

Exh. AEB-6
Docket UE-19
Witness: Ann E. Bulkley

**BEFORE THE WASHINGTON
UTILITIES AND TRANSPORTATION COMMISSION**

WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,

Complainant,

v.

PACIFICORP dba
PACIFIC POWER & LIGHT COMPANY

Respondent.

Docket UE-19

PACIFICORP

EXHIBIT OF ANN E. BULKLEY

Constant Growth DCF Model

December 2019

30-DAY CONSTANT GROWTH DCF -- PACIFICORP PROXY GROUP														
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	All Proxy Group [10]	[11]	[12]	[13]	With Exclusions [14]
Company	Annualized Dividend	Stock Price	Dividend Yield	Expected Dividend Yield	Value Line Earnings Growth	Zacks Earnings Growth	Average Growth	Low ROE	Mean ROE	High ROE	Low ROE	Mean ROE	High ROE	High ROE
ALLETE, Inc.	\$2.35	\$86.31	2.72%	2.81%	6.00%	7.20%	6.40%	8.80%	9.21%	10.02%	8.80%	9.21%	10.02%	
Alliant Energy Corporation	LNT	\$52.61	2.70%	2.78%	6.50%	5.50%	5.50%	7.82%	9.29%	7.82%	8.46%	9.29%	9.03%	
Ameren Corporation	AEE	\$1.90	\$77.40	2.45%	2.53%	6.50%	4.70%	6.40%	5.87%	7.21%	8.39%	7.21%	8.39%	9.10%
American Electric Power Company, Inc.	AEP	\$2.68	\$92.02	2.91%	2.99%	4.00%	6.10%	5.70%	5.27%	6.97%	8.26%	9.10%	8.26%	9.10%
Avista Corporation	AVA	\$1.55	\$47.50	3.26%	3.32%	3.50%	3.40%	5.11%	5.50%	7.70%	6.62%	6.82%	6.82%	6.82%
CenterPoint Energy, Inc.	CNP	\$1.15	\$29.01	3.96%	4.12%	12.50%	12.50%	7.14%	9.18%	11.82%	16.71%	9.18%	11.82%	16.71%
CMS Energy Corporation	CMS	\$1.53	\$62.70	2.44%	2.52%	7.00%	6.40%	6.85%	8.92%	9.37%	9.67%	8.92%	9.37%	9.67%
Dominion Resources, Inc.	D	\$3.67	\$78.52	4.67%	4.80%	6.50%	4.59%	4.80%	5.30%	9.37%	10.09%	11.33%	9.37%	11.33%
DTE Energy Company	DTE	\$3.78	\$130.66	2.89%	2.97%	5.50%	4.45%	6.00%	5.32%	7.41%	8.29%	8.98%	8.29%	8.98%
Duke Energy Corporation	DUK	\$3.78	\$93.64	4.04%	4.14%	6.00%	4.06%	4.90%	4.99%	8.18%	9.12%	10.16%	8.18%	9.12%
Entergy Corporation	ETR	\$3.64	\$113.78	3.20%	3.26%	0.50%	Negative	7.00%	3.75%	3.71%	7.01%	10.31%	7.01%	10.31%
Evergy, Inc.	EVRG	\$1.90	\$65.28	2.91%	3.01%	NMF	6.80%	6.60%	6.70%	9.61%	9.71%	9.81%	9.71%	9.81%
FPL Energy Corporation	FE	\$1.52	\$46.90	3.24%	3.35%	8.00%	Negative	6.00%	7.00%	9.34%	10.35%	11.37%	9.34%	11.37%
IDACORP, Inc.	IDA	\$2.52	\$109.87	2.29%	2.33%	3.50%	2.40%	3.80%	3.23%	4.72%	5.56%	6.14%	5.56%	6.14%
NexEnergy, Inc.	NEE	\$5.00	\$223.10	2.24%	2.34%	10.50%	7.99%	8.00%	8.83%	10.32%	11.17%	12.86%	11.17%	12.86%
NorthWestern Corporation	NWE	\$2.30	\$73.26	3.14%	3.19%	3.00%	3.24%	2.60%	2.95%	5.78%	6.13%	6.43%	6.13%	6.43%
OGE Energy Corporation	OGE	\$1.46	\$43.78	3.34%	3.42%	6.50%	3.40%	4.50%	4.80%	6.79%	8.22%	9.94%	8.22%	9.94%
Pinnacle West Capital Corporation	PNW	\$2.95	\$95.17	3.10%	3.19%	5.50%	5.05%	6.10%	5.55%	8.23%	8.74%	9.29%	8.74%	9.29%
PNM Resources, Inc.	PNM	\$1.16	\$50.89	2.28%	2.35%	7.00%	6.18%	5.50%	6.23%	7.84%	8.58%	9.36%	8.58%	9.36%
Portland General Electric Company	POR	\$1.54	\$56.33	2.73%	2.80%	4.50%	4.80%	4.80%	4.70%	7.30%	7.50%	7.60%	7.30%	7.60%
PPL Corporation	PPL	\$1.65	\$30.39	5.43%	5.46%	1.50%	0.58%	n/a	1.05%	6.04%	6.50%	6.97%	6.50%	6.97%
Southern Company	SO	\$2.48	\$59.70	4.15%	4.22%	3.50%	1.37%	4.50%	3.12%	5.55%	7.34%	8.75%	7.34%	8.75%
Xcel Energy Inc.	XEL	\$1.62	\$64.02	2.53%	2.60%	5.50%	5.80%	4.90%	5.40%	7.49%	8.00%	8.40%	8.00%	8.40%
MEAN				3.16%	3.24%	5.61%	4.68%	5.45%	5.22%	7.53%	8.46%	9.49%	8.47%	8.93%
10.10%														

Notes

[1] Source: Bloomberg Professional

[2] Source: Bloomberg Professional, equals 30-day average as of September 30, 2019

[3] Equals [1] / [2]

[4] Equals [3] x (1 + 0.50 x [8])

[5] Source: Value Line Investment Survey

[6] Source: Yahoo! Finance

[7] Source: Zacks

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

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

[10] Equals [4] + [8]

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

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

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

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

90-DAY CONSTANT GROWTH DCF -- PACIFICORP PROXY GROUP														
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	All Proxy Group [10]	[11]	[12]	[13]	With Exclusions [14]
Company	Annualized Dividend	Stock Price	Dividend Yield	Expected Dividend Yield	Value Line Earnings Growth	Zacks Earnings Growth	Average Growth	Low ROE	Mean ROE	High ROE	Low ROE	Mean ROE	High ROE	
ALLETE, Inc.	\$2.35	\$85.36	2.75%	2.84%	6.00%	7.20%	6.40%	8.84%	9.24%	10.05%	8.84%	9.24%	10.05%	
Alliant Energy Corporation	LNT	\$50.63	2.80%	2.88%	6.50%	5.50%	5.50%	7.93%	8.57%	9.40%	7.93%	8.57%	9.40%	
Ameren Corporation	AEE	\$1.90	76.42	2.49%	2.56%	6.50%	6.40%	5.87%	7.24%	8.43%	9.07%	7.24%	8.43%	9.07%
American Electric Power Company, Inc.	AEP	\$2.68	\$90.24	2.97%	3.05%	4.00%	6.10%	5.70%	5.27%	7.03%	8.31%	7.03%	8.31%	9.16%
Avista Corporation	AVA	\$45.59	3.40%	3.46%	3.50%	3.40%	3.30%	6.76%	6.76%	6.96%	6.96%	6.96%	6.96%	6.96%
CenterPoint Energy, Inc.	CNP	\$1.15	\$28.90	3.98%	4.13%	12.50%	5.11%	5.50%	7.70%	9.19%	11.84%	16.73%	11.84%	16.73%
CMS Energy Corporation	CMS	\$1.53	\$59.84	2.56%	2.64%	7.00%	7.14%	6.40%	6.85%	9.04%	9.49%	9.49%	9.49%	9.79%
Dominion Resources, Inc.	D	\$3.67	\$77.11	4.76%	4.89%	6.50%	4.59%	4.80%	5.30%	9.46%	10.18%	11.41%	10.18%	11.41%
DTE Energy Company	DTE	\$3.78	\$129.44	2.92%	3.00%	5.50%	4.45%	6.00%	5.32%	7.44%	8.31%	9.01%	8.31%	9.01%
Duke Energy Corporation	DUK	\$3.78	\$89.99	4.20%	4.31%	6.00%	4.06%	4.90%	4.99%	8.35%	9.29%	10.33%	8.35%	9.29%
Entergy Corporation	ETR	\$3.64	\$106.80	3.41%	3.47%	0.50%	Negative	7.00%	3.75%	3.92%	7.22%	10.53%	7.22%	10.53%
Evergy, Inc.	EVRG	\$1.90	\$62.28	3.05%	3.15%	NMF	6.80%	6.60%	6.70%	9.75%	9.85%	9.95%	9.85%	9.95%
FPL Energy Corporation	FE	\$1.52	\$44.56	3.41%	3.53%	8.00%	Negative	6.00%	7.00%	9.51%	10.53%	11.55%	10.53%	11.55%
IDACORP, Inc.	IDA	\$2.52	\$105.47	2.39%	2.43%	3.50%	2.40%	3.80%	3.23%	4.82%	5.66%	6.23%	5.66%	6.23%
NexEnergy, Inc.	NEE	\$5.00	\$212.80	2.35%	2.45%	10.50%	7.99%	8.00%	8.83%	10.43%	11.28%	10.43%	11.28%	12.97%
NorthWestern Corporation	NWE	\$2.30	\$72.21	3.18%	3.23%	3.00%	3.24%	2.60%	2.95%	5.83%	6.18%	6.48%	6.18%	6.48%
OGE Energy Corporation	OGE	\$1.46	\$43.18	3.38%	3.46%	6.50%	3.40%	4.50%	4.80%	6.84%	8.26%	9.99%	8.26%	9.99%
Pinnacle West Capital Corporation	PNW	\$2.95	\$94.80	3.11%	3.20%	5.50%	5.05%	6.10%	5.55%	8.24%	8.75%	9.31%	8.75%	9.31%
PNM Resources, Inc.	PNM	\$1.16	\$50.24	2.31%	2.38%	7.00%	6.18%	5.50%	6.23%	7.87%	8.61%	9.39%	8.61%	9.39%
Portland General Electric Company	POR	\$1.54	\$55.28	2.79%	2.85%	4.50%	4.80%	4.80%	4.70%	7.35%	7.55%	7.35%	7.55%	7.65%
PPL Corporation	PPL	\$1.65	\$30.42	5.42%	5.45%	1.50%	0.58%	n/a	1.05%	6.03%	6.50%	6.96%	6.50%	6.96%
Southern Company	SO	\$2.48	\$57.07	4.35%	4.41%	3.50%	1.37%	4.50%	3.12%	5.75%	7.54%	8.94%	7.54%	8.94%
Xcel Energy Inc.	XEL	\$1.62	\$61.46	2.64%	2.71%	5.50%	5.80%	4.90%	5.40%	7.60%	8.11%	8.51%	7.60%	8.51%
MEAN														
					3.24%	3.33%	5.61%	4.68%	5.45%	5.22%	7.62%	8.58%	8.45%	9.02%
														10.20%

Notes

[1] Source: Bloomberg Professional

[2] Source: Bloomberg Professional, equals 90-day average as of September 30, 2019

[3] Equals [1] / [2]

[4] Equals [3] x (1 + 0.50 x [8])

[5] Source: Value Line Investment Survey

[6] Source: Yahoo! Finance

[7] Source: Zacks

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

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

[10] Equals [4] + [8]

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

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

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

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

180-DAY CONSTANT GROWTH DCF -- PACIFIC CORP PROXY GROUP														
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	All Proxy Group [10]	[11]	[12]	[13]	With Exclusions [14]
Company	Annualized Dividend	Stock Price	Dividend Yield	Expected Dividend Yield	Value Line Earnings Growth	Zacks Earnings Growth	Average Growth	Low ROE	Mean ROE	High ROE	Low ROE	Mean ROE	High ROE	High ROE
ALLETE, Inc.	\$2.35	\$82.79	2.84%	2.93%	6.00%	7.20%	6.40%	8.92%	9.33%	10.14%	8.92%	9.33%	10.14%	
Alliant Energy Corporation	LNT	\$48.27	2.94%	3.03%	6.50%	5.50%	5.50%	8.07%	8.71%	9.54%	8.07%	8.71%	9.54%	
Ameren Corporation	AEE	\$1.90	\$73.85	2.57%	6.50%	4.70%	6.40%	5.87%	7.33%	9.16%	8.51%	8.51%	9.16%	
American Electric Power Company, Inc.	AEP	\$2.68	\$86.14	3.11%	3.19%	4.00%	6.10%	5.70%	5.27%	7.17%	8.46%	9.31%	9.31%	
Avista Corporation	AVA	\$1.55	\$43.49	3.56%	3.62%	3.50%	3.40%	3.30%	6.92%	7.02%	7.13%	7.02%	7.13%	
CenterPoint Energy, Inc.	CNP	\$1.15	\$29.65	3.88%	4.03%	12.50%	5.11%	5.50%	7.70%	9.09%	11.73%	16.62%	16.62%	
CMS Energy Corporation	CMS	\$1.53	\$56.92	2.69%	2.78%	7.00%	7.14%	6.40%	6.85%	9.17%	9.63%	9.92%	9.92%	
Dominion Resources, Inc.	D	\$3.67	\$75.74	4.85%	4.97%	6.50%	4.59%	4.80%	5.30%	9.55%	10.27%	11.50%	11.50%	
DTE Energy Company	DTE	\$3.78	\$125.65	3.01%	3.09%	5.50%	4.45%	6.00%	5.32%	7.53%	8.41%	9.10%	9.10%	
Duke Energy Corporation	DUK	\$3.78	\$89.39	4.23%	4.33%	6.00%	4.06%	4.90%	4.99%	8.37%	9.32%	10.38%	10.38%	
Entergy Corporation	ETR	\$3.64	\$99.86	3.65%	3.71%	0.50%	Negative	7.00%	3.75%	4.15%	7.46%	10.77%	10.77%	
Evergy, Inc.	EVRG	\$1.90	\$59.76	3.18%	3.29%	NMF	6.80%	6.60%	6.70%	9.88%	9.99%	10.09%	10.09%	
FPL Energy Corporation	FE	\$1.52	\$42.59	3.57%	3.69%	8.00%	Negative	6.00%	7.00%	9.68%	10.69%	11.71%	11.71%	
IDACORP, Inc.	IDA	\$2.52	\$102.00	2.47%	2.51%	3.50%	2.40%	3.80%	3.23%	4.90%	5.74%	6.32%	6.32%	
NexEnergy, Inc.	NEE	\$5.00	\$200.16	2.50%	2.61%	10.50%	7.99%	8.00%	8.83%	10.59%	11.44%	13.13%	13.13%	
NorthWestern Corporation	NWE	\$2.30	\$70.10	3.28%	3.33%	3.00%	3.24%	2.60%	2.95%	5.92%	6.28%	6.57%	6.57%	
OGE Energy Corporation	OGE	\$1.46	\$42.51	3.43%	3.52%	6.50%	3.40%	4.50%	4.80%	6.89%	8.32%	10.05%	10.05%	
Pinnacle West Capital Corporation	PNW	\$2.95	\$93.67	3.15%	3.24%	5.50%	5.05%	6.10%	5.55%	8.28%	8.79%	9.35%	9.35%	
PNM Resources, Inc.	PNM	\$1.16	\$47.65	2.43%	2.51%	7.00%	6.18%	5.50%	6.23%	8.00%	8.74%	9.52%	9.52%	
Portland General Electric Company	POR	\$1.54	\$52.86	2.91%	2.98%	4.50%	4.80%	4.80%	4.70%	7.48%	7.68%	7.78%	7.78%	
PPL Corporation	PPL	\$1.65	\$30.84	5.35%	5.38%	1.50%	n/a	0.58%	1.05%	5.96%	6.42%	6.89%	6.89%	
Southern Company	SO	\$2.48	\$53.95	4.60%	4.67%	3.50%	1.37%	4.50%	3.12%	6.00%	7.79%	9.20%	9.20%	
Xcel Energy Inc.	XEL	\$1.62	\$58.14	2.79%	2.86%	5.50%	5.80%	4.90%	5.40%	7.75%	8.26%	8.67%	8.67%	
MEAN														
					3.43%	5.61%	4.68%	5.45%	5.22%	7.72%	8.65%	9.69%	9.55%	
													10.15%	

Notes

[1] Source: Bloomberg Professional

[2] Source: Bloomberg Professional, equals 180-day average as of September 30, 2019

[3] Equals [1] / [2]

[4] Equals [3] x (1 + 0.50 x [8])

[5] Source: Value Line Investment Survey

[6] Source: Yahoo! Finance

[7] Source: Zacks

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

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

[10] Equals [4] + [8]

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

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

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

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