

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

DOCKET NO. UE-19 _____

DOCKET NO. UG-19 _____

EXH. AMM-7

ADRIEN M. MCKENZIE

REPRESENTING AVISTA CORPORATION

DCF MODEL - UTILITY GROUP

BR+SV GROWTH RATE

	<u>Company</u>	(a)	(a)	(a)	(b)		(c)	<u>br</u>	(d)	(e)		<u>br + sv</u>	
		<u>2022</u>	<u>2022</u>	<u>2022</u>	<u>Factor</u>	<u>Adjusted r</u>	<u>"sv" Factor</u>		<u>s</u>	<u>v</u>	<u>sv</u>		
		<u>EPS</u>	<u>DPS</u>	<u>BVPS</u>	<u>b</u>	<u>r</u>	<u>Factor</u>	<u>Adjusted r</u>	<u>br</u>	<u>s</u>	<u>v</u>	<u>sv</u>	<u>br + sv</u>
1	Algonquin Pwr & Util	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2	Ameren Corp.	\$4.25	\$2.55	\$40.25	40.0%	10.6%	1.0290	10.9%	4.3%	0.0111	0.3808	0.42%	4.8%
3	Avangrid, Inc.	\$3.50	\$2.40	\$54.25	31.4%	6.5%	1.0092	6.5%	2.0%	-	0.0136	0.00%	2.0%
4	Avista Corp.	\$2.75	\$1.75	\$30.75	36.4%	8.9%	1.0243	9.2%	3.3%	0.0245	0.2765	0.68%	4.0%
5	Black Hills Corp.	\$4.25	\$2.45	\$42.75	42.4%	9.9%	1.0424	10.4%	4.4%	0.0433	0.3893	1.68%	6.1%
6	CenterPoint Energy	\$2.25	\$1.35	\$22.25	40.0%	10.1%	1.0645	10.8%	4.3%	0.0198	0.2583	0.51%	4.8%
7	CMS Energy Corp.	\$3.25	\$2.00	\$24.50	38.5%	13.3%	1.0429	13.8%	5.3%	0.0202	0.5333	1.08%	6.4%
8	Dominion Energy	\$5.25	\$4.45	\$40.00	15.2%	13.1%	1.0501	13.8%	2.1%	0.0928	0.5789	5.37%	7.5%
9	DTE Energy Co.	\$7.50	\$4.80	\$73.50	36.0%	10.2%	1.0360	10.6%	3.8%	0.0312	0.3875	1.21%	5.0%
10	Edison International	\$5.50	\$2.70	\$45.25	50.9%	12.2%	1.0234	12.4%	6.3%	-	0.3296	0.00%	6.3%
11	El Paso Electric Co.	\$2.75	\$1.85	\$32.75	32.7%	8.4%	1.0226	8.6%	2.8%	0.0033	0.3762	0.12%	2.9%
12	Emera Inc.	\$4.00	\$2.72	\$37.85	32.0%	10.6%	1.0079	10.7%	3.4%	0.0330	0.4779	1.58%	5.0%
13	Entergy Corp.	\$6.00	\$4.00	\$57.75	33.3%	10.4%	1.0310	10.7%	3.6%	0.0322	0.3400	1.09%	4.7%
14	Exelon Corp.	\$4.00	\$1.80	\$41.75	55.0%	9.6%	1.0293	9.9%	5.4%	0.0035	0.1211	0.04%	5.5%
15	FirstEnergy Corp.	\$3.50	\$1.90	\$19.50	45.7%	17.9%	1.0564	19.0%	8.7%	0.0228	0.5895	1.34%	10.0%
16	Hawaiian Elec.	\$2.25	\$1.40	\$23.75	37.8%	9.5%	1.0240	9.7%	3.7%	0.0104	0.2692	0.28%	3.9%
17	IDACORP, Inc.	\$5.25	\$3.05	\$55.25	41.9%	9.5%	1.0211	9.7%	4.1%	(0.0001)	0.3094	0.00%	4.1%
18	NorthWestern Corp.	\$3.75	\$2.60	\$42.50	30.7%	8.8%	1.0179	9.0%	2.8%	0.0100	0.3462	0.35%	3.1%
19	OGE Energy Corp.	\$2.75	\$1.95	\$23.50	29.1%	11.7%	1.0161	11.9%	3.5%	-	0.4778	0.00%	3.5%
20	Otter Tail Corp.	\$2.50	\$1.65	\$23.25	34.0%	10.8%	1.0280	11.1%	3.8%	0.0211	0.5105	1.08%	4.8%
21	PNM Resources	\$2.50	\$1.35	\$26.50	46.0%	9.4%	1.0263	9.7%	4.5%	0.0117	0.2933	0.34%	4.8%
22	Sempra Energy	\$8.00	\$4.90	\$67.25	38.8%	11.9%	1.0486	12.5%	4.8%	0.0819	0.5019	4.11%	8.9%

BR+SV GROWTH RATE

	<u>Company</u>	(a)	(a)	(f)	(a)	(a)	(f)	(g)	(a)	(a)	(h)	(a)	(a)	(g)	
		<u>Eq Ratio</u>	<u>Tot Cap</u>	<u>Com Eq</u>	<u>Eq Ratio</u>	<u>Tot Cap</u>	<u>Com Eq</u>	<u>Equity</u>	<u>High</u>	<u>Low</u>	<u>Avg.</u>	<u>M/B</u>	<u>2017</u>	<u>2022</u>	<u>Growth</u>
1	Algonquin Pwr & Util	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
2	Ameren Corp.	48.8%	\$15,632	\$7,628	49.5%	\$20,600	\$10,197	6.0%	\$75.00	\$55.00	\$65.00	1.615	244.50	253.00	0.69%
3	Avangrid, Inc.	71.5%	\$21,350	\$15,265	61.5%	\$27,200	\$16,728	1.8%	\$65.00	\$45.00	\$55.00	1.014	309.00	309.00	0.00%
4	Avista Corp.	52.8%	\$3,273	\$1,728	49.5%	\$4,450	\$2,203	5.0%	\$50.00	\$35.00	\$42.50	1.382	65.49	71.50	1.77%
5	Black Hills Corp.	35.5%	\$4,818	\$1,711	50.5%	\$5,175	\$2,613	8.8%	\$80.00	\$60.00	\$70.00	1.637	53.54	61.00	2.64%
6	CenterPoint Energy	37.5%	\$16,740	\$6,278	48.5%	\$24,700	\$11,980	13.8%	\$35.00	\$25.00	\$30.00	1.348	501.20	539.00	1.46%
7	CMS Energy Corp.	30.7%	\$15,476	\$4,751	36.5%	\$20,000	\$7,300	9.0%	\$60.00	\$45.00	\$52.50	2.143	283.37	297.00	0.94%
8	Dominion Energy	39.0%	\$51,250	\$19,988	41.0%	\$80,500	\$33,005	10.6%	\$110.00	\$80.00	\$95.00	2.375	677.00	820.00	3.91%
9	DTE Energy Co.	45.8%	\$22,371	\$10,246	46.5%	\$31,600	\$14,694	7.5%	\$140.00	\$100.00	\$120.00	1.633	181.93	200.00	1.91%
10	Edison International	45.8%	\$25,506	\$11,682	46.0%	\$32,100	\$14,766	4.8%	\$80.00	\$55.00	\$67.50	1.492	325.81	325.81	0.00%
11	El Paso Electric Co.	47.3%	\$2,270	\$1,074	44.5%	\$3,025	\$1,346	4.6%	\$60.00	\$45.00	\$52.50	1.603	40.58	41.00	0.21%
12	Emera Inc.	33.7%	\$22,609	\$7,608	36.2%	\$22,765	\$8,231	1.6%	\$85.00	\$60.00	\$72.50	1.915	234.12	255.00	1.72%
13	Entergy Corp.	35.9%	\$24,602	\$8,832	39.5%	\$30,500	\$12,048	6.4%	\$105.00	\$70.00	\$87.50	1.515	189.06	210.00	2.12%
14	Exelon Corp.	47.0%	\$65,225	\$30,656	51.0%	\$80,600	\$41,106	6.0%	\$55.00	\$40.00	\$47.50	1.138	968.00	983.00	0.31%
15	FirstEnergy Corp.	24.0%	\$25,325	\$6,078	33.5%	\$31,900	\$10,687	11.9%	\$55.00	\$40.00	\$47.50	2.436	525.00	550.00	0.93%
16	Hawaiian Elec.	55.7%	\$3,766	\$2,097	55.0%	\$4,850	\$2,668	4.9%	\$35.00	\$30.00	\$32.50	1.368	108.79	113.00	0.76%
17	IDACORP, Inc.	56.3%	\$3,998	\$2,251	57.0%	\$4,875	\$2,779	4.3%	\$90.00	\$70.00	\$80.00	1.448	50.42	50.40	-0.01%
18	NorthWestern Corp.	49.8%	\$3,615	\$1,800	53.5%	\$4,025	\$2,153	3.6%	\$75.00	\$55.00	\$65.00	1.529	49.37	51.00	0.65%
19	OGE Energy Corp.	58.0%	\$6,902	\$4,003	54.5%	\$8,625	\$4,701	3.3%	\$50.00	\$40.00	\$45.00	1.915	199.70	199.70	0.00%
20	Otter Tail Corp.	55.3%	\$1,319	\$729	49.5%	\$1,950	\$965	5.8%	\$55.00	\$40.00	\$47.50	2.043	39.66	41.75	1.03%
21	PNM Resources	43.6%	\$3,888	\$1,695	42.0%	\$5,250	\$2,205	5.4%	\$45.00	\$30.00	\$37.50	1.415	79.65	83.00	0.83%
22	Sempra Energy	43.5%	\$29,135	\$12,674	44.5%	\$46,300	\$20,604	10.2%	\$155.00	\$115.00	\$135.00	2.007	251.36	307.00	4.08%

- (a) The Value Line Investment Survey (Jan. 25, Feb. 15 & Mar. 15, 2019)
- (b) Computed using the formula $2 * (1 + 5\text{-Yr. Change in Equity}) / (2 + 5 \text{ Yr. Change in Equity})$.
- (c) Product of average year-end "r" for 2022 and Adjustment Factor.
- (d) Product of change in common shares outstanding and M/B Ratio.
- (e) Computed as $1 - B/M$ Ratio.
- (f) Product of total capital and equity ratio.
- (g) Five-year compound rate of change.
- (h) Average of High and Low expected market prices divided by 2022 BVPS.