



MONTANA
DEPARTMENT OF
REVENUE

**2025 Capitalization Rate Study
Electric Utilities**

Final

Completed: April 18, 2025

MONTANA DEPARTMENT OF REVENUE

Yield Capitalization Rate Conclusion

Industry: Electric Utilities

2025 Assessment Year

Capital Structure ^[1]

Equity	60.00%
Debt	40.00%

Equity Cost of Capital

		Weighting
Capital Asset Pricing Model - Ex Post ^[2]	11.44%	48%
Capital Asset Pricing Model - Ex Ante ^[2]	8.93%	12%
3 Stage Dividend Discount Model - Dividends ^[3]	8.14%	20%
3 Stage Dividend Discount Model - Earnings ^[3]	9.08%	20%
Weighted Average	10.01%	100%
Selected Cost of Equity	10.01%	

Debt Cost of Capital

		Weighting
A - Mergent's - Avg. YTM of A Rated Corporate Bonds ^[4]	5.53%	0%
Baa - Mergent's - Avg. YTM of Baa Rated Corporate Bonds ^[4]	5.80%	100%
Ba - MTDOR High Yield Debt Study ^[5]	6.84%	0%
B - MTDOR High Yield Debt Study ^[5]	7.33%	0%
Weighted Average	5.80%	100%
Selected Cost of Debt	5.80%	

Weighted Average Cost of Capital (WACC)

Source of Capital	Capital Structure	Capital Cost of Capital	Marginal Tax Rate	After-tax Unweighted	Pre-tax Weighted	After-tax Weighted
Equity	60.00%	10.01%		10.01%	6.00%	6.00%
Debt	40.00%	5.80%	24.00%	4.41%	2.32%	1.76%
WACC	100.00%				8.32%	7.77%
WACC (Rounded)						7.80%

Notes

[1] From worksheet: Capital Structure

[2] From worksheet: Capital Asset Pricing Model Summary

[3] From worksheet: Yield Equity Summary

[4] January 2025, Mergent Bond Record

[5] Montana Department of Revenue High Yield Debt Study

MONTANA DEPARTMENT OF REVENUE

Direct Capitalization Rate Conclusion

Industry: Electric Utilities

2025 Assessment Year

Capital Structure ^[1]

Equity	60.00%
Debt	40.00%

Equity Capitalization Rate ^[2]

NOI After-tax	5.87%
GCF	11.94%

Debt Capitalization Rate ^[3]

Calculated Current Yield	4.98%
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NOI After-tax Direct Capitalization Rate - If Using Marginal Tax

Source of Capital	Capital Structure	Capitalization Rate	Marginal Tax Rate	After-tax Unweighted	Pre-tax Weighted	After-tax Weighted
Equity	60.00%	5.87%		5.87%	3.52%	3.52%
Debt	40.00%	4.98%	24.00%	3.78%	1.99%	1.51%
Total	100.00%				5.51%	5.04%
Total (Rounded)						5.05%

GCF Direct Capitalization Rate - If Using Marginal Tax

Source of Capital	Capital Structure	Capitalization Rate	Marginal Tax Rate	After-tax Unweighted	Pre-tax Weighted	After-tax Weighted
Equity	60.00%	11.94%		11.94%	7.17%	7.17%
Debt	40.00%	4.98%	24.00%	3.78%	1.99%	1.51%
Total	100.00%				9.16%	8.68%
Total (Rounded)						8.70%

Notes:

[1] From worksheet: Capital Structure

[2] From worksheet: Direct Equity Summary

[3] From worksheet: Calculated Current Yield

MONTANA DEPARTMENT OF REVENUE

Direct Capitalization Rate Conclusion - Using Regulatory Tax Structure (Pre-Tax Debt)

Industry: Electric Utilities

2025 Assessment Year

Capital Structure ^[1]

Equity	60.00%
Debt	40.00%

Equity Capitalization Rate ^[2]

NOI After-tax	5.87%
GCF	11.94%

Debt Capitalization Rate ^[3]

Calculated Current Yield	4.98%
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NOI After-tax Direct Capitalization Rate - If Using Regulatory Tax Str.

Source of Capital	Capital Structure	Capitalization Rate	Marginal Tax Rate	After-tax Unweighted	Pre-tax Weighted	After-tax Weighted
Equity	60.00%	5.87%		5.87%	3.52%	3.52%
Debt	40.00%	4.98%		4.98%	1.99%	1.99%
Total	100.00%				5.51%	5.51%

Total (Rounded) 5.55%

GCF Direct Capitalization Rate - If Using Regulatory Tax Str.

Source of Capital	Capital Structure	Capitalization Rate	Marginal Tax Rate	After-tax Unweighted	Pre-tax Weighted	After-tax Weighted
Equity	60.00%	11.94%		11.94%	7.17%	7.17%
Debt	40.00%	4.98%		4.98%	1.99%	1.99%
Total	100.00%				9.16%	9.16%

Total (Rounded) 9.20%

Notes:

[1] From worksheet: Capital Structure

[2] From worksheet: Direct Equity Summary

[3] From worksheet: Calculated Current Yield

MONTANA DEPARTMENT OF REVENUE

Selection of Guideline Companies

Industry: Electric Utilities

2025 Assessment Year

Screening Requirements:

The universe of companies is all companies listed in Value Line under the Electric Utility (West) & (Central) industries.

Companies were then selected using the following screening criteria:

1. Primarily supplies electricity to residential and commercial customers.
2. Headquartered and primarily operated in the United States.
3. Regulated by a state commission.
4. Generation portfolio primarily composed of coal, natural gas, renewables, and/or hydroelectric.
5. Not engaged in material M&A activity.

Ticker Symbol	Residential & Commercial Sales	Primarily in the US	Regulated	Generating portfolio sufficiently compatible	Consider as Potential Guideline Company	Not Engaged in Material M&A Activity	Use as Guideline Company	Note
AEE	83%	Yes	Yes	Yes	Yes	Yes	Yes	
AEP	66%	Yes	Yes	Yes	Yes	Yes	Yes	
ALE	27%							
AVA	65%	Yes	Yes	Yes	Yes	Yes	Yes	
BKH	73%	Yes	Yes	Yes	Yes	Yes	Yes	
CMS	80%	Yes	Yes	Yes	Yes	Yes	Yes	
CNP		Yes	Yes	Yes	Yes	Yes	Yes	
DTE	83%	Yes	Yes	Yes	Yes	Yes	Yes	
EIX	83%			No	No			
ETR	61%	Yes	Yes	Yes	Yes	Yes	Yes	
EVRG	59%	Yes	Yes	Yes	Yes	Yes	Yes	
FTS.TO		No						
HE				No	No			
IDA	60%	Yes	Yes	Yes	Yes	Yes	Yes	
LNT	61%	Yes	Yes	Yes	Yes	Yes	Yes	
MGEE	89%	Yes	Yes	Yes	Yes	Yes	Yes	
NWE	94%	Yes	Yes	Yes	Yes	Yes	Yes	
OGE	69%	Yes	Yes	Yes	Yes	Yes	Yes	
OTTR	68%							[1]
PCG	77%	Yes	Yes	No				
PNW	93%	Yes	Yes	No				
POR	85%	Yes	Yes	Yes	Yes	Yes	Yes	
SRE				No				
TXNM	60%	Yes	Yes	Yes	Yes	No		[2]
WEC	71%	Yes	Yes	Yes	Yes	Yes	Yes	
XEL	81%	Yes	Yes	Yes	Yes			

[1] Plastics division is large portion of operating income

[2] AVANGRID merger cancellation had material impact on stock

**Support for Capital Structure
Industry: Electric Utilities
2025 Assessment Year**

(\$ and Shares Outstanding In Thousands, except per share amounts)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	
Ticker	Company	Industry Group	Financial Strength	Shares Outstanding	End of Year Closing Stock Price	MV Common Stock	MV Preferred Stock	MV Long Term Debt	PV of Operating Leases	Total Common, Preferred, LT Debt, & Op Leases	% Common	% Preferred	% Debt & Op Leases	
					Yahoo									ExF
		Value Line	Value Line	10-K	Yahoo	ExF	10-K	10-K	10-K	G+H+I+J	G/K	H/K	(I+J)/K	
							Note [1]	Note [2]						
AEE	Ameren Corp.	UTILCENT	A+	269,906	89.14	24,059,443	0	15,933,000	156,000	40,148,443	60%	0%	40%	
AEP	Amer. Elec. Power	UTILCENT	A	533,908	92.23	49,242,309	0	38,964,700	596,200	88,803,209	55%	0%	45%	
AVA	Avista Corp.	UTILWEST	A	80,039	36.63	2,931,829	0	2,111,000	66,000	5,108,829	57%	0%	43%	
BKH	Black Hills	UTILWEST	A	71,620	58.52	4,191,211	0	4,059,100	0	8,250,311	51%	0%	49%	
CMS	CMS Energy Corp.	UTILCENT	B++	298,795	66.65	19,914,663	0	14,991,000	116,000	35,021,663	57%	0%	43%	
CNP	CenterPoint Energy	UTILCENT	A	631,226	31.73	20,028,796	0	19,099,000	18,000	39,145,796	51%	0%	49%	
DTE	DTE Energy	UTILCENT	B++	207,172	120.75	25,015,969	0	20,159,000	188,000	45,362,969	55%	0%	45%	
ETR	Entergy Corp.	UTILCENT	A+	429,580	75.82	32,570,787	0	26,559,892	277,197	59,407,876	55%	0%	45%	
EVRG	Evergy Inc.	UTILCENT	B++	229,984	61.55	14,155,492	0	11,535,000	57,700	25,748,192	55%	0%	45%	
IDA	IDACORP Inc.	UTILWEST	A	53,962	109.28	5,897,000	0	2,807,803	0	8,704,803	68%	0%	32%	
LNT	Alliant Energy	UTILCENT	A+	256,690	59.14	15,180,660	0	9,577,000	22,000	24,779,660	61%	0%	39%	
MGEE	MGE Energy	UTILCENT	B++	36,490	93.96	3,428,600	0	698,765	7,846	4,135,211	83%	0%	17%	
NWE	NorthWestern Corp.	UTILWEST	B++	61,321	53.46	3,278,211	0	2,651,240	0	5,929,451	55%	0%	45%	
OGE	OGE Energy	UTILCENT	B++	200,948	41.25	8,289,100	0	4,735,000	40,500	13,064,600	63%	0%	37%	
POR	Portland General	UTILWEST	A	109,342	43.62	4,769,509	0	4,251,000	312	9,020,821	53%	0%	47%	
WEC	WEC Energy Group	UTILCENT	A+	317,681	94.04	29,874,708	0	18,144,100	5,800	48,024,608	62%	0%	38%	
All Companies								0	196,276,600	1,551,555	460,656,439	57%	0%	43%
Average											59%	0%	41%	
Median											56%	0%	44%	
Trimmed Average											58%	0%	42%	
High											83%	0%	49%	
Low											51%	0%	17%	
Selected											60%		40%	

Notes

[1] Market value of preferred stock assumed to equal book value

[2] Market value of debt is fair value of long term debt from 10-K notes

MCA 15-1-210, rationale for changes to guideline companies:

2025 - Added CMS, Removed XEL

		Median	
Current Year	56%	0%	44%
Prior Year	56%	0%	44%
2 Years Prior	63%	0%	37%
3 Year Average	58%	0%	42%

MONTANA DEPARTMENT OF REVENUE

Capital Asset Pricing Model (CAPM)

Industry: Electric Utilities

2025 Assessment Year

$$k_e = R_f + \beta \times ERP$$

		<i>Ex Post</i>	<i>Ex Ante</i>
$k_e =$	Cost of Equity	11.44%	8.93%
$R_f =$	Risk Free Rate	4.86%	4.86%
$\beta =$	Beta	0.90	0.90
$ERP =$	Equity Risk Premium ($R_m - R_f$)	7.31%	4.52%
$R_m =$	Market Rate of Return	12.17%	9.38%

Risk Free Rate Measures (R_f):

The Value Line Investment Survey: Selection & Opinion^[1]

January 3, 2025 Page 218

Selected Yields on Taxable U.S. Treasury Securities as of 12/20/24

10-year	4.52%
30-year	4.72%

Federal Reserve Statistical Release^[2]

U.S. government securities, Treasury constant maturities, Nominal, December 31, 2024

10-year	4.58%
20-year	4.86%
30-year	4.78%

Risk Free Rate Selected 4.86%

Notes

[1] "Value Line Selection & Opinion", Value Line (January 3, 2025)

[2] <https://www.federalreserve.gov/releases/h15/>

Ex Post - Equity Risk Premium Measures ($ERP = R_m - R_f$)

Kroll, 2025 Cost of Capital Navigator

		<u>R_m</u>	<u>R_f</u>	<u>ERP</u>
ERP "Historical" - <i>Ex Post</i>	<i>Arithmetic Avg.</i>	12.17%	4.86%	7.31%
ERP "Supply-side" - <i>Ex Post</i>	<i>Arithmetic Avg.</i>	11.12%	4.86%	6.26%
Ex Post Equity Risk Premium Selected		<u><u>12.17%</u></u>	<u><u>4.86%</u></u>	<u><u>7.31%</u></u>

MONTANA DEPARTMENT OF REVENUE

Capital Asset Pricing Model (CAPM)

Industry: Electric Utilities

2025 Assessment Year

$$k_e = R_f + \beta \times ERP$$

Ex Ante - Equity Risk Premium Measures (ERP = Rm - Rf)

DOR 3 Stage Dividend Growth Model, S & P 500, See Exhibit

	<u>R_m</u>	<u>R_f</u>	<u>ERP</u>
ERP - <i>Ex Ante</i>	7.19%	4.86%	2.33%

Kroll, 2025 Cost of Capital Navigator

	<u>R_m</u>	<u>R_f</u>	<u>ERP</u>
ERP "Conditional" - <i>Ex Ante</i>	8.50%	3.50%	5.00%

Damodaran Implied ERP (Jan 5, 2025)

	<u>R_m</u>	<u>R_f</u>	<u>ERP</u>
Implied Premium - <i>Ex Ante</i> - Trailing 12 month, with adjusted payout	8.58%	4.58%	4.00%
Implied Premium - <i>Ex Ante</i> - Trailing 12 month cash yields	8.91%	4.58%	4.33%
Implied Premium - <i>Ex Ante</i> - Average CF yield last 10 years	10.73%	4.58%	6.15%
Implied Premium - <i>Ex Ante</i> - Net cash yield	8.73%	4.58%	4.15%
Implied Premium - <i>Ex Ante</i> - Normalized earnings and payout	<u>8.39%</u>	<u>4.58%</u>	<u>3.81%</u>
Damodaran Average	9.07%	4.58%	4.49%

	<u>R_m</u>	<u>R_f</u>	<u>ERP</u>
<u>Average</u>	8.72%		4.25%
<u>Median</u>	8.58%		4.15%
<u>High</u>	10.73%		6.15%
<u>Low</u>	7.19%		2.33%

Ex Ante Equity Risk Premium Selected

9.38%	4.86%	4.52%
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MONTANA DEPARTMENT OF REVENUE

Support for Beta Selection in CAPM

Industry: Electric Utilities

2025 Assessment Year

A	B	C	D	E
Ticker	Company	Industry Group	Financial Strength	Beta
		<i>Value Line</i>	<i>Value Line</i>	<i>Value Line</i>
AEE	Ameren Corp.	UTILCENT	A+	0.90
AEP	Amer. Elec. Power	UTILCENT	A	0.75
AVA	Avista Corp.	UTILWEST	A	0.90
BKH	Black Hills	UTILWEST	A	1.00
CMS	CMS Energy Corp.	UTILCENT	B++	0.85
CNP	CenterPoint Energy	UTILCENT	A	1.05
DTE	DTE Energy	UTILCENT	B++	0.95
ETR	Entergy Corp.	UTILCENT	A+	0.90
EVRG	Evergy Inc.	UTILCENT	B++	0.90
IDA	IDACORP Inc.	UTILWEST	A	0.80
LNT	Alliant Energy	UTILCENT	A+	0.90
MGEE	MGE Energy	UTILCENT	B++	0.85
NWE	NorthWestern Corp.	UTILWEST	B++	0.90
OGE	OGE Energy	UTILCENT	B++	1.00
POR	Portland General	UTILWEST	A	0.90
WEC	WEC Energy Group	UTILCENT	A+	0.80
Average				0.90
Median				0.90
Trimmed Average				0.90
High				1.05
Low				0.75
Selected				0.90

MONTANA DEPARTMENT OF REVENUE

Inflation & Real Growth
Industry: Electric Utilities
2025 Assessment Year

A	B	C	D	Nominal Growth	
				E	F
Source Description	Inflation (CPI)	Real Growth (GDP)	Nominal Growth	Low	High
Livingston Survey ^[1]	2.29%	2.11%	4.40%		
Survey of Professional Forecasters ^[2]	2.38%	2.10%	4.48%		
Congressional Budget Office ^[3]	2.30%	1.80%	4.10%		
Average	2.32%	2.00%	4.33%		
Median	2.30%	2.10%	4.40%		
High	2.38%	2.11%	4.49%		
Low	2.29%	1.80%	4.09%		
Selected	2.30%	2.10%	4.40%	4.09%	4.49%

Inflationary Trend Factors						
Year	Dec. CPI-U Index	Percent Change From Previous	Dec. to Dec. Conversion Factor	Annual Avg. CPI-U Index	Percent Change From Previous	Annual Conversion Factor
	<i>Note [5]</i>	<i>Note [6]</i>	<i>Note [7]</i>	<i>Note [5]</i>	<i>Note [6]</i>	<i>Note [7]</i>
2013	233.049	1.5%	1.3542	232.957	1.4%	1.3466
2014	234.812	0.8%	1.3441	236.736	1.6%	1.3251
2015	236.525	0.7%	1.3343	237.017	0.1%	1.3235
2016	241.432	2.0%	1.3072	240.007	1.2%	1.3070
2017	246.524	2.1%	1.2802	245.120	2.1%	1.2797
2018	251.233	1.9%	1.2562	251.107	2.4%	1.2492
2019	256.974	2.2%	1.2282	255.657	1.8%	1.2270
2020	260.474	1.3%	1.2117	258.811	1.2%	1.2120
2021	278.802	6.6%	1.1320	270.970	4.5%	1.1577
2022	296.797	6.1%	1.0634	292.655	7.4%	1.0719
2023	306.746	3.2%	1.0289	304.702	4.0%	1.0295
2024	315.605	2.8%	1.0000	313.689	2.9%	1.0000

Notes

[1] Federal Reserve Bank of Philadelphia The Livingston Survey December 20, 2024 Table 3 Inflation Rate and Real GDP mean

<https://www.philadelphiafed.org/research-and-data/real-time-center/livingston-survey>

[2] Federal Reserve Bank of Philadelphia Survey of Professional Forecasters February 14, 2025 Table 8 and Table 9 Average over next 10-Year mean

<https://www.philadelphiafed.org/surveys-and-data/real-time-data-research/survey-of-professional-forecasters>

[3] The Budget and Economic Outlook: 2025 To 2035

<https://www.cbo.gov/data/budget-economic-data#4>

[5] Historical Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, all items, index averages (1982-84=100, unless otherwise noted)

<https://www.bls.gov/cpi/tables/supplemental-files/>

[6] (Row year - Previous Year) / Row Year

[7] Most current year / Row year

MONTANA DEPARTMENT OF REVENUE

3 Stage Dividend Discount Model (DDM)

Industry: Electric Utilities

2025 Assessment Year

$$k_e = (D_1 / P_0) + g$$

k_e = Cost of Equity

D_1 = Expected Dividend

P_0 = Current Price Per Share

g = Sustainable Long-Term Growth

A	B	C	D	E	F	G	H	I
Ticker	Company	2024 Year End Stock Price	2025 Est Div'ds Decl'd per sh	Expected Equity Payout Yield	Sustainable Long-Term Growth Rate ^[1]	Sustainable Long-Term Growth Rate ^[1]	Cost of Equity Dividend Growth	Cost of Equity Earnings Growth
		<i>Yahoo</i>	<i>Value Line</i>	<i>D/C</i>	<i>Dividends</i>	<i>Earnings</i>	<i>E+F</i>	<i>E+G</i>
		P_0	D_1	D_1/P_0	g	g	k_e	k_e
AEE	Ameren Corp.	89.14	2.86	3.21%	4.61%	5.58%	7.81%	8.79%
AEP	Amer. Elec. Power	92.23	3.81	4.13%	3.72%	5.46%	7.86%	9.59%
AVA	Avista Corp.	36.63	2.00	5.46%	3.73%	4.69%	9.19%	10.15%
BKH	Black Hills	58.52	2.70	4.61%	3.97%	4.71%	8.58%	9.32%
CMS	CMS Energy Corp.	66.65	2.25	3.38%	4.05%	4.25%	7.43%	7.63%
CNP	CenterPoint Energy	31.73	0.89	2.80%	4.36%	4.17%	7.17%	6.98%
DTE	DTE Energy	120.75	4.34	3.59%	4.06%	5.85%	7.66%	9.44%
ETR	Entergy Corp.	75.82	4.82	6.36%	3.26%	5.14%	9.62%	11.50%
EVRG	Evergy Inc.	61.55	2.74	4.45%	4.01%	4.97%	8.46%	9.42%
IDA	IDACORP Inc.	109.28	3.52	3.22%	5.14%	5.58%	8.36%	8.80%
LNT	Alliant Energy	59.14	2.04	3.45%	5.14%	5.27%	8.59%	8.72%
MGEE	MGE Energy	93.96	2.00	2.13%	4.76%	4.78%	6.89%	6.91%
NWE	NorthWestern Corp.	53.46	2.64	4.94%	2.91%	4.58%	7.85%	9.52%
OGE	OGE Energy	41.25	1.73	4.19%	3.40%	4.96%	7.60%	9.16%
POR	Portland General	43.62	2.08	4.77%	5.16%	5.20%	9.93%	9.96%
WEC	WEC Energy Group	94.04	3.57	3.80%	3.52%	5.63%	7.31%	9.42%
Average							8.14%	9.08%
Median							7.85%	9.37%
Trimmed Average							8.11%	9.06%
High							9.93%	11.50%
Low							6.89%	6.91%
Selected							8.14%	9.08%

Notes

[1] From worksheet: DDM Sustainable Long-Term Growth

Implied Sustainable LTG:

4.11%

5.05%

MONTANA DEPARTMENT OF REVENUE
Support for DDM - Short Term Growth Rate Calculations
Industry: Electric Utilities
2025 Assessment Year

A	B	C	D	E	F	G
Ticker	Company	End of Year Closing Stock Price	Div'ds Decl'd per sh 2025 Est	Expected Dividend Yield	Div'ds Decl'd per sh 2027-2029 Est	Short-Term Growth Rate
		<i>Yahoo</i>	<i>Value Line</i>	<i>D / C</i>	<i>Value Line</i>	<i>Note [1]</i>
AEE	Ameren Corp.	89.14	2.86	3.21%	3.30	4.89%
AEP	Amer. Elec. Power	92.23	3.81	4.13%	4.16	2.97%
AVA	Avista Corp.	36.63	2.00	5.46%	2.20	3.23%
BKH	Black Hills	58.52	2.70	4.61%	3.00	3.57%
CMS	CMS Energy Corp.	66.65	2.25	3.38%	2.50	3.57%
CNP	CenterPoint Energy	31.73	0.89	2.80%	1.01	4.31%
DTE	DTE Energy	120.75	4.34	3.59%	4.83	3.63%
ETR	Entergy Corp.	75.82	4.82	6.36%	5.20	2.56%
EVRG	Evergy Inc.	61.55	2.74	4.45%	3.05	3.64%
IDA	IDACORP Inc.	109.28	3.52	3.22%	4.20	6.06%
LNT	Alliant Energy	59.14	2.04	3.45%	2.43	6.00%
MGEE	MGE Energy	93.96	2.00	2.13%	2.35	5.52%
NWE	NorthWestern Corp.	53.46	2.64	4.94%	2.76	1.49%
OGE	OGE Energy	41.25	1.73	4.19%	1.85	2.26%
POR	Portland General	43.62	2.08	4.77%	2.46	5.75%
WEC	WEC Energy Group	94.04	3.57	3.80%	3.83	2.37%

A	B	C	D	E
Ticker	Company	Earnings per share 2025 Est	Earnings per share 2027-2029 Est	Short-Term Growth Rate
		<i>Value Line</i>	<i>Value Line</i>	<i>Note [1]</i>
AEE	Ameren Corp.	4.90	6.00	6.98%
AEP	Amer. Elec. Power	5.85	7.05	6.42%
AVA	Avista Corp.	2.60	3.00	4.89%
BKH	Black Hills	4.15	4.80	4.97%
CMS	CMS Energy Corp.	3.55	4.00	4.06%
CNP	CenterPoint Energy	1.70	1.90	3.78%
DTE	DTE Energy	7.20	8.90	7.32%
ETR	Entergy Corp.	6.85	8.05	5.53%
EVRG	Evergy Inc.	4.05	4.75	5.46%
IDA	IDACORP Inc.	5.80	7.10	6.97%
LNT	Alliant Energy	3.25	3.90	6.27%
MGEE	MGE Energy	3.95	4.65	5.59%
NWE	NorthWestern Corp.	3.70	4.25	4.73%
OGE	OGE Energy	2.30	2.70	5.49%
POR	Portland General	3.25	3.85	5.81%
WEC	WEC Energy Group	5.25	6.40	6.83%

Notes

[1] 4 year compound annual growth rate (CAGR) - 3 periods

MONTANA DEPARTMENT OF REVENUE

Support for DDM - Sustainable Long Term Growth

Industry: Electric Utilities

2025 Assessment Year

Dividend Growth Rate									Stage 1				
Ticker	Company	Year End Stock Price	Expected Short-Term Dividend Growth Rate	Expected Long-Term Growth Rate	Expected Dividend Yield	Internal Rate of Return	Implied Sustainable Long-Term Growth Rate (g)	Initial Investment	D ₁	D ₂	D ₃	D ₄	D ₅
		Yahoo	Note [1]	Note [2]	D_1/P_0	$K_e = IRR \text{ of } D_1 : D_{500}$	$g = IRR - Div. \text{ Yield}$						
AEE	Ameren Corp.	89.14	4.89%	4.40%	3.21%	7.81%	4.61%	(89.14)	2.86	3.00	3.15	3.30	3.46
AEP	Amer. Elec. Power	92.23	2.97%	4.40%	4.13%	7.86%	3.72%	(92.23)	3.81	3.92	4.04	4.16	4.28
AVA	Avista Corp.	36.63	3.23%	4.40%	5.46%	9.19%	3.73%	(36.63)	2.00	2.06	2.13	2.20	2.27
BKH	Black Hills	58.52	3.57%	4.40%	4.61%	8.58%	3.97%	(58.52)	2.70	2.80	2.90	3.00	3.11
CMS	CMS Energy Corp.	66.65	3.57%	4.40%	3.38%	7.43%	4.05%	(66.65)	2.25	2.33	2.41	2.50	2.59
CNP	CenterPoint Energy	31.73	4.31%	4.40%	2.80%	7.17%	4.36%	(31.73)	0.89	0.93	0.97	1.01	1.05
DTE	DTE Energy	120.75	3.63%	4.40%	3.59%	7.66%	4.06%	(120.75)	4.34	4.50	4.66	4.83	5.01
ETR	Entergy Corp.	75.82	2.56%	4.40%	6.36%	9.62%	3.26%	(75.82)	4.82	4.94	5.07	5.20	5.33
EVRG	Evergy Inc.	61.55	3.64%	4.40%	4.45%	8.46%	4.01%	(61.55)	2.74	2.84	2.94	3.05	3.16
IDA	IDACORP Inc.	109.28	6.06%	4.40%	3.22%	8.36%	5.14%	(109.28)	3.52	3.73	3.96	4.20	4.45
LNT	Alliant Energy	59.14	6.00%	4.40%	3.45%	8.59%	5.14%	(59.14)	2.04	2.16	2.29	2.43	2.58
MGEE	MGE Energy	93.96	5.52%	4.40%	2.13%	6.89%	4.76%	(93.96)	2.00	2.11	2.23	2.35	2.48
NWE	NorthWestern Corp.	53.46	1.49%	4.40%	4.94%	7.85%	2.91%	(53.46)	2.64	2.68	2.72	2.76	2.80
OGE	OGE Energy	41.25	2.26%	4.40%	4.19%	7.60%	3.40%	(41.25)	1.73	1.77	1.81	1.85	1.89
POR	Portland General	43.62	5.75%	4.40%	4.77%	9.93%	5.16%	(43.62)	2.08	2.20	2.33	2.46	2.60
WEC	WEC Energy Group	94.04	2.37%	4.40%	3.80%	7.31%	3.52%	(94.04)	3.57	3.65	3.74	3.83	3.92

Earnings Growth Rate									Stage 1				
Ticker	Company	Year End Stock Price	Expected Short-Term Earnings Growth Rate	Expected Long-Term Growth Rate	Expected Dividend Yield	Internal Rate of Return	Implied Sustainable Long-Term Growth Rate (g)	Initial Investment	D ₁	D ₂	D ₃	D ₄	D ₅
		Yahoo	Note [1]	Note [2]	D_1/P_0	$K_e = IRR \text{ of } D_1 : D_{500}$	$g = IRR - Div. \text{ Yield}$						
AEE	Ameren Corp.	89.14	6.98%	4.40%	3.21%	8.79%	5.58%	(89.14)	2.86	3.06	3.27	3.50	3.75
AEP	Amer. Elec. Power	92.23	6.42%	4.40%	4.13%	9.59%	5.46%	(92.23)	3.81	4.05	4.31	4.59	4.89
AVA	Avista Corp.	36.63	4.89%	4.40%	5.46%	10.15%	4.69%	(36.63)	2.00	2.10	2.20	2.31	2.42
BKH	Black Hills	58.52	4.97%	4.40%	4.61%	9.32%	4.71%	(58.52)	2.70	2.83	2.98	3.12	3.28
CMS	CMS Energy Corp.	66.65	4.06%	4.40%	3.38%	7.63%	4.25%	(66.65)	2.25	2.34	2.44	2.54	2.64
CNP	CenterPoint Energy	31.73	3.78%	4.40%	2.80%	6.98%	4.17%	(31.73)	0.89	0.92	0.96	0.99	1.03
DTE	DTE Energy	120.75	7.32%	4.40%	3.59%	9.44%	5.85%	(120.75)	4.34	4.66	5.00	5.36	5.76
ETR	Entergy Corp.	75.82	5.53%	4.40%	6.36%	11.50%	5.14%	(75.82)	4.82	5.09	5.37	5.66	5.98
EVRG	Evergy Inc.	61.55	5.46%	4.40%	4.45%	9.42%	4.97%	(61.55)	2.74	2.89	3.05	3.21	3.39
IDA	IDACORP Inc.	109.28	6.97%	4.40%	3.22%	8.80%	5.58%	(109.28)	3.52	3.77	4.03	4.31	4.61
LNT	Alliant Energy	59.14	6.27%	4.40%	3.45%	8.72%	5.27%	(59.14)	2.04	2.17	2.30	2.45	2.60
MGEE	MGE Energy	93.96	5.59%	4.40%	2.13%	6.91%	4.78%	(93.96)	2.00	2.11	2.23	2.35	2.49
NWE	NorthWestern Corp.	53.46	4.73%	4.40%	4.94%	9.52%	4.58%	(53.46)	2.64	2.76	2.90	3.03	3.18
OGE	OGE Energy	41.25	5.49%	4.40%	4.19%	9.16%	4.96%	(41.25)	1.73	1.82	1.93	2.03	2.14
POR	Portland General	43.62	5.81%	4.40%	4.77%	9.96%	5.20%	(43.62)	2.08	2.20	2.33	2.46	2.61
WEC	WEC Energy Group	94.04	6.83%	4.40%	3.80%	9.42%	5.63%	(94.04)	3.57	3.81	4.07	4.35	4.65

Notes

[1] From worksheet: DDM Short Term Growth Rate Calculations

[2] From worksheet: Inflation & Real Growth

MONTANA DEPARTMENT OF REVENUE

Support for DDM - Sustainable Long Term Growth

Industry: Electric Utilities

2025 Assessment Year

Dividend	Stage 2															Stage 3		
	Ticker	D ₆	D ₇	D ₈	D ₉	D ₁₀	D ₁₁	D ₁₂	D ₁₃	D ₁₄	D ₁₅	D ₁₆	D ₁₇	D ₁₈	D ₁₉	D ₂₀	D ₂₁	D ₂₂
AEE	3.63	3.81	3.99	4.18	4.39	4.60	4.82	5.06	5.30	5.56	5.83	6.11	6.41	6.72	7.05	7.36	7.68	6,671,103,692
AEP	4.42	4.55	4.69	4.83	4.98	5.14	5.29	5.46	5.62	5.80	5.97	6.16	6.34	6.54	6.74	7.04	7.35	6,381,363,934
AVA	2.35	2.42	2.50	2.59	2.67	2.76	2.85	2.95	3.04	3.14	3.25	3.36	3.47	3.58	3.70	3.86	4.03	3,502,288,194
BKH	3.22	3.34	3.46	3.58	3.71	3.85	3.99	4.13	4.28	4.44	4.60	4.77	4.94	5.12	5.30	5.54	5.78	5,021,822,639
CMS	2.68	2.78	2.88	2.99	3.09	3.21	3.32	3.44	3.57	3.70	3.83	3.97	4.12	4.27	4.42	4.61	4.82	4,184,852,199
CNP	1.10	1.15	1.20	1.25	1.30	1.36	1.42	1.48	1.54	1.61	1.68	1.75	1.82	1.90	1.98	2.07	2.16	1,878,963,014
DTE	5.19	5.38	5.58	5.78	6.00	6.22	6.45	6.68	6.93	7.19	7.45	7.72	8.01	8.30	8.61	8.99	9.38	8,150,516,366
ETR	5.48	5.62	5.77	5.93	6.09	6.25	6.42	6.59	6.77	6.95	7.14	7.33	7.53	7.73	7.94	8.28	8.65	7,512,578,401
EVRG	3.28	3.40	3.52	3.65	3.79	3.93	4.07	4.22	4.38	4.54	4.71	4.88	5.06	5.25	5.44	5.68	5.93	5,152,250,826
IDA	4.72	5.00	5.30	5.61	5.95	6.30	6.68	7.08	7.50	7.94	8.42	8.92	9.45	10.01	10.61	11.07	11.56	10,040,902,351
LNT	2.73	2.89	3.06	3.24	3.43	3.63	3.85	4.07	4.31	4.57	4.84	5.12	5.43	5.75	6.08	6.35	6.63	5,760,678,207
MGEE	2.61	2.76	2.91	3.07	3.23	3.41	3.59	3.79	4.00	4.21	4.44	4.69	4.94	5.21	5.50	5.74	5.99	5,202,596,820
NWE	2.85	2.90	2.95	3.00	3.05	3.10	3.15	3.20	3.26	3.31	3.37	3.42	3.48	3.54	3.60	3.76	3.92	3,408,299,079
OGE	1.94	1.98	2.03	2.08	2.13	2.18	2.23	2.29	2.34	2.40	2.46	2.52	2.58	2.64	2.70	2.82	2.94	2,557,567,574
POR	2.75	2.90	3.07	3.24	3.43	3.62	3.83	4.04	4.27	4.51	4.77	5.04	5.32	5.62	5.94	6.20	6.48	5,626,875,164
WEC	4.02	4.12	4.22	4.33	4.44	4.55	4.66	4.78	4.90	5.02	5.15	5.28	5.41	5.54	5.68	5.93	6.19	5,381,086,012

Earnings	Stage 2															Stage 3		
	Ticker	D ₆	D ₇	D ₈	D ₉	D ₁₀	D ₁₁	D ₁₂	D ₁₃	D ₁₄	D ₁₅	D ₁₆	D ₁₇	D ₁₈	D ₁₉	D ₂₀	D ₂₁	D ₂₂
AEE	4.00	4.27	4.57	4.88	5.21	5.56	5.94	6.35	6.78	7.24	7.73	8.26	8.82	9.43	10.07	10.51	10.97	9,531,411,178
AEP	5.19	5.52	5.87	6.23	6.63	7.04	7.49	7.96	8.46	8.99	9.55	10.15	10.79	11.47	12.19	12.72	13.28	11,538,202,181
AVA	2.54	2.66	2.79	2.93	3.07	3.22	3.37	3.54	3.71	3.89	4.08	4.27	4.48	4.70	4.93	5.14	5.37	4,665,107,477
BKH	3.44	3.61	3.79	3.97	4.17	4.38	4.59	4.82	5.06	5.31	5.57	5.84	6.13	6.43	6.75	7.05	7.36	6,389,523,351
CMS	2.75	2.86	2.97	3.10	3.22	3.35	3.49	3.63	3.78	3.94	4.10	4.26	4.44	4.62	4.81	5.02	5.24	4,551,079,112
CNP	1.07	1.11	1.16	1.20	1.25	1.29	1.34	1.39	1.45	1.50	1.56	1.62	1.68	1.74	1.81	1.89	1.97	1,714,609,450
DTE	6.17	6.61	7.08	7.58	8.12	8.70	9.32	9.99	10.70	11.46	12.28	13.15	14.09	15.09	16.17	16.88	17.62	15,308,328,763
ETR	6.30	6.65	7.01	7.39	7.79	8.22	8.67	9.14	9.64	10.17	10.72	11.30	11.92	12.57	13.26	13.84	14.45	12,549,952,765
EVRG	3.57	3.76	3.97	4.18	4.41	4.64	4.89	5.16	5.43	5.73	6.04	6.36	6.70	7.07	7.45	7.77	8.12	7,049,243,055
IDA	4.92	5.26	5.62	6.00	6.41	6.84	7.31	7.80	8.33	8.90	9.51	10.15	10.84	11.58	12.37	12.91	13.48	11,710,731,040
LNT	2.76	2.93	3.11	3.30	3.50	3.72	3.95	4.19	4.45	4.72	5.01	5.32	5.65	5.99	6.36	6.64	6.93	6,021,723,021
MGEE	2.62	2.77	2.92	3.08	3.25	3.43	3.62	3.82	4.03	4.25	4.48	4.73	4.99	5.27	5.56	5.80	6.06	5,261,758,408
NWE	3.33	3.48	3.65	3.82	4.00	4.18	4.38	4.59	4.80	5.03	5.27	5.51	5.77	6.05	6.33	6.61	6.90	5,993,341,334
OGE	2.26	2.38	2.51	2.65	2.79	2.94	3.10	3.27	3.44	3.63	3.83	4.04	4.25	4.48	4.73	4.93	5.15	4,475,312,181
POR	2.76	2.91	3.08	3.26	3.44	3.64	3.85	4.07	4.30	4.55	4.81	5.08	5.37	5.68	6.00	6.27	6.54	5,682,032,679
WEC	4.96	5.29	5.64	6.02	6.42	6.85	7.30	7.79	8.31	8.86	9.45	10.08	10.75	11.47	12.23	12.77	13.34	11,583,459,051

MONTANA DEPARTMENT OF REVENUE

Support for Yield Capitalization Rate - Debt Rating

Industry: Electric Utilities

2025 Assessment Year

A	B	C	D	E	F
Ticker	Company	Industry Group	Financial Strength	Moody's Long Term Rating	Numeric Rating
		<i>Value Line</i>	<i>Value Line</i>	<i>Moodys.com</i>	
AEE	Ameren Corp.	UTILCENT	A+	Baa1	8
AEP	Amer. Elec. Power	UTILCENT	A	Baa2	9
AVA	Avista Corp.	UTILWEST	A	Baa2	9
BKH	Black Hills	UTILWEST	A	Baa2	9
CMS	CMS Energy Corp.	UTILCENT	B++	Baa2	9
CNP	CenterPoint Energy	UTILCENT	A	Baa2	9
DTE	DTE Energy	UTILCENT	B++	Baa2	9
ETR	Entergy Corp.	UTILCENT	A+	Baa2	9
EVRG	Evergy Inc.	UTILCENT	B++	Baa2	9
IDA	IDACORP Inc.	UTILWEST	A	Baa2	9
LNT	Alliant Energy	UTILCENT	A+	Baa2	9
MGEE	MGE Energy	UTILCENT	B++	A1	5
NWE	NorthWestern Corp.	UTILWEST	B++	Baa2	9
OGE	OGE Energy	UTILCENT	B++	Baa1	8
POR	Portland General	UTILWEST	A	A3	7
WEC	WEC Energy Group	UTILCENT	A+	Baa1	8
Average					8
Median					9
Trimmed Average					9
High					9
Low					5
Selected				Baa2	9

MONTANA DEPARTMENT OF REVENUE
Support for Direct Capitalization - Equity Capitalization Rates
Industry: Electric Utilities
2025 Assessment Year

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Ticker	Company	End of Year Closing Stock Price	VL Historic EPS	VL Est EPS	VL Historic P/E Ratio	VL Est P/E Ratio	Ke Estimate - Earnings (Hist. P/E)	Ke Estimate - Earnings (Est. P/E)	VL Historic Cash Flow Per Share	VL Est Cash Flow Per Share	VL Historic P/CF Ratio	VL Est P/CF Ratio	Ke Estimate - Cash Flow (Hist. P/CF)	Ke Estimate - Cash Flow (Est. P/CF)	Market Value of Equity	Book Value of Equity	MTBR
		Yahoo	Value Line	Value Line	C/D	C/E	1/F	1/G	Value Line	Value Line	C/J	C/K	1/L	1/M	Price x Shrs	Value Line	P/Q
AEE	Ameren Corp.	89.14	4.59	4.90	19.42	18.19	5.15%	5.50%	10.02	0.00	8.90		11.24%		24,059,443	11,349,000	2.12
AEP	Amer. Elec. Power	92.23	5.61	5.85	16.44	15.77	6.08%	6.34%	11.23	0.00	8.21		12.18%		49,242,309	25,289,200	1.95
AVA	Avista Corp.	36.63	2.28	2.60	16.07	14.09	6.22%	7.10%	5.63	5.85	6.51	6.26	15.37%	15.97%	2,931,829	2,485,300	1.18
BKH	Black Hills	58.52	3.92	4.15	14.93	14.10	6.70%	7.09%	7.76	7.80	7.54	7.50	13.26%	13.33%	4,191,211	3,215,300	1.30
CMS	CMS Energy Corp.	66.65	3.32	3.55	20.08	18.77	4.98%	5.33%	7.47	7.75	8.92	8.60	11.21%	11.63%	19,914,663	8,230,000	2.42
CNP	CenterPoint Energy	31.73	1.59	1.70	19.96	18.66	5.01%	5.36%	3.67	4.00	8.65	7.93	11.57%	12.61%	20,028,796	9,667,000	2.07
DTE	DTE Energy	120.75	6.77	7.20	17.84	16.77	5.61%	5.96%	14.84	0.00	8.14		12.29%		25,015,969	11,050,000	2.26
ETR	Entergy Corp.	75.82	2.45	6.85	30.95	11.07	3.23%	9.03%	8.10	8.80	9.36	8.62	10.68%	11.61%	32,570,787	15,303,300	2.13
EVRG	Evergy Inc.	61.55	3.79	4.05	16.24	15.20	6.16%	6.58%	8.33	8.15	7.39	7.55	13.53%	13.24%	14,155,492	9,663,100	1.46
IDA	IDACORP Inc.	109.28	5.48	5.80	19.94	18.84	5.01%	5.31%	9.11	9.50	12.00	11.50	8.34%	8.69%	5,897,000	2,907,600	2.03
LNT	Alliant Energy	59.14	2.69	3.25	21.99	18.20	4.55%	5.50%	5.70	5.85	10.38	10.11	9.64%	9.89%	15,180,660	7,004,000	2.17
MGEE	MGE Energy	93.96	3.33	3.95	28.22	23.79	3.54%	4.20%	6.03	6.45	15.58	14.57	6.42%	6.86%	3,428,600	1,140,100	3.01
NWE	NorthWestern Corp.	53.46	3.55	3.70	15.06	14.45	6.64%	6.92%	6.69	7.00	7.99	7.64	12.51%	13.09%	3,278,211	2,785,300	1.18
OGE	OGE Energy	41.25	2.19	2.30	18.84	17.93	5.31%	5.58%	4.61	0.00	8.95		11.18%		8,289,100	4,511,600	1.84
POR	Portland General	43.62	3.14	3.25	13.89	13.42	7.20%	7.45%	6.83	7.75	6.39	5.63	15.66%	17.77%	4,769,509	3,319,000	1.44
WEC	WEC Energy Group	94.04	4.89	5.25	19.23	17.91	5.20%	5.58%	8.23	0.00	11.43		8.75%		29,874,708	11,754,600	2.54
Average					19.32	16.70	5.41%	6.18%			9.14	8.72	11.49%	12.24%			1.94
Median					19.03	17.34	5.25%	5.77%			8.77	7.93	11.40%	12.61%			2.05
Trimmed Average					18.87	16.59	5.44%	6.11%			8.88	8.41	11.55%	12.23%			1.92
High					30.95	23.79	7.20%	9.03%			15.58	14.57	15.66%	17.77%			3.01
Low					13.89	11.07	3.23%	4.20%			6.39	5.63	6.42%	6.86%			1.18
Selected					17.03		5.87%				8.37		11.94%				1.94

MONTANA DEPARTMENT OF REVENUE

Support for Direct Capitalization - Debt Capitalization Rate

Industry: Electric Utilities

2025 Assessment Year

(\$ in Thousands)

A	B	C	D	E	F	G	H	I	J
Ticker	Company	Current Year Interest Exp.	Previous Year MV LT Debt	Previous Year BV LT Debt	Current Year MV LT Debt	Current Year BV LT Debt	Average MV LT Debt	Current Yield	MTBR
		10-K	10-K	10-K	10-K	10-K	(D+F)/2	(C/H)	(F/G)
AEE	Ameren Corp.	663,000	14,833,000	15,970,000	15,933,000	17,579,000	15,383,000	4.31%	0.91
AEP	Amer. Elec. Power	1,862,800	37,325,700	40,143,200	38,964,700	42,642,800	38,145,200	4.88%	0.91
AVA	Avista Corp.	147,000	2,150,000	2,572,000	2,111,000	2,653,000	2,130,500	6.90%	0.80
BKH	Black Hills	195,200	4,215,600	4,401,200	4,059,100	4,250,200	4,137,350	4.72%	0.96
CMS	CMS Energy Corp.	700,000	14,372,000	15,550,000	14,991,000	16,501,000	14,681,500	4.77%	0.91
CNP	CenterPoint Energy	818,000	17,809,000	18,614,000	19,099,000	20,463,000	18,454,000	4.43%	0.93
DTE	DTE Energy	951,000	18,203,000	19,562,000	20,159,000	21,986,000	19,181,000	4.96%	0.92
ETR	Entergy Corp.	1,203,588	24,588,231	25,107,896	26,559,892	27,991,595	25,574,062	4.71%	0.95
EVRG	Evergy Inc.	563,100	11,044,900	11,853,300	11,535,000	12,460,900	11,289,950	4.99%	0.93
IDA	IDACORP Inc.	139,196	2,684,278	2,825,590	2,807,803	3,073,662	2,746,041	5.07%	0.91
LNT	Alliant Energy	449,000	8,677,000	9,034,000	9,577,000	9,848,000	9,127,000	4.92%	0.97
MGEE	MGE Energy	32,930	675,922	725,546	698,765	773,400	687,344	4.79%	0.90
NWE	NorthWestern Corp.	131,673	2,529,829	2,793,384	2,651,240	3,000,754	2,590,535	5.08%	0.88
OGE	OGE Energy	228,300	4,114,800	4,340,500	4,735,000	5,053,300	4,424,900	5.16%	0.94
POR	Portland General	211,000	4,000,000	4,294,000	4,251,000	4,827,000	4,125,500	5.11%	0.88
WEC	WEC Energy Group	815,300	15,710,200	16,777,000	18,144,100	19,210,400	16,927,150	4.82%	0.94
All Companies		9,111,087			196,276,600	212,314,011	189,605,030	4.81%	0.92
Average								4.98%	0.91
Median								4.90%	0.92
Trimmed Average								4.89%	0.92
High								6.90%	0.97
Low								4.31%	0.80
Selected								4.98%	0.91

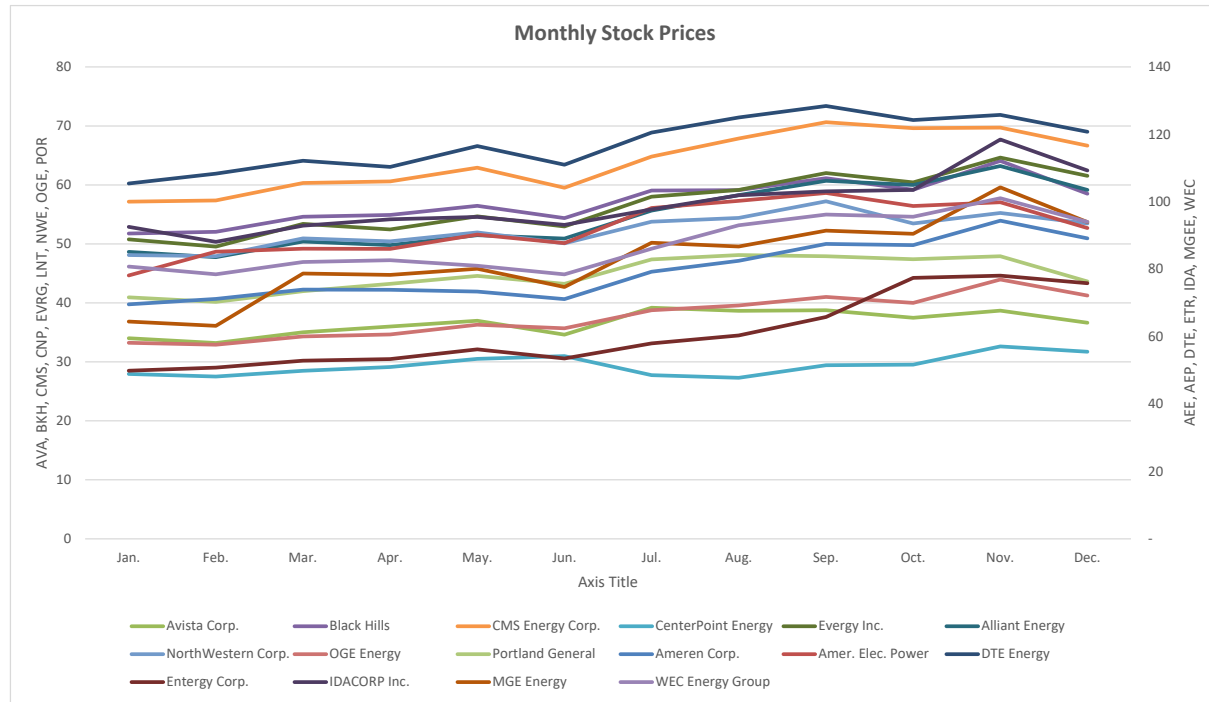
MONTANA DEPARTMENT OF REVENUE

Support of Stock Price - From YAHOO Finance

Industry: Electric Utilities

2025 Assessment Year

		End of Period Closing Stock Price											
1	2	3	4	5	6	7	8	9	10	11	12	13	14
A	B	C	D	E	F	G	H	I	J	K	L	M	N
Ticker	Company	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
AEE	Ameren Corp.	69.57	71.19	73.96	73.87	73.37	71.11	79.27	82.51	87.46	87.11	94.39	89.14
AEP	Amer. Elec. Power	78.14	85.19	86.10	86.03	90.25	87.74	98.12	100.28	102.60	98.75	99.86	92.23
AVA	Avista Corp.	34.01	33.20	35.02	35.98	36.98	34.61	39.18	38.64	38.75	37.48	38.69	36.63
BKH	Black Hills	51.76	52.03	54.60	54.90	56.45	54.38	59.05	59.12	61.12	59.19	64.07	58.52
CMS	CMS Energy Corp.	57.16	57.37	60.34	60.61	62.93	59.53	64.80	67.86	70.63	69.61	69.71	66.65
CNP	CenterPoint Energy	27.94	27.50	28.49	29.14	30.51	30.98	27.75	27.30	29.42	29.53	32.62	31.73
DTE	DTE Energy	105.42	108.35	112.14	110.32	116.53	111.01	120.53	125.02	128.41	124.22	125.78	120.75
ETR	Energy Corp.	49.88	50.78	52.84	53.33	56.24	53.50	57.99	60.35	65.81	77.39	78.08	75.82
EVRG	Evergy Inc.	50.77	49.54	53.38	52.45	54.66	52.97	58.00	59.14	62.01	60.44	64.63	61.55
IDA	IDACORP Inc.	92.58	88.11	92.89	94.78	95.47	93.15	97.75	101.91	103.09	103.48	118.47	109.28
LNT	Alliant Energy	48.66	47.75	50.40	49.80	51.49	50.90	55.66	58.27	60.69	60.00	63.20	59.14
MGEE	MGE Energy	64.49	63.19	78.72	78.32	80.13	74.72	87.84	86.71	91.45	90.49	104.28	93.96
NWE	NorthWestern Corp.	48.12	47.92	50.93	50.44	51.96	50.08	53.77	54.39	57.22	53.46	55.24	53.46
OGE	OGE Energy	33.24	32.91	34.30	34.65	36.30	35.70	38.77	39.56	41.02	39.99	43.96	41.25
POR	Portland General	40.93	40.17	42.00	43.23	44.56	43.24	47.38	48.11	47.90	47.40	47.92	43.62
WEC	WEC Energy Group	80.76	78.49	82.12	82.64	81.03	78.46	86.06	93.03	96.18	95.53	101.05	94.04



MONTANA DEPARTMENT OF REVENUE

Maintenance Capital Expenditures Estimate Based on Guideline Companies

Industry: Electric Utilities

2025 Assessment Year

(\$ In Thousands)

1	2		3	4	5	6	7	8	9	10	11
A	B	C	D	E	F	G	H	I	J	K	L
Ticker	Company	Inflation	PP&E, Gross	PP&E, Gross	Average PP&E	Depreciation Expense	Average Life of Assets			Replacement Cost (RC)	RC as % of Depreciation
			Current Year	Previous Year		Current Year		Note [1]	Note [1]	Note [1]	
		MTDOR (CPI)	10-K, Notes	10-K, Notes	(D+E)/2	10-K	F/G	C*H	1/(1+C)^H	G*/(1-J)	K/G
AEE	Ameren Corp.	2.30%	50,790,000	47,179,000	48,984,500	1,590,000	31	0.71	0.50	2,236,779	140.68%
AEP	Amer. Elec. Power	2.30%	108,602,000	101,246,400	104,924,200	3,289,900	32	0.73	0.48	4,678,803	142.22%
AVA	Avista Corp.	2.30%	8,418,000	7,979,000	8,198,500	274,000	30	0.69	0.51	382,032	139.43%
BKH	Black Hills	2.30%	4,835,600	4,516,800	4,676,200	270,100	17	0.40	0.67	330,490	122.36%
CMS	CMS Energy Corp.	2.30%	37,030,000	34,079,000	35,554,500	1,240,000	29	0.66	0.52	1,707,203	137.68%
CNP	CenterPoint Energy	2.30%	42,667,000	40,396,000	41,531,500	1,439,000	29	0.66	0.52	1,984,969	137.94%
DTE	DTE Energy	2.30%	40,840,000	37,274,000	39,057,000	1,732,000	23	0.52	0.60	2,239,217	129.29%
ETR	Energys Corp.	2.30%	74,867,690	70,385,532	72,626,611	2,013,168	36	0.83	0.44	2,984,370	148.24%
EVRG	Evergy Inc.	2.30%	39,096,400	37,030,300	38,063,350	1,114,000	34	0.79	0.46	1,620,612	145.48%
IDA	IDACORP Inc.	2.30%	7,957,763	7,291,532	7,624,648	223,410	34	0.78	0.46	324,882	145.42%
LNT	Alliant Energy	2.30%	24,930,000	23,081,000	24,005,500	772,000	31	0.72	0.49	1,089,173	141.08%
MGEE	MGE Energy	2.30%	2,702,143	2,506,329	2,604,236	108,581	24	0.55	0.58	142,483	131.22%
NWE	NorthWestern Corp.	2.30%	8,778,105	8,299,873	8,538,989	227,635	38	0.86	0.43	342,235	150.34%
OGE	OGE Energy	2.30%	17,068,800	16,110,400	16,589,600	539,500	31	0.71	0.50	758,516	140.60%
POR	Portland General	2.30%	14,863,000	13,329,000	14,096,000	496,000	28	0.65	0.52	681,126	137.32%
WEC	WEC Energy Group	2.30%	46,257,300	42,654,600	44,455,950	1,354,500	33	0.75	0.47	1,944,271	143.54%
Average											139.55%
Median											140.64%
Trimmed Average											140.01%
High											150.34%
Low											122.36%
Selected											139.55%

Notes

[1] Cornell, B. & Gerger, R. (2017). Estimating Terminal Values with Inflation: The Inputs Matter-It Is Not a Formulaic Exercise. *Business Valuation Review*, Volume 36, Number 4, 117-123.