Exhibit No. ___(RJF-6)
Docket Nos. UE-050482 and UG-050483
Witness: Randall J. Falkenberg

BEFORE THE WASHINGTON
UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION, Complainant, vs. AVISTA CORPORATION, Respondent.	)	**Docket No. UE-050482** **Docket No. UG-050483** *(consolidated)*

EXHIBIT NO.___(RJF-6)

SUMMARY OF 1879-2004 HYDRO DATA AND AURORA MODEL RESULTS

August 26, 2005

Summary of 1879-2004 Hydro Data and Aurora Model Results

Year	Projected/Actual Energy Priest Rapi	Spokane	Clark Fork	Total	Linear Model Power Cost	Hydro Filter
1879	78.3	138.3	413.9	630.5	49,561	0
1880	83.6	145.0	451.7	680.3	33,615	0
1881	80.2	140.6	427.0	647.8	44,025	0
1882	76.1	135.4	397.7	609.2	56,396	0
1883	69.9	127.4	352.6	549.9	75,407	1
1884	73.9	132.6	381.8	588.3	63,097	1
1885	71.5	129.5	364.6	565.7	70,324	1
1886	69.3	126.6	348.3	544.3	77,201	1
1887	83.6	145.1	452.0	680.7	33,478	0
1888	68.5	125.7	342.8	537.0	79,515	1
1889	53.3	106.1	232.8	392.3	125,902	0
1890	68.1	125.1	339.6	532.8	80,870	1
1891	62.3	117.7	297.8	477.8	98,493	1
1892	68.3	118.0	341.4	527.7	82,521	1
1893	75.5	128.4	393.6	597.5	60,152	1
1894	83.0	139.9	447.7	670.6	36,738	0
1895	65.1	112.8	317.6	495.5	92,839	1
1896	77.5	138.4	407.8	623.7	51,751	0
1897	77.8	137.4	410.1	625.3	51,245	0
1898	73.6	137.4	379.8	590.8	62,293	1
1899	79.6	140.6	423.3	643.6	45,387	0
1900	73.3	129.6	377.0	579.9	65,782	1
1901	70.8	130.3	359.3	560.5	72,008	1
1902	68.1	128.0	339.6	535.7	79,950	1
1903	74.1	132.4	383.3	589.7	62,633	1
1904	74.7	125.6	387.8	588.1	63,154	1
1905	56.0	106.3	252.1	414.5	118,788	0
1906	61.2	116.3	289.4	466.9	102,001	1
1907	74.2	124.3	383.6	582.0	65,101	1
1908	67.3	114.6	334.2	516.1	86,217	1
1909	68.6	120.2	343.6	532.4	81,015	1
1910	71.0	128.6	360.8	560.4	72,023	1
1911	64.2	114.3	311.5	490.0	94,582	1
1912	65.6	121.9	321.5	508.9	88,526	1
1913	72.3	132.1	369.9	574.3	67,590	1
1914	66.3	116.4	326.7	509.5	88,355	1
1915	55.9	104.2	251.4	411.5	119,741	0
1916	77.4	135.1	407.2	619.7	53,022	0
1917	71.6	133.9	364.9	570.4	68,813	1
1918	70.0	129.1	346.4	545.5	76,812	1
1919	64.3	120.1	292.3	476.8	98,814	1
1920	63.4	112.6	294.8	470.7	100,766	1
1921	72.0	132.5	388.5	593.1	61,568	1
1922	61.7	113.5	308.0	483.2	96,776	1
1923	64.8	120.8	312.3	498.0	92,037	1

Summary of 1879-2004 Hydro Data and Aurora Model Results

1924	56.3	111.9	244.9	413.1	119,216	0
1925	70.8	128.6	346.0	545.4	76,823	1
1926	52.5	111.3	225.5	389.2	126,874	0
1927	76.2	141.9	385.3	603.3	58,278	0
1928	72.3	125.1	77.3	274.7	163,574	0
1929	52.2	94.0	240.9	387.2	124,962	0
1930	52.9	94.8	244.2	391.8	125,000	0
1931	53.2	93.3	196.2	342.7	146,682	0
1932	63.0	126.8	315.6	505.4	92,494	1
1933	75.3	139.3	375.2	589.8	61,451	1
1934	72.0	123.3	362.3	557.6	75,767	1
1935	64.7	120.0	280.9	465.6	101,826	1
1936	55.5	102.5	261.0	419.0	123,262	0
1937	50.0	107.6	206.3	364.0	136,180	0
1938	64.2	120.3	288.1	472.6	103,836	1
1939	55.7	103.6	262.4	421.6	117,119	0
1940	55.5	112.9	217.3	385.7	129,881	0
1941	57.4	118.8	216.0	392.2	122,853	0
1942	59.7	126.0	286.4	472.1	90,937	1
1943	65.6	122.9	376.0	564.5	73,500	1
1944	53.1	86.8	204.1	344.0	144,157	0
1945	52.8	123.9	252.4	429.2	111,179	0
1946	66.7	135.2	325.0	526.9	83,375	1
1947	70.1	136.8	377.8	584.7	55,758	1
1948	70.9	134.6	351.2	556.6	83,262	1
1949	61.4	121.4	294.8	477.6	100,980	1
1950	75.5	143.5	417.5	636.5	45,220	0
1951	75.3	136.1	415.1	626.5	48,997	0
1952	64.8	116.4	297.5	478.7	104,773	1
1953	63.8	129.0	307.1	500.0	92,043	1
1954	77.2	134.8	379.6	591.7	66,427	1
1955	67.2	130.0	330.8	528.1	82,771	1
1956	73.7	133.6	370.9	578.1	77,769	1
1957	63.1	119.5	293.4	476.0	111,859	1
1958	63.2	130.4	307.5	501.1	90,625	1
1959	80.2	145.1	449.2	674.6	28,935	0
1960	66.8	126.7	334.1	527.6	79,666	1
1961	69.9	119.8	309.2	498.8	99,242	1
1962	63.8	127.4	335.8	527.1	74,988	1
1963	62.6	115.4	296.5	474.4	93,139	1
1964	68.8	128.5	340.3	537.6	78,568	1
1965	69.1	130.5	404.7	604.2	52,851	0
1966	63.7	116.9	309.3	489.8	91,269	1
1967	70.1	126.6	339.7	536.4	82,104	1
1968	69.5	132.4	355.1	557.0	60,724	1
1969	70.3	122.2	339.7	532.3	90,552	1
1970	56.9	127.5	311.2	495.6	87,828	1
1971	73.0	132.1	388.9	593.9	70,041	1
1972	79.6	129.3	396.6	605.6	76,946	0

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1973	52.8	109.2	235.2	397.2	124,324	0
1974	77.6	134.2	409.6	621.3	52,505	0
1975	68.4	134.3	372.3	575.1	62,820	1
1976	76.3	126.4	381.5	584.3	68,680	1
1977	52.6	92.1	216.6	361.3	134,492	0
1978	68.8	122.6	364.7	556.1	65,798	1
1979	54.5	108.5	291.0	454.1	103,605	1
1980	59.5	122.0	329.4	510.9	81,298	1
1981	70.7	129.9	344.3	545.0	70,515	1
1982	73.8	129.3	375.1	578.1	70,276	1
1983	70.8	137.1	313.6	521.6	77,898	1
1984	64.2	131.9	306.8	502.9	89,877	1
1985	57.1	115.3	318.5	490.9	88,752	1
1986	62.7	115.4	319.3	497.4	90,457	1
1987	58.2	97.4	242.3	397.9	126,461	0
1988	53.4	100.9	247.2	401.5	119,187	0
1989	57.5	120.0	313.1	490.6	94,412	1
1990	70.2	130.6	351.9	552.8	74,483	1
1991	72.9	124.3	363.6	560.9	71,878	1
1992	58.1	103.9	231.0	393.0	125,664	0
1993	54.3	113.8	279.9	448.0	108,055	1
1994	55.5	101.4	227.4	384.4	128,432	0
1995	62.6	129.8	305.4	497.7	92,125	1
1996	80.3	132.3	424.9	637.5	47,323	0
1997	83.5	144.9	450.9	679.3	33,948	0
1998	63.3	114.0	289.8	467.1	101,924	1
1999	74.4	128.3	321.2	523.9	83,714	1
2000				504.9	89,812	1
2001				341.3	142,217	0
2002				521.3	84,555	1
2003				463.9	102,959	1
2004				492.7	93,720	1
					All Years	Filtered
Shaded Figures were estimated using regression models		Average		518.2	$85,600	82,491
		St. Dev.		83.5	27067.1	
		Plus 1 SD		601.7	112667.2	
		Minus 1 SD		434.7	58533.0	