

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

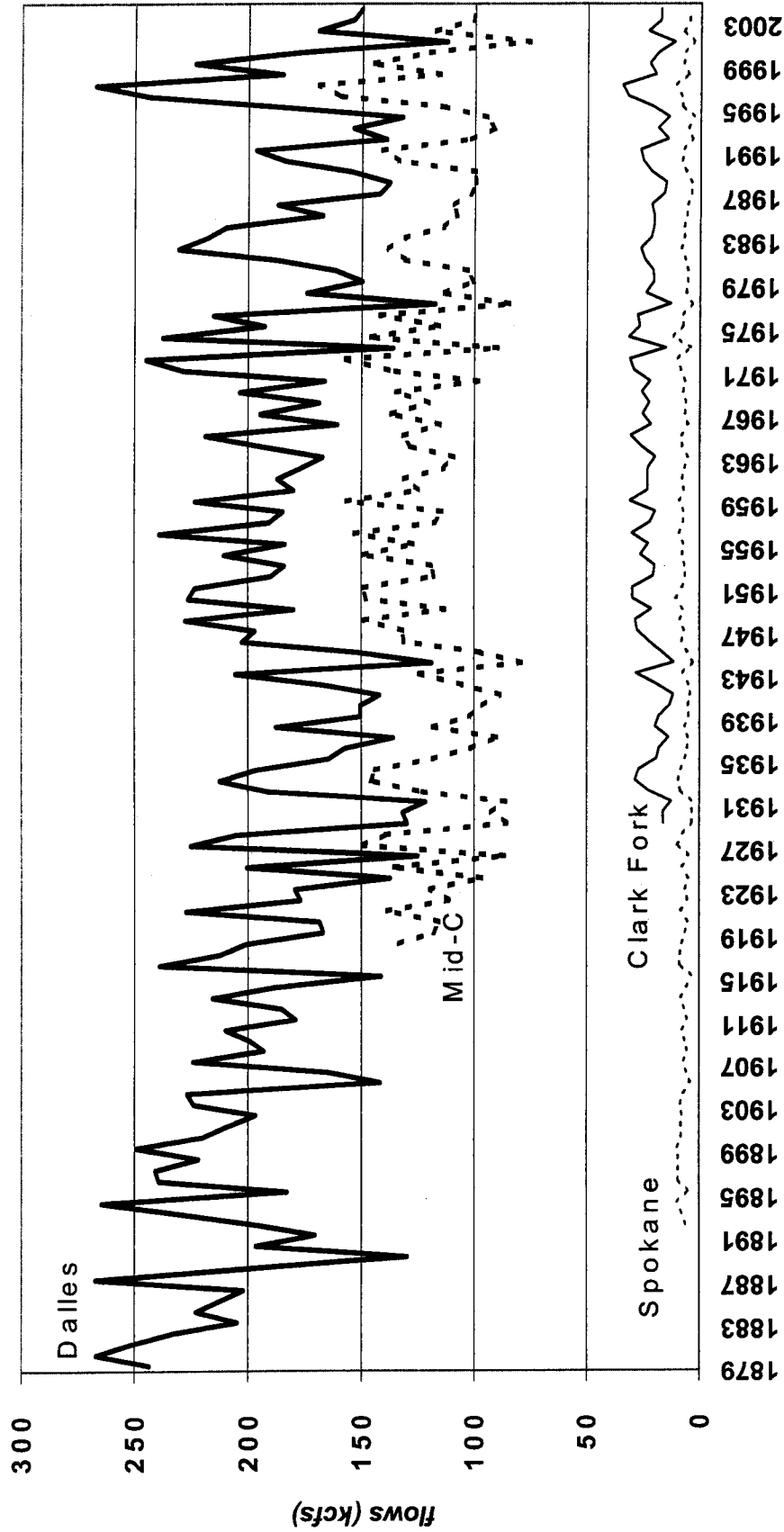
DOCKET NO. UE-05-_____

EXHIBIT No. ____ (CGK-2)

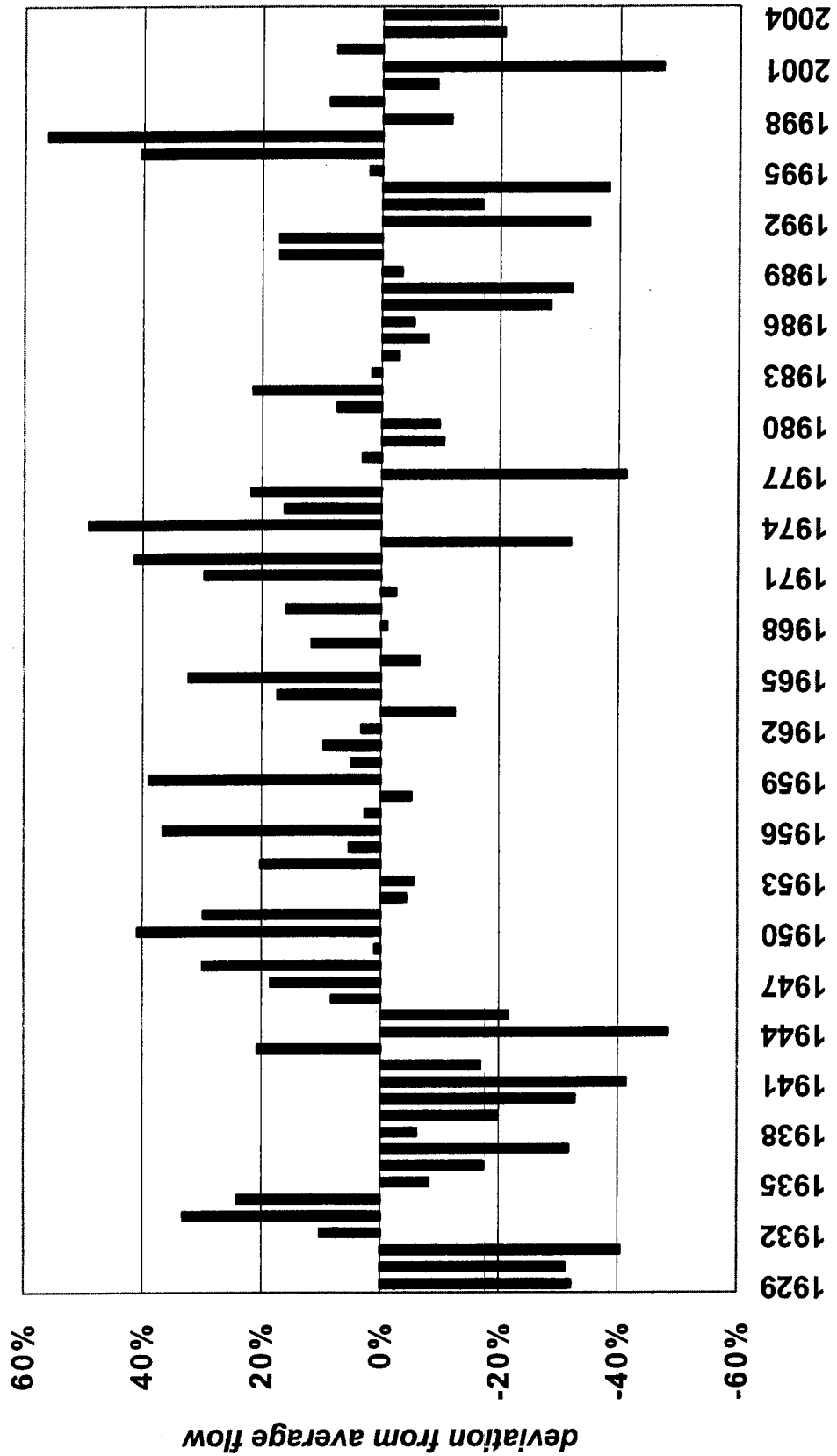
CLINT G. KALICH

REPRESENTING AVISTA CORPORATION

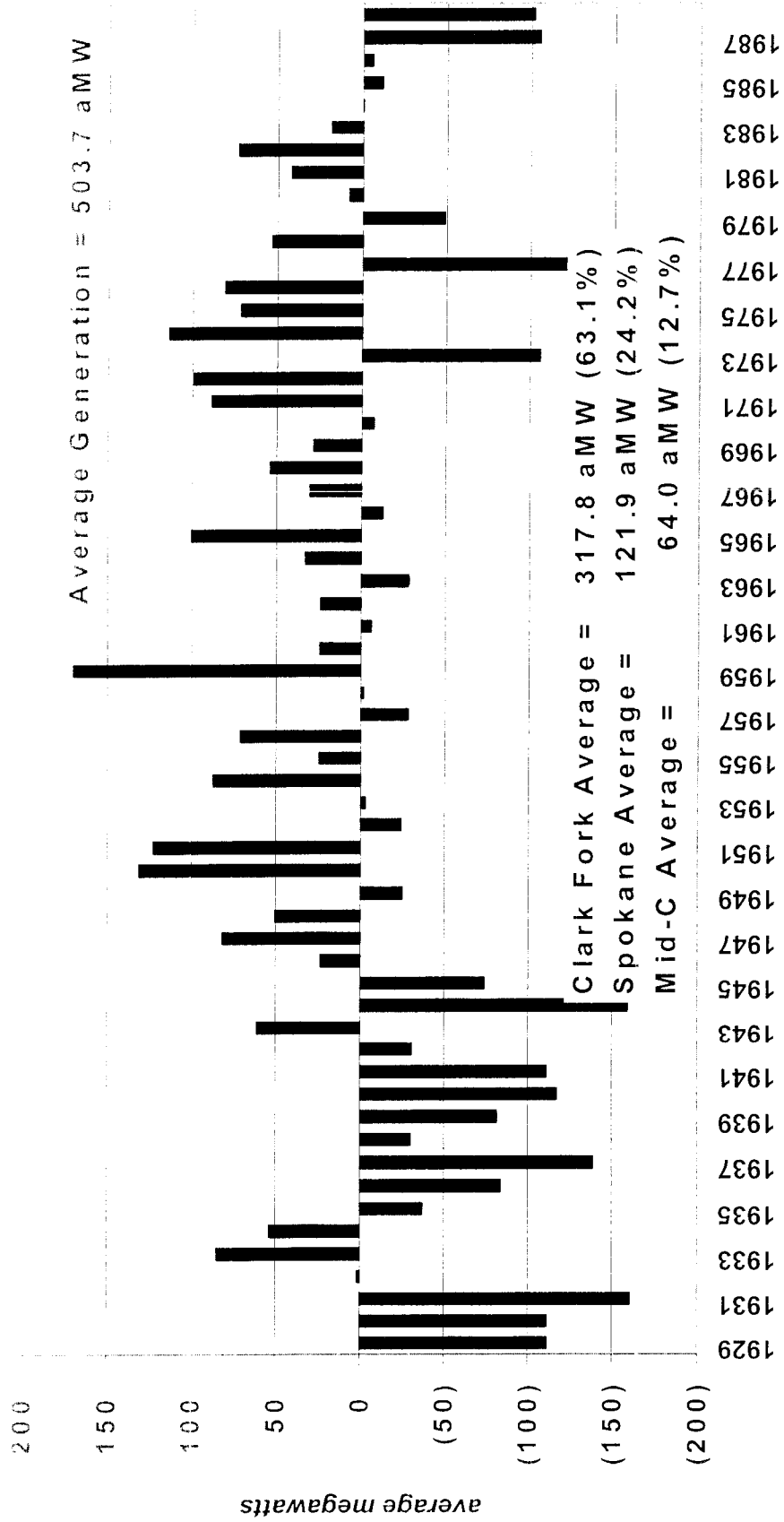
Historical Stream Flow Data 1879-2004



Historical Stream Flow 1929-2004 Deviation From 76-Year Average



**NWPP-Estimated Generation 1929-1988
Deviation From 60-Year Average**



BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

DOCKET NO. UE-05-_____

EXHIBIT No. ____ (CGK-3)

CLINT G. KALICH

REPRESENTING AVISTA CORPORATION

AURORA Summary Output Project Generation (GWh)

	<u>Ann</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
Hydro Projects													
Clark Fork	2,784.1	152.7	171.5	196.2	257.2	446.3	461.9	318.6	194.9	96.4	109.1	193.9	185.4
Spokane River	1,067.8	97.2	95.8	115.7	119.0	121.7	110.0	76.4	41.2	44.9	67.4	81.5	97.0
Mid-Columbia	560.8	61.7	45.9	42.8	51.8	49.4	48.3	48.5	41.4	30.8	40.6	47.4	52.1
TOTAL	4,412.7	311.6	313.2	354.6	428.0	617.4	620.1	443.6	277.4	172.1	217.2	322.8	334.5
Thermals													
Boulder Park	58.8	1.7	0.7	12.3	0.9	6.2	0.1	3.9	7.4	9.1	11.5	3.8	1.2
Colstrip	1,599.1	137.2	123.7	137.5	133.2	135.7	114.2	137.6	137.8	133.3	137.8	133.3	137.8
Coyote Springs 2	1,419.4	112.1	84.1	170.3	102.4	61.4	17.8	89.4	126.2	152.4	174.8	167.4	161.1
Kettle Falls	355.4	32.0	28.8	33.8	32.2	16.4	11.3	32.2	34.2	33.1	34.2	33.1	34.2
Kettle Falls CT	11.2	0.3	0.1	2.4	0.1	1.2	0.0	0.7	1.5	1.9	2.7	0.3	0.1
Northeast	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rathdrum	1.1	0.0	0.0	0.6	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.0
TOTAL	3,444.9	283.2	237.4	356.9	268.7	220.9	143.4	263.8	307.1	329.9	361.4	338.0	334.3
RESOURCE TOTAL	7,857.6	594.8	550.6	711.5	696.8	838.2	763.5	707.4	584.5	502.0	578.6	660.7	668.8
Contracts													
Black Creek	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0
Market Contract 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Can Ent Return	(26.1)	(4.2)	(2.0)	(2.3)	(1.0)	(2.3)	(2.2)	(2.2)	(1.1)	(2.2)	(2.2)	(2.2)	(2.2)
Derr Creek	1.1	0.1	0.1	0.0	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Market Contract 2	657.0	55.8	50.4	55.8	54.0	55.8	54.0	55.8	55.8	54.0	55.8	54.0	55.8
Market Contract 3	219.0	18.6	16.8	18.6	18.0	18.6	18.0	18.6	18.6	18.0	18.6	18.0	18.6
Grant Displacement	174.1	10.8	9.7	10.6	16.7	21.9	21.4	19.2	13.2	11.7	12.9	12.7	13.2
Haleywest	37.7	3.2	2.9	3.2	3.1	3.2	3.1	3.2	3.2	3.1	3.2	3.1	3.2
Jim Ford Creek	6.2	0.6	0.4	0.2	1.9	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.5
John Day Creek	4.1	0.4	0.2	0.2	1.2	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3
Meyers Falls	9.7	1.0	0.6	0.4	2.9	0.6	0.7	0.5	0.6	0.5	0.6	0.6	0.7
Nichols Pumping	(70.1)	(6.0)	(5.4)	(6.0)	(5.8)	(6.0)	(5.8)	(6.0)	(6.0)	(5.8)	(6.0)	(5.8)	(6.0)
PGE CapExch	(0.6)	(0.6)	0.7	0.5	(0.9)	0.4	(0.6)	(0.1)	0.6	(1.2)	0.3	0.2	0.1
Phillips Ranch	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Market Contract 4	85.9	7.0	6.2	6.7	7.7	8.1	8.4	7.6	7.6	5.6	7.1	7.2	6.6
Reserves	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sheep Creek	6.2	0.6	0.4	0.2	1.9	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.5
Upriver	52.4	5.4	7.8	7.9	8.8	8.9	5.2	0.0	0.0	0.0	1.3	2.6	4.6
WNP3	393.5	81.6	73.2	39.9	39.0	0.0	0.0	0.0	0.0	0.0	0.0	78.2	81.6
TOTAL	1,558.3	174.4	162.0	135.9	147.9	110.3	103.5	97.7	93.7	84.6	100.9	169.7	177.6
Market Transactions													
Market Purchases	405.2	89.6	37.2	13.4	3.6	0.5	4.5	18.5	48.7	73.2	52.4	11.8	52.0
Market Sales	(1,418.5)	(39.1)	(55.3)	(137.5)	(207.1)	(318.7)	(241.0)	(142.6)	(51.2)	(21.9)	(46.2)	(102.0)	(55.9)
TOTAL	(1,013.3)	50.6	(18.1)	(124.1)	(203.5)	(318.2)	(236.5)	(124.2)	(2.5)	51.3	6.1	(90.1)	(3.9)
SYSTEM LOAD	8,402.7	819.8	694.5	723.4	641.2	630.3	630.5	681.0	675.7	637.9	685.6	740.3	842.5

AURORA Summary Output Project Generation (aMW)

	<u>Ann</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
Hydro Projects													
Clark Fork	317.8	205.2	255.2	263.7	356.8	599.8	641.5	428.3	261.9	133.9	146.9	269.2	249.2
Spokane River	121.9	130.6	142.5	155.4	165.1	163.6	152.7	102.8	55.3	62.4	90.8	113.2	130.4
Mid-Columbia	64.0	83.0	68.3	57.5	71.8	66.4	67.1	65.2	55.6	42.8	54.6	65.9	70.0
TOTAL	503.7	418.8	466.1	476.7	593.7	829.8	861.3	596.2	372.9	239.1	292.3	448.3	449.6
Thermals													
Boulder Park	6.7	2.2	1.1	16.5	1.3	8.3	0.1	5.2	9.9	12.7	15.5	5.3	1.6
Colstrip	182.5	184.4	184.1	184.8	184.7	182.4	158.6	184.9	185.2	185.2	185.5	185.2	185.2
Coyote Springs 2	162.0	150.7	125.1	228.9	142.0	82.5	24.8	120.2	169.6	211.6	235.3	232.5	216.5
Kettle Falls	40.6	43.0	42.8	45.5	44.6	22.0	15.7	43.2	45.9	46.0	46.1	46.0	45.9
Kettle Falls CT	1.3	0.4	0.1	3.2	0.1	1.6	0.0	0.9	2.1	2.7	3.6	0.4	0.1
Northeast	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rathdrum	0.1	0.0	0.0	0.8	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.0	0.0
TOTAL	393.3	380.6	353.2	479.7	372.7	296.9	199.2	354.6	412.7	458.2	486.4	469.4	449.3
RESOURCE TOTAL	897.0	799.5	819.4	956.4	966.4	1,126.7	1,060.5	950.9	785.6	697.2	778.7	917.7	899.0
Contracts													
Black Creek	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0
Market Contract 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Can Ent Return	(3.0)	(5.7)	(3.0)	(3.1)	(1.5)	(3.0)	(3.0)	(2.9)	(1.5)	(3.1)	(3.0)	(3.1)	(3.0)
Derr Creek	0.1	0.2	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Market Contract 2	75.0	75.0	75.0	75.0	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.0	75.0
Market Contract 3	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Grant Displacement	19.9	14.5	14.5	14.3	23.2	29.4	29.7	25.8	17.8	16.3	17.4	17.6	17.7
Haleywest	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Jim Ford Creek	0.7	0.9	0.5	0.3	2.6	0.5	0.6	0.5	0.5	0.4	0.5	0.5	0.6
John Day Creek	0.5	0.6	0.4	0.2	1.7	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.4
Meyers Falls	1.1	1.3	0.9	0.5	4.1	0.8	0.9	0.7	0.8	0.7	0.8	0.8	1.0
Nichols Pumping	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)	(8.0)
PGE CapExch	(0.1)	(0.8)	1.1	0.6	(1.2)	0.5	(0.8)	(0.2)	0.8	(1.7)	0.4	0.3	0.2
Phillips Ranch	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Market Contract 4	9.8	9.4	9.2	9.0	10.7	10.9	11.7	10.3	10.3	7.8	9.5	10.0	8.9
Reserves	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sheep Creek	0.7	0.9	0.5	0.3	2.6	0.5	0.6	0.5	0.5	0.4	0.5	0.5	0.6
Upriver	6.0	7.2	11.6	10.6	12.2	12.0	7.2	0.0	0.0	0.0	1.7	3.6	6.2
WNP3	44.9	109.6	109.0	53.6	54.1	0.0	0.0	0.0	0.0	0.0	0.0	108.6	109.6
TOTAL	177.9	234.5	241.1	182.7	205.2	148.2	143.7	131.3	125.9	117.5	135.8	235.6	238.8
Market Transactions													
Market Purchases	46.3	120.5	55.3	18.1	4.9	0.6	6.3	24.8	65.4	101.6	70.5	16.5	69.8
Market Sales	(161.9)	(52.5)	(82.3)	(184.9)	(287.2)	(428.4)	(334.8)	(191.7)	(68.8)	(30.4)	(62.2)	(141.6)	(75.1)
TOTAL	(115.7)	68.0	(27.0)	(166.8)	(282.3)	(427.7)	(328.5)	(166.9)	(3.4)	71.2	8.3	(125.2)	(5.3)
System Load	959.2	1,101.9	1,033.5	972.3	889.3	847.2	875.6	915.3	908.2	886.0	922.8	1,028.2	1,132.4
GWh	8,402.7	819.8	694.5	723.4	641.2	630.3	630.5	681.0	675.7	637.9	685.6	740.3	842.5
Hours	8,760	744	672	744	721	744	720	744	744	720	743	720	744

AURORA Summary Output Project Costs (\$000s)

	<u>Ann</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
Hydro Projects													
Clark Fork	(0)	0	0	(0)	0	(0)	0	(0)	(0)	(0)	0	(0)	(0)
Spokane River	0	(0)	(0)	0	0	0	(0)	0	(0)	0	(0)	(0)	(0)
Mid-Columbia	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Thermals													
Boulder Park	3,238	105	45	752	51	322	5	204	388	479	609	210	69
Colstrip	10,683	916	827	918	890	907	763	919	921	891	921	891	921
Coyote Springs 2	59,394	5,291	3,951	7,763	4,087	2,388	704	3,507	4,973	5,969	6,881	6,926	6,954
Kettle Falls	8,095	728	656	770	733	373	259	733	778	754	779	754	778
Kettle Falls CT	593	17	3	143	3	60	0	34	78	97	137	15	4
Northeast	0	0	0	0	0	0	0	0	0	0	0	0	0
Rathdrum	81	0	0	47	0	0	0	8	2	0	25	0	0
TOTAL	82,085	7,058	5,481	10,392	5,764	4,051	1,731	5,406	7,140	8,190	9,352	8,796	8,725

RESOURCE TOTAL	82,085	7,058	5,481	10,392	5,764	4,051	1,731	5,406	7,140	8,190	9,352	8,796	8,725
-----------------------	---------------	--------------	--------------	---------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------

Contracts													
Black Creek	369	0	0	0	0	0	0	0	0	0	369	0	0
Market Contract 1	0	0	0	0	0	0	0	0	0	0	0	0	0
Can Ent Return	0	0	0	0	0	0	0	0	0	0	0	0	0
Derr Creek	76	8	4	3	23	5	5	4	5	4	5	5	6
Market Contract 2	18,943	1,609	1,453	1,609	1,557	1,609	1,557	1,609	1,609	1,557	1,609	1,557	1,609
Market Contract 3	6,953	591	533	591	571	591	571	591	571	591	591	571	591
Grant Displacement	5,223	324	292	319	501	656	642	576	397	352	388	380	395
Haleywest	1,671	122	110	122	101	104	101	129	129	125	212	205	212
Jim Ford Creek	372	55	32	10	81	16	18	21	24	19	23	32	41
John Day Creek	180	28	16	5	41	8	9	9	10	8	10	16	21
Meyers Falls	283	33	19	9	75	15	17	18	20	16	20	19	24
Nichols Pumping	(3,217)	(316)	(272)	(282)	(235)	(187)	(181)	(259)	(314)	(288)	(280)	(290)	(313)
PGE CapExch	(2,922)	(57)	(35)	(206)	(239)	(206)	(248)	(414)	(397)	(375)	(302)	(234)	(211)
Phillips Ranch	4	0	0	0	1	0	0	0	0	0	0	0	0
Market Contract 4	3,186	260	229	249	286	300	313	283	283	208	262	268	244
Reserves	(299)	(8)	(10)	(24)	(24)	(20)	(25)	(37)	(37)	(31)	(33)	(27)	(24)
Sheep Creek	517	51	31	19	127	27	28	32	42	36	41	39	45
Upriver	2,003	235	343	270	300	305	177	0	0	0	56	114	203
WNP3	10,538	2,185	1,961	1,067	1,046	0	0	0	0	0	0	2,095	2,185
TOTAL	43,880	5,119	4,708	3,760	4,211	3,223	2,985	2,561	2,362	2,202	2,969	4,751	5,028

Market Transactions													
Market Purchases	20,917	4,780	1,839	680	145	18	165	933	2,570	3,764	2,582	603	2,836
Market Sales	(56,332)	(2,041)	(2,840)	(6,207)	(8,360)	(10,034)	(7,197)	(5,985)	(2,847)	(999)	(1,952)	(5,053)	(2,817)
TOTAL	(35,415)	2,739	(1,001)	(5,527)	(8,215)	(10,016)	(7,032)	(5,052)	(277)	2,765	630	(4,450)	20

Fuel and Market Only	46,670	9,797	4,480	4,866	(2,451)	(5,965)	(5,301)	354	6,863	10,955	9,981	4,346	8,745
-----------------------------	---------------	--------------	--------------	--------------	----------------	----------------	----------------	------------	--------------	---------------	--------------	--------------	--------------