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**AVISTA CORPORATION  
 DCF GROWTH RATE PARAMETERS**

COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
TE	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	0.2000	10.3%	2.06%	9.75	213.90	
2010	0.2743	11.2%	3.07%	10.10	214.90	
2011	0.3307	12.0%	3.97%	10.50	215.80	
2012	0.2281	10.7%	2.44%	10.58	216.60	
2013	0.0435	8.5%	0.37%	10.75	217.30	
AVERAGE GROWTH			2.38%	4.00%		0.40%
2014	0.0737	9.0%	0.66%		218.00	0.32%
2015	0.1200	9.5%	1.14%		218.00	0.32%
2017-2019	0.2963	11.5%	3.41%	2.00%	218.00	0.06%

COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
ALE	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	0.0688	6.6%	0.45%	26.41	35.20	
2010	0.1963	7.7%	1.51%	27.26	35.80	
2011	0.3283	8.7%	2.86%	28.78	37.50	
2012	0.2868	8.1%	2.32%	30.48	39.40	
2013	0.2776	7.8%	2.17%	32.44	41.40	
AVERAGE GROWTH			1.86%	5.00%		4.14%
2014	0.3123	7.5%	2.34%		45.50	9.90%
2015	0.3200	8.5%	2.72%		46.00	5.41%
2017-2019	0.3867	9.0%	3.48%	4.50%	47.50	2.79%

COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
AEP	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	0.4478	10.3%	4.61%	27.49	478.05	
2010	0.3423	9.1%	3.12%	28.33	480.81	
2011	0.4089	10.3%	4.21%	30.33	483.42	
2012	0.3691	9.5%	3.51%	31.37	485.67	
2013	0.3868	9.5%	3.67%	32.95	488.00	
AVERAGE GROWTH			3.82%	4.50%		0.52%
2014	0.3879	9.5%	3.68%		490.00	0.41%
2015	0.3765	9.0%	3.39%		492.00	0.41%
2017-2019	0.3750	10.0%	3.75%	4.50%	498.00	0.41%

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COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
<b>CNL</b>	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	0.4886	9.5%	4.64%	18.5	60.26	
2010	0.5721	10.6%	6.06%	21.76	60.53	
2011	0.5676	11.1%	6.30%	23.55	60.29	
2012	0.5185	10.9%	5.65%	24.84	60.36	
2013	0.4604	10.0%	<u>4.60%</u>	<u>26.2</u>	<u>60.50</u>	
AVERAGE GROWTH			5.45%	9.00%		0.10%
2014	0.4436	10.0%	4.44%		60.50	0.00%
2015	0.4567	10.5%	4.80%		60.50	0.00%
2017-2019	0.4286	10.5%	4.50%	5.00%	60.50	0.00%

COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
<b>ETR</b>	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	0.5238	14.0%	7.33%	45.54	189.12	
2010	0.5135	14.4%	7.39%	47.53	178.75	
2011	0.5603	14.8%	8.29%	50.81	176.36	
2012	0.4485	11.5%	5.16%	51.73	177.81	
2013	0.3528	9.5%	<u>3.35%</u>	<u>54</u>	<u>178.37</u>	
AVERAGE GROWTH			6.31%	5.00%		-1.45%
2014	0.3083	8.5%	2.62%		178.50	0.07%
2015	0.3360	8.5%	2.86%		178.50	0.04%
2017-2019	0.4087	9.0%	3.68%	3.50%	178.50	0.01%

COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
<b>OGE</b>	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	0.4662	12.7%	5.92%	10.52	194.00	
2010	0.5133	12.9%	6.62%	11.73	195.20	
2011	0.5607	13.4%	7.51%	13.06	196.20	
2012	0.5531	12.8%	7.08%	14.00	197.60	
2013	0.5619	12.8%	<u>7.19%</u>	<u>15.30</u>	<u>198.50</u>	
AVERAGE GROWTH			6.87%	8.50%		0.57%
2014	0.5350	12.5%	6.69%		200.00	0.76%
2015	0.5095	12.0%	6.11%		201.00	0.63%
2017-2019	0.4600	12.0%	5.52%	6.50%	204.00	0.55%

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COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
WR	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	0.0625	6.2%	0.39%	20.29	109.07	
2010	0.3111	8.5%	2.64%	21.25	112.13	
2011	0.2849	7.7%	2.19%	22.03	125.70	
2012	0.3860	9.5%	3.67%	22.89	126.50	
2013	0.4009	9.5%	3.81%	23.32	127.46	
AVERAGE GROWTH			2.54%	4.50%		3.97%
2014	0.4043	9.5%	3.84%		128.50	0.82%
2015	0.4353	9.5%	4.14%		129.00	0.60%
2017-2019	0.4327	10.0%	4.33%	5.00%	135.00	1.16%

COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
AVA	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	0.4873	8.3%	4.04%	19.17	54.84	
2010	0.3939	8.2%	3.23%	19.71	57.12	
2011	0.3605	8.5%	3.06%	20.30	58.42	
2012	0.1212	6.2%	0.75%	21.06	59.81	
2013	0.3405	8.6%	2.93%	21.61	60.08	
AVERAGE GROWTH			2.80%	3.50%		2.31%
2014	0.3135	8.0%	2.51%		63.00	4.86%
2015	0.3231	8.5%	2.75%		63.50	2.81%
2017-2019	0.3333	9.0%	3.00%	3.00%	65.00	1.59%

COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
HE	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	-0.3626	5.8%	-2.10%	15.58	92.52	
2010	-0.0248	7.7%	-0.19%	15.67	94.69	
2011	0.1389	9.0%	1.25%	15.95	96.04	
2012	0.2575	10.2%	2.63%	16.28	97.93	
2013	0.2346	9.4%	2.20%	17.06	101.26	
AVERAGE GROWTH			0.76%	2.50%		2.28%
2014	0.2250	9.0%	2.03%		103.00	1.72%
2015	0.2485	9.0%	2.24%		105.00	1.83%
2017-2019	0.3500	9.5%	3.33%	3.50%	111.00	1.85%

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COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
IDA	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	0.5455	8.9%	4.85%	29.17	47.90	
2010	0.5932	9.3%	5.52%	31.01	49.41	
2011	0.6429	10.1%	6.49%	33.19	49.95	
2012	0.5935	9.6%	5.70%	35.07	50.16	
2013	0.5687	9.9%	5.63%	36.84	50.23	
AVERAGE GROWTH			5.64%	5.50%		1.19%
2014	0.5086	9.0%	4.58%		50.23	0.00%
2015	0.4783	8.5%	4.07%		50.20	-0.03%
2017-2019	0.4521	8.0%	3.62%	4.50%	51.20	0.38%

COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
NWE	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	0.3366	9.3%	3.13%	21.86	36.00	
2010	0.3645	9.4%	3.43%	22.64	36.23	
2011	0.4308	10.8%	4.65%	23.68	36.28	
2012	0.3451	9.0%	3.11%	25.09	37.22	
2013	0.3821	9.1%	3.48%	26.60	38.75	
AVERAGE GROWTH			3.56%	3.50%		1.86%
2014	0.3962	9.5%	3.76%		39.00	0.65%
2015	0.3891	9.5%	3.70%		39.05	0.39%
2017-2019	0.3667	9.5%	3.48%	4.00%	39.20	0.23%

COMPANY	INTERNAL GROWTH			EXTERNAL GROWTH		
PCG	RETENTION RATIO	EQUITY RETURN	"g"	BOOK VALUE (\$/SHARE)	SHARES OUTST (MILLIONS)	SHARE GROWTH
2009	0.4455	11.2%	4.99%	27.88	370.60	
2010	0.3546	9.7%	3.44%	28.55	395.23	
2011	0.3453	9.2%	3.18%	29.35	412.26	
2012	0.1208	6.7%	0.81%	30.35	430.72	
2013	0.0055	5.7%	0.03%	31.41	456.67	
AVERAGE GROWTH			2.49%	4.50%		5.36%
2014	0.1727	6.5%	1.12%		477.00	4.45%
2015	0.2720	7.5%	2.04%		485.00	3.06%
2017-2019	0.3000	8.5%	2.55%	3.00%	500.00	1.83%