CAPITAL ASSET PRICING MODEL (CAPM) COST OF COMMON EQUITY ESTIMATES FOR AMEREN AND LDC PEER GROUP BASED ON 20-YEAR US TREASURY

 $(1) \qquad \qquad (2) \qquad \qquad (3)$

| 20-Year | | | CA | .PM | |
|-----------|--|--|--|---|---|
| Risk | | Market | | Cost of | |
| Free Risk | | Common | | | |
| Rate | Beta | Premiums | | Equity Range | |
| 4.74% | 0.69 | 5.00% | 6.00% | 8.19% | 8.88% |
| 4.74% | 0.72 | 5.00% | 6.00% | 8.33% | 9.05% |
| 4.74% | 0.79 | 5.00% | 6.00% | 8.67% | 9.46% |
| 4.74% | 0.72 | 5.00% | 6.00% | 8.33% | 9.05% |
| 4.74% | 0.69 | 5.00% | 6.00% | 8.17% | 8.85% |
| 4.74% | 0.69 | 5.00% | 6.00% | 8.21% | 8.90% |
| 4.74% | 0.75 | 5.00% | 6.00% | 8.47% | 9.22% |
| 4.74% | 0.77 | 5.00% | 6.00% | 8.57% | 9.34% |
| | 0.73 | | | 8.39% | 9.12% |
| | Risk Free Rate 4.74% 4.74% 4.74% 4.74% 4.74% 4.74% 4.74% | Risk Free Rate Beta 4.74% 0.69 4.74% 0.72 4.74% 0.79 4.74% 0.72 4.74% 0.69 4.74% 0.69 4.74% 0.75 4.74% 0.75 | Risk Ma Free Ri Rate Beta Prem 4.74% 0.69 5.00% 4.74% 0.72 5.00% 4.74% 0.79 5.00% 4.74% 0.72 5.00% 4.74% 0.69 5.00% 4.74% 0.75 5.00% 4.74% 0.75 5.00% 4.74% 0.77 5.00% | Risk Market Free Risk Rate Beta Premiums 4.74% 0.69 5.00% 6.00% 4.74% 0.72 5.00% 6.00% 4.74% 0.79 5.00% 6.00% 4.74% 0.69 5.00% 6.00% 4.74% 0.69 5.00% 6.00% 4.74% 0.75 5.00% 6.00% 4.74% 0.77 5.00% 6.00% | Risk Market Control Free Risk Common Sequence Rate Beta Premiums Equity 4.74% 0.69 5.00% 6.00% 8.19% 4.74% 0.72 5.00% 6.00% 8.33% 4.74% 0.79 5.00% 6.00% 8.33% 4.74% 0.72 5.00% 6.00% 8.33% 4.74% 0.69 5.00% 6.00% 8.17% 4.74% 0.69 5.00% 6.00% 8.21% 4.74% 0.75 5.00% 6.00% 8.47% 4.74% 0.77 5.00% 6.00% 8.57% |

Column 1 = Average of last 3 Months of 20-Year Treasuries obtained from the St. Louis Federal Reserve website at https://fred.stlouisfed.org/series/GS20

Column 2 = Beta is a measure of the movement and relative risk of an individual stock to the market as a whole. I used a template provided by S&P Market Intelligence that calculates raw betas based on the Value Line approach. However, instead of using five years of data, I used four years of data. I then adjusted the raw beta using the following Blume formula: Adjusted Beta = 0.35 + 0.67 * Unadjusted Beta

Column 3 = The market risk premium is similar to historical spreads and estimates provided by sources, such as Kroll.

Column 4 = (Column 1 + (Column 2 * Column 3)).

CAPITAL ASSET PRICING MODEL (CAPM) COST OF COMMON EQUITY ESTIMATES FOR AMEREN AND LDC PEER GROUP BASED ON 30-YEAR US TREASURY

| | (1) | (2) | (3) | (4) | |
|-----------------------------------|---------|------|-------------|--------------|-------|
| | | | | | |
| | | | | | |
| | 30-Year | | | CA | PM |
| | Risk | | Market | Cos | st of |
| | Free | | Risk | Com | mon |
| Company Name | Rate | Beta | Premiums | Equity Range | |
| Ameren Corp | 4.66% | 0.69 | 5.00% 6.00% | 8.11% | 8.80% |
| Atmos Energy Corporation | 4.66% | 0.72 | 5.00% 6.00% | 8.25% | 8.97% |
| New Jersey Resources Corporation | 4.66% | 0.79 | 5.00% 6.00% | 8.59% | 9.38% |
| NiSource Inc. | 4.66% | 0.72 | 5.00% 6.00% | 8.25% | 8.97% |
| Northwest Natural Holding Company | 4.66% | 0.69 | 5.00% 6.00% | 8.09% | 8.77% |
| ONE Gas, Inc. | 4.66% | 0.69 | 5.00% 6.00% | 8.13% | 8.82% |
| Southwest Gas Holdings, Inc. | 4.66% | 0.75 | 5.00% 6.00% | 8.39% | 9.14% |
| Spire Inc. | 4.66% | 0.77 | 5.00% 6.00% | 8.49% | 9.26% |
| LDC Average | | 0.73 | | 8.31% | 9.04% |

Column 1 = Average of last 3 Months of 30-Year Treasuries obtained from the St. Louis Federal Reserve website at https://fred.stlouisfed.org/series/GS20

Column 2 = Beta is a measure of the movement and relative risk of an individual stock to the market as a whole. I used a template provided by S&P Market Intelligence that calculates raw betas based on the Value Line approach. However, instead of using five years of data, I used four years of data. I then adjusted the raw beta using the following Blume formula: Adjusted Beta = 0.35 + 0.67 * Unadjusted Beta

Column 3 = The market risk premium is similar to historical spreads and estimates provided by sources, such as Kroll.

Column 4 = (Column 1 + (Column 2 * Column 3)).

CAPITAL ASSET PRICING MODEL (CAPM) COST OF COMMON EQUITY ESTIMATES FOR AMEREN AND LDC PEER GROUP BASED ON KROLL RECOMMENDED RISK-FREE RATE AND RISK PREMIUM

(1) (2) (3)

| | | | Kroll | CAPM |
|-----------------------------------|-------------------|--------|---------|--------|
| | Kroll Recommended | Market | Cost of | |
| | Risk-free | | Risk | Common |
| Company Name | Rate | Beta | Premium | Equity |
| Ameren Corp | 4.92% | 0.69 | 5.00% | 8.37% |
| Atmos Energy Corporation | 4.92% | 0.72 | 5.00% | 8.52% |
| New Jersey Resources Corporation | 4.92% | 0.79 | 5.00% | 8.86% |
| NiSource Inc. | 4.92% | 0.72 | 5.00% | 8.52% |
| Northwest Natural Holding Company | 4.92% | 0.69 | 5.00% | 8.35% |
| ONE Gas, Inc. | 4.92% | 0.69 | 5.00% | 8.39% |
| Southwest Gas Holdings, Inc. | 4.92% | 0.75 | 5.00% | 8.65% |
| Spire Inc. | 4.92% | 0.77 | 5.00% | 8.75% |
| LDC Average | | 0.73 | | 8.58% |

Column 1 = Kroll Most Recent Guidance on Normalized Risk-free Rate as of June 16, 2022 Recommended U.S. Equity Risk Premium and Corresponding Risk-Free Rates (kroll.com)

Column 2 = Beta is a measure of the movement and relative risk of an individual stock to the market as a whole. I used a template provided by S&P Market Intelligence that calculates raw betas based on the Value Line approach. However, instead of using five years of data, I used four years of data. I then adjusted the raw beta using the following Blume formula: Adjusted Beta = 0.35 + 0.67 * Unadjusted Beta

Column 3 = Kroll's guidance as of June 6, 2024 on equity risk premium to be used in conjunction with normalized risk-free rate. Kroll Lowers its Recommended U.S. Equity Risk Premium to 5.0%, Effective June 5, 2024

Column 4 = (Column 1 + (Column 2 * Column 3)).