| | Exh. AMM-9 |
|--|------------------------------------|
| | WUTC DOCKET: 190334 EXHIBIT: AMM-9 |
| | ADMIT ☑ W/D ☐ REJECT ☐ |
| | |
| | |
| | |
| | |
| BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION | N COMMISSION |
| | |
| DOCKET NO. UE-19 | |
| DOCKET NO. UG-19 | |
| | |
| EXH. AMM-9 | |
| ADRIEN M. MCKENZIE | |
| REPRESENTING AVISTA CORPORATION | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

UTILITY GROUP

| | | (a) | (b) | | (c) | | (d) | | (e) | (d) | | | | (f) | (g) | |
|----|----------------------|---------------------------------|--------|---------|-----------|---------|--------|----------|------|----------|--------|-------|---------------------------|------------|------------|---------------------------|
| | | Market Return (R _m) | | | | | | | | | | | | | | Size |
| | - | Div | Proj. | Cost of | Risk-Free | Risk | Unadju | sted RP | Beta | Adjusted | RP | Total | Unadjusted | Market | Size | Adjusted |
| | Company | Yield | Growth | Equity | Rate | Premium | Weight | RP^{1} | Beta | Weight | RP^2 | RP | $\mathbf{K}_{\mathbf{e}}$ | Cap | Adjustment | $\mathbf{K}_{\mathbf{e}}$ |
| 1 | Algonquin Pwr & Util | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | n/a | 75% | n/a | n/a | n/a | \$5,520.0 | 0.82% | n/a |
| 2 | Ameren Corp. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.60 | 75% | 4.5% | 7.1% | 10.2% | \$17,912.1 | 0.50% | 10.7% |
| 3 | Avangrid, Inc. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.40 | 75% | 3.0% | 5.6% | 8.7% | \$15,252.5 | 0.50% | 9.2% |
| 4 | Avista Corp. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.65 | 75% | 4.9% | 7.4% | 10.5% | \$2,684.7 | 1.54% | 12.1% |
| 5 | Black Hills Corp. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.75 | 75% | 5.7% | 8.2% | 11.3% | \$4,359.3 | 1.26% | 12.6% |
| 6 | CenterPoint Energy | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.80 | 75% | 6.1% | 8.6% | 11.7% | \$15,346.7 | 0.50% | 12.2% |
| 7 | CMS Energy Corp. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.55 | 75% | 4.2% | 6.7% | 9.8% | \$15,647.9 | 0.50% | 10.3% |
| 8 | Dominion Energy | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.55 | 75% | 4.2% | 6.7% | 9.8% | \$49,197.1 | -0.29% | 9.5% |
| 9 | DTE Energy Co. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.55 | 75% | 4.2% | 6.7% | 9.8% | \$22,420.4 | 0.50% | 10.3% |
| 10 | Edison International | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.55 | 75% | 4.2% | 6.7% | 9.8% | \$21,171.2 | 0.50% | 10.3% |
| 11 | El Paso Electric Co. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.65 | 75% | 4.9% | 7.4% | 10.5% | \$2,359.1 | 1.54% | 12.1% |
| 12 | Emera Inc. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.55 | 75% | 4.2% | 6.7% | 9.8% | \$11,301.6 | 0.84% | 10.6% |
| 13 | Entergy Corp. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.60 | 75% | 4.5% | 7.1% | 10.2% | \$17,950.9 | 0.50% | 10.7% |
| 14 | Exelon Corp. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.70 | 75% | 5.3% | 7.8% | 10.9% | \$48,021.2 | -0.29% | 10.6% |
| 15 | FirstEnergy Corp. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.65 | 75% | 4.9% | 7.4% | 10.5% | \$21,092.0 | 0.50% | 11.1% |
| 16 | Hawaiian Elec. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.60 | 75% | 4.5% | 7.1% | 10.2% | \$4,419.4 | 1.26% | 11.4% |
| 17 | IDACORP, Inc. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.55 | 75% | 4.2% | 6.7% | 9.8% | \$5,011.8 | 0.82% | 10.6% |
| 18 | NorthWestern Corp. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.55 | 75% | 4.2% | 6.7% | 9.8% | \$3,544.8 | 1.26% | 11.0% |
| 19 | OGE Energy Corp. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.85 | 75% | 6.4% | 9.0% | 12.1% | \$8,551.2 | 0.84% | 12.9% |
| 20 | Otter Tail Corp. | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.70 | 75% | 5.3% | 7.8% | 10.9% | \$1,951.1 | 1.58% | 12.5% |
| 21 | PNM Resources | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.65 | 75% | 4.9% | 7.4% | 10.5% | \$3,748.5 | 1.26% | 11.8% |
| 22 | Sempra Energy | 2.5% | 10.7% | 13.2% | 3.1% | 10.1% | 25% | 2.5% | 0.75 | 75% | 5.7% | 8.2% | 11.3% | \$34,459.3 | -0.29% | 11.0% |
| | Average | | | | | | | | | | | | 10.4% | | | 11.1% |
| | Midpoint (h) | | | | | | | | | | | | 10.4% | | | 11.1% |

⁽a) Weighted average for dividend-paying stocks in the S&P 500 based on data from www.zacks.com (retrieved Mar. 11, 2019)

⁽b) Average of weighted average earnings growth rates from Value Line Investment Survey, IBES, and Zacks Investment Research for dividend-paying stocks in the S&P 500 based on data from www.valueline.com (retrieved Mar. 11, 2019), http://finance.yahoo.com (retrieved Mar. 11, 2019), and www.zacks.com (retrieved Mar. 11, 2019).

⁽c) Average yield on 30-year Treasury bonds for the six-months ending Mar. 2019 based on data from the Federal Reserve at https://fred.stlouisfed.org/..

⁽d) Roger A. Morin, New Regulatory Finance, Pub. Util. Reports, Inc. (2006) at 190.

⁽e) The Value Line Investment Survey (Jan. 25, Feb. 15 & Mar. 15, 2019).

⁽f) www.valueline.com (retrieved Mar. 26, 2019).

⁽g) Duff & Phelps, 2019 CRSP Deciles Size Study -- Supplementary Data Exhibits, Cost of Capital Navigator

⁽h) Average of low and high values.