

**BEFORE THE WASHINGTON  
UTILITIES & TRANSPORTATION COMMISSION**

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,

Complainant,

v.

AVISTA CORPORATION d/b/a AVISTA UTILITIES,

Respondent.

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DOCKET NOS. UE-200900 and UG-200901 (*Consolidated*)

**J. RANDALL WOOLRIDGE**

**ON BEHALF OF THE  
WASHINGTON STATE OFFICE OF THE ATTORNEY GENERAL  
PUBLIC COUNSEL UNIT**

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**EXHIBIT JRW-8**

Discounted Cash Flow (DCF) Study

**April 21, 2021**

## DCF Study

**Panel A**  
**Electric Proxy Group**

<b>Dividend Yield*</b>	<b>3.70%</b>
<b>Adjustment Factor</b>	<b><u>1.02625</u></b>
<b>Adjusted Dividend Yield</b>	<b>3.80%</b>
<b>Growth Rate**</b>	<b><u>5.25%</u></b>
<b>Equity Cost Rate</b>	<b>9.05%</b>

\* Page 2 of Exhibit JRW-8

\*\* Based on data provided on pages 3, 4, 5, and 6 of Exhibit JRW-8

**Panel B**  
**McKenzie Proxy Group**

<b>Dividend Yield*</b>	<b>3.70%</b>
<b>Adjustment Factor</b>	<b><u>1.02625</u></b>
<b>Adjusted Dividend Yield</b>	<b>3.80%</b>
<b>Growth Rate**</b>	<b><u>5.25%</u></b>
<b>Equity Cost Rate</b>	<b>9.05%</b>

\* Page 2 of Exhibit JRW-8

\*\* Based on data provided on pages 3, 4, 5, and 6 of Exhibit JRW-8

**Panel C**  
**Gas Proxy Group**

<b>Dividend Yield*</b>	<b>3.60%</b>
<b>Adjustment Factor</b>	<b><u>1.025</u></b>
<b>Adjusted Dividend Yield</b>	<b>3.69%</b>
<b>Growth Rate**</b>	<b><u>5.00%</u></b>
<b>Equity Cost Rate</b>	<b>8.69%</b>

\* Page 2 of Exhibit JRW-8

\*\* Based on data provided on pages 3, 4, 5, and 6 of Exhibit JRW-8

DCF Study  
 Dividend Yields

Panel A  
 Electric Proxy Group\*

Company		Annual Dividend	Dividend Yield 30 Day	Dividend Yield 90 Day	Dividend Yield 180 Day
ALLETE, Inc. (NYSE-ALE)	ALE	2.52	3.8%	4.0%	4.2%
Alliant Energy Corporation (NYSE-LNT)	LNT	1.52	3.0%	3.0%	2.9%
Ameren Corporation (NYSE-AEE)	AEE	2.06	2.7%	2.7%	2.6%
American Electric Power Co. (NYSE-AEP)	AEP	2.96	3.7%	3.6%	3.6%
Avista Corporation (NYSE-AVA)	AVA	1.69	3.9%	4.2%	4.4%
CMS Energy Corporation (NYSE-CMS)	CMS	1.74	3.0%	3.0%	2.9%
Consolidated Edison, Inc. (NYSE-ED)	ED	3.1	4.4%	4.3%	4.2%
Dominion Energy Inc. (NYSE-D)	D	2.52	3.5%	3.4%	3.3%
Duke Energy Corporation (NYSE-DUK)	DUK	3.86	4.2%	4.2%	4.3%
Edison International (NYSE-EIX)	EIX	2.65	4.6%	4.4%	4.6%
Entergy Corporation (NYSE-ETR)	ETR	3.8	4.0%	3.9%	3.8%
Evergy, Inc. (NYSE-EVRG)	EVRG	2.14	3.8%	3.9%	3.9%
Eversource Energy (NYSE-ES)	ES	2.41	2.9%	2.8%	2.8%
Hawaiian Electric Industries (NYSE-HE)	HE	1.36	3.4%	3.7%	3.8%
IDACORP, Inc. (NYSE-IDA)	IDA	2.84	3.0%	3.1%	3.1%
MGE Energy, Inc. (NYSE-MGEE)	MGEE	1.48	2.2%	2.2%	2.2%
NextEra Energy, Inc. (NYSE-NEE)	NEE	1.54	2.1%	2.0%	2.1%
NorthWestern Corporation (NYSE-NWE)	NWE	2.48	4.0%	4.2%	4.4%
OGE Energy Corp. (NYSE-OGE)	OGE	1.61	5.1%	5.1%	5.1%
Otter Tail Corporation (NDQ-OTTR)	OTTR	1.56	3.5%	3.7%	3.8%
Pinnacle West Capital Corp. (NYSE-PNW)	PNW	3.32	4.3%	4.2%	4.2%
Portland General Electric Company (NYSE-POR)	POR	1.63	3.6%	3.8%	3.9%
PPL Corporation (NYSE-PPL)	PPL	1.66	5.9%	5.9%	5.9%
SEMPRA Energy (NYSE-SRE)	SRE	4.4	3.5%	3.5%	3.5%
Southern Company (NYSE-SO)	SO	2.56	4.3%	4.3%	4.4%
WEC Energy Group (NYSE-WEC)	WEC	2.71	3.1%	3.0%	2.9%
Xcel Energy Inc. (NYSE-XEL)	XEL	1.72	2.7%	2.7%	2.6%
Mean			3.6%	3.7%	3.7%
Median			3.6%	3.7%	3.8%

Data Sources: <http://quote.yahoo.com>, April, 2021.

Panel B  
 McKenzie Proxy Group

Company		Annual Dividend	Dividend Yield 30 Day	Dividend Yield 90 Day	Dividend Yield 180 Day
ALLETE, Inc. (NYSE-ALE)	ALE	\$2.52	3.8%	4.0%	4.2%
Ameren Corporation (NYSE-AEE)	AEE	\$2.06	2.7%	2.7%	2.6%
Avista Corporation (NYSE-AVA)	AVA	\$1.69	3.9%	4.2%	4.4%
Black Hills Corporation (NYSE-BKH)	BKH	\$2.26	3.5%	3.7%	3.8%
CMS Energy Corporation (NYSE-CMS)	CMS	\$1.74	3.0%	3.0%	2.9%
DTE Energy Company (NYSE-DTE)	DTE	4.34	3.4%	3.5%	3.6%
Edison International (NYSE-EIX)	EIX	\$2.65	4.6%	4.4%	4.6%
Entergy Corporation (NYSE-ETR)	ETR	\$3.80	4.0%	3.9%	3.8%
IDACORP, Inc. (NYSE-IDA)	IDA	\$2.84	3.0%	3.1%	3.1%
NorthWestern Corporation (NYSE-NWE)	NWE	\$2.48	4.0%	4.2%	4.4%
OGE Energy Corp. (NYSE-OGE)	OGE	\$1.61	5.1%	5.1%	5.1%
Otter Tail Corporation (NDQ-OTTR)	OTTR	\$1.56	3.5%	3.7%	3.8%
SEMPRA Energy (NYSE-SRE)	SRE	\$4.40	3.5%	3.5%	3.5%
Mean			3.9%	3.8%	3.9%
Median			3.5%	3.7%	3.8%

Data Sources: <http://quote.yahoo.com>, April, 2021.

Panel C  
 Gas Proxy Group

Company		Annual Dividend	Dividend Yield 30 Day	Dividend Yield 90 Day	Dividend Yield 180 Day
Atmos Energy Corporation (NYSE-AWR)	ATO	\$2.50	2.7%	2.7%	2.6%
Chesapeake Utilities Corp. (NYSE-CPK)	CPK	\$1.76	1.6%	1.6%	1.8%
New Jersey Resources Corp. (NYSE-NJR)	NJR	\$1.33	3.3%	3.6%	3.9%
NiSource Inc. (NYSE-NI)	NI	\$0.88	3.8%	3.9%	3.8%
Northwest Natural Gas Co. (NYSE-NWN)	NWN	\$1.92	3.7%	4.0%	4.0%
One Gas, Inc. (NYSE-OGS)	OGS	\$2.32	3.2%	3.1%	3.1%
South Jersey Industries, Inc. (NYSE-SJI)	SJI	\$1.21	4.9%	5.2%	5.4%
Southwest Gas Corporation (NYSE-SWX)	SWX	\$2.38	3.6%	3.7%	3.7%
Spire (NYSE-SR)	SR	\$2.60	3.6%	3.9%	4.2%
Mean			3.4%	3.5%	3.6%
Median			3.6%	3.7%	3.8%

Data Sources: <http://quote.yahoo.com>, April, 2021.

## DCF Study

DCF Equity Cost Growth Rate Measures  
Value Line Historic Growth RatesPanel A  
Electric Proxy Group

Company	Value Line Historic Growth					
	Past 10 Years			Past 5 Years		
	Earnings	Dividends	Book Value	Earnings	Dividends	Book Value
ALLETE, Inc. (NYSE-ALE)	4.0	3.0	5.0	2.5	3.5	4.5
Alliant Energy Corporation (NYSE-LNT)	6.0	7.0	4.5	6.0	7.0	5.5
Ameren Corporation (NYSE-AEE)	2.0	0.5		8.0	3.5	3.5
American Electric Power Co. (NYSE-AEP)	3.0	4.5	4.0	4.0	5.5	3.0
Avista Corporation (NYSE-AVA)	6.5	8.0	4.0	7.0	4.0	4.5
CMS Energy Corporation (NYSE-CMS)	7.5	11.5	5.0	7.0	7.0	5.5
Consolidated Edison, Inc. (NYSE-ED)	2.5	2.0	4.0	2.0	3.0	4.5
Dominion Energy Inc. (NYSE-D)	1.5	7.5	6.0		8.0	9.5
Duke Energy Corporation (NYSE-DUK)	3.0	3.0	2.0	2.5	3.0	1.0
Edison International (NYSE-EIX)	-3.5	7.0	2.0	-10.5	11.5	2.5
Entergy Corporation (NYSE-ETR)		1.5	1.0	3.0	2.0	-1.0
Evergy, Inc. (NYSE-EVRG)						
Eversource Energy (NYSE-ES)	6.0	9.0	6.5	7.0	7.0	3.5
Hawaiian Electric Industries (NYSE-HE)	6.0		2.5	2.0		3.5
IDACORP, Inc. (NYSE-IDA)	7.0	7.0	5.5	4.0	9.0	5.0
MGE Energy, Inc. (NYSE-MGEE)	5.0	3.5	5.5	3.0	4.5	6.0
Nextera Energy, Inc. (NYSE-NEE)	6.5	9.5	9.0	7.0	11.0	10.5
NorthWestern Corporation (NYSE-NWE)	7.0	5.5	6.0	6.0	7.5	7.0
OGE Energy Corp. (NYSE-OGE)	4.5	7.5	6.0	3.0	9.5	4.0
Otter Tail Corporation (NDQ-OTTR)	11.5	1.5	0.5	8.0	3.0	5.0
Pinnacle West Capital Corp. (NYSE-PNW)	6.5	3.0	3.0	5.0	3.5	4.0
Portland General Electric Company (NYSE-POR)	3.5	4.0	3.0	4.0	5.5	3.5
PPL Corporation (NYSE-PPL)	1.0	2.0	1.0	-1.0	2.0	-3.5
Sempra Energy (NYSE-SRE)	2.0	10.0	5.0	4.0	7.5	4.5
Southern Company (NYSE-SO)	3.0	3.5	3.5	3.0	3.5	3.0
WEC Energy Group (NYSE-WEC)	8.0	13.5	7.5	7.5	8.5	8.0
Xcel Energy Inc. (NYSE-XEL)	5.5	5.0	4.5	5.0	6.5	4.5
Mean	4.6	5.6	4.3	4.0	5.9	4.3
Median	5.0	5.0	4.5	4.0	5.5	4.5
Average of Median Figures =				4.8		

Data Source: Value Line Investment Survey.

Panel B  
McKenzie Proxy Group

Company	Value Line Historic Growth					
	Past 10 Years			Past 5 Years		
	Earnings	Dividends	Book Value	Earnings	Dividends	Book Value
ALLETE, Inc. (NYSE-ALE)	4.0	3.0	5.0	2.5	3.5	4.5
Ameren Corporation (NYSE-AEE)	2.0	0.5	0.0	8.0	3.5	3.5
Avista Corporation (NYSE-AVA)	6.5	8.0	4.0	7.0	4.0	4.5
Black Hills Corporation (NYSE-BKH)	7.0	3.5	3.0	7.0	5.0	4.0
CMS Energy Corporation (NYSE-CMS)	7.5	11.5	5	7	7	5.5
DTE Energy Company (NYSE-DTE)	8.0	5.5	4.5	7.5	7.0	5.0
Edison International (NYSE-EIX)	-3.5	7.0	2.0	-10.5	11.5	2.5
Entergy Corporation (NYSE-ETR)	0.0	1.5	1.0	3.0	2.0	-1.0
IDACORP, Inc. (NYSE-IDA)	7.0	7.0	5.5	4.0	9.0	5.0
NorthWestern Corporation (NYSE-NWE)	7.0	5.5	6.0	6.0	7.5	7.0
OGE Energy Corp. (NYSE-OGE)	4.5	7.5	6.0	3.0	9.5	4.0
Otter Tail Corporation (NDQ-OTTR)	11.5	1.5	0.5	8.0	3.0	5.0
SEMPRA Energy (NYSE-SRE)	6.5	3.0	3.0	5.0	3.5	4.0
Mean	5.2	5.0	3.5	4.4	5.8	4.1
Median	6.5	5.5	4.0	6.0	5.0	4.5
Average of Median Figures =				5.3		

Data Source: Value Line Investment Survey.

Panel C  
Gas Proxy Group

Company	Value Line Historical Growth					
	Past 10 Years			Past 5 Years		
	Earnings	Dividends	Book Value	Earnings	Dividends	Book Value
Atmos Energy Company (NYSE-ATO)	8.0	5.0	7.5	9.0	7.5	10.0
Chesapeake Utilities (NYSE-CPK)	9.0	5.5	9.5	8.0	6.5	10.5
New Jersey Resources Corp. (NYSE-NJR)	7.0	7.0	7.0	6.0	6.5	8.5
Nisource Inc (NYSE-NI)	-1.0	-2.0	-3.0	-8.0	-5.0	-7.0
Northwest Natural Gas Co. (NYSE-NWN)	-11.0	2.0	1.5	-17.0	0.5	-0.5
ONE Gas, Inc. (NYSE-OGS)*				9.5	17.0	2.5
South Jersey Industries, Inc. (NYSE-SJI)	1.0	7.5	5.5	-4.0	5.0	3.5
Southwest Gas Company (NYSE-SWX)	8.0	8.5	6.0	4.5	9.5	6.5
Spire (NYSE-SR)	1.5	4.5	7.0	4.5	6.0	5.5
Mean	2.8	4.8	5.1	1.4	5.9	4.4
Median	4.3	5.3	6.5	4.5	6.5	5.5
Average of Median Figures =				5.4		

Data Source: Value Line Investment Survey.

DCF Study

DCF Equity Cost Growth Rate Measures  
 Value Line Projected Growth Rates

Panel A  
 Electric Proxy Group

Company	Value Line			Value Line		
	Projected Growth			Sustainable Growth		
	Est'd. '17-'19 to '23-'25			Return on Equity	Retention Rate	Internal Growth
	Earnings	Dividends	Book Value			
ALLETE, Inc. (NYSE-ALE)	6.0	3.5	3.0	9.0%	38.0%	3.4%
Alliant Energy Corporation (NYSE-LNT)	5.5	6.0	6.0	10.5%	37.0%	3.9%
Ameren Corporation (NYSE-AEE)	6.0	7.0	6.0	10.0%	40.0%	4.0%
American Electric Power Co. (NYSE-AEP)	6.0	5.5	5.5	10.5%	35.0%	3.7%
Avista Corporation (NYSE-AVA)	1.0	4.0	2.5	8.0%	25.0%	2.0%
CMS Energy Corporation (NYSE-CMS)	7.5	7.0	8.0	14.0%	40.0%	5.6%
Consolidated Edison, Inc. (NYSE-ED)	2.5	3.0	3.0	8.0%	33.0%	2.6%
Dominion Energy Inc. (NYSE-D)	7.0	-0.5	3.5	12.0%	31.0%	3.7%
Duke Energy Corporation (NYSE-DUK)	5.0	2.5	2.0	8.5%	30.0%	2.6%
Edison International (NYSE-EIX)	12.0	4.0	4.0	11.0%	40.0%	4.4%
Entergy Corporation (NYSE-ETR)	3.0	4.5	5.0	11.0%	36.0%	4.0%
Evergy, Inc. (NYSE-EVRG)	8.0	5.5	2.5	9.0%	38.0%	3.4%
Eversource Energy (NYSE-ES)	6.5	6.0	5.5	9.5%	39.0%	3.7%
Hawaiian Electric Industries (NYSE-HE)	1.5	2.0	3.5	8.5%	34.0%	2.9%
IDACORP, Inc. (NYSE-IDA)	4.5	6.5	4.0	9.5%	39.0%	3.7%
MGE Energy, Inc. (NYSE-MGEE)	4.5	5.5	5.0	9.5%	40.0%	3.8%
Nextera Energy, Inc. (NYSE-NEE)	10.5	10.5	6.0	12.5%	30.0%	3.8%
NorthWestern Corporation (NYSE-NWE)	2.5	4.0	3.0	9.0%	34.0%	3.1%
OGE Energy Corp. (NYSE-OGE)	4.0	4.5	1.5	13.0%	30.0%	3.9%
Otter Tail Corporation (NDQ-OTTR)	7.0	5.5	5.0	12.5%	39.0%	4.9%
Pinnacle West Capital Corp. (NYSE-PNW)	4.5	6.0	3.5	10.5%	33.0%	3.5%
Portland General Electric Company (NYSE-POR)	4.0	6.0	2.5	9.5%	35.0%	3.3%
PPL Corporation (NYSE-PPL)	2.5	1.5	4.5	12.5%	35.0%	4.4%
Sempra Energy (NYSE-SRE)	11.0	7.5	8.5	11.0%	43.0%	4.7%
Southern Company (NYSE-SO)	3.5	3.0	3.5	13.0%	28.0%	3.6%
WEC Energy Group (NYSE-WEC)	6.5	6.5	4.0	13.0%	35.0%	4.6%
Xcel Energy Inc. (NYSE-XEL)	6.0	6.0	5.5	10.5%	39.0%	4.1%
Mean	5.5	4.9	4.3	10.6%	35.4%	3.7%
Median	5.5	5.5	4.0	10.5%	35.0%	3.7%
Average of Median Figures =		5.0			Median =	3.7%

\* Est'd. '17-'19 to '23-'25' is the estimated growth rate from the base period 2017 to 2019 until the future period 2023 to 2025.  
 Data Source: Value Line Investment Survey.

Panel B  
 McKenzie Proxy Group

Company	Value Line			Value Line		
	Projected Growth			Sustainable Growth		
	Est'd. '18-'20 to '23-'25			Return on Equity	Retention Rate	Internal Growth
	Earnings	Dividends	Book Value			
ALLETE, Inc. (NYSE-ALE)	6.0	3.5	3.0	9.0%	38.0%	3.4%
Ameren Corporation (NYSE-AEE)	6.0	7.0	6.0	10.0%	40.0%	4.0%
Avista Corporation (NYSE-AVA)	1.0	4.0	2.5	8.0%	25.0%	2.0%
Black Hills Corporation (NYSE-BKH)	3.5	6.0	5.0	8.5%	35.0%	3.0%
CMS Energy Corporation (NYSE-CMS)	7.5	7	8	14.0%	40.0%	5.6%
DTE Energy Company (NYSE-DTE)	6.0	6.5	5.5	11.0%	39.0%	4.3%
Edison International (NYSE-EIX)	12.0	4.0	4.0	11.0%	40.0%	4.4%
Entergy Corporation (NYSE-ETR)	3.0	4.5	5.0	11.0%	36.0%	4.0%
IDACORP, Inc. (NYSE-IDA)	4.5	6.5	4.0	9.5%	39.0%	3.7%
NorthWestern Corporation (NYSE-NWE)	2.5	4.0	3.0	9.0%	34.0%	3.1%
OGE Energy Corp. (NYSE-OGE)	4.0	4.5	1.5	13.0%	30.0%	3.9%
Otter Tail Corporation (NDQ-OTTR)	7.0	5.5	5.0	12.5%	39.0%	4.9%
Sempra Energy (NYSE-SRE)	11.0	7.5	8.5	11.0%	43.0%	4.7%
Mean	5.7	5.4	4.7	10.6%	36.8%	3.9%
Median	6.0	5.5	5.0	11.0%	39.0%	4.0%
Average of Median Figures =		5.5			Median =	4.0%

\* Est'd. '17-'19 to '23-'25' is the estimated growth rate from the base period 2017 to 2019 until the future period 2023 to 2025.

Gas Proxy Group

Company	Value Line			Value Line		
	Projected Growth			Sustainable Growth		
	Est'd. '18-'20 to '24-'26			Return on Equity	Retention Rate	Internal Growth
	Earnings	Dividends	Book Value			
Atmos Energy Company (NYSE-ATO)	7.0	7.5	10.5	7.5%	49.0%	3.7%
Chesapeake Utilities (NYSE-CPK)	8.5	8.0	7.0	11.0%	57.0%	6.3%
New Jersey Resources Corp. (NYSE-NJR)	1.5	5.5	5.0	10.5%	33.0%	3.5%
Nisource Inc (NYSE-NI)	10.0	4.5	4.5	11.5%	51.0%	5.9%
Northwest Natural Gas Co. (NYSE-NWN)	5.5	0.5	8.0	7.0%	36.0%	2.5%
ONE Gas, Inc. (NYSE-OGS)	6.5	7.0	4.5	9.5%	41.0%	3.9%
South Jersey Industries, Inc. (NYSE-SJI)	10.5	4.0	5.0	11.5%	38.0%	4.4%
Southwest Gas Company (NYSE-SWX)	8.0	4.5	6.0	9.5%	54.0%	5.1%
Spire (NYSE-SR)	9.0	4.5	8.5	7.0%	35.0%	2.5%
Mean	7.4	5.1	6.6	9.4%	43.8%	4.2%
Median	8.0	4.5	6.0	9.5%	41.0%	3.9%
Average of Median Figures =		6.2			Median =	3.9%

\* Est'd. '18-'20 to '24-'26' is the estimated growth rate from the base period 2018 to 2020 until the future period 2024 to 2026.

## DCF Study

DCF Equity Cost Growth Rate Measures  
Analysts Projected EPS Growth Rate EstimatesPanel A  
Electric Proxy Group

Company	Yahoo	Zacks	S&P	Mean
ALLETE, Inc. (NYSE-ALE)	7.0%	N/A	6.0%	6.5%
Alliant Energy Corporation (NYSE-LNT)	5.7%	5.8%	5.8%	5.8%
Ameren Corporation (NYSE-AEE)	7.5%	7.3%	7.0%	7.3%
American Electric Power Co. (NYSE-AEP)	6.2%	5.7%	6.0%	6.0%
Avista Corp (NYSE-AVA)	6.9%	6.9%	5.0%	6.3%
CMS Energy Corporation (NYSE-CMS)	7.2%	7.0%	7.0%	7.0%
Consolidated Edison, Inc. (NYSE-ED)	3.0%	2.0%	2.0%	2.3%
Dominion Energy Inc. (NYSE-D)	2.8%	6.7%	6.5%	5.3%
Duke Energy Corporation (NYSE-DUK)	5.0%	5.2%	5.0%	5.1%
Edison International (NYSE-EIX)	-0.5%	4.3%	4.7%	2.8%
Entergy Corporation (NYSE-ETR)	5.5%	5.1%	5.8%	5.5%
Eversource Energy (NYSE-ES)	7.1%	6.8%	7.0%	6.9%
Hawaiian Electric Industries (NYSE-HE)	1.3%	2.5%	4.2%	2.7%
IDACORP, Inc. (NYSE-IDA)	2.6%	2.6%	2.8%	2.7%
MGE Energy, Inc. (NYSE-MGEE)	4.7%	4.7%	4.7%	4.7%
Nextera Energy, Inc. (NYSE-NEE)	8.6%	7.8%	7.8%	8.1%
NorthWestern Corporation (NYSE-NWE)	4.6%	4.4%	4.8%	4.6%
OGE Energy Corp. (NYSE-OGE)	3.8%	4.4%	2.7%	3.6%
Otter Tail Corporation (NDQ-OTTR)	9.0%	N/A	5.4%	7.2%
Pinnacle West Capital Corp. (NYSE-PNW)	3.5%	3.4%	5.0%	4.0%
Portland General Electric Company (NYSE-POR)	13.4%	13.4%	4.9%	10.5%
PPL Corporation (NYSE-PPL)	N/A	N/A	3.3%	3.3%
Sempra Energy (NYSE-SRE)	6.1%	6.0%	6.0%	6.1%
Southern Company (NYSE-SO)	6.5%	5.0%	6.0%	5.8%
WEC Energy Group (NYSE-WEC)	6.1%	6.1%	6.1%	6.1%
Xcel Energy Inc. (NYSE-XEL)	6.3%	6.2%	5.7%	6.0%
Mean	5.6%	5.6%	5.3%	5.5%
Median	5.9%	5.8%	5.7%	5.8%

Data Sources: www.zacks.com, http://quote.yahoo.com, S&amp;P Cap IQ, April, 2021.

Panel B  
McKenzie Proxy Group

Company	Yahoo	Zacks	S&P	Mean
ALLETE, Inc. (NYSE-ALE)	7.0%	N/A	6.0%	6.5%
Ameren Corporation (NYSE-AEE)	7.5%	7.3%	7.0%	7.3%
Avista Corp (NYSE-AVA)	6.9%	6.9%	5.0%	6.3%
Black Hills Corporation (NYSE-BKH)	4.7%	5.2%	5.1%	5.0%
CMS Energy Corporation (NYSE-CMS)	7.2%	7.0%	7.0%	7.0%
DTE Energy Company (NYSE-DTE)	6.1%	5.7%	6.0%	5.9%
Edison International (NYSE-EIX)	-0.5%	4.3%	4.7%	2.8%
Entergy Corporation (NYSE-ETR)	5.5%	5.1%	5.8%	5.5%
IDACORP, Inc. (NYSE-IDA)	2.6%	2.6%	2.8%	2.7%
NorthWestern Corporation (NYSE-NWE)	4.6%	4.4%	4.8%	4.6%
OGE Energy Corp. (NYSE-OGE)	3.8%	4.4%	2.7%	3.6%
Otter Tail Corporation (NDQ-OTTR)	9.0%	N/A	5.4%	7.2%
Sempra Energy (NYSE-SRE)	6.1%	6.0%	6.0%	6.1%
Mean	5.4%	5.4%	5.2%	5.4%
Median	6.1%	5.2%	5.4%	5.9%

Data Sources: www.zacks.com, http://quote.yahoo.com, S&amp;P Cap IQ, April, 2021.

Panel C  
Gas Proxy Group

Company	Yahoo	Zacks	S&P Cap IQ	Mean
Atmos Energy Company (NYSE-ATO)	7.0%	7.3%	7.0%	7.1%
Chesapeake Utilities (NYSE-CPK)	4.7%	na	8.5%	6.6%
New Jersey Resources Corp. (NYSE-NJR)	6.0%	6.0%	7.1%	6.4%
Nisource Inc (NYSE-NI)	4.4%	6.2%	5.0%	5.2%
Northwest Natural Gas Co. (NYSE-NWN)	3.1%	NA	2.5%	2.8%
ONE Gas, Inc. (NYSE-OGS)	5.0%	5.0%	5.5%	5.2%
South Jersey Industries, Inc. (NYSE-SJI)	4.4%	4.4%	4.4%	4.4%
Southwest Gas Company (NYSE-SWX)	4.0%	5.0%	5.0%	4.7%
Spire (NYSE-SR)	5.7%	5.0%	5.1%	5.3%
Mean	4.9%	5.6%	5.6%	5.3%
Median	4.7%	5.0%	5.1%	5.2%

Data Sources: www.zacks.com, http://quote.yahoo.com, S&amp;P Cap IQ, April, 2021.

**DCF Study  
DCF Growth Rate Indicators**

**Electric, McKenzie, and Gas Proxy Groups**

<b>Growth Rate Indicator</b>	<b>Electric Proxy Group</b>	<b>McKenzie Proxy Group</b>	<b>Gas Proxy Group</b>
<b>Historic <i>Value Line</i> Growth in EPS, DPS, and BVPS</b>	<b>4.8%</b>	<b>5.3%</b>	<b>5.4%</b>
<b>Projected <i>Value Line</i> Growth in EPS, DPS, and BVPS</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Sustainable Growth ROE * Retention Rate</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Projected EPS Growth from Yahoo and Zacks - Mean/Median</b>	<b>5.5%/5.8%</b>	<b>5.4%/5.9%</b>	<b>5.3%/5.2%</b>