

MGE Energy, Inc.	MGEE	2.46%	0.66	12.97%	10.51%	9.40%	10.29%
NextEra Energy, Inc.	NEE	2.46%	0.69	12.97%	10.51%	9.71%	10.53%
NorthWestern Corporation	NWE	2.46%	0.70	12.97%	10.51%	9.82%	10.60%
Southern Company	SO	2.46%	0.58	12.97%	10.51%	8.56%	9.66%
Wisconsin Energy Corporation	WEC	2.46%	0.63	12.97%	10.51%	9.03%	10.01%
Xcel Energy Inc.	XEL	2.46%	0.64	12.97%	10.51%	9.13%	10.09%
Mean						9.70%	10.52%

Notes:

[1] Source: Blue Chip Financial Forecasts, Vol. 40, No.12, December 1, 2021, at 2

[2] Source: Direct Exhibit AEB-5

[3] Source: Direct Exhibit AEB-6

[4] Equals [3] - [1]

[5] Equals [1] + [2] x [4]

[6] Equals [1] + 0.25 x ([4]) + 0.75 x ([2] x [4])

CAPITAL ASSET PRICING MODEL -- LONG-TERM PROJECTED RISK-FREE RATE & VALUE LINE LT BETA

$$K = R_f + \beta (R_m - R_f)$$

$$K = R_f + 0.25 \times (R_m - R_f) + 0.75 \times \beta \times (R_m - R_f)$$

Company	Ticker	[1]	[2]	[3]	[4]	[5]	[6]
		Projected 30-year U.S. Treasury bond yield (2023 - 2027)	Beta (β)	Market Return (Rm)	Market Risk Premium (Rm - Rf)	ROE (K)	ECAPM ROE (K)
NiSource Inc.	NI	3.40%	0.73	12.97%	9.57%	10.40%	11.04%
Alliant Energy Corporation	LNT	3.40%	0.73	12.97%	9.57%	10.34%	11.00%
Ameren Corporation	AEE	3.40%	0.72	12.97%	9.57%	10.29%	10.96%
Avista Corporation	AVA	3.40%	0.73	12.97%	9.57%	10.39%	11.03%
Black Hills Corporation	BKH	3.40%	0.86	12.97%	9.57%	11.63%	11.96%
CMS Energy Corporation	CMS	3.40%	0.68	12.97%	9.57%	9.91%	10.67%
Duke Energy Corporation	DUK	3.40%	0.62	12.97%	9.57%	9.33%	10.24%
MGE Energy, Inc.	MGEE	3.40%	0.66	12.97%	9.57%	9.72%	10.53%
NextEra Energy, Inc.	NEE	3.40%	0.69	12.97%	9.57%	10.00%	10.74%
NorthWestern Corporation	NWE	3.40%	0.70	12.97%	9.57%	10.10%	10.82%
Southern Company	SO	3.40%	0.58	12.97%	9.57%	8.95%	9.96%
Wisconsin Energy Corporation	WEC	3.40%	0.63	12.97%	9.57%	9.38%	10.28%
Xcel Energy Inc.	XEL	3.40%	0.64	12.97%	9.57%	9.48%	10.35%
Mean						9.99%	10.74%

Notes:

[1] Source: Blue Chip Financial Forecasts, Vol. 40, No. 12, December 1, 2021, at 14

[2] Source: Direct Exhibit AEB-5

[3] Source: Direct Exhibit AEB-6

[4] Equals [3] - [1]

[5] Equals [1] + [2] x [4]

[6] Equals [1] + 0.25 x ([4]) + 0.75 x ([2] x [4])