

## **COST OF CAPITAL STUDY**

# YIELD CAPITALIZATION 2025 Assessment Year

APPENDIX C

## **Electric Industry**

MODEL							PAGE
			8.74%				4
ELS Single Stage							
Dividends Growth			8.70%				5
Earnings Growth			9.30%				6
Return on Equity			8.50%				7
ulti Stage			7.50%				8
					RANGE	7.5% - 9.3%	
						6.00%	9
RATE						5.25%	9
CTURE							
	60%	х	9.25%	=		5.55%	3
	40%	х	6.00%	=	2.40%		3
	24%	=	(124)	х	2.40%	<u>1.82%</u>	
	DELS Single Stage Dividends Growth Earnings Growth Return on Equity ulti Stage  RATE  CTURE	DELS Single Stage Dividends Growth Earnings Growth Return on Equity ulti Stage  RATE  CTURE  60% 40%	DELS Single Stage Dividends Growth Earnings Growth Return on Equity  ulti Stage  RATE  CTURE  60% x 40% x	## 10	## Stage	## Stage  Dividends Growth Earnings Growth Return on Equity  ### Page 1.50%  ### RATE  ### CTURE  ### RATE  ### 60%	8.74%  DELS Single Stage Dividends Growth Earnings Growth Peturn on Equity  8.50%  RANGE  7.50%  RANGE  6.00%  5.25%  CTURE  60%  x 9.25% = 5.55% 40%  x 6.00% = 2.40%

**WEIGHTED AVERAGE COST OF CAPITAL** 

7.37%

## **SUPPORT FOR GUIDELINE COMPANIES**

Washington State Department of Revenue 2025 Assessment Year Electric Industry

Capital Structure at Book Value

Company	Ticker	Beta	Fin'l Strength	P/E Ratio	Div'd Yield	Common Stock	%	Preferred Stock	%	Long Term Debt	%	Total Debt & Equity
Avista Corp	ava	0.95	Α	14.0	5.2%	2,603,625,000	49.6%			2,650,100,000	50.4%	5,253,725,000
Black Hills	bkh	1.05	Α	15.2	4.4%	3,495,375,000	45.1%			4,248,800,000	54.9%	7,744,175,000
Edison International	eix	1.05	Α	15.2	4.0%	15,696,150,000	30.0%	254,400,000	0.5%	36,419,000,000	69.5%	52,369,550,000
Idacorp Inc	ida	0.85	Α	19.9	3.1%	3,399,925,000	52.7%			3,054,000,000	47.3%	6,453,925,000
NorthWestern Energy	nwe	1.00	B++	14.0	4.9%	2,850,525,000	52.6%			2,570,700,000	47.4%	5,421,225,000
Pinnacle West Capital	pnw	1.00	Α	15.7	4.2%	6,988,200,000	46.5%			8,056,200,000	53.5%	15,044,400,000
TXNM Energy	txnm	0.90	B++	18.0	3.2%	2,493,400,000	35.5%	11,500,000	0.2%	4,522,700,000	64.4%	7,027,600,000
Portland General Electric	por	0.95	Α	12.2	4.5%	3,641,100,000	44.0%			4,633,000,000	56.0%	8,274,100,000
Sempra Energy	sre	1.00	Α	19.9	2.8%	29,733,000,000	46.6%	2,278,000,000	3.6%	31,853,000,000	49.9%	63,864,000,000
Xcel Energy	xel	0.85	Α	18.8	3.3%	19,665,000,000	41.7%			27,471,000,000	58.3%	47,136,000,000
Mean		0.96		16.3	4.0%	9,056,630,000	44.4%		1.4%	12,547,850,000	55.2%	
Harmonic Mean		0.95					43.2%		0.4%		54.4%	
Weighted Mean						90,566,300,000	41.4%	2,543,900,000	1.2%	125,478,500,000	57.4%	218,588,700,000
Median		0.98			4.1%		45.8%		0.5%		54.2%	. , ,

## **SUPPORT FOR CAPITAL STRUCTURE Market Value**

Washington State Department of Revenue

2025 Assessment Year

Electric Industry

Company	Ticker	Stock Price	Common Shares	Common Stock	%	Preferred Stock	%	Long Term Debt	%	Total Debt & Equity
Avista Corp	ava	36.63	79,500,000	2,912,085,000	57.2%	-		2,183,000,000	42.8%	5,095,085,000
Black Hills	bkh	58.52	71,700,000	4,195,884,000	50.8%	-		4,059,100,000	49.2%	8,254,984,000
Edison Internationa	eix	79.00	389,000,000	30,731,000,000	47.9%	254,400,000	0.4%	33,160,000,000	51.7%	64,145,400,000
Idacorp Inc	ida	109.28	53,500,000	5,846,480,000	67.6%	-		2,807,803,000	32.4%	8,654,283,000
NorthWestern Energ	nwe	53.46	61,500,000	3,287,790,000	55.4%	-		2,645,779,000	44.6%	5,933,569,000
Pinnacle West Capit	pnw	83.90	114,000,000	9,564,600,000	54.7%	-		7,918,992,000	45.3%	17,483,592,000
TXNM Energy	txnm	48.76	91,000,000	4,437,160,000	48.5%	11,500,000	0.1%	4,706,076,000	51.4%	9,154,736,000
Portland General El	por	43.62	106,000,000	4,623,720,000	53.8%	-		3,963,000,000	46.2%	8,586,720,000
Sempra Energy	sre	87.72	636,000,000	55,789,920,000	63.2%	2,278,000,000	2.6%	30,193,000,000	34.2%	88,260,920,000
Xcel Energy	xel	66.97	575,000,000	38,507,750,000	60.5%	-		25,115,000,000	39.5%	63,622,750,000
			Mean		56.0%		1.0%		43.7%	
			<b>Harmonic Mean</b>		55.3%		0.3%		42.7%	
			Weighted Mean	159,896,389,000	57.3%	2,543,900,000	0.9%	116,751,750,000	41.8%	279,192,039,000
			Median		55.1%		0.4%		44.9%	
			Std Dev		6.4%		1.3%		6.6%	
		Coeffi	cient of Variation		11.3%		130.1%		15.2%	
			Target		60%				40%	100%

# SUPPORT FOR YIELD CAPITALIZATION EQUITY COMPONENT CAPITAL ASSET PRICING MODEL

2025 Assessment Year

# Ex Ante Ke = Rf + B (Rp)

Ke =	Cost of Equity					8	.74%
						t	to page 1
		Rm =	rate of return	8.91%			
		Rf =	risk free rate	4.78%			
		Rp =	risk premium	4.13%			
		B =	Beta	0.96			page 7
Rp =	Risk Premium					4	.13%
							to above
	Shannon Pratt and	_		<b>-</b>	3.50% - 6.00%		
	Dr. Aswath Damo		oital, App and Exam, 5th	Ed, 2014	4 220/	abaut saas 12	
	Dr. Aswath Damo		<b>4</b>	1/	4.33% 4.13%	chart page 13	
			s.stern.nyu.edu/~adamoo lied Premium	iar/	4.13%	adjusted for Rf	
Rf =	Risk Free Rate					4	.78%
	Value Line Try	octmont Su	rvov Solostod Viold	c lanuary 10, 2021	F nago 206		
	as of 12-30-24	estillelit Sul	rvey, Selected Yield	5 January 10, 202:	5, page 200		
		US Treasu	iry Securities year end	d data			
				5 year	4.37%		
				10 year	4.55%		
	_		:	30 year	4.77%		
	Federal Reserv As of 12-31-24	e Statistica	l Release (http://v	vww.federalreserv	ve.gov/Releases/H	15/Current/)	
	A3 01 12 31 24	Treasury (	Constant Maturities				
				5 year	4.38%		
				10 year	4.58%		
				20 year	4.86%		
				30 year	4.78%		
				20 year TIPS	2.41%	2.45%	
				30 year TIPS	2.48%	2.30%	
						TIPS inflation ind	lication
Inflatio	on					2	.30%
	The Livingston	Cumrau Da		2 0		to appraisal	template
	The Livingston	-	cember 20, 2024, pa edian (measured by the		() over next 10 years	2.28%	
Gross	Domestic Produc	ct (GDP) No	minal				.10%
	Federal Reserv	e Projected	Long Run Real GDI	2 Growth		real GDP + infl	lation est
	r cacrar reserv		jection Value From Dec		1 د	1.80%	
			w.federalreserve.gov/m				
	Communication	Dudget Off:	on Don't CDD Former	uia Duaisatiana			
	Congressional		ce Real GDP Econor and Economic Outlook			Table C 2 as	. 20
		THE budget			2025-2029	Table C-3, pg 2.20%	1 29
		_				2,2070	
		Average Pe	rcentage Change Year T w.cbo.gov/system/files/				
	Federal Reserv	Average Pe https://ww	w.cbo.gov/system/files/			1.90%	
	Federal Reserv	Average Pe https://ww	w.cbo.gov/system/files/				
	Federal Reserv	Average Pe https://ww e Bank of P	w.cbo.gov/system/files/ hiladelphia ston Survey, December 2	2025-01/60870-Outlo 20, 2024, page 8		1.90%	
	Federal Reserv	Average Pe https://ww e Bank of P The Livings Average Re	w.cbo.gov/system/files/	2025-01/60870-Outlo 20, 2024, page 8 Next 10 Years	2030-2035	1.90% 2.11%	

# SUPPORT FOR YIELD CAPITALIZATION EQUITY COMPONENT DIVIDEND GROWTH MODEL

Washington State Department of Revenue 2025 Assessment Year Electric Industry

#### **Based on Dividend Growth**

Ke = (D1 / Po) + G

Ke = Cost of Equity
D1 = Expected Dividends
Po = Current Price
G = Sustainable Growth

Dividend Growth (G)	Ke with Short Term Growth
6% 4.00%	9.46%
1% 4.00%	8.61%
5% 6.00%	10.25%
2% 5.50%	8.72%
4% 1.50%	6.44%
0% 1.50%	5.80%
8% 5.50%	8.88%
7% 5.50%	10.27%
4% 6.00%	8.94%
3% 6.00%	9.43%
Mear Harmonic Mear Mediar Mar Mir Std Dev	8.41% 8.91% 10.27% 5.80% 1.48%
cien	Std Dev

# SUPPORT FOR YIELD CAPITALIZATION EQUITY COMPONENT DIVIDEND GROWTH MODEL

Washington State Department of Revenue 2025 Assessment Year Electric Industry

### **Based on Earnings Growth**

Ke = (D1 / Po) + G

 $egin{array}{lll} \mbox{Ke} &= & \mbox{Cost of Equity} \\ \mbox{D1} &= & \mbox{Expected Dividends} \\ \mbox{Po} &= & \mbox{Current Price} \\ \mbox{G} &= & \mbox{Sustainable Growth} \\ \end{array}$ 

Company	Ticker	Stock Price (Po)	Expected Dividend (D1)	Dividend Yield (D1/Po)	Earnings Growth (G)	Ke with Short Term Growth
Avista Corp	ava	36.63	2.00	5.46%	5.50%	10.96%
Black Hills	bkh	58.52	2.70	4.61%	4.00%	8.61%
Edison International	eix	79.00	3.36	4.25%	6.50%	10.75%
Idacorp Inc	ida	109.28	3.52	3.22%	6.00%	9.22%
NorthWestern Energ	nwe	53.46	2.64	4.94%	4.50%	9.44%
Pinnacle West Capita	pnw	83.90	3.61	4.30%	4.00%	8.30%
TXNM Energy	txnm	48.76	1.65	3.38%	4.00%	7.38%
Portland General Ele	por	43.62	2.08	4.77%	5.50%	10.27%
Sempra Energy	sre	87.72	2.58	2.94%	6.00%	8.94%
Xcel Energy	xel	66.97	2.30	3.43%	6.50%	9.93%
					Mean	9.38%
				Ha	armonic Mean	9.26%
					Median	9.33%
					Max	10.96%
					Min	7.38%
Std Dev						
				Coefficier	nt of Variation	12.01%
					Say	9.30%

6

# SUPPORT FOR YIELD CAPITALIZATION EQUITY COMPONENT DIVIDEND GROWTH MODEL

Washington State Department of Revenue

2025 Assessment Year

Electric Industry

Based on Return on Equity Ke = (D1 / Po) + G

Ke = Cost of Equity

D1 = Expected Dividends E1 = Expected Earnings Po = Current Price

**G** = Sustainable Growth

**b** = Retained Earnings % = (1 - Payout Ratio)

**ROE** = Return on Equity = (E1 / Po)

Company	Ticker	Stock Price	Expected Dividend	Expected Earnings	Dividend Yield	Retained Earnings	ROE	Growth	K <sub>e</sub>	K <sub>e</sub>
		(Po)	(D1)	(E1)	(D1/Po)	(b)	(E1/Po)	(b*ROE)	Dividends	Earnings
Avista Corp	ava	36.63	2.00	2.60	5.46%	22.0%	7.10%	1.56%	7.02%	8.66%
Black Hills	bkh	58.52	2.70	4.10	4.61%	33.0%	7.01%	2.31%	6.93%	9.32%
Edison International	eix	79.00	3.36	5.50	4.25%	32.0%	6.96%	2.23%	6.48%	9.19%
Idacorp Inc	ida	109.28	3.52	5.80	3.22%	38.0%	5.31%	2.02%	5.24%	7.32%
NorthWestern Energy	nwe	53.46	2.64	3.70	4.94%	24.0%	6.92%	1.66%	6.60%	8.58%
Pinnacle West Capita	pnw	83.90	3.61	4.80	4.30%	31.0%	5.72%	1.77%	6.08%	7.49%
TXNM Energy	txnm	48.76	1.65	2.85	3.38%	43.0%	5.84%	2.51%	5.90%	8.36%
Portland General Elec	por	43.62	2.08	3.25	4.77%	36.0%	7.45%	2.68%	7.45%	10.13%
Sempra Energy	sre	87.72	2.58	5.10	2.94%	NMF	5.81%	NMF	NMF	NMF
Xcel Energy	xel	66.97	2.30	3.80	3.43%	38.0%	5.67%	2.16%	5.59%	7.83%
								Mean	6.36%	8.54%

Mean6.36%8.54%Harmonic Mean6.29%8.46%Median6.48%8.58%Std Dev0.72%0.91%Coefficient of Variation11.34%10.70%

say 8.50%

# SUPPORT FOR YIELD CAPITALIZATION EQUITY COMPONENT FREE CASH FLOW TO EQUITY MODEL MULTI STAGE

Washington State Department of Revenue 2025 Assessment Year Electric Industry

Company	Ticker	Stock Price	Expected Earnings	P/E	Payout Ratio	ROE	Ke
Avista Corp	ava	36.63	2.60	14.09	76.00%	7.50%	8.75%
Black Hills	bkh	58.52	4.10	14.27	66.00%	8.00%	8.71%
Edison International	eix	79.00	5.50	14.36	65.00%	12.00%	8.81%
Idacorp Inc	ida	109.28	5.80	18.84	61.00%	9.00%	5.53%
NorthWestern Energ	nwe	53.46	3.70	14.45	71.00%	8.00%	8.47%
Pinnacle West Capit	pnw	83.90	4.80	17.48	75.00%	7.50%	6.53%
TXNM Energy	txnm	48.76	2.85	17.11	58.00%	10.00%	6.46%
Portland General Ele	por	43.62	3.25	13.42	64.00%	9.00%	9.54%
Sempra Energy	sre	87.72	5.10	17.20	51.00%	10.00%	6.66%
Xcel Energy	xel	66.97	3.80	17.62	60.00%	10.50%	6.20%
Mean				15.88	64.70%	9.15%	7.57%
Harmonic Mean				15.67	63.84%	8.95%	7.32%
Median				15.78	64.50%	9.00%	7.57%
Industry Summa	ry			15.80	64.00%	9.00%	
·		·	·	·	·		

Say 7.50%

### SUPPORT FOR DEBT RATING AND DEBT YIELD RATE

Washington State Department of Revenue 2025 Assessment Year Electric Industry

Company	Ticker	Moody's Credit Ratings	S&P Ratings
Avista Corp	ava	Baa2	BBB
Black Hills	bkh	Baa2	BBB+
Edison International	eix	Baa2	BBB
Idacorp Inc	ida	Baa2	BBB
NorthWestern Energy	nwe	Baa2	BBB
Pinnacle West Capital	pnw	Baa2	BBB+
TXNM Energy	txnm	Baa2	BBB
Portland General Electric	por	A3	BBB+
Sempra Energy	sre	Baa2	BBB+
Xcel Energy	xel	Baa1	BBB+

Overall Average Debt Rating	Baa2	BBB

Mergent's Bond Record	Februar	y 2025		
Corporate	Aaa	Aa	Α	Baa
October	4.95%	5.17%	5.33%	5.63%
November	5.14%	5.33%	5.49%	5.78%
December	5.20%	5.37%	5.53%	5.80%
4th Qtr Average	5.10%	5.29%	5.45%	5.74%
Public Utilities	Aaa	Aa	Α	Baa
October		5.29%	5.41%	5.61%
November		5.43%	5.55%	5.75%
December		5.45%	5.58%	5.77%
4th Qtr Average		5.39%	5.51%	5.71%
Industrials	Aaa	Aa	Α	Baa
October	4.95%	5.05%	5.24%	5.65%
November	5.14%	5.23%	5.43%	5.80%
December	5.20%	5.28%	5.47%	5.83%
4th Qtr Average	5.10%	5.19%	5.38%	5.76%

	20Y	25Y	30Y
Bloomberg S&P Bond Yields			
December 2024: BBB+	5.88%	5.83%	5.85%
December 2024: BBB	6.05%	5.97%	6.00%

Debt Yield Rate 6.00% Cost of Secured Debt (Operating Lease) Rate 5.25%

# SUPPORT FOR DIRECT CAPITALIZATION EQUITY COMPONENT

2025 Assessment Year Electric Industry

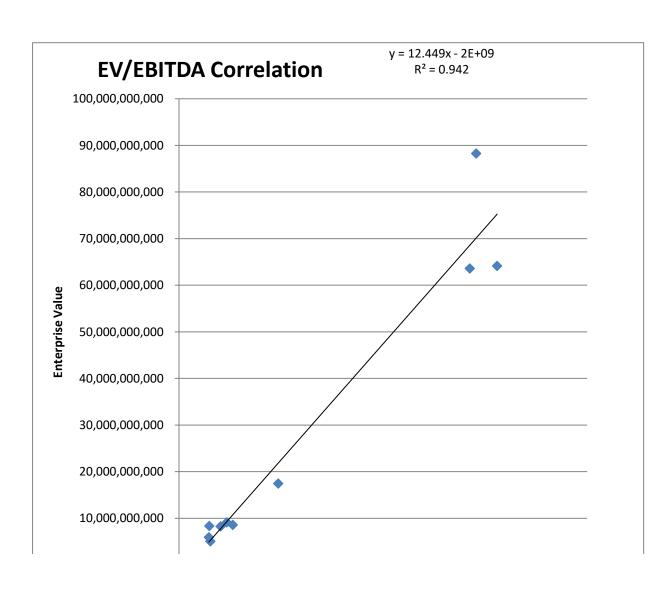
			20	24		)25	20	24	20	25
Company	Ticker	Stock Price		Earnings EPS/P)	Earning	ected gs Ratio PS/P)		ow Ratio (/P)	-	ed Cash Ratio
Avista Corp	ava	36.63	2.40	6.6%	2.60	7.1%	5.85	16.0%	6.20	16.9%
Black Hills	bkh	58.52	3.90	6.7%	4.10	7.0%	7.80	13.3%	8.25	14.1%
Edison International	eix	79.00	4.95	6.3%	5.50	7.0%	12.80	16.2%	13.60	17.2%
Idacorp Inc	ida	109.28	5.45	5.0%	5.80	5.3%	9.50	8.7%	10.20	9.3%
NorthWestern Energy	nwe	53.46	3.40	6.4%	3.70	6.9%	7.00	13.1%	7.45	13.9%
Pinnacle West Capital	pnw	83.90	5.10	6.1%	4.80	5.7%	13.10	15.6%	12.95	15.4%
TXNM Energy	txnm	48.76	2.75	5.6%	2.85	5.8%	6.85	14.0%	7.25	14.9%
Portland General Electric	por	43.62	3.10	7.1%	3.25	7.5%	7.75	17.8%	8.10	18.6%
Sempra Energy	sre	87.72	4.75	5.4%	5.10	5.8%	8.25	9.4%	8.90	10.1%
Xcel Energy	xel	66.97	3.55	5.3%	3.80	5.7%	8.40	12.5%	9.10	13.6%
		Mean		6.0%		6.4%		13.7%		14.4%
	Harm	onic Mean		6.0%		6.3%		13.0%		13.8%
		Median		6.2%		6.4%		13.7%		14.5%
		Max		7.1%		7.5%		17.8%		18.6%
		Min		5.0%		5.3%		8.7%		9.3%
		Std Dev		0.7%		0.8%		2.9%		2.9%
Coeff	icient of	Variation		11.2%		12.1%		21.4%		20.4%
		Say		6.0%		6.4%		13.5%		14.0%

Source: Value Line / yr end stock price

# SUPPORT FOR DIRECT CAPITALIZATION EQUITY COMPONENT

2025 Assessment Year

Company	Ticker	Stock Price	Enterprise Value	EBITDA Historical	Annual Change VL	EBITDA Forecast	EV / EBITDA Forecast	Revenue Forecast	EV / Sales Forecast	CF Forecast	Debt Svc	EV/CF Forecast
Avista Corp	ava	36.63	5,095,085,000	580,000,000	5.98%	614,700,855	8.29	1,864,275,000	2.73	492,900,000	130,980,000	8.17
Black Hills	bkh	58.52	8,254,984,000	773,200,000	5.77%	817,807,692	10.09	2,405,535,000	3.43	591,525,000	243,546,000	9.89
Edison Internation	eix	79.00	64,145,400,000	5,869,000,000	6.25%	6,235,812,500	10.29	18,399,700,000	3.49	5,290,400,000	1,989,600,000	8.81
Idacorp Inc	ida	109.28	8,366,629,000	555,930,000	7.37%	596,893,263	14.02	1,966,125,000	4.26	545,700,000	168,468,180	11.72
NorthWestern Ener	nwe	53.46	5,933,569,000	550,956,000	6.43%	586,374,600	10.12	1,586,700,000	3.74	458,175,000	158,746,740	9.62
Pinnacle West Cap	pnw	83.90	17,483,592,000	1,968,247,000	-1.15%	1,945,709,821	8.99	4,924,800,000	3.55	1,476,300,000	475,139,520	8.96
TXNM Energy	txnm	48.76	9,154,736,000	885,476,000	5.84%	937,182,628	9.77	2,079,350,000	4.40	659,750,000	282,364,560	9.72
Portland General E	por	43.62	8,586,720,000	1,008,000,000	4.52%	1,053,522,581	8.15	3,471,500,000	2.47	858,600,000	237,780,000	7.83
Sempra Energy	sre	87.72	88,260,920,000	5,399,000,000	7.88%	5,824,375,758	15.15	16,059,000,000	5.50	5,660,400,000	1,811,580,000	11.81
Xcel Energy	xel	66.97	63,622,750,000	5,261,000,000	8.33%	5,699,416,667	11.16	15,553,750,000	4.09	5,232,500,000	1,506,900,000	9.44
10		Mean					10.60		3.77			9.60
	Harmoi	nic Mean					10.21		3.59			9.44
		Median					10.11		3.64			9.53
		Std Dev					2.31		0.86			1.32
		Say					10.00		3.50			9.30



## Forecast EV/EBITDA By Rank

	EV/EBITDA		
Guideline Companies	forecast		
Portland General Electric	8.15		
Avista Corp	8.29		
Pinnacle West Capital	8.99	9.06	Low Average
TXNM Energy	9.77	8.99	Low Median
Black Hills	10.09	8.40	Say
NorthWestern Energy	10.12	12.15	High Average
Edison International	10.29	11.16	High Median
Xcel Energy	11.16	12.00	Say
Idacorp Inc	14.02		•
Sempra Energy	15.15		

- 2,000,000,000 4,000,000,000 6,000,000,000 8,000,000,000

EBITDA (Forecast)

• EV/EBITDA — Linear (EV/EBITDA)

## **IMPLIED PREMIUMS FOR US MARKET**

These implied premiums are calculated using the S&P 500.

Year	arnings Yield	ividend Viel	S&P 500	Farnings*	Dividends*	dends + Ruyh	inge in Egrni	inge in Divide	T Rill Pate	T Rond Pate	Rond-Rill	nothed Grou	d Premium	t Growth Es	Implied Premium (FCFE)	Implied Premium	ERP/Riskfree Rate
rear	urnings rien	ividella Hell	3QF 300	Luillings	Dividends	penus + buybo	nge in Larii	lige iii Divide	1.biii Kute	i.bona kate	DONG-DIII	Dollied Grov	u Fremnum (	t Growth Lst	implied Fremium (FCFL)	(FCFE with	LKF/KISKJIEE KULE
2002	5.23%	1.83%	879.82	46.04	16.08	29.83	18.51%	2.15%	1.20%	3.81%	2.61%	3.57%	2.29%	8.00%	4.10%	4.73%	1.08
2003	4.87%	1.61%	1111.91	54.69	17.88	31.58	18.79%	11.19%	1.00%	4.25%	3.25%	5.35%	2.12%	11.00%	3.69%	4.74%	0.87
2004	5.58%	1.60%	1211.92	67.68	19.407	40.6	23.75%	8.54%	2.18%	4.22%	2.04%	4.90%	2.02%	8.50%	3.65%	4.86%	0.86
2005	5.47%	1.79%	1248.29	76.45	22.38	61.17	12.96%	15.32%	4.31%	4.39%	0.08%	6.16%	2.20%	8.00%	4.08%	5.22%	0.93
2006	6.18%	1.77%	1418.3	87.72	25.05	73.16	14.74%	11.93%	4.88%	4.70%	-0.18%	5.93%	1.97%	12.50%	4.16%	6.12%	0.89
2007	5.62%	1.89%	1468.36	82.54	27.73	95.36	-5.91%	10.70%	3.31%	4.02%	0.71%	5.03%	2.06%	5.00%	4.37%	4.59%	1.09
2008	7.24%	3.11%	903.25	65.39	28.05	67.52	-20.78%	1.15%	1.59%	2.21%	0.62%	2.11%	4.05%	4.00%	6.43%	6.92%	2.91
2009	5.35%	2.00%	1115.1	59.65	22.31	37.43	-8.78%	-20.46%	0.14%	3.84%	3.70%	0.28%	2.60%	7.20%	4.36%	4.64%	1.14
2010	6.65%	1.84%	1257.64	83.66	23.12	55.53	40.25%	3.63%	0.13%	3.29%	3.16%	3.33%	2.24%	6.95%	5.20%	6.09%	1.58
2011	7.72%	2.07%	1257.6	97.05	26.02	71.28	16.01%	12.54%	0.03%	1.88%	1.85%	2.75%	2.71%	7.18%	6.01%	8.34%	3.2
2012	7.18%	2.13%	1426.19	102.47	30.44	75.9	5.58%	16.99%	0.05%	1.76%	1.71%	2.93%	2.47%	5.27%	5.78%	7.30%	3.28
2013	5.81%	1.96%	1848.36	107.45	36.28	88.13	4.86%	19.19%	0.07%	3.04%	2.97%	5.01%	2.03%	4.28%	4.96%	4.99%	1.63
2014	5.49%	1.92%	2058.9	113.01	39.44	101.98	5.17%	8.71%	0.05%	2.17%	2.12%	2.77%	2.24%	5.58%	5.78%	5.48%	2.66
2015	5.20%	2.11%	2043.94	106.32	43.16	106.1	-5.92%	9.43%	0.21%	2.27%	2.06%	2.96%	2.46%	5.51%	6.12%	5.16%	2.7
2016	4.86%	2.01%	2238.83	108.86	45.03	108.67	2.39%	4.33%	0.51%	2.45%	1.94%	2.64%	2.41%	5.54%	5.69%	4.50%	2.32
2017	4.67%	1.86%	2673.61	124.94	49.73	108.28	14.77%	10.44%	1.39%	2.41%	1.02%	3.22%	2.36%	7.05%	5.08%	4.75%	2.11
2018	5.92%	2.14%	2506.85	148.34	53.61	136.65	18.73%	7.80%	2.37%	2.68%	0.31%	3.24%	2.50%	4.12%	5.96%	5.55%	2.22
2019	5.03%	1.82%	3230.78	162.35	58.8	150.5	9.44%	9.68%	1.55%	1.92%	0.37%	2.57%	2.03%	3.96%	5.20%	5.06%	2.71
2020	3.72%	1.51%	3756.07	139.76	56.7	127.78	-13.91%	-3.57%	0.09%	0.93%	0.84%	0.74%	1.65%	5.42%	4.72%	4.94%	5.08
2021	4.33%	1.24%	4766.18	206.38	59.2	147.24	47.67%	4.41%	0.06%	1.51%	1.45%	1.71%	1.72%	6.47%	4.24%	4.90%	2.81
2022	5.72%	1.78%	3839.5	219.49	68.34	181.99	6.35%	15.44%	4.42%	3.88%	-0.54%	5.59%	2.16%	6.41%	5.94%	5.11%	1.53
2023	4.61%	1.47%	4769.83	219.7	70.3	164.25	0.10%	2.87%	5.20%	3.88%	-1.32%	3.73%	1.97%	8.74%	4.60%	4.57%	1.19
2024	4.14%	1.25%	5881.63	243.32	73.4	182.8	9.92%	4.75%	5.07%	4.58%	-0.49%	4.61%	1.76%	9.57%	4.33%	4.00%	0.95

## **DATA INPUT**

Washington State Department of Revenue 2025 Assessment Year

Electric Industry

										Н	istoric Figures (2	024)		Historic Figures (2024)								
Guideline Companies VL 2	250117	Stock Price 12/31/24	Beta Levered	Fin'l Strength	Revenues Per Share	Cash Flow Per Share	Earnings Per Share	Dividends Per Share	Bk Value Per Share	Mkt/Bk	Common Shares	LTD (BV)	Trailing P/E Ratio	Div Yield	Calculated Debt							
Name	Ticker	Yahoo	VL	VL	VL	VL	VL	VL	VL	Formula	VL	V L	V L	V L	Formula							
Avista Corp	ava	36.63	0.95	Α	23.40	5.85	2.40	1.90	32.75	1.12	79,500,000	2,650,100,000	14.0	5.4%	80.11%							
Black Hills	bkh	58.52	1.05	Α	31.75	7.80	3.90	2.60	48.75	1.20	71,700,000	4,248,800,000	15.2	4.8%	95.50%							
Edison International	eix	79.00	1.05	Α	45.05	12.80	4.95	3.17	40.35	1.96	389,000,000	36,419,000,000	15.2	4.3%	93.19%							
Idacorp Inc	ida	109.28	0.85	Α	35.05	9.50	5.45	3.35	63.55	1.72	53,500,000	3,054,000,000	19.9	3.2%	91.35%							
NorthWestern Energy	nwe	53.46	1.00	B++	24.55	7.00	3.40	2.60	46.35	1.15	61,500,000	2,570,700,000	14.0	5.1%	88.33%							
Pinnacle West Capital	pnw	83.90	1.00	Α	44.50	13.10	5.10	3.55	61.30	1.37	114,000,000	8,056,200,000	15.7	4.3%	89.39%							
TXNM Energy	txnm	48.76	0.90	B++	21.85	6.85	2.75	1.57	27.40	1.78	91,000,000	4,522,700,000	18.0	3.5%	95.59%							
Portland General Electric	por	43.62	0.95	Α	31.40	7.75	3.10	1.98	34.35	1.27	106,000,000	4,633,000,000	12.2	4.9%	87.31%							
Sempra Energy	sre	87.72	1.00	Α	22.30	8.25	4.75	2.48	46.75	1.88	636,000,000	31,853,000,000	19.9	3.1%	91.77%							
Xcel Energy	xel	66.97	0.85	Α	24.55	8.40	3.55	2.19	34.20	1.96	575,000,000	27,471,000,000	18.8	3.5%	88.37%							
Average										1.5			16.3									
Harmonic Mean										1.5			15.9									
Median										1.5			15.5									

					Pı	rojected (Ne	xt Year) 202	25				Longer Ter	m Forecasts	Income Statement	
Payout Ratio	to Net Profits	Shrhldrs Equity	Revenues Per Share		_	Dividends Per Share		to Net Profits	Shrhldrs Equity	Projection 27-29	Projection 27-29	Earnings Growth 27- 29	Dividend Growth 27-29	Operating Income	Current Assets
Formula	V L	V L	V L	V L	V L	V L	V L	VL	V L	V L	VL	VL	VL	Yahoo	Yahoo
79.17%	78%	7.5%	23.45	6.20	2.60	2.00	34.55	76%	7.5%	6.75	2.95	5.5%	4.0%	306,000,000	656,000,000
66.67%	67%	8.0%	33.55	8.25	4.10	2.70	50.35	66%	8.0%	9.55	4.80	4.0%	4.0%	503,100,000	742,300,000
64.04%	68%	11.0%	47.30	13.60	5.50	3.36	40.35	65%	12.0%	15.10	6.75	6.5%	6.0%	2,930,000,000	7,155,000,000
61.47%	62%	9.0%	36.75	10.20	5.80	3.52	66.60	61%	9.0%	12.25	7.10	6.0%	5.5%	327,839,000	988,455,000
76.47%	76%	7.5%	25.80	7.45	3.70	2.64	47.50	71%	8.0%	8.55	4.25	4.5%	1.5%	323,321,000	418,186,000
69.61%	69%	8.5%	43.20	12.95	4.80	3.61	61.20	75%	7.5%	15.35	6.00	4.0%	1.5%	1,012,063,000	1,689,404,000
57.09%	57%	10.0%	22.85	7.25	2.85	1.65	28.80	58%	10.0%	8.65	3.35	4.0%	5.5%	462,466,000	498,836,000
63.87%	64%	9.0%	32.75	8.10	3.25	2.08	35.90	64%	9.0%	9.45	3.85	5.5%	5.5%	512,000,000	1,025,000,000
52.21%	53%	10.0%	25.25	8.90	5.10	2.58	49.50	51%	10.0%	10.75	6.30	6.0%	6.0%	2,962,000,000	5,285,000,000
61.69%	62%	10.0%	27.05	9.10	3.80	2.30	36.00	60%	10.5%	10.95	4.55	6.5%	6.0%	2,386,000,000	4,325,000,000
	65.6%	9.1%	_		_	_		64.7%	9.15%	10.74		<u> </u>	_		
	64.8%	8.9%						63.8%	8.95%	10.12					
	65.5%	9.0%						64.5%	9.00%	10.15					

	<b>Balance Sheet</b>			Cash Flow Statement	Other Fi	nancials
Gross PPE	Assets (excl. GW)	Current Liabilities	Long Term Debt Less Current Maturities	Depreciation & Amortization	Carrying Value Debt	Fair Value Debt
Yahoo	Yahoo	Yahoo	Yahoo	Yahoo	10-K	10-K
8,550,000,000	18,000,000	771,000,000	2,666,000,000	274,000,000	2,725,000,000	2,183,000,000
9,566,500,000	7,600,000	763,400,000	4,250,200,000	270,100,000	4,250,200,000	4,059,100,000
74,765,000,000		8,439,000,000	33,534,000,000	2,939,000,000	35,583,000,000	33,160,000,000
9,232,024,000		700,801,000	3,053,777,000	228,091,000	3,073,662,000	2,807,803,000
8,778,105,000		802,200,000	2,695,343,000	227,635,000	2,995,293,000	2,645,779,000
29,624,266,000		2,843,797,000	8,058,648,000	956,184,000	8,858,648,000	7,918,992,000
11,596,275,000		1,775,098,000	4,311,765,000	423,010,000	4,923,368,000	4,706,076,000
15,430,000,000		1,119,000,000	4,354,000,000	496,000,000	4,539,000,000	3,963,000,000
81,574,000,000	292,000,000	9,676,000,000	31,558,000,000	2,437,000,000	32,899,000,000	30,193,000,000
82,319,000,000		6,459,000,000	27,316,000,000	2,875,000,000	28,419,000,000	25,115,000,000

Company Avi

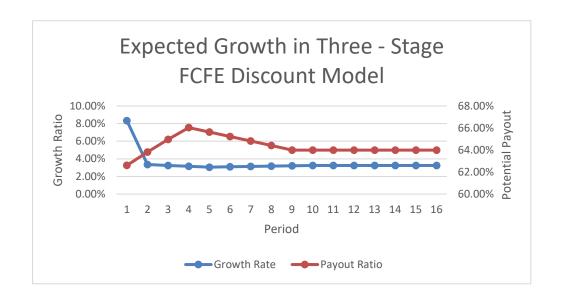
Avista Corp

4.10% GDP

15.8 Industry P/E

64.0% Target Dividend Payout Ratio

Historic	<b>Year</b> 0	Rate	Rate	Ratio				
Historic	0			Natio	Earnings	FCFE	Value	Flow
			92.59%	7.41%	2.40			(36.63)
	1	8.33%	37.39%	62.61%	2.60	1.63		1.63
	2	3.37%	36.18%	63.82%	2.69	1.72		1.72
Stage 1	3	3.26%	35.04%	64.96%	2.78	1.80		1.80
	4	3.15%	33.96%	66.04%	2.86	1.89		1.89
	5	3.06%	34.37%	65.63%	2.95	1.94		1.94
	6	3.09%	34.78%	65.22%	3.04	1.98		1.98
	7	3.13%	35.19%	64.81%	3.14	2.03		2.03
Stage 2	8	3.17%	35.59%	64.41%	3.24	2.08		2.08
	9	3.20%	36.00%	64.00%	3.34	2.14		2.14
	10	3.24%	36.00%	64.00%	3.45	2.21	56.24	58.44
Stage 3	11+	3.24%	36.00%	64.00%	3.56	2.28		
							K <sub>e</sub> =	8.75%

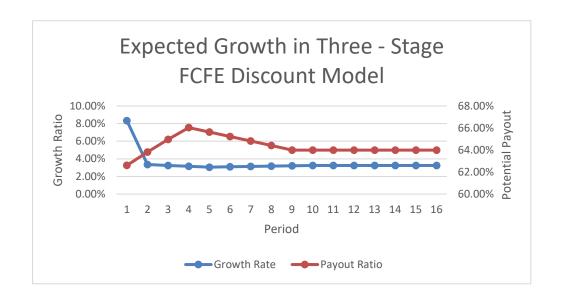


Company Black Hills
Ticker bkh

4.10% GDP 15.8 Industry P/E

64.0% Target Dividend Payout Ratio

		Growth	Reinvestment	Payout			Terminal	Cash
	Year	Rate	Rate	Ratio	Earnings	FCFE	Value	Flow
Historic	0		56.98%	43.02%	3.90			(58.52)
	1	5.13%	47.43%	52.57%	4.10	2.16		2.16
	2	4.27%	45.48%	54.52%	4.28	2.33		2.33
Stage 1	3	4.09%	43.70%	56.30%	4.45	2.51		2.51
	4	3.93%	42.04%	57.96%	4.63	2.68		2.68
	5	3.78%	40.83%	59.17%	4.80	2.84		2.84
	6	3.68%	39.63%	60.37%	4.98	3.00		3.00
	7	3.57%	38.42%	61.58%	5.15	3.17		3.17
Stage 2	8	3.46%	37.21%	62.79%	5.33	3.35		3.35
	9	3.35%	36.00%	64.00%	5.51	3.53		3.53
	10	3.24%	36.00%	64.00%	5.69	3.64	92.80	96.44
Stage 3	11+	3.24%	36.00%	64.00%	5.87	3.76		
	·	·					K <sub>e</sub> =	8.71%



Company Edison Internati eix

4.10% GDP

Ticker

15.8 Industry P/E

64.0% Target Dividend Payout Ratio

		Growth	Reinvestment	Payout			Terminal	Cash
	Year	Rate	Rate	Ratio	Earnings	FCFE	Value	Flow
Historic	0		123.46%	-23.46%	4.95			(79.00)
	1	11.11%	63.13%	36.87%	5.50	2.03		2.03
	2	5.68%	59.74%	40.26%	5.81	2.34		2.34
Stage 1	3	5.38%	56.69%	43.31%	6.13	2.65		2.65
	4	5.10%	53.94%	46.06%	6.44	2.97		2.97
	5	4.85%	50.35%	49.65%	6.75	3.35		3.35
	6	4.53%	46.76%	53.24%	7.06	3.76		3.76
	7	4.21%	43.17%	56.83%	7.35	4.18		4.18
Stage 2	8	3.89%	39.59%	60.41%	7.64	4.61		4.61
	9	3.56%	36.00%	64.00%	7.91	5.06		5.06
	10	3.24%	36.00%	64.00%	8.17	5.23	133.22	138.45
Stage 3	11+	3.24%	36.00%	64.00%	8.43	5.40		
							K <sub>e</sub> =	8.81%

Ticker

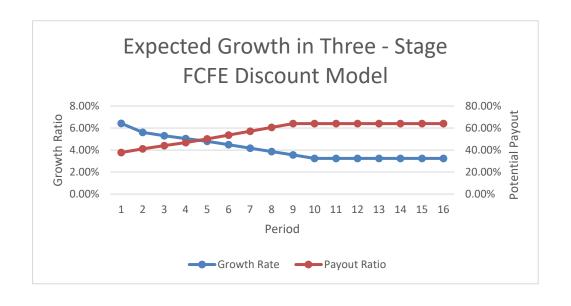
Company Idacorp Inc ida

4.10% GDP

15.8 Industry P/E

64.0% Target Dividend Payout Ratio

		Growth	Reinvestment	Payout			Terminal	Cash
	Year	Rate	Rate	Ratio	Earnings	FCFE	Value	Flow
Historic	0		71.36%	28.64%	5.45			(109.28)
	1	6.42%	62.26%	37.74%	5.80	2.19		2.19
	2	5.60%	58.96%	41.04%	6.13	2.51		2.51
Stage 1	3	5.31%	55.99%	44.01%	6.45	2.84		2.84
	4	5.04%	53.30%	46.70%	6.78	3.16		3.16
	5	4.80%	49.84%	50.16%	7.10	3.56		3.56
	6	4.49%	46.38%	53.62%	7.42	3.98		3.98
	7	4.17%	42.92%	57.08%	7.73	4.41		4.41
Stage 2	8	3.86%	39.46%	60.54%	8.03	4.86		4.86
	9	3.55%	36.00%	64.00%	8.31	5.32		5.32
	10	3.24%	36.00%	64.00%	8.58	5.49	139.97	145.46
Stage 3	11+	3.24%	36.00%	64.00%	8.86	5.67		
							K <sub>e</sub> =	5.53%



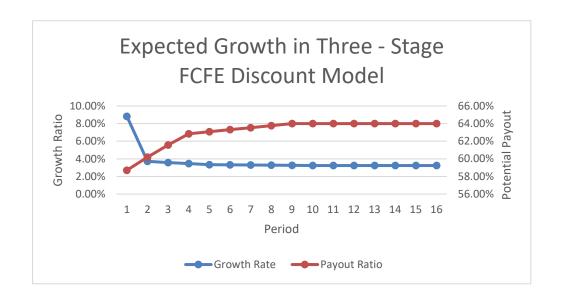
Company NorthWestern I Ticker nwe

4.10% GDP

15.8 Industry P/E

64.0% Target Dividend Payout Ratio

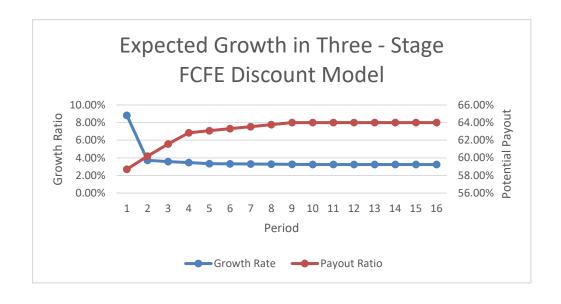
	Growth	Reinvestment	Payout			Terminal	Cash
Year	Rate	Rate	Ratio	Earnings	FCFE	Value	Flow
0		98.04%	1.96%	3.40			(53.46)
1	8.82%	41.29%	58.71%	3.70	2.17		2.17
2	3.72%	39.81%	60.19%	3.84	2.31		2.31
3	3.58%	38.43%	61.57%	3.98	2.45		2.45
4	3.46%	37.15%	62.85%	4.11	2.58		2.58
5	3.34%	36.92%	63.08%	4.25	2.68		2.68
6	3.32%	36.69%	63.31%	4.39	2.78		2.78
7	3.30%	36.46%	63.54%	4.54	2.88		2.88
8	3.28%	36.23%	63.77%	4.69	2.99		2.99
9	3.26%	36.00%	64.00%	4.84	3.10		3.10
10	3.24%	36.00%	64.00%	4.99	3.20	81.47	84.67
11+	3.24%	36.00%	64.00%	5.16	3.30		
						K <sub>e</sub> =	8.47%
	0 1 2 3 4 5 6 7 8 9	Year         Rate           0         1           1         8.82%           2         3.72%           3         3.58%           4         3.46%           5         3.34%           6         3.32%           7         3.30%           8         3.28%           9         3.26%           10         3.24%	Year         Rate         Rate           0         98.04%           1         8.82%         41.29%           2         3.72%         39.81%           3         3.58%         38.43%           4         3.46%         37.15%           5         3.34%         36.92%           6         3.32%         36.69%           7         3.30%         36.46%           8         3.28%         36.23%           9         3.26%         36.00%           10         3.24%         36.00%	Year         Rate         Rate         Ratio           0         98.04%         1.96%           1         8.82%         41.29%         58.71%           2         3.72%         39.81%         60.19%           3         3.58%         38.43%         61.57%           4         3.46%         37.15%         62.85%           5         3.34%         36.92%         63.08%           6         3.32%         36.69%         63.31%           7         3.30%         36.46%         63.54%           8         3.28%         36.23%         63.77%           9         3.26%         36.00%         64.00%           10         3.24%         36.00%         64.00%	Year         Rate         Rate         Ratio         Earnings           0         98.04%         1.96%         3.40           1         8.82%         41.29%         58.71%         3.70           2         3.72%         39.81%         60.19%         3.84           3         3.58%         38.43%         61.57%         3.98           4         3.46%         37.15%         62.85%         4.11           5         3.34%         36.92%         63.08%         4.25           6         3.32%         36.69%         63.31%         4.39           7         3.30%         36.46%         63.54%         4.54           8         3.28%         36.23%         63.77%         4.69           9         3.26%         36.00%         64.00%         4.84           10         3.24%         36.00%         64.00%         4.99	Year         Rate         Rate         Ratio         Earnings         FCFE           0         98.04%         1.96%         3.40           1         8.82%         41.29%         58.71%         3.70         2.17           2         3.72%         39.81%         60.19%         3.84         2.31           3         3.58%         38.43%         61.57%         3.98         2.45           4         3.46%         37.15%         62.85%         4.11         2.58           5         3.34%         36.92%         63.08%         4.25         2.68           6         3.32%         36.69%         63.31%         4.39         2.78           7         3.30%         36.46%         63.54%         4.54         2.88           8         3.28%         36.23%         63.77%         4.69         2.99           9         3.26%         36.00%         64.00%         4.84         3.10           10         3.24%         36.00%         64.00%         4.99         3.20	Year         Rate         Rate         Ratio         Earnings         FCFE         Value           0         98.04%         1.96%         3.40



Company Pinnacle West ( 4.10% GDP Ticker pnw 15.8 Industry P/E

64.0% Target Dividend Payout Ratio

	Growth		Reinvestment	Payout			Terminal	Cash
	Year	Rate	Rate	Ratio	Earnings	FCFE	Value	Flow
Historic	0		-65.36%	165.36%	5.10			(83.90)
	1	-5.88%	69.44%	30.56%	4.80	1.47		1.47
	2	6.25%	65.36%	34.64%	5.10	1.77		1.77
Stage 1	3	5.88%	61.73%	38.27%	5.40	2.07		2.07
	4	5.56%	58.48%	41.52%	5.70	2.37		2.37
	5	5.26%	53.98%	46.02%	6.00	2.76		2.76
	6	4.86%	49.49%	50.51%	6.29	3.18		3.18
	7	4.45%	44.99%	55.01%	6.57	3.61		3.61
Stage 2	8	4.05%	40.50%	59.50%	6.84	4.07		4.07
	9	3.64%	36.00%	64.00%	7.09	4.54		4.54
	10	3.24%	36.00%	64.00%	7.32	4.68	119.35	124.03
Stage 3	11+	3.24%	36.00%	64.00%	7.55	4.83		
							K <sub>e</sub> =	6.53%
Juge 3	11.	3.2470	30.0070	04.0070	7.55	7.03	K <sub>e</sub> =	6.53



Company Ticker

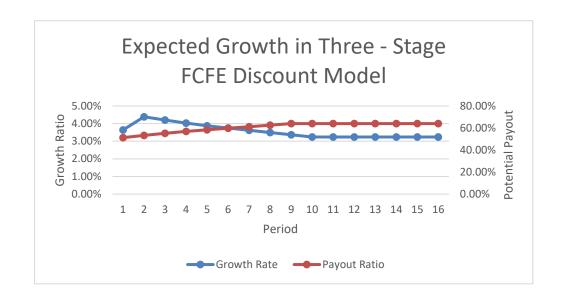
TXNM Energy txnm

4.10% GDP

15.8 Industry P/E

64.0% Target Dividend Payout Ratio

		Growth	Reinvestment	Payout			Terminal	Cash
	Year	Rate	Rate	Ratio	Earnings	FCFE	Value	Flow
Historic	0		40.40%	59.60%	2.75			(48.76)
	1	3.64%	48.73%	51.27%	2.85	1.46		1.46
	2	4.39%	46.69%	53.31%	2.98	1.59		1.59
Stage 1	3	4.20%	44.80%	55.20%	3.10	1.71		1.71
	4	4.03%	43.07%	56.93%	3.23	1.84		1.84
	5	3.88%	41.65%	58.35%	3.35	1.95		1.95
	6	3.75%	40.24%	59.76%	3.48	2.08		2.08
	7	3.62%	38.83%	61.17%	3.60	2.20		2.20
Stage 2	8	3.49%	37.41%	62.59%	3.73	2.33		2.33
	9	3.37%	36.00%	64.00%	3.85	2.47		2.47
	10	3.24%	36.00%	64.00%	3.98	2.55	64.88	67.43
Stage 3	11+	3.24%	36.00%	64.00%	4.11	2.63		
							K <sub>e</sub> =	6.46%
Stage 3				64.00%		2.63		



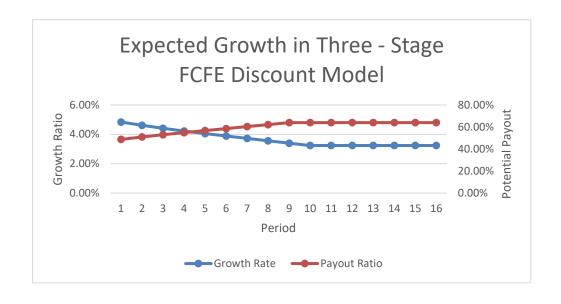
Company Portland Generation

4.10% GDP

15.8 Industry P/E

64.0% Target Dividend Payout Ratio

		Growth	Reinvestment	Payout			Terminal	Cash
	Year	Rate	Rate	Ratio	Earnings	FCFE	Value	Flow
Historic	0		53.76%	46.24%	3.10			(43.62)
	1	4.84%	51.28%	48.72%	3.25	1.58		1.58
	2	4.62%	49.02%	50.98%	3.40	1.73		1.73
Stage 1	3	4.41%	46.95%	53.05%	3.55	1.88		1.88
	4	4.23%	45.05%	54.95%	3.70	2.03		2.03
	5	4.05%	43.24%	56.76%	3.85	2.19		2.19
	6	3.89%	41.43%	58.57%	4.00	2.34		2.34
	7	3.73%	39.62%	60.38%	4.15	2.51		2.51
Stage 2	8	3.57%	37.81%	62.19%	4.30	2.67		2.67
	9	3.40%	36.00%	64.00%	4.44	2.84		2.84
	10	3.24%	36.00%	64.00%	4.59	2.94	74.82	77.76
Stage 3	11+	3.24%	36.00%	64.00%	4.74	3.03		
							K <sub>e</sub> =	9.54%



Ticker

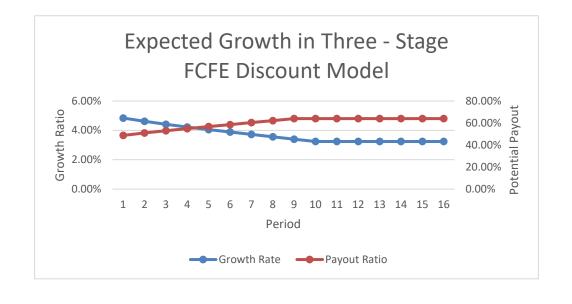
Company Sempra Energy sre

4.10% GDP

15.8 Industry P/E

64.0% Target Dividend Payout Ratio

		Growth	Reinvestment	Payout			Terminal	Cash
	Year	Rate	Rate	Ratio	Earnings	FCFE	Value	Flow
Historic	0		81.87%	18.13%	4.75			(87.72)
	1	7.37%	65.36%	34.64%	5.10	1.77		1.77
	2	5.88%	61.73%	38.27%	5.40	2.07		2.07
Stage 1	3	5.56%	58.48%	41.52%	5.70	2.37		2.37
	4	5.26%	55.56%	44.44%	6.00	2.67		2.67
	5	5.00%	51.64%	48.36%	6.30	3.05		3.05
	6	4.65%	47.73%	52.27%	6.59	3.45		3.45
	7	4.30%	43.82%	56.18%	6.88	3.86		3.86
Stage 2	8	3.94%	39.91%	60.09%	7.15	4.29		4.29
	9	3.59%	36.00%	64.00%	7.40	4.74		4.74
	10	3.24%	36.00%	64.00%	7.64	4.89	124.69	129.58
Stage 3	11+	3.24%	36.00%	64.00%	7.89	5.05		
	·					·	K <sub>e</sub> =	6.66%



Company Xcel Energy Ticker xel

4.10% GDP

15.8 Industry P/E

64.0% Target Dividend Payout Ratio

Growth		Reinvestment	Payout			Terminal	Cash
Year	Rate	Rate	Ratio	Earnings	FCFE	Value	Flow
0		78.25%	21.75%	3.55			(66.97)
1	7.04%	54.82%	45.18%	3.80	1.72		1.72
2	4.93%	52.25%	47.75%	3.99	1.90		1.90
3	4.70%	49.90%	50.10%	4.18	2.09		2.09
4	4.49%	47.76%	52.24%	4.36	2.28		2.28
5	4.30%	45.40%	54.60%	4.55	2.48		2.48
6	4.09%	43.05%	56.95%	4.74	2.70		2.70
7	3.87%	40.70%	59.30%	4.92	2.92		2.92
8	3.66%	38.35%	61.65%	5.10	3.14		3.14
9	3.45%	36.00%	64.00%	5.28	3.38		3.38
10	3.24%	36.00%	64.00%	5.45	3.49	88.84	92.33
11+	3.24%	36.00%	64.00%	5.62	3.60		
						K <sub>e</sub> =	6.20%
	0 1 2 3 4 5 6 7 8 9	Year         Rate           0         1           1         7.04%           2         4.93%           3         4.70%           4         4.49%           5         4.30%           6         4.09%           7         3.87%           8         3.66%           9         3.45%           10         3.24%	Year         Rate         Rate           0         78.25%           1         7.04%         54.82%           2         4.93%         52.25%           3         4.70%         49.90%           4         4.49%         47.76%           5         4.30%         45.40%           6         4.09%         43.05%           7         3.87%         40.70%           8         3.66%         38.35%           9         3.45%         36.00%           10         3.24%         36.00%	Year         Rate         Rate         Ratio           0         78.25%         21.75%           1         7.04%         54.82%         45.18%           2         4.93%         52.25%         47.75%           3         4.70%         49.90%         50.10%           4         4.49%         47.76%         52.24%           5         4.30%         45.40%         54.60%           6         4.09%         43.05%         56.95%           7         3.87%         40.70%         59.30%           8         3.66%         38.35%         61.65%           9         3.45%         36.00%         64.00%           10         3.24%         36.00%         64.00%	Year         Rate         Rate         Ratio         Earnings           0         78.25%         21.75%         3.55           1         7.04%         54.82%         45.18%         3.80           2         4.93%         52.25%         47.75%         3.99           3         4.70%         49.90%         50.10%         4.18           4         4.49%         47.76%         52.24%         4.36           5         4.30%         45.40%         54.60%         4.55           6         4.09%         43.05%         56.95%         4.74           7         3.87%         40.70%         59.30%         4.92           8         3.66%         38.35%         61.65%         5.10           9         3.45%         36.00%         64.00%         5.28           10         3.24%         36.00%         64.00%         5.45	Year         Rate         Rate         Ratio         Earnings         FCFE           0         78.25%         21.75%         3.55           1         7.04%         54.82%         45.18%         3.80         1.72           2         4.93%         52.25%         47.75%         3.99         1.90           3         4.70%         49.90%         50.10%         4.18         2.09           4         4.49%         47.76%         52.24%         4.36         2.28           5         4.30%         45.40%         54.60%         4.55         2.48           6         4.09%         43.05%         56.95%         4.74         2.70           7         3.87%         40.70%         59.30%         4.92         2.92           8         3.66%         38.35%         61.65%         5.10         3.14           9         3.45%         36.00%         64.00%         5.28         3.38           10         3.24%         36.00%         64.00%         5.45         3.49	Year         Rate         Rate         Ratio         Earnings         FCFE         Value           0         78.25%         21.75%         3.55

