475	0.001143
SBA Communications Corp	27108690750	0.00615	0.90	27			27	0.000294218	0.000956
Moody's Corp	42274208000	0.00893	1.10	11.5	11		11.25	0.000206139	0.001822
Booking Holdings Inc	77509777920	0	1.20	12	0	15.5	9.166667	0.00036446	0.003645
F5 Networks Inc	8727586640	0	1.05	12	0	12.5	8.166667	4.10381E-05	0.000359
Akamai Technologies Inc	14036662860	0	1.10	18	0	11	9.666667	9.9003E-05	0.000605
MarketAxess Holdings Inc	15280418730	0.00504	0.75	14	16	16	15.33333	8.70543E-05	0.000449
Devon Energy Corp	8430995000	0.0164	1.90	0	0	6.5	2.166667	5.41794E-06	0.000628
Teleflex Inc	16341099120	0.00385	0.95	15	2.5	10	9.166667	9.86972E-05	0.000608
Netflix Inc	133736675160	0	1.25	32	0	9	13.66667	0.00167692	0.00655
Allegion PLC	10917747500	0.00919	1.10	8.5	15	35.5	19.66667	4.0462E-05	0.000471
Agilent Technologies Inc	24299427360	0.00835	1.10	11	11	7.5	9.833333	0.000113125	0.001047
Anthem Inc	74218182800	0.01093	0.95	19.5	13	14	15.5	0.000601982	0.002763
CME Group Inc	74051717040	0.01452	0.65	3	5.5	6.5	5	0.000129814	0.001886
Juniper Networks Inc	8555110920	0.02973	1.10	6	11	-2.5	4.833333	3.03788E-05	0.000369
BlackRock Inc	75458088510	0.027	1.25	10.5	10	4	8.166667	0.000394485	0.003696
DTE Energy Co	24138070500	0.03263	0.55	5.5	6	5.5	5.666667	8.37321E-05	0.00052
Nasdaq Inc	17325815500	0.01779	0.85	8	5.5	10	7.833333	6.68727E-05	0.000577
Celanese Corp	15017385760	0.01996	1.30	8.5	13	10	10.5	6.22624E-05	0.000765
Philip Morris International Inc	129884445000	0.05606	0.85	6	4.5		5.25	0.000599238	0.004326
salesforce.com Inc	144003400000	0	1.10	30.5		8	19.25	0.001721014	0.006207
Huntington Ingalls Industries Inc	10399234000	0.0162	1.10	7	12	11.5	10.16667	3.53564E-05	0.000448
MetLife Inc	45006741140	0.03596	1.30	7.5	5.5	2	5	0.000198062	0.002293
Tapestry Inc	7210207680	0.05166	1.15	11	5.5	10.5	9	4.6476E-05	0.000325
CSX Corp	54419361720	0.0138	1.25	14.5	10	5	9.833333	0.000340756	0.002665
Edwards Lifesciences Corp	50939051100	0	0.95	16.5	0	12	9.5	0.000329342	0.001896
Ameriprise Financial Inc	20066112480	0.0245	1.40	12.5	3.5	18.5	11.5	0.000118752	0.001101
Zimmer Biomet Holdings Inc	29324367880	0.00673	0.95	4.5	4	9	5.833333	5.96146E-05	0.001092
CBRE Group Inc	18578736000	0	1.35	11	0	21.5	10.83333	8.00794E-05	0.000983
Mastercard Inc	284651995620	0.00463	1.00	19	12.5	35	22.16667	0.002175786	0.011154
CarMax Inc	16372295100	0	1.15	10.5	0	16	8.833333	6.73613E-05	0.000738
Intercontinental Exchange Inc	52611188000	0.01164	0.80	10.5	9.5	8.5	9.5	0.000241717	0.001649
Fidelity National Information Services Inc	84489062000	0.01018	0.85	7	5.5	5	5.833333	0.000266627	0.002814
Chipotle Mexican Grill Inc	21567252300	0	0.95	26.5	0	7	11.16667	0.000223951	0.000803
Wynn Resorts Ltd	12619580250	0.03403	1.70	27	9.5	46	27.5	0.000152611	0.000841
Assurant Inc	8031844560	0.01902	0.85	6.5	5	10.5	7.333333	2.66375E-05	0.000268
NRG Energy Inc	9973186160	0.00303	1.25		4	5.5	4.75	0	0
Regions Financial Corp	15829725990	0.03778	1.35	10.5	13.5	7	10.33333	8.97934E-05	0.000837
Monster Beverage Corp	31602982000	0	0.80	14.5	0	16.5	10.33333	0.000179559	0.000991
Mosaic Co/The	6866973190	0.01103	1.50	21		5	13	5.97858E-05	0.000404
Expedia Group Inc	13664198660	0.01442	1.10	24	11.5	9.5	15	0.000137148	0.000589
Discovery Inc	5063642800	0	1.15	18	0	17	11.66667	3.57147E-05	0.000228
CF Industries Holdings Inc	9806183200	0.02661	1.35		4	7.5	5.75	0	0
Viacom Inc	8244124330	0.03435	1.15	2	-2	14.5	4.833333	1.76682E-05	0.000371
Leidos Holdings Inc	12975756240	0.01484	1.00	9	3	11	7.666667	5.3645E-05	0.000508
Alphabet Inc	447664130550	0	1.05	16.5	0	18	11.5	0.00289433	0.018418
Cooper Cos Inc/The	15093795780	0.0002	0.90	14.5	0	11	8.5	8.58856E-05	0.000532
TE Connectivity Ltd	30714839250	0.02004	1.15	7.5	8	5.5	7	0.000115289	0.001384
Discover Financial Services	25973958480	0.02124	1.15	7.5	13.5	15	12	9.87609E-05	0.00117
TripAdvisor Inc	3900188160	0	1.10	19.5	0	10	9.833333	2.98011E-05	0.000168
Visa Inc	391903837680	0.00661	1.00	15	15	10.5	13.5	0.00241259	0.015356
Mid-America Apartment Communities Inc	15677231040	0.02794	0.70	1	3	8	4	2.33924E-05	0.00043
Xylem Inc/NY	13950720130	0.01239	1.10	14	8.5	11.5	11.33333	8.37779E-05	0.000601
Marathon Petroleum Corp	40128099600	0.0343	1.50	10.5	11.5	12.5	11.5	0.000221865	0.002359
Tractor Supply Co	11466867960	0.01445	1.05	11.5	10.5	4	8.666667	5.85379E-05	0.000472

Advanced Micro Devices Inc	45636475440	0	1.80	28	0	46	24.66667	0.000500705	0.003219
ResMed Inc	21516137040	0.01043	0.85	18	6	16	13.33333	0.000161342	0.000717
Mettler-Toledo International Inc	17478865800	0	1.10	10	0	26	12	6.84897E-05	0.000753
Copart Inc	19731501680	0	0.95	17.5	0	14	10.5	0.000135304	0.000735
Albemarle Corp	6897446650	0.0226	1.40	5.5	5.5	4	5	2.1141E-05	0.000378
Fortinet Inc	17522433300	0	1.10	28	0	26.5	18.16667	0.000192249	0.000755
Essex Property Trust Inc	21060994220	0.02447	0.70	-0.5	5.5	2.5	2.5	1.60173E-05	0.000578
Realty Income Corp	25418422810	0.03493	0.65	4.5	5.5	2.5	4.166667	8.03933E-05	0.000647
Seagate Technology PLC	15660202710	0.04362	1.35	4	1	24	9.666667	5.18474E-05	0.000828
Westrock Co	9990852300	0.04801	1.45	10	4	5.5	6.5	5.88834E-05	0.000568
IHS Markit Ltd	28875145880	0	1.05	18	0	3.5	7.166667	0.000203661	0.001188
Wabtec Corp	15135210720	0.00608	1.20	13.5	9	14.5	12.33333	8.39126E-05	0.000712
Western Digital Corp	14424142500	0.04124	1.45	1	3	4.5	2.833333	2.90774E-05	0.00082
PepsiCo Inc	186491736900	0.02856	0.75	6.5	5.5	9.5	7.166667	0.000690477	0.005481
Diamondback Energy Inc	12079904050	0.00996	1.40	16.5	11	11	13.75	8.32049E-05	0.000663
Nektar Therapeutics	3506125460	0	1.30	10.5	0	16	8.833333	1.44254E-05	0.000179
Maxim Integrated Products Inc	15010681230	0.03461	1.15	6	9.5	1.5	5.666667	5.62587E-05	0.000676
Church & Dwight Co Inc	17099611360	0.01306	0.65	9	6	10.5	8.5	6.94477E-05	0.000436
Duke Realty Corp	12934823490	0.02671	0.80	4.5	4.5	4.5	4.5	3.66502E-05	0.000405
Federal Realty Investment Trust	9890492080	0.03207	0.75	3	2	3	2.666667	2.42418E-05	0.000291
MGM Resorts International	16386790880	0.01634	1.55	25	0	12.5	12.5	0.00017233	0.000995
JB Hunt Transport Services Inc	12298035420	0.00901	1.05	9.5	7	15.5	10.66667	5.03276E-05	0.000506
Lam Research Corp	39770506270	0.01678	1.30	8.5	12.5	10.5	10.5	0.000159723	0.002026
Mohawk Industries Inc	10027796220	0	1.15	8.5	0	13.5	7.333333	3.33992E-05	0.000452
Pentair PLC	7258255740	0.01667	1.25	6	-3.5	-1.5	0.333333	2.19479E-05	0.000356
Vertex Pharmaceuticals Inc	55305250500	0	1.20	50	0	34	28	0.001083548	0.002601
Facebook Inc	563248549970	0	1.10	17.5	0	19	12.16667	0.003862335	0.024278
T-Mobile US Inc	66426843000	0	0.95	18	0	6	8	0.00046852	0.002473
United Rentals Inc	11162169120	0	1.70	14.5	0	23	12.5	6.34203E-05	0.000744
ABIOMED Inc	8364963750	0	1.30	12.5	0	23.5	12	4.09719E-05	0.000426
Alexandria Real Estate Equities Inc	18427614530	0.025	0.85	7	7.5	7.5	7.25	0	0
Delta Air Lines Inc	36004182810	0.02892	1.10	9.5	19	13	13.83333	0.000176764	0.001552
United Airlines Holdings Inc	23204134800	0	1.20	8.5	0	14.5	7.666667	7.72852E-05	0.001091
News Corp	2623138200	0.01522	1.20	12	15	6.5	11.16667	1.39926E-05	0.000123
Centene Corp	24604310160	0	1.05	15.5	0	16	10.5	0.000149436	0.001012
Macerich Co/The	3732221300	0.11355	0.90	3	4	1.5	2.833333	2.12425E-05	0.000132
Martin Marietta Materials Inc	16442763080	0.00836	1.10	8	6.5	8.5	7.666667	5.71456E-05	0.000709
PayPal Holdings Inc	122221645280	0	1.15	20	0	13	11	0.000957833	0.005508
Coty Inc	9056809400	0.04184	1.10	5	4.5	0.5	3.333333	3.29638E-05	0.00039
DISH Network Corp	17493697840	0	1.40	1	0	16.5	5.833333	6.85478E-06	0.00096
Alexion Pharmaceuticals Inc	24016712230	0	1.20	42	0	3.5	15.16667	0.000395253	0.001129
Everest Re Group Ltd	10917749220	0.02092	0.75	18.5	6.5	6.5	10.5	8.89213E-05	0.000321
WellCare Health Plans Inc	16029468000	0	1.05	20	0	20	13.33333	0.000125621	0.00066
News Corp	4946330610	0.01571	1.25	16.5	3.5	3.5	10	0	0
Exelon Corp	44094864240	0.03197	0.65	9	5.5	5	6.5	0.000213229	0.001123
Global Payments Inc	54251919480	0.00432	1.15	20	71	28	39.66667	0.000435266	0.002445
Crown Castle International Corp	56914481520	0.03506	0.70	12	8.5	12	10.83333	0.000350499	0.001561
Aptiv PLC	22848276000	0.00983	1.30	10	1	24	11.66667	9.87701E-05	0.001164
Advance Auto Parts Inc	11201950660	0.00148	1.00	14	16.5	8.5	13	6.21468E-05	0.000439
Capri Holdings Ltd	5336035650	0	1.15	10.5	0	21.5	10.66667	2.19543E-05	0.00024
Align Technology Inc	21182570010	0	1.10	17	0	15	10.66667	0.000141104	0.000913
Illumina Inc	46291770000	0	1.00	14	0	18.5	10.83333	0.000253947	0.001814
Alliance Data Systems Corp	4661788320	0.0249	1.20	9	14	20	14.33333	2.11933E-05	0.000219
LKQ Corp	10772139300	0	1.10	10.5	0	10	6.833333	4.43203E-05	0.000464
Nielsen Holdings PLC	7133990500	0.01197	1.00	45.5	-16.5	-1	9.333333	0.000131298	0.00028
Garmin Ltd	18416131250	0.02354	0.95	10.5	2.5	3	5.333333	9.36492E-05	0.000686
Cimarex Energy Co	4681223800	0.0174	1.50	16	15	15.5	15.5	3.27959E-05	0.000275
Zoetis Inc	56946308440	0.00549	1.00	13.5	13	25	17.16667	0.000314316	0.002231
Equinix Inc	48503284040	0.0173	0.85	22	8.5	5.5	12	0.000454621	0.001615
Digital Realty Trust Inc	25326084800	0.0356	0.80	7	7	5	6.333333	0.000106032	0.000794
	25921709167120							0.143861021	1.020196
EPS sum	25520439202370								

Schedule PKC-11b

Value Line Latest Data

(downloaded on Nov.21, 2019)

Value Line Latest Data										Dividend Paying	
(downloaded on Nov.21, 2019)										Weighted DCF	
3-5 years Growth Projections										Average	
	Mkt-Cap	Current Dyield	Beta	EPS Gr. Proj.	DPS Gr. Proj.	BVPS Gr. Proj.	Average Gr. Proj.	EPS DCF Weighted	Beta Weighted	DCF Weighted	Beta Weighted
Name											
LyondellBasell Industries NV	30750496530	0.04554	1.40	5.5	5	10	6.833333	0.00014672	0.002018	0.000163931	0.001988
American Express Co	97619730300	0.01442	1.05	10	9	8.5	9.166667	0.000526853	0.004805	0.000481268	0.004734
Verizon Communications Inc	245996432320	0.04136	0.75	4.5	2	5.5	4	0.00100651	0.008648	0.000933737	0.008521
Broadcom Inc	123630450570	0.03401	1.10	33.5	22	6	20.5	0.002171395	0.006374	0.001384592	0.006281
Boeing Co/The	208744809810	0.02216	1.15	15.5	16.5		16	0.001750222	0.011252	0.001773236	0.011087
Caterpillar Inc	78212160160	0.02911	1.35	12	6	11	9.666667	0.000553045	0.004949	0.000459407	0.004876
JPMorgan Chase & Co	406582550550	0.02777	1.15	6	11.5	7.5	8.333333	0.001688572	0.021916	0.002107983	0.021594
Chevron Corp	221874920480	0.04057	1.25	16.5	3.5	3.5	7.833333	0.002172721	0.013	0.001234694	0.012809
Coca-Cola Co/The	228020611020	0.03006	0.70	6.5	5	2.5	4.666667	0.001026442	0.007482	0.000815388	0.007372
AbbVie Inc	128953191200	0.05413	1.10	10.5	9		9.75	0.000979024	0.006649	0.00091876	0.006551
Walt Disney Co/The	264676616470	0.01198	0.90	6.5	4.5	22.5	11.16667	0.000959857	0.011166	0.001519612	0.011001
Extra Space Storage Inc	13853791670	0.03365	0.65	4	5.5	7	5.5	4.82629E-05	0.000422	5.73125E-05	0.000416
Exxon Mobil Corp	287842141180	0.05115	1.10	14	4	3.5	7.166667	0.002627303	0.014841	0.001657054	0.014623
Phillips 66	51572189480	0.03102	1.25	10	11	5	8.666667	0.000320469	0.003022	0.000283509	0.002977
General Electric Co	99475123110	0.00351	1.15	2.5	-9	1	-1.83333	0.000133138	0.005362	-6.82486E-05	0.005283
HP Inc	29193705800	0.03578	1.50	8	7		7.5	0.000160391	0.002053	0.000151172	0.002022
Home Depot Inc/The	241919297700	0.02463	1.05	9	14.5		11.75	0.00131241	0.011906	0.001604158	0.011731
International Business Machines Corp	117966848400	0.04865	1.10	1.5	3.5	19	8	0.000353967	0.006082	0.000711511	0.005993
Concho Resources Inc	14480118870	0.00694	1.70	19.5		11	15.25	0.000137521	0.001154	0.000106979	0.001137
Johnson & Johnson	357776679680	0.02795	0.80	12	7	10	9.666667	0.00250925	0.013416	0.002081434	0.013219
McDonald's Corp	146197944090	0.02576	0.75	8.5	8.5		8.5	0.00076651	0.00514	0.000755245	0.005064
Merck & Co Inc	217096055680	0.02861	0.90	9	6.5	2.5	6	0.001220067	0.009158	0.000897042	0.009024
3M Co	96476306270	0.03433	1.00	6	6.5	6	6.166667	0.000431229	0.004522	0.000432445	0.004456
American Water Works Co Inc	21796162320	0.01659	0.55	9.5	9	5	7.833333	0.000114811	0.000562	9.62072E-05	0.000554
Bank of America Corp	294050047830	0.02203	1.30	10.5	18.5	7	12	0.001766793	0.017918	0.001946777	0.017655
Pfizer Inc	205039220100	0.03887	0.90	10	5.5	2.5	6	0.001353328	0.00865	0.000947295	0.008523
Procter & Gamble Co/The	304968269480	0.0244	0.70	9	4.5	8	7.166667	0.001651015	0.010006	0.001365381	0.009859
AT&T Inc	271599900000	0.05487	0.75	5.5	4.5	5.5	5.166667	0.001417929	0.009548	0.001354131	0.009408
Travelers Cos Inc/The	34956243590	0.02422	0.85	9	2.5	7	6.166667	0.000188935	0.001393	0.000139863	0.001372
United Technologies Corp	126598398850	0.02005	1.05	9	6.5	12	9.166667	0.000658394	0.006231	0.000658561	0.006139
Analog Devices Inc	40110103480	0.01989	1.20	10	5.5	10	8.5	0.000227272	0.002256	0.000195869	0.002223
Walmart Inc	338839552920	0.0178	0.75	7.5	4	3.5	5	0.001484488	0.011912	0.001067964	0.011737
Cisco Systems Inc	191241216040	0.03106	1.15	8	11.5		9.75	0.001006682	0.010309	0.001148853	0.010157
Intel Corp	251865000000	0.02176	1.10	10.5	5	7	7.5	0.00150997	0.012986	0.001135018	0.012795
General Motors Co	50407499520	0.04308	1.25	2	3	9	4.666667	0.00015006	0.002953	0.000211272	0.00291
Microsoft Corp	1141421953720	0.01363	1.10	14	11.5	12.5	12.66667	0.008270522	0.058852	0.007441308	0.057987
Dollar General Corp	41375094600	0.00795	0.80	12	8	8.5	9.5	0.000249068	0.001551	0.000197445	0.001529
Cigna Corp	74651391750	0.0002	1.00	14.5	4	18.5	12.33333	0.000508124	0.003499	0.000425949	0.003448
Kinder Morgan Inc/DE	45435197900	0.04985	1.35	35.5	17.5	4	19	0.000881045	0.002875	0.000513234	0.002833
Citigroup Inc	161359868540	0.0276	1.35	10	25.5	5	13.5	0.000975528	0.010211	0.001225619	0.010061
American International Group Inc	46046559360	0.02418	1.05		6	3	4.5	0	0	0.000148276	0.002233
Honeywell International Inc	126629538260	0.02031	1.05	8.5	9	8	8.5	0.00063019	0.006232	0.000620928	0.006141
Altria Group Inc	90510753150	0.06935	0.70	8.5	9	5.5	7.666667	0.000667334	0.00297	0.000621484	0.002926
HCA Healthcare Inc	47403517280	0.01145	0.95	12	31.5		21.75	0.000293601	0.002111	0.000503963	0.00208
International Paper Co	17739327840	0.04531	1.30	10.5	5.5	10.5	8.833333	0.00012696	0.001081	0.00011113	0.001065
Hewlett Packard Enterprise Co	22351889120	0.02804	1.50	6.5	14.5	3	8	9.84326E-05	0.001572	0.000112688	0.001548
Abbott Laboratories	148355773840	0.01526	1.05	10	7	6	7.666667	0.000806808	0.007302	0.000633859	0.007194
Aflac Inc	39732394340	0.01995	0.95	7.5	7.5	11	8.666667	0.000178226	0.001769	0.000197228	0.001743
Air Products & Chemicals Inc	52422454500	0.0195	1.00	10.5	6.5	10.5	9.166667	0.000308436	0.002457	0.000271307	0.002421
Royal Caribbean Cruises Ltd	24526827000	0.02667	1.15	12.5	11	8	10.5	0.000176283	0.001322	0.000150735	0.001303
American Electric Power Co Inc	45176849920	0.03061	0.55	4	5.5	4	4.5	0.000150818	0.001165	0.000159193	0.001148
Hess Corp	20454913780	0.0149	1.80		0	1.5	0.75	0	0	2.12138E-05	0.0017
Aon PLC	47185629610	0.00873	0.90	11	5	16	10.66667	0.00026366	0.001991	0.00025249	0.001961
Apache Corp	8599943320	0.04373	1.70		6	6	6	0	0	4.17205E-05	0.000675
Archer-Daniels-Midland Co	23659155000	0.03294	1.05	9.5	5.5	6	7	0.000143617	0.001164	0.00011374	0.001147
Automatic Data Processing Inc	73809624840	0.02134	1.00	13.5	12.5	14	13.33333	0.000545869	0.00346	0.000532104	0.003409
Verisk Analytics Inc	23652995800	0.00693	0.85	9.5	0	13.5	7.666667	0.000113373	0.000942	9.16104E-05	0.000929
Avery Dennison Corp	11003190310	0.01761	1.00	11	8.5	7	8.833333	6.63146E-05	0.000516	5.42326E-05	0.000508
MSCI Inc	21716333590	0.01061	1.00	18.5	16	31	21.83333	0.000200112	0.001018	0.00023078	0.001003
Ball Corp	22061647200	0.0089	1.00	25	13	10.5	16.16667	0.000268877	0.001034	0.000174523	0.001019
Bank of New York Mellon Corp/The	45077087120	0.02537	1.10	7	15.5	5	9.166667	0.000203383	0.002324	0.000246072	0.00229
Baxter International Inc	41865592000	0.01073	0.85	10.5	11.5	8.5	10.16667	0.00022821	0.001668	0.000218376	0.001643
Becton Dickinson and Co	66619248120	0.01248	0.90	9.5	6	8	7.833333	0.000337472	0.00281	0.000280913	0.002769
Best Buy Co Inc	19543937950	0.02697	1.15	8.5	14.5	4	9	0.000103624	0.001053	0.000106675	0.001038
H&R Block Inc	4915632800	0.04247	0.80	7	6	22	11.66667	2.62567E-05	0.000184	3.66902E-05	0.000182
Bristol-Myers Squibb Co	91907966850	0.02907	0.80	9	1.5	7	5.833333	0.000518588	0.003446	0.000374598	0.003396
Fortune Brands Home & Security Inc	8620404450	0.01421	1.20	11.5	6	9.5	9	5.25392E-05	0.000485	4.17432E-05	0.000478
Cabot Oil & Gas Corp	6685890750	0.02441	1.15		25	9	17	0	0	6.06708E-05	0.000355
Campbell Soup Co	14541308360	0.029	0.65	1	2	12.5	5.166667	2.6681E-05	0.000443	5.46769E-05	0.000437
Kansas City Southern	15066240000	0.01053	1.10	12	8	8	9.333333	9.26263E-05	0.000777	7.26121E-05	0.000765
Hilton Worldwide Holdings Inc	28007499380	0.00604	1.15		0		0	0</			

Deere & Co	54180197110	0.01767	1.10	13.5	7	16	12.16667	0.000390747	0.002794	0.000351346	0.002752
Dominion Energy Inc	68234409700	0.04427	0.55	6.5	5	7	6.166667	0.000354085	0.001759	0.000338144	0.001733
Dover Corp	15771529620	0.01805	1.30	12.5	3.5	11	9	0.000106585	0.000961	7.92945E-05	0.000947
Alliant Energy Corp	12772305280	0.02672	0.60	6.5	5.5	7.5	6.5	5.54304E-05	0.000359	5.46157E-05	0.000354
Duke Energy Corp	66025632790	0.04338	0.50	6	2.5	2.5	3.666667	0.000323969	0.001547	0.000246514	0.001525
Regency Centers Corp	10792797240	0.03633	0.80	16	6	4	8.666667	0.000100792	0.000405	6.2093E-05	0.000399
Eaton Corp PLC	37131588000	0.03162	1.20	9	6.5	4	6.5	0.000214152	0.002089	0.000167455	0.002058
Ecolab Inc	53676797680	0.00988	1.00	10	9.5	11.5	10.33333	0.0002777	0.002516	0.000281922	0.002479
PerkinElmer Inc	10056862520	0.00309	1.15	11	2.5	7.5	7	5.33901E-05	0.000542	3.39981E-05	0.000534
Emerson Electric Co	44315953500	0.02749	1.20	11.5	4	8.5	8	0.000299266	0.002493	0.000222249	0.002456
EOG Resources Inc	41921913840	0.01596	1.45	33	13	15	20.33333	0.000684987	0.002849	0.00042772	0.002807
Entergy Corp	23306880120	0.03178	0.60	0.5	4	4	2.833333	4.02675E-05	0.000655	6.51909E-05	0.000646
Equifax Inc	16939511700	0.01115	1.00	8.5	8	11.5	9.333333	7.67198E-05	0.000794	8.2148E-05	0.000782
FedEx Corp	39728765700	0.01707	1.30	7.5	10	10	9.166667	0.000172645	0.002421	0.000200949	0.002385
Macy's Inc	4639903300	0.10053	1.05	2.5	2.5	6	3.666667	2.75743E-05	0.000228	2.97947E-05	0.000225
FMC Corp	12583024200	0.01648	1.35	15	25	12	17.33333	9.89194E-05	0.000796	0.000111137	0.000785
Ford Motor Co	34613550810	0.06873	1.20	3	4	5	4	0.000161856	0.001947	0.000176012	0.001918
NextEra Energy Inc	114969890720	0.02126	0.55	10.5	10	7.5	9.333333	0.000686427	0.002964	0.000613732	0.00292
Franklin Resources Inc	13612253100	0.03805	1.25	7.5	11.5	2	7	7.30415E-05	0.000798	6.87649E-05	0.000786
Freeport-McMoRan Inc	16003581420	0.01813	2.15	22.5	9	15.75	9	0.00018391	0.001613	0.000130865	0.001589
Gap Inc/The	6117828640	0.05958	1.00	4.5	0.5	7	4	3.03738E-05	0.000287	2.84726E-05	0.000283
General Dynamics Corp	53327774980	0.02213	0.95	6	6	3	5	0.000206954	0.002375	0.000179011	0.00234
General Mills Inc	32135628980	0.03686	0.70	4	3	12	6.333333	0.000116884	0.001054	0.000150435	0.001039
Genuine Parts Co	15010219830	0.02952	0.95	8	5.5	7	6.833333	7.7886E-05	0.000668	6.85343E-05	0.000659
Atmos Energy Corp	12983433760	0.02114	0.60	7.5	7	7	7.166667	5.89905E-05	0.000365	5.61036E-05	0.00036
WW Grainger Inc	16825045100	0.01844	1.00	8.5	10	15	11.16667	8.21948E-05	0.000789	0.000101899	0.000777
Halliburton Co	18021316120	0.03507	1.50	21.5	0	8.5	10	0.000214422	0.001267	0.000113878	0.001248
Harley-Davidson Inc	5480451840	0.04223	1.15	8.5	2.5	12	7.666667	3.31445E-05	0.000295	3.05036E-05	0.000291
L3Harris Technologies Inc	45276322650	0.01465	0.90	16.5	32	24.25	0.000383824	0.00191	0.000541426	0.001882	0.001882
Helmerich & Payne Inc	4163280330	0.07398	1.65	0.5	0.5	4	2.25	0	0	1.87109E-05	0.000317
Fortive Corp	23539860400	0.00399	1.15	10	9.5	9	9.5	0.000114961	0.001269	0.000107825	0.00125
Hershey Co/The	31154299520	0.02073	0.65	6.5	6.5	23	12	0.000126175	0.000949	0.000204276	0.000935
Synchrony Financial	23624816080	0.02407	1.15	9.5	17	10.5	12.33333	0.00013312	0.001273	0.00016245	0.001255
Hormel Foods Corp	22880614500	0.0196	0.65	9	9	8	8.666667	0.00011849	0.000697	0.000113191	0.000687
Arthur J Gallagher & Co	17365291300	0.01847	0.90	14.5	3	11	9.5	0.000134148	0.000733	9.17064E-05	0.000722
Mondelez International Inc	75461175840	0.02175	0.95	8.5	10	5	7.833333	0.000380853	0.00336	0.000351769	0.003311
CenterPoint Energy Inc	12279816900	0.04703	0.80	12.5	2.5	13.5	9.5	0.000100711	0.00046	8.18166E-05	0.000454
Humana Inc	44729530020	0.00651	0.90	11.5	11	13.5	12	0.000255543	0.001887	0.00026215	0.001859
Illinois Tool Works Inc	55423250640	0.02482	1.10	9	12	2	7.666667	0.000301187	0.002858	0.000262208	0.002816
CDW Corp/DE	19784873700	0.01104	1.05	10.5	17.5	13.5	13.83333	0.00010815	0.000974	0.000137187	0.000959
Ingersoll-Rand PLC	31109274480	0.01633	1.20	12.5	10	13	11.83333	0.000207573	0.00175	0.000194866	0.001724
Interpublic Group of Cos Inc/The	8580509160	0.04248	1.05	11	9.5	8.5	9.666667	6.22661E-05	0.000422	5.5955E-05	0.000416
International Flavors & Fragrances Inc	14564246400	0.02199	0.95	8.5	9	15.5	11	7.36767E-05	0.000649	8.95947E-05	0.000639
Jacobs Engineering Group Inc	12772041480	0.00721	1.30	14.5	15	10.5	13.33333	9.14354E-05	0.000778	8.3185E-05	0.000767
Hanesbrands Inc	5447156820	0.03984	1.10	3	4	9	5.333333	1.79844E-05	0.000281	2.3707E-05	0.000277
Kellogg Co	22300725720	0.03487	0.60	4	3.5	14	7.166667	7.89906E-05	0.000627	0.000111013	0.000618
Broadridge Financial Solutions Inc	14037256240	0.01764	0.90	11	12	8.5	10.5	8.46213E-05	0.000592	8.01075E-05	0.000583
Perrigo Co PLC	6627195900	0.01725	1.25	2	10	5	5.666667	1.16248E-05	0.000388	2.27733E-05	0.000383
Kimberly-Clark Corp	46141687600	0.03061	0.70	7	3.5	5.25	0.000219916	0.001514	0.00017882	0.001492	0.001492
Kimco Realty Corp	9052675520	0.05224	0.85	5	5	5	5	4.39372E-05	0.000361	4.32914E-05	0.000355
Kohl's Corp	7513976940	0.05676	1.05	6.5	9.5	4	6.666667	4.35338E-05	0.00037	4.34888E-05	0.000364
Oracle Corp	184608756080	0.01707	1.05	10	11	-4	5.666667	0.00102041	0.009086	0.000632801	0.008952
Kroger Co/The	21315102390	0.02407	0.80	4	12	12	9.333333	6.44934E-05	0.000799	0.00011668	0.000788
Leggett & Platt Inc	6892049110	0.03055	1.05	9	7	5.5	7.166667	3.93878E-05	0.000339	3.28843E-05	0.000334
Lennar Corp	16717292130	0.00268	1.10	8	11	13	10.66667	6.48711E-05	0.000862	8.45338E-05	0.000849
Eli Lilly & Co	110040613910	0.02251	0.70	11.5	7	6.5	8.333333	0.000715942	0.003611	0.000542675	0.003557
L Brands Inc	4391868880	0.07552	1.05	-2.5	-11	-6.75	1.02057E-05	0.000216	0.000216	1.10975E-06	0.000213
Lincoln National Corp	11304867000	0.02807	1.55	9	11	8.5	9.5	6.32337E-05	0.000821	6.49515E-05	0.000809
Loews Corp	14976053650	0.00497	1.00	13.5	0	5.5	6.333333	9.84904E-05	0.000702	4.73512E-05	0.000692
Lowe's Cos Inc	90941076170	0.01867	1.10	11.5	10.5	11	0.000574367	0.0004689	0.00054473	0.000462	0.000462
Host Hotels & Resorts Inc	12084449300	0.04748	1.20	-1.5	3	0.5	0.666667	1.8196E-05	0.00068	3.0308E-05	0.00067
Xerox Holdings Corp	8280000400	0.02611	1.45	9.5	0.5	13	7.666667	4.74851E-05	0.000563	3.96849E-05	0.000554
IDEX Corp	12322480600	0.01234	1.10	9.5	11	12.5	11	6.23371E-05	0.000635	7.00101E-05	0.000626
Marsh & McLennan Cos Inc	54080222880	0.01698	0.90	9	7.5	6.5	7.666667	0.00027312	0.002281	0.000235522	0.002248
Masco Corp	13090700480	0.0118	1.20	9.5	9	9.25	6.58763E-05	0.000736	0.000736	6.33878E-05	0.000725
S&P Global Inc	65523640000	0.0085	1.05	13	13	31	19	0.00042707	0.003225	0.000603133	0.003177
Medtronic PLC	149985177510	0.01932	0.85	8.5	6.5	3.5	6.166667	0.000739167	0.005976	0.000565114	0.005888
CVS Health Corp	97468222880	0.0267	0.95	6.5	8	10	8.166667	0.000422907	0.00434	0.000492717	0.004276
Motorola Solutions Inc	28503456960	0.01539	0.90	13	13	13	0.000195583	0.001202	0.000195279	0.001185	0.001185
Cboe Global Markets Inc	13671378520	0.01168	0.65	14.5	9.5	19.5	14.5	0.000100946	0.000417	9.94623E-05	0.00041
Newmont Goldcorp Corp	31539206330	0.01456	0.70	2.5	12.5	6	7	5.8752E-05	0.001035	0.000123913	0.00102
NIKE Inc	145255888600	0.01053	1.00	17	12	5.5	11.5	0.001235244	0.006809	0.00084618	0.006709
NiSource Inc	9734556640	0.0307	0.55	12.5	9	7.5	9.666667	7.19194E-05	0.000251	5.79287E-05	0.000247
Noble Energy Inc	9604223840	0.0239	1.70	0	5.5	-0.5	1.666667	1.07593E-05	0.000765	1.80822E-05	0.000754
Norfolk Southern Corp	49510640360	0.0198	1.20	15	10.5	2	9.166667	0.000397502	0.002785	0.000256955	0.002744
Principal Financial Group Inc	15072036160	0.04053	1.35	5.5	5.5	8	6.333333	6.82765E-05	0.000954	7.31913E-05	0.00094
Eversource Energy	26710282500	0.02594	0.55	5.5	5.5	4.5	5.166667	0.000102229	0.000689	9.65613E-05	0.000678
Northrop Grumman Corp	59492149000	0.01496	0.85	9.5	8	6	7.833333	0.000308613	0.00237	0.000257941	0.002335
Wells Fargo & Co	226439880860	0.0381	1.10	5	6	5	5.333333	0.000945194	0.011675	0.000966826	0.011504
Nucor Corp	16403931500	0.02957	1.35	13	6.5	7.5	9	0.000124171	0.001038	1.95943E-05	0.001023
PVH Corp	7252024640	0.00153	1.30	9	0	8	5.666667	3.11366E-05	0.000442	1.95062E-05	0.000435
Occidental Petroleum Corp	34374838160	0.08212	1.25	33	3	7	14.33333	0.00068586	0.002014	0.000367266	0.001984
Omnicom Group Inc	16874230000	0.03355	0.95	6.5	7	10	7.833333	7.881E-05	0.000751	8.8217E-05	0.00074
ONEOK Inc	29242287150	0.0517	1.50	17	10	10	12.33333	0.000309901	0.002056	0.000240693	0.002026
Raymond James Financial Inc	12352861710	0.01529	1.25	10	13.5	11	11.5	6.71972E-05	0.000724	7.48326E-05	0.000713
Parker-Hannifin Corp	25049390350	0.01805	1.35	9	10.5	13.5	11	0.000127819	0.001585	0.000149287	0.001562
Rollins Inc	11977828360	0.01148	0.90	13	11	9.5	11.16667	7.98509E-05	0.000505	6.84774E-05	0.000498
PPL Corp	24424054740	0.0488									

Public Service Enterprise Group Inc	30955488460	0.03071	0.65	6	5	5	5.333333	0.000132955	0.000943	0.000121323	0.000929
Raytheon Co	60449436530	0.01737	0.85	10	6	3	6.333333	0.000335022	0.002408	0.000226843	0.002373
Robert Half International Inc	6782386740	0.02123	1.20	9	7	17	11	3.56649E-05	0.000381	4.1472E-05	0.000376
Edison International	25431982920	0.03455	0.55		3.5	5.5	4.5	0	0	9.43486E-05	0.000646
Schlumberger Ltd	50031818460	0.05534	1.35	16.5	0		8.25	0.000527434	0.003166	0.000323778	0.003119
Charles Schwab Corp/The	57382388000	0.0152	1.30	12	18	10	13.33333	0.000366098	0.003497	0.000396321	0.003445
Sherwin-Williams Co/The	53171830180	0.00785	1.05	10.5	10.5	14	11.66667	0.000282285	0.002617	0.000306899	0.002578
JM Smucker Co/The	12026361600	0.03338	0.70	5	4.5	5	4.833333	4.74726E-05	0.000395	4.58337E-05	0.000389
Snap-on Inc	8703511740	0.02722	1.10	6	6.5	3.5	5.333333	3.59153E-05	0.000449	3.26712E-05	0.000442
AMETEK Inc	22514124570	0.00569	1.15	15.5	13	11	13.16667	0.000170042	0.001214	0.000143212	0.001196
Southern Co/The	65839520520	0.0395	0.50	3.5	3	3.5	3.333333	0.000232047	0.001543	0.000223469	0.00152
BB&T Corp	41694546230	0.03308	1.10	8	8	6.5	7.5	0.000223583	0.00215	0.00021051	0.002118
Southwest Airlines Co	29908265080	0.01267	1.15	10.5	16.5	9	12	0.000165893	0.001612	0.000184305	0.001588
Stanley Black & Decker Inc	23359684040	0.01796	1.20	9	6	4	6.333333	0.000119094	0.001314	8.83164E-05	0.001295
Public Storage	37292433200	0.03747	0.65	4.5	4	6.5	5	0.000145632	0.001136	0.000152264	0.00112
SunTrust Banks Inc	31269296800	0.03181	1.20	10	12.5	5	9.166667	0.000195523	0.001759	0.000180423	0.001733
Sysco Corp	40726319140	0.02255	0.70	10.5	7	-17.5	0	0.000245748	0.001336	4.24144E-05	0.001317
Texas Instruments Inc	108648898250	0.03097	1.10	6.5	10	12.5	9.666667	0.000493871	0.005602	0.000647972	0.00552
Textron Inc	10497815370	0.00174	1.35	13	12	4	9.666667	6.488E-05	0.000664	4.77514E-05	0.000655
Thermo Fisher Scientific Inc	123236564030	0.00247	1.05	10	11.5	6.5	9.333333	0.000592627	0.006065	0.000545926	0.005976
Tiffany & Co	14898140670	0.01881	1.15	10.5	7.5	6	8	8.71485E-05	0.000803	6.85045E-05	0.000791
TJX Cos Inc/The	71713905560	0.01551	0.90	14	14	9	12.33333	0.000526387	0.003025	0.000463022	0.002981
Globe Life Inc	10838545920	0.00689	1.00	10	7	8	8.333333	5.44788E-05	0.000508	4.53066E-05	0.000501
Johnson Controls International plc	33745933870	0.02452	1.20	4.5	3	4.5	4	0.000110837	0.001898	0.00010132	0.00187
Union Pacific Corp	120853278000	0.02229	1.15	14.5	10	3	9.166667	0.000956809	0.006514	0.00064175	0.006419
UnitedHealth Group Inc	261069677400	0.01568	1.00	14	14	11	13	0.001918502	0.012237	0.001768789	0.012057
Unum Group	6099344760	0.03855	1.30	9	11.5	5	8.5	3.72476E-05	0.000372	3.52646E-05	0.000366
Marathon Oil Corp	9351170010	0.01711	2.00		12	2.5	7.25	0	0	3.89681E-05	0.000864
Ventas Inc	21790146560	0.05423	0.65	4	4.5	1	3.166667	9.73512E-05	0.000664	8.73068E-05	0.000654
VF Corp	34146477000	0.02246	1.15	7	4	4.5	5.166667	0.000149245	0.001841	0.000117814	0.001814
Vornado Realty Trust	12206766000	0.04128	0.95	-1.5	2	3	1.666667	1.48594E-05	0.000544	2.99848E-05	0.000536
Vulcan Materials Co	18628966250	0.00881	1.15	14.5	10.5	3.5	9.5	0.000134864	0.001004	8.96741E-05	0.000989
Weyerhaeuser Co	21989140420	0.04609	1.20	17.5	6	0	7.833333	0.000232033	0.001237	0.000128191	0.001219
Whirlpool Corp	9016112000	0.03365	1.20	6.5	2.5	17	8.666667	4.21528E-05	0.000507	5.07071E-05	0.0005
Williams Cos Inc/The	27125656620	0.06792	1.90	20	6	8.5	11.5	0.000349285	0.002416	0.00023405	0.00238
WEC Energy Group Inc	27821455200	0.02676	0.50	6	6	3.5	5.166667	0.000114188	0.000652	0.000101659	0.000642
AES Corp/VA	12348409800	0.02935	1.15		5.5	0	2.75	0	0	3.26517E-05	0.000656
Amgen Inc	133994433840	0.02572	1.05	7	7	8.5	7.5	0.000606843	0.006595	0.000629265	0.006498
Apple Inc	1169422915350	0.0117	1.05	12.5	12	12.5	12.33333	0.007533191	0.057555	0.007331935	0.056709
Cintas Corp	26854110000	0.00983	1.00	15.5	16	4.5	12	0.000208435	0.001259	0.000161751	0.00124
Comcast Corp	201145088750	0.019	0.90	13	13	10	12	0.001416454	0.008485	0.001301857	0.008361
Molson Coors Brewing Co	10281485110	0.04352	0.95	5.5	9	4.5	6.333333	4.80558E-05	0.000458	5.13927E-05	0.000451
KLA Corp	27404083980	0.01958	1.15	10	9.5	22	13.83333	0.000154859	0.001477	0.000201574	0.001455
Marriott International Inc/MD	43387809270	0.01447	1.15	17.5	10		13.75	0.000387902	0.002339	0.000306514	0.002304
McCormick & Co Inc/MD	20753581500	0.01358	0.70	8	6.5	13.5	9.333333	9.15612E-05	0.000681	0.000103082	0.000671
Nordstrom Inc	5270194300	0.04359	1.05	5	6	2.5	4.5	2.33887E-05	0.000259	2.18014E-05	0.000256
PACCAR Inc	27272164900	0.01623	1.20	7.5	6.5	11	8.333333	0.0001174	0.001534	0.000126256	0.001511
Costco Wholesale Corp	132147704490	0.00865	0.85	9	9.5	9	9.166667	0.000613464	0.005265	0.000614663	0.005188
First Republic Bank/CA	18272273640	0.007	1.10	10.5	6	12	9.5	9.62399E-05	0.000942	8.63571E-05	0.000928
Stryker Corp	76483178100	0.01018	0.90	13	9	15	12.33333	0.000504916	0.003226	0.000473827	0.003179
Tyson Foods Inc	33093970900	0.01854	0.75	7.5	14	11	10.83333	0.000146179	0.001163	0.00019545	0.001146
Lamb Weston Holdings Inc	12194799870	0.00958	0.75	11	15.5		13.25	6.86538E-05	0.000429	8.03776E-05	0.000422
Applied Materials Inc	55101926100	0.01408	1.30	8.5	13	14	11.83333	0.000257448	0.003358	0.000339089	0.003308
American Airlines Group Inc	12366377340	0.01417	1.30	7.5	7	-27.5	-4.33333	5.19952E-05	0.000754	-1.68314E-05	0.000742
Cardinal Health Inc	16206760080	0.03473	1.15	11	3	5.5	6.5	0.000111396	0.000874	7.54921E-05	0.000861
Cerner Corp	21254943990	0.01064	0.95	9	0	7	5.333333	0.000100743	0.000946	6.30772E-05	0.000933
Cincinnati Financial Corp	17632955820	0.02075	0.85	8.5	3	2.5	4.666667	8.81321E-05	0.000703	5.52958E-05	0.000692
DR Horton Inc	20105279670	0.01283	1.05	7.5	11	12.5	10.33333	8.32238E-05	0.00099	0.000108478	0.000975
Flowserve Corp	6308760600	0.01576	1.45	13.5	3	9.5	8.666667	4.48958E-05	0.000429	3.00424E-05	0.000422
Expeditors International of Washington Inc	12854319480	0.01325	1.00	9	8	7	8	6.25694E-05	0.000603	5.56738E-05	0.000594
Fastenal Co	20222562020	0.02496	1.10	8.5	7	6.5	7.333333	0.000105236	0.001043	9.26567E-05	0.001027
M&T Bank Corp	21505521200	0.027	1.05	9.5	10.5	7	9	0.000124272	0.001058	0.000117412	0.001043
Xcel Energy Inc	33080213770	0.02626	0.50	5.5	6	5	5.5	0.000127119	0.000775	0.00012525	0.000764
Fifth Third Bancorp	21119689920	0.03226	1.20	7	12.5	9	9.5	0.000125623	0.001188	0.000125623	0.00117
Gilead Sciences Inc	82082672480	0.03884	0.95	-1.5	6	6.5	3.666667	9.06025E-05	0.003655	0.000288938	0.003601
Hasbro Inc	12986820030	0.02866	0.90	7.5	6	2	5.166667	6.37552E-05	0.000548	4.86227E-05	0.00054
Huntington Bancshares Inc/OH	15140188300	0.04093	1.20	11.5	13	7	10.5	0.000112328	0.000852	0.000103542	0.000839
Welltower Inc	34381155480	0.04102	0.65	10.5	5	0.5	5.333333	0.000238788	0.001048	0.000151557	0.001032
Northern Trust Corp	22523056600	0.02634	1.25	8.5	10.5	6	8.333333	0.000118726	0.00132	0.000115224	0.0013
Packaging Corp of America	10613054960	0.02818	1.15	6	7.5	12.5	8.666667	4.4287E-05	0.000572	5.6891E-05	0.000564
Paychex Inc	30693698000	0.02892	1.00	10.5	10	7.5	9.333333	0.000194855	0.001439	0.000175214	0.001418
People's United Financial Inc	7238066880	0.0435	1.05	9	1.5	4	4.833333	4.59566E-05	0.000356	3.10497E-05	0.000351
QUALCOMM Inc	97764768900	0.02897	1.10	10.5	8	13	10.5	0.00062089	0.005041	0.000611765	0.004967
Roper Technologies Inc	36740798640	0.00581	1.05	11.5	10	12.5	11.33333	0.000208628	0.001808	0.000202726	0.001782
Ross Stores Inc	39949461200	0.00924	1.00	9.5	12.5	11.5	11.16667	0.000196016	0.001873	0.000224028	0.001845
Starbucks Corp	98731600000	0.01962	0.90	13	13.5		13.25	0.000698319	0.004165	0.000699567	0.004104
KeyCorp	18792998640	0.03878	1.25	10.5	13	7	10.16667	0.000128447	0.001101	0.00012361	0.001085
State Street Corp	26548115230	0.02849	1.30	5	8.5	7.5	7	9.85583E-05	0.001618	0.000121981	0.001594
US Bancorp	92321485490	0.02842	1.05	6	9	8	7.666667	0.000386316	0.004544	0.000452711	0.004477
AO Smith Corp	7844056080	0.01996	1.20	7.5	17.5	9	11.33333	3.51895E-05	0.000441	4.86979E-05	0.000435
T Rowe Price Group Inc	28258559610	0.02514	1.15	10	9	10	9.666667	0.000167421	0.001523	0.000160555	0.001501
Waste Management Inc	47756809370	0.01821	0.75	8.5	8	7.5	8	0.000232768	0.001679	0.000218219	0.001654
CBS Corp	13728594250	0.01846	1.05	9.5	6	13.5	9.666667	7.35757E-05	0.000676	7.35608E-05	0.000666
Allergan PLC	60718113920	0.016	1.05	3.5	9.5	2	5	0.000145945	0.002988	0.000186199	0.002944
Constellation Brands Inc	31131178280	0.01614	0.85	8.5	10.5	8	9	0.000148585	0.00124	0.000153648	0.001222
Xilinx Inc	22886011670	0.01626	1.15	9.5	5.5	8	7.666667	0.000120181	0.001234	9.88793E-05	0.001216
DENTSPLY SIRONA Inc	12595304820	0.00706	0.90	4.5	10	0.5	5	3.08289E-05	0.000531	3.32946E-05	0.000524
Zions Bancorp NA	8333132640	0.02782	1.25	9.5		6.5	8	4.84894E-05	0.000488	4.19236E-05	0.000481

Citizens Financial Group Inc	16519322000	0.03789	1.25	12	18.5	5	11.83333	0.000124016	0.000968	0.000120898	0.000954
Allstate Corp/The	35764742400	0.01812	0.80	10.5	7	9	8.833333	0.000207993	0.001341	0.000177157	0.001321
FLIR Systems Inc	7144988780	0.01277	0.95	12	6.5	7.5	8.666667	4.47221E-05	0.000318	3.29951E-05	0.000313
Equity Residential	32181537640	0.02619	0.75		4	3.5	3.75	0	0	9.53906E-05	0.001115
BorgWarner Inc	8676835860	0.01618	1.40	8	10.5	9.5	9.333333	3.93804E-05	0.000569	4.4188E-05	0.000561
Simon Property Group Inc	45487191870	0.05667	0.85	4.5	6.5	3.5	4.833333	0.000219491	0.001812	0.000223466	0.001786
Eastman Chemical Co	10452705730	0.03226	1.30	8	5.5	4.5	6	5.56339E-05	0.000637	4.50055E-05	0.000628
AvalonBay Communities Inc	30217270320	0.0281	0.75	2.5	6.5	3	4	7.57068E-05	0.001062	9.58216E-05	0.001047
Prudential Financial Inc	37434240000	0.04296	1.35	7	9	3.5	6.5	0.000200844	0.002369	0.000189062	0.002334
United Parcel Service Inc	102089515230	0.03227	1.00	8.5	7.5	35.5	17.16667	0.000567727	0.004785	0.000974601	0.004715
Apartment Investment & Management Co	8127632150	0.02858	0.80	-3	4	0.5	0.5	-7.04291E-07	0.000305	1.26316E-05	0.0003
Walgreens Boots Alliance Inc	54748464940	0.02983	0.95	9.5	7.5	9.5	8.833333	0.000323977	0.002438	0.000302108	0.002402
McKesson Corp	27154331600	0.01088	1.15	10.5	8.5	8.5	9.166667	0.000148219	0.001464	0.000129229	0.001442
Lockheed Martin Corp	110769281700	0.02445	0.80	11.5	10.5	11		0.000731335	0.004154	0.000694695	0.004093
AmerisourceBergen Corp	18028471100	0.01828	1.00	8	3.5	8	6.5	8.36691E-05	0.000845	6.98359E-05	0.000833
Capital One Financial Corp	44946733710	0.01658	1.25	5.5	1.5	7.5	4.833333	0.000151764	0.002633	0.00013558	0.002595
Darden Restaurants Inc	14068579500	0.03068	0.80	11	8	10	9.666667	9.38821E-05	0.000528	8.37062E-05	0.00052
NetApp Inc	14022205440	0.03125	1.30	10	16.5	1	9.166667	8.72925E-05	0.000854	8.05286E-05	0.000842
Citrix Systems Inc	14704442400	0.0124	1.10	7		10	8.5	5.70925E-05	0.000758	6.5032E-05	0.000747
DXC Technology Co	9187768220	0.0234	1.30	10	13.5	10	11.16667	5.3647E-05	0.00056	5.7867E-05	0.000552
Hartford Financial Services Group Inc/The	22310059900	0.01939	0.90	13	5.5	6	8.166667	0.000157541	0.000941	0.000104941	0.000927
Iron Mountain Inc	9782962010	0.07262	0.90	8.5	5	-7.5	2	7.36928E-05	0.000413	4.21754E-05	0.000407
Estee Lauder Cos Inc/The	70260879780	0.00983	0.85	14	12	4	10	0.000495706	0.002799	0.000357986	0.002758
Universal Health Services Inc	12302742000	0.00569	0.95	11	23	11	15	6.68949E-05	0.000548	8.8704E-05	0.00054
E*TRADE Financial Corp	10360507760	0.01221	1.30	17.5		8.5	13	9.14331E-05	0.000631	6.84258E-05	0.000622
Skyworks Solutions Inc	16362815000	0.01833	1.15	6	11	15.5	10.83333	6.04987E-05	0.000882	9.64699E-05	0.000869
National Oilwell Varco Inc	8241371520	0.00936	1.35	31	-10.5	1	7.166667	0.000123928	0.000522	3.0968E-05	0.000514
Quest Diagnostics Inc	14127021360	0.02021	0.95	8.5	8.5	8.5	8.5	7.02361E-05	0.000629	6.92039E-05	0.00062
Activision Blizzard Inc	41551342100	0.00684	1.05	10	9	9.5	9.5	0.000208751	0.002045	0.000196055	0.002015
Rockwell Automation Inc	22671476870	0.02079	1.25	9.5	6	6.5	7.333333	0.000124097	0.001328	9.93509E-05	0.001309
Kraft Heinz Co/The	37965895490	0.05146	0.90	0	-4.5	-1	-1.83333	9.15768E-05	0.001602	5.72578E-05	0.001578
American Tower Corp	96516626000	0.01744	0.75	11.5	8	8	9.166667	0.000603697	0.003393	0.000489909	0.003343
HollyFrontier Corp	8450380400	0.02674	1.25	18	3.5	12	11.16667	8.28417E-05	0.000495	5.4599E-05	0.000488
Jack Henry & Associates Inc	11567477950	0.01064	0.85	12	9.5	9	10.16667	7.11793E-05	0.000461	6.02868E-05	0.000454
Ralph Lauren Corp	7977196560	0.02572	1.25	8	5.5	0.5	4.666667	3.99149E-05	0.000467	2.68897E-05	0.000461
Boston Properties Inc	21345567100	0.02753	0.90	5	7	5.5	5.833333	7.82596E-05	0.0009	8.54377E-05	0.000887
Amphenol Corp	30307412240	0.00978	1.05	9.5	9	5	7.833333	0.00014951	0.001492	0.00012387	0.00147
Pioneer Natural Resources Co	21611964090	0.01349	1.45			8	8	0	0	9.38535E-05	0.001447
Valero Energy Corp	39911365070	0.03704	1.30	11.5	8	5.5	8.333333	0.000288415	0.002432	0.000224725	0.002396
Western Union Co/The	11307334320	0.02966	0.95	6.5	13.5	39.5	19.83333	5.06814E-05	0.000504	0.000120598	0.000496
CH Robinson Worldwide Inc	10219490000	0.02647	0.90	9	7.5	13	9.833333	5.63617E-05	0.000431	5.95186E-05	0.000425
Accenture PLC	132861120000	0.01619	1.05	9	9.5	19	12.5	0.000665845	0.006539	0.000872559	0.006443
Yum! Brands Inc	29677571440	0.01712	0.65	12	9		10.5	0.000192173	0.000904	0.000168613	0.000891
Prologis Inc	57836163200	0.02316	1.00	6.5	8	5	6.5	0.000241038	0.002711	0.000237495	0.002671
FirstEnergy Corp	25324423440	0.03328	0.65	6.5	3.5	7	5.666667	0.000117945	0.000772	0.000106303	0.00076
Quanta Services Inc	6014865800	0.00379	1.40	15.5	0	8	7.833333	4.48511E-05	0.000395	2.28543E-05	0.000389
Ameren Corp	18567884100	0.02624	0.55	6.5	6	5	5.833333	8.01512E-05	0.000479	7.31813E-05	0.000472
NVIDIA Corp	129242160000	0.00303	1.35	11.5	6.5	26.5	14.83333	0.000716076	0.008178	0.000904817	0.008058
Sealed Air Corp	5788169360	0.01708	0.95	22.5	4		13.25	6.61996E-05	0.000258	4.02848E-05	0.000254
Cognizant Technology Solutions Corp	34775916660	0.0126	1.15	6	17.5	11.5	11.66667	0.000118958	0.001875	0.000208795	0.001847
Affiliated Managers Group Inc	4138848000	0.01524	1.50	10	22	5.5	12.5	2.25044E-05	0.000291	2.69888E-05	0.000287
Republic Services Inc	27992207950	0.01847	0.75	11.5	10	6	9.166667	0.000176516	0.000984	0.000143478	0.00097
eBay Inc	28359481500	0.01606	1.05	10	0	1	3.666667	0.000155345	0.001396	6.94446E-05	0.001375
Goldman Sachs Group Inc/The	77159098170	0.02295	1.25	10	18.5	11.5	13.33333	0.00044882	0.004521	0.000562371	0.004454
Sempra Energy	41681142560	0.02617	0.70	11	8	6.5	8.5	0.00026885	0.001368	0.000216144	0.001348
SBA Communications Corp	27108690750	0.00615	0.90	27			27	0.000351949	0.001144	0.000346776	0.001127
Moody's Corp	42274208000	0.00893	1.10	11.5	11		11.25	0.000246587	0.00218	0.00023806	0.002148
MarketAxess Holdings Inc	15280418730	0.00504	0.75	14	16	16	15.33333	0.000104136	0.000537	0.000112039	0.000529
Devon Energy Corp	8430995000	0.0164	1.90	0	0	6.5	2.166667	6.48104E-06	0.000751	1.48915E-05	0.00074
Teleflex Inc	16341099120	0.00385	0.95	15	2.5	10	9.166667	0.000118063	0.000728	7.22194E-05	0.000717
Allegion PLC	10917747500	0.00919	1.10	8.5	15	35.5	19.66667	4.84013E-05	0.000563	0.000104254	0.000555
Agilent Technologies Inc	24299427360	0.00835	1.10	11	11	7.5	9.833333	0.000135322	0.001253	0.000120186	0.001234
Anthem Inc	74218182800	0.01093	0.95	19.5	13	14	15.5	0.000720101	0.003305	0.000571661	0.003256
CME Group Inc	74051717040	0.01452	0.65	3	5.5	6.5	5	0.000155286	0.002256	0.0002219	0.002223
Juniper Networks Inc	8555110920	0.02973	1.10	6	11	-2.5	4.833333	3.63396E-05	0.000441	3.11274E-05	0.000435
BlackRock Inc	75458088510	0.027	1.25	10.5	10	4	8.166667	0.00047189	0.004421	0.000382541	0.004356
DTE Energy Co	24138070500	0.03263	0.55	5.5	6	5.5	5.666667	0.000100162	0.000622	0.000100578	0.000613
Nasdaq Inc	17325815500	0.01779	0.85	8	5.5	10	7.833333	7.99943E-05	0.00069	7.74731E-05	0.00068
Celanese Corp	15017385760	0.01996	1.30	8.5	13	10	10.5	7.44794E-05	0.000915	8.73944E-05	0.000902
Philip Morris International Inc	129884445000	0.05606	0.85	6	4.5		5.25	0.000716819	0.005175	0.000660034	0.005099
Huntington Ingalls Industries Inc	10399234000	0.0162	1.10	7	12	11.5	10.16667	4.22939E-05	0.000536	5.70043E-05	0.000528
MetLife Inc	45006741140	0.03596	1.30	7.5	5.5	2	5	0.000236926	0.002742	0.000180544	0.002702
Tapestry Inc	7210207680	0.05166	1.15	11	5.5	10.5	9	5.55954E-05	0.000389	4.79464E-05	0.000383
CSX Corp	54419361720	0.0138	1.25	14.5	10	5	9.833333	0.000407618	0.003188	0.000283531	0.003142
Ameriprise Financial Inc	20066112480	0.0245	1.40	12.5	3.5	18.5	11.5	0.000142053	0.001317	0.000130585	0.001297
Zimmer Biomet Holdings Inc	29324367880	0.00673	0.95	4.5	4	9	5.833333	7.1312E-05	0.001306	8.83822E-05	0.001287
Mastercard Inc	284651995620	0.00463	1.00	19	12.5	35	22.16667	0.002602713	0.013342	0.002981727	0.013146
Intercontinental Exchange Inc	52611188000	0.01164	0.80	10.5	9.5	8.5	9.5	0.000289146	0.001973	0.000260457	0.001944
Fidelity National Information Services Inc	84489062000	0.01018	0.85	7	5.5	5	5.833333	0.000318944	0.003366	0.000268501	0.003317
Wynn Resorts Ltd	12619580250	0.03403	1.70	27	9.5	46	27.5	0.000182556	0.001006	0.000182837	0.000991
Assurant Inc	8031844560	0.01902	0.85	6.5	5	10.5	7.333333	3.18642E-05	0.00032	3.45165E-05	0.000315
NRG Energy Inc	9973186160	0.00303	1.25		4	5.5	4.75	0	0	2.33074E-05	0.000576
Regions Financial Corp	15829725990	0.03778	1.35	10.5	13.5	7	10.33333	0.000107412	0.001002	0.000104592	0.000987
Mosaic Co/The	6866973190	0.01103	1.50	21		5	13	7.15168E-05	0.000483	4.49543E-05	0.000476
Expedia Group Inc	13664198660	0.01442	1.10	24	11.5	9.5	15	0.000164059	0.000705	0.000104443	0.000694
CF Industries Holdings Inc	9806183200	0.02661	1.35		4	7.5	5.75	0	0	3.8439E-05	0.000611
Viacom Inc	8244124330	0.03435	1.15	2	-2	14.5	4.833333	2.1135E-05	0.000444	3.17975E-05	0.000438
Leidos Holdings Inc	12975756240	0.01484	1.00	9	3	11	7.666667	6.4171E-05	0.000608	5.51783E-05	0.000599
Cooper Cos Inc/The</											

Marathon Petroleum Corp	40128099600	0.0343	1.50	10.5	11.5	12.5	11.5	0.000265399	0.002821	0.000280349	0.00278
Tractor Supply Co	11466867960	0.01445	1.05	11.5	10.5	4	8.666667	7.00241E-05	0.000564	5.38816E-05	0.000556
ResMed Inc	21516137040	0.01043	0.85	18	6	16	13.33333	0.000193	0.000857	0.000143549	0.000845
Albemarle Corp	6897446650	0.0226	1.40	5.5	5.5	4	5	2.52893E-05	0.000453	2.33068E-05	0.000446
Essex Property Trust Inc	21060994220	0.02447	0.70	-0.5	5.5	2.5	2.5	1.91602E-05	0.000691	4.84161E-05	0.000681
Realty Income Corp	25418422810	0.03493	0.65	4.5	5.5	2.5	4.166667	9.61678E-05	0.000774	9.0773E-05	0.000763
Seagate Technology PLC	15660202710	0.04362	1.35	4	1	24	9.666667	6.20207E-05	0.000991	0.000102987	0.000976
Westrock Co	9990852300	0.04801	1.45	10	4	5.5	6.5	7.04373E-05	0.000679	5.28648E-05	0.000669
Wabtec Corp	15135210720	0.00608	1.20	13.5	9	14.5	12.33333	0.000100378	0.000851	9.07226E-05	0.000839
Western Digital Corp	14424142500	0.04124	1.45	1	3	4.5	2.833333	3.47829E-05	0.00098	4.67365E-05	0.000966
PepsiCo Inc	186491736900	0.02856	0.75	6.5	5.5	9.5	7.166667	0.00082596	0.006556	0.000872061	0.00646
Diamondback Energy Inc	12079904050	0.00996	1.40	16.5	11	13.75	9.95311E-05	0.000793	8.26497E-05	0.000781	0.000781
Maxim Integrated Products Inc	15010681230	0.03461	1.15	6	9.5	1.5	5.666667	6.72976E-05	0.000809	6.39577E-05	0.000797
Church & Dwight Co Inc	17099611360	0.01306	0.65	9	6	10.5	8.5	8.30745E-05	0.000521	7.78791E-05	0.000513
Duke Realty Corp	12934823490	0.02671	0.80	4.5	4.5	4.5	4.5	4.38416E-05	0.000485	4.31973E-05	0.000478
Federal Realty Investment Trust	9890492080	0.03207	0.75	3	2	3	2.666667	2.89984E-05	0.000348	2.70252E-05	0.000343
MGM Resorts International	16386790880	0.01634	1.55	25	0	12.5	12.5	0.000206144	0.001191	0.00010774	0.001173
JB Hunt Transport Services Inc	12298035420	0.00901	1.05	9.5	7	15.5	10.66667	6.02027E-05	0.000605	6.59741E-05	0.000596
Lam Research Corp	39770506270	0.01678	1.30	8.5	12.5	10.5	10.5	0.000191064	0.002423	0.000225299	0.002388
Pentair PLC	7258255740	0.01667	1.25	6	-3.5	-1.5	0.333333	2.62545E-05	0.000425	6.71474E-06	0.000419
Alexandria Real Estate Equities Inc	18427614530	0.025	0.85	7	7	7.5	7.25	0	0	8.37498E-05	0.000723
Delta Air Lines Inc	36004182810	0.02892	1.10	9.5	19	13	13.83333	0.000211448	0.001856	0.000281438	0.001829
News Corp	2623138200	0.01522	1.20	12	15	6.5	11.16667	1.67381E-05	0.000148	1.54749E-05	0.000145
Macerich Co/The	3732221300	0.11355	0.90	3	4	1.5	2.833333	2.54106E-05	0.000157	2.47336E-05	0.000155
Martin Marietta Materials Inc	16442763080	0.00836	1.10	8	6.5	8.5	7.666667	6.83586E-05	0.000848	6.4812E-05	0.000835
Coty Inc	9056809400	0.04184	1.10	5	4.5	0.5	3.333333	3.94319E-05	0.000467	3.17352E-05	0.00046
Everest Re Group Ltd	10917749220	0.02092	0.75	18.5	6.5	6.5	10.5	0.000106369	0.000384	6.40459E-05	0.000378
News Corp	4946330610	0.01571	1.25	16.5	3.5	10	0	0	0	2.66124E-05	0.000286
Exelon Corp	44094864240	0.03197	0.65	9	5.5	5	6.5	0.000255068	0.001343	0.000199593	0.001324
Global Payments Inc	54251919480	0.00432	1.15	20	71	28	39.66667	0.000520673	0.002924	0.001006848	0.002881
Crown Castle International Corp	56914481520	0.03506	0.70	12	8.5	12	10.83333	0.000419273	0.001867	0.000381907	0.00184
Aptiv PLC	22848276000	0.00983	1.30	10	1	24	11.66667	0.00011815	0.001392	0.000134088	0.001372
Advance Auto Parts Inc	11201950660	0.00148	1.00	14	16.5	8.5	13	7.4341E-05	0.000525	6.80711E-05	0.000517
Alliance Data Systems Corp	4661788320	0.0249	1.20	9	14	20	14.33333	2.53518E-05	0.000262	3.66049E-05	0.000258
Nielsen Holdings PLC	7133990500	0.01197	1.00	45.5	-16.5	-1	9.333333	0.000157061	0.000334	3.4879E-05	0.000329
Garmin Ltd	18416131250	0.02354	0.95	10.5	2.5	3	5.333333	0.000112025	0.00082	6.59171E-05	0.000808
Cimarex Energy Co	4681223800	0.0174	1.50	16	15	15.5	15.5	3.9231E-05	0.000329	3.7564E-05	0.000324
Zoetis Inc	56946308440	0.00549	1.00	13.5	13	25	17.16667	0.000375991	0.002669	0.000467163	0.00263
Equinix Inc	48503284040	0.0173	0.85	22	8.5	5.5	12	0.000543826	0.001932	0.000309888	0.001904
Digital Realty Trust Inc	25326084800	0.0356	0.80	7	7	5	6.333333	0.000126838	0.00095	0.000117037	0.000936
	21652511179810							0.12851445	1.000969	0.12006738	1.004312
EPS sum	21334287156700										