

COLORADO-BIG THOMPSON MONTHLY OPERATIONS

HYDROLOGY OPERATIONS

Green Mtn Reservoir		Initial Cont Elev 7901.12 ft				72.3 kaf				Maximum Cont Elev 7949.91 ft				153.6 kaf				Minimum Cont Elev 7795.72 ft				6.0 kaf			
2009		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total											
Dillon Inflow	kaf	46.2	94.1	63.4	22.9	9.8	6.1	4.9	4.4	4.0	3.6	4.3	7.2	270.9											
Dillon-Grn Mtn Gain	kaf	31.7	60.6	42.0	17.6	9.8	6.4	4.8	4.2	3.8	3.2	4.1	7.7	195.9											
Undepleted Inflow	kaf	77.9	154.7	105.4	40.5	19.6	12.5	9.7	8.6	7.8	6.8	8.4	14.9	466.8											
Depletion	kaf	36.3	23.3	16.4	7.4	3.4	2.1	0.7	0.0	0.3	-0.3	0.0	4.6	94.2											
Depleted Inflow	kaf	41.6	131.4	89.0	33.1	16.2	10.4	9.0	8.6	7.5	7.1	8.4	10.3	372.6											
Turbine Release	kaf	23.4	75.6	81.2	39.9	44.2	36.9	15.5	11.5	12.3	11.1	12.3	10.5	374.4											
Spill/Waste	kaf	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											
Total River Release	kaf	23.4	75.6	81.2	39.9	44.2	36.9	15.5	11.5	12.3	11.1	12.3	10.5	374.4											
Min Release	cfs	100	693	600	649	743	600	260	187	200	200	200	176												
Total River Release	cfs	381	1271	1321	649	743	600	260	187	200	200	200	176												
Evaporation	kaf	0.5	0.8	0.8	0.7	0.6	0.4	0.1	0.0	0.0	0.0	0.2	0.3	4.4											
End-Month Targets	kaf	90.0	145.0	152.0									75.0												
End-Month Content	kaf	90.0	145.0	152.0	144.5	115.9	89.0	82.4	79.5	74.7	70.7	66.6	66.1												
End-Month Elevation	ft	7914.31	7945.78	7949.15	7945.54	7930.50	7913.62	7908.90	7906.73	7903.03	7899.81	7896.37	7895.94												
Willow Crk Reservoir		Initial Cont Elev 8121.32 ft				8.2 kaf				Maximum Cont Elev 8128.83 ft				10.2 kaf				Minimum Cont Elev 8104.78 ft				5.0 kaf			
2009		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total											
Native Inflow	kaf	23.1	18.7	4.9	1.8	1.0	1.1	0.9	0.8	0.8	0.7	1.0	4.8	59.6											
Min Release	kaf	1.5	2.6	2.2	0.5	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	10.4											
Spill/Bypass	kaf	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											
Total River Release	kaf	1.5	2.6	2.2	0.5	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	10.4											
Pumped to Granby	kaf	20.7	15.0	3.6	0.9	0.8	1.3	1.2	0.0	0.0	0.0	3.1	3.0	49.6											
Evaporation	kaf	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6											
End-Month Targets	kaf	9.0	10.0	9.0		9.0		7.2					7.2												
End-Month Content	kaf	9.0	10.0	9.0	9.3	9.0	8.3	7.2	7.6	8.0	8.3	5.8	7.2												
End-Month Elevation	ft	8124.50	8128.14	8124.50	8125.63	8124.50	8121.73	8116.90	8118.74	8120.48	8121.73	8109.59	8116.90												
Lake Granby		Initial Cont				283.8 kaf				Maximum Cont				536.1 kaf				Minimum Cont				76.5 kaf			

	2009	Elev 8239.35 ft					Elev 8279.50 ft				Elev 8186.91 ft				Total
		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr		
Native inflow	kaf	25.4	39.7	14.9	4.5	1.7	2.1	1.3	1.4	1.4	1.2	1.5	4.1	99.2	
Rels frm Shadow Mtn	kaf	15.8	49.2	5.3	2.5	2.1	2.2	2.7	2.8	1.2	1.1	1.2	1.2	87.3	
Pump frm Windy Gap	kaf	15.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	23.0	
Pump frm Willow Crk	kaf	20.7	15.0	3.6	0.9	0.8	1.3	1.2	0.0	0.0	0.0	3.1	3.0	49.6	
Total Inflow	kaf	76.9	109.9	23.8	7.9	4.6	5.6	5.2	4.2	2.6	2.3	5.8	10.3	259.1	
Min River Release	kaf	4.6	4.7	3.3	2.5	1.0	1.4	1.2	1.2	1.2	1.1	1.2	1.2	24.6	
Spill/Bypass	kaf	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	
Total River Release	kaf	4.6	4.7	3.3	2.5	1.0	1.4	1.2	1.2	1.2	1.1	1.2	1.2	24.6	
Pumped to Shadow Mtn	kaf	0.0	0.0	0.0	5.2	18.6	7.6	1.4	17.7	32.9	28.2	29.4	20.0	161.0	
Evaporation	kaf	2.0	2.8	2.8	2.2	2.0	1.5	0.7	0.2	0.0	0.0	0.8	1.4	16.4	
Seepage loss	kaf	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	4.0	
End-Month Content	kaf	353.8	455.8	473.1	470.7	453.3	448.1	449.7	434.5	402.7	375.4	349.5	336.9		
End-Month Elevation	ft	8251.82	8268.01	8270.56	8270.21	8267.64	8266.86	8267.10	8264.80	8259.84	8255.42	8251.09	8248.93		
Shadow Mtn		Initial Cont			17.7 kaf	Maximum Cont			18.4 kaf	Minimum Cont			16.6 kaf		
	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total	
Native inflow	kaf	38.2	59.5	22.3	6.7	2.6	3.2	2.0	2.1	2.1	1.9	2.2	6.2	149.0	
Pumped from Granby	kaf	0.0	0.0	0.0	5.2	18.6	7.6	1.4	17.7	32.9	28.2	29.4	20.0	161.0	
Total Inflow	kaf	38.2	59.5	22.3	11.9	21.2	10.8	3.4	19.8	35.0	30.1	31.6	26.2	310.0	
Min River Release	kaf	1.2	3.0	3.1	2.5	2.1	2.2	2.7	2.8	1.2	1.1	1.2	1.2	24.3	
Spill/Bypass	kaf	14.6	46.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.0	
Total River Release	kaf	15.8	49.2	5.3	2.5	2.1	2.2	2.7	2.8	1.2	1.1	1.2	1.2	87.3	
Adams Tunnel Flow	kaf	21.7	9.5	16.3	8.8	18.6	8.2	0.5	16.9	33.8	29.0	30.1	24.6	218.0	
Evaporation	kaf	0.7	0.8	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	0.3	0.4	4.7	
End-Month Content	kaf	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7		
End-Month Elevation	ft	8366.62	8366.62	8366.62	8366.62	8366.62	8366.62	8366.62	8366.62	8366.62	8366.62	8366.62	8366.62		
Adams Tunnel	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total	
Max Tunnel Capacity	kaf	33.8	32.7	33.8	17.9	32.7	33.8	0.0	16.9	33.8	30.5	33.8	32.7	332.4	
Actual delivery	kaf	21.7	9.5	16.3	8.8	18.6	8.2	0.5	16.9	33.8	29.0	30.1	24.6	218.0	
% max delivery	%	64	29	48	49	57	24	0	100	100	95	89	75		
Big T @ Lake Estes	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total	
Big Thompson inflow	kaf	20.4	37.8	23.3	9.6	5.4	2.6	1.8	1.2	1.0	0.7	1.0	3.4	108.2	
Min river release	kaf	6.9	7.4	7.7	6.9	3.7	3.1	1.5	1.5	1.5	1.4	1.5	2.2	45.3	
Act river release	kaf	8.1	14.5	7.7	6.9	3.7	2.6	1.8	1.2	1.0	0.7	1.0	2.2	51.4	
Skim water available	kaf	13.5	30.4	15.6	2.7	1.7	0.0	0.3	0.0	0.0	0.0	0.0	1.2	65.4	
Skim water diverted	kaf	12.3	23.3	15.6	2.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.2	56.8	

% skim diverted	%	91	77	100	100	100								100
Irrigation demand	kaf	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	1.2
Irrigation delivery	kaf	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	1.2
Total river release	kaf	8.3	14.6	7.9	7.0	3.8	2.6	1.9	1.2	1.1	0.8	1.1	2.3	52.6
Olympus Tunnel	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Max Tunnel Capacity	kaf	33.8	32.7	33.8	33.8	32.7	30.4	16.4	33.8	33.8	30.5	33.8	32.7	378.2
Actual delivery	kaf	33.8	32.7	31.7	11.4	20.2	8.2	0.4	16.9	33.7	28.9	30.0	25.7	273.6
% max delivery	%	100	100	94	34	62	27	2	50	100	95	89	79	
Seepage and Evap	kaf	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	1.7
Inflow to Flatiron	kaf	33.7	32.6	31.6	11.2	20.0	8.0	0.2	16.7	33.6	28.8	29.9	25.6	271.9
Carter Lake			Initial Cont	110.8 kaf		Maximum Cont	112.2 kaf		Minimum Cont	11.2 kaf				
			Elev	5757.75 ft		Elev	5758.98 ft		Elev	5639.99 ft				
	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Pump from Flatiron	kaf	0.0	0.0	3.1	0.6	5.5	3.2	0.0	10.5	20.4	17.2	17.5	9.5	87.5
Release to Flatiron	kaf	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
Evaporation loss	kaf	0.4	0.5	0.4	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.2	0.3	2.7
Seepage loss	kaf	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	1.7
End-Month Targets	kaf	98.0	85.0	75.0	56.0	49.0	45.0	40.0	66.2	81.4	96.4	105.5	110.0	
End-Month Content	kaf	101.6	89.2	75.0	56.0	49.0	45.0	43.1	51.9	70.5	86.0	101.3	104.9	
End-Month Elevation	ft	5749.55	5738.08	5724.28	5704.29	5696.30	5691.55	5689.24	5699.66	5719.73	5735.03	5749.28	5752.52	
Irrigation demand	kaf	3.9	6.0	10.5	13.4	7.4	4.2	0.0	0.0	0.0	0.0	0.0	3.2	48.6
Metered delivery	kaf	2.4	3.0	3.7	3.5	2.8	2.1	1.3	1.2	1.3	1.2	1.4	1.7	25.6
Windy Gap demand	kaf	2.3	2.7	2.5	2.3	1.9	0.6	0.4	0.4	0.4	0.4	0.4	0.5	14.8
Total demand	kaf	8.6	11.7	16.7	19.2	12.1	6.9	1.7	1.6	1.7	1.6	1.8	5.4	89.0
Total delivery	kaf	8.6	11.7	16.7	19.2	12.1	6.9	1.7	1.6	1.7	1.6	1.8	5.4	89.0
% required delivery	%	100	100	100	100	100	100	100	100	100	100	100	100	
Shortage	kaf	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
Hansen Canal 930	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Minimum flow	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	6.1	5.6	6.1	1.5	31.3
Maximum flow	kaf	57.2	55.3	57.2	57.2	55.3	57.2	55.3	57.2	57.2	51.6	57.2	27.7	645.6
Actual flow	kaf	33.7	32.6	28.5	10.6	14.5	4.8	0.2	6.2	13.2	11.6	12.4	16.1	184.4
Dille Tunnel	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Big T @ Canyon Mouth	kaf	28.1	58.3	33.6	14.8	7.3	4.0	2.3	1.5	1.4	1.3	1.8	6.0	160.4
Less Estes Skim	kaf	12.3	23.3	15.6	2.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.2	56.8
Big T irr (Estes)	kaf	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	1.2
Handy Ditch release	kaf	1.2	1.2	1.8	2.9	1.7	1.2	0.0	0.0	0.0	0.0	0.0	1.2	11.2
Water available	kaf	14.8	33.9	16.4	9.3	4.0	2.8	2.4	1.5	1.5	1.4	1.9	3.7	93.6

Shortage	kaf	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
Total CBT Delivery	kaf	15.6	18.8	37.3	47.8	28.0	16.8	2.6	2.6	2.9	2.7	3.0	7.7	185.8
Windy Gap Ownership 2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total	
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Accrual	kaf	13.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	20.7
Total release	kaf	2.7	3.1	5.4	5.2	4.7	1.0	0.8	0.8	0.8	0.8	0.8	0.9	27.0
Spill	kaf	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
End-month Ownership	kaf	53.7	56.0	50.6	45.4	40.7	39.7	38.9	38.1	37.3	36.5	35.7	36.6	

PUMPING AND GENERATION OPERATIONS

Green Mtn Gen	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
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Max Generation	gwh	18.600	18.000	18.600	18.600	18.000	18.600	18.000	9.300	9.300	8.400	9.300	17.919	182.619
Generation	gwh	4.062	14.799	17.039	8.368	8.932	6.918	2.742	1.995	2.099	1.859	2.024	1.710	72.547
% Max Generation	%	22	82	92	45	50	37	15	21	23	22	22	10	
Ave kwh/af		174	196	210	210	202	187	177	173	171	167	165	163	
Willow Crk Pumping	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
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Maximum pumping	kaf	27.7	26.8	27.7	27.7	26.8	27.7	26.8	0.0	0.0	0.0	27.7	26.8	245.7
Actual pumping	kaf	20.7	15.0	3.6	0.9	0.8	1.3	1.2	0.0	0.0	0.0	3.1	3.0	49.6
Pump energy	gwh	4.409	3.195	0.767	0.192	0.170	0.277	0.256	0.000	0.000	0.000	0.660	0.639	10.565
% max pumping	%	75	56	13	3	3	5	4				11	11	
Average kwh/af		213	213	213	213	213	213	213				213	213	
Lake Granby Pumping	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
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Maximum pumping	kaf	36.9	35.7	36.9	36.9	35.7	36.9	35.7	36.9	36.9	33.3	36.9	35.7	434.4
Actual pumping	kaf	0.0	0.0	0.0	5.2	18.6	7.6	1.4	17.7	32.9	28.2	29.4	20.0	161.0
Pump energy	gwh	0.000	0.000	0.000	0.744	2.678	1.094	0.202	2.567	4.803	4.174	4.410	3.040	23.712
% max pumping	%				14	52	21	4	48	89	85	80	56	
Average kwh/af					143	144	144	144	145	146	148	150	152	
Marys Lake Gen	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
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Adams Tunnel Flow	kaf	21.7	9.5	16.3	8.8	18.6	8.2	0.5	16.9	33.8	29.0	30.1	24.6	
Max generation	gwh	6.060	5.840	6.060	6.060	5.840	5.380	0.000	0.000	6.060	5.400	6.060	5.840	58.600
Generation	gwh	3.840	1.600	2.860	1.460	3.320	1.340	0.000	0.000	6.060	5.200	5.320	4.420	35.420
% Max Generation	%	63	27	47	24	57	25			100	96	88	76	
Ave kwh/af		177	168	175	166	178	163			179	179	177	180	
Lake Estes Gen	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
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Adams Tunnel Flow	kaf	21.7	9.5	16.3	8.8	18.6	8.2	0.5	16.9	33.8	29.0	30.1	24.6	
Max generation	gwh	9.980	10.060	14.920	14.920	14.450	14.920	14.450	14.920	11.940	10.060	10.450	9.660	150.730

Generation	gwh	9.580	4.150	7.520	3.800	8.380	3.500	0.000	7.760	11.940	10.060	10.450	9.660	86.800
% Max Generation	%	96	41	50	25	58	23		52	100	100	100	100	
Ave kwh/af		441	437	461	432	451	427		459	441	439	441	441	

Pole Hill Gen	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Olympus Tunnel flow	kaf	33.8	32.7	31.7	11.4	20.2	8.2	0.4	16.9	33.7	28.9	30.0	25.7	273.6
Max generation	gwh	25.260	24.460	25.260	25.260	24.460	22.720	0.000	5.750	25.260	22.800	25.260	24.460	250.950
Generation	gwh	10.200	9.880	10.200	8.460	9.880	5.400	0.000	4.640	10.200	9.240	10.200	9.880	98.180
% Max Generation	%	40	40	40	33	40	24		81	40	41	40	40	
Ave kwh/af		302	302	322	742	489	659		546	303	320	340	384	

Flatiron 1&2 Gen	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Inflow to Flatiron	kaf	33.7	32.6	31.6	11.2	20.0	8.0	0.2	16.7	33.6	28.8	29.9	25.6	271.9
Max generation	gwh	12.050	11.690	12.050	12.050	11.690	12.050	0.000	5.580	12.050	10.880	12.050	11.690	123.830
Generation	gwh	12.050	11.690	12.050	9.980	11.690	6.600	0.000	5.580	12.050	10.880	12.050	11.690	116.310
% Max Generation	%	100	100	100	83	100	55		100	100	100	100	100	
Ave kwh/af		893	892	893	891	892	825		821	893	892	893	892	

Flatiron 3 Pump/Gen	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Maximum pumping	kaf	0.0	17.0	19.2	21.4	22.4	24.0	0.0	12.0	22.0	17.8	17.8	9.6	183.2
Pump from Flatiron	kaf	0.0	0.0	3.1	0.6	5.5	3.2	0.0	10.5	20.4	17.2	17.5	9.5	87.5
Pump energy	gwh	0.000	0.000	1.023	0.179	1.535	0.867	0.000	2.856	5.936	5.556	6.213	3.582	27.747
% max pumping	%			16	3	25	13		88	93	97	98	99	
Average kwh/af				330	299	279	271		272	291	323	355	377	

Release to Flatiron	kaf	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
Maximum generation	gwh	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Actual generation	gwh	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
% max generation	%													
Average kwh/af														

Big Thompson Gen	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Total release	kaf	24.7	25.2	24.7	17.5	11.6	5.2	0.0	0.0	0.0	0.0	0.0	5.6	114.5
Turbine release	kaf	24.7	23.9	24.7	17.5	11.6	5.2	0.0	0.0	0.0	0.0	0.0	5.6	113.2
Wasteway release	kaf	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Max generation	gwh	3.940	3.800	3.940	3.940	3.800	3.940	0.000	0.000	0.000	0.000	0.000	3.800	27.160
Generation	gwh	3.940	3.800	3.940	2.700	1.620	0.540	0.000	0.000	0.000	0.000	0.000	0.600	17.140
% Max Generation	%	100	100	100	69	43	14						16	
Ave kwh/af		160	159	160	154	140	104						107	

PROJECT GENERATION AND PUMPING SUMMARY

Project Generation	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
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Base Generation:

Big Thompson	gwh	3.940	3.800	3.940	2.700	1.620	0.540	0.000	0.000	0.000	0.000	0.000	0.600	17.140
Green Mtn	gwh	4.062	14.799	17.039	8.368	8.932	6.918	2.742	1.995	2.099	1.859	2.024	1.710	72.547
Flatiron 3	gwh	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	gwh	8.002	18.599	20.979	11.068	10.552	7.458	2.742	1.995	2.099	1.859	2.024	2.310	89.687

Load Following Generation:

Marys Lake	gwh	3.840	1.600	2.860	1.460	3.320	1.340	0.000	0.000	6.060	5.200	5.320	4.420	35.420
Lake Estes	gwh	9.580	4.150	7.520	3.800	8.380	3.500	0.000	7.760	11.940	10.060	10.450	9.660	86.800
Pole Hill	gwh	10.200	9.880	10.200	8.460	9.880	5.400	0.000	4.640	10.200	9.240	10.200	9.880	98.180
Flatiron 1,2	gwh	12.050	11.690	12.050	9.980	11.690	6.600	0.000	5.580	12.050	10.880	12.050	11.690	116.310
Total	gwh	35.670	27.320	32.630	23.700	33.270	16.840	0.000	17.980	40.250	35.380	38.020	35.650	336.710

Total generation	gwh	43.672	45.919	53.609	34.768	43.822	24.298	2.742	19.975	42.349	37.239	40.044	37.960	426.397
Total max generation	gwh	75.890	73.850	80.830	80.830	78.240	77.610	32.450	35.550	64.610	57.540	63.120	73.369	793.889

Project Pump Energy 2009		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Granby	gwh	0.000	0.000	0.000	0.744	2.678	1.094	0.202	2.567	4.803	4.174	4.410	3.040	23.712
Willow Creek	gwh	4.409	3.195	0.767	0.192	0.170	0.277	0.256	0.000	0.000	0.000	0.660	0.639	10.565
Flatiron 3	gwh	0.000	0.000	1.023	0.179	1.535	0.867	0.000	2.856	5.936	5.556	6.213	3.582	27.747
Total pump energy	gwh	4.409	3.195	1.790	1.115	4.383	2.238	0.458	5.423	10.739	9.730	11.283	7.261	62.024
Total net generation	gwh	39.263	42.724	51.819	33.653	39.439	22.060	2.284	14.552	31.610	27.509	28.761	30.699	364.373

Release Flexibility 2009		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Adams Tunnel	Min kaf	21.7	9.5	16.3	8.8	18.6	8.2	0.5	16.9	33.8	29.0	30.1	24.6	
Adams Tunnel	Max kaf	21.7	9.5	16.3	8.8	18.6	8.2	0.5	16.9	33.8	29.0	30.1	24.6	
Marys Lake	Min gwh	3.840	1.600	2.860	1.460	3.320	1.340	0.000	0.000	6.060	5.200	5.320	4.420	
Marys Lake	Max gwh	3.840	1.600	2.860	1.460	3.320	1.340	0.000	0.000	6.060	5.200	5.320	4.420	
Lake Estes	Min gwh	9.580	4.150	7.520	3.800	8.380	3.500	0.000	7.760	11.940	10.060	10.450	9.660	
Lake Estes	Max gwh	9.580	4.150	7.520	3.800	8.380	3.500	0.000	7.760	11.940	10.060	10.450	9.660	
Olympus Tunnel	Min kaf	33.8	32.7	31.7	11.4	20.2	8.2	0.4	16.9	33.7	28.9	30.0	25.7	
Olympus Tunnel	Max kaf	33.8	32.7	31.7	11.4	20.2	8.2	0.4	16.9	33.7	28.9	30.0	25.7	
Pole Hill	Min gwh	25.260	24.460	23.690	8.620	15.140	5.540	0.000	5.750	25.190	21.620	22.400	19.190	
Pole Hill	Max gwh	25.260	24.460	23.690	8.620	15.140	5.540	0.000	5.750	25.190	21.620	22.400	19.190	
Flatiron 1&2	Min gwh	12.050	11.690	12.050	9.980	11.690	6.600	0.000	5.580	12.050	10.880	12.050	11.690	
Flatiron 1&2	Max gwh	12.050	11.690	12.050	9.980	11.690	6.600	0.000	5.580	12.050	10.880	12.050	11.690	
Load following	Min gwh	50.730	41.900	46.120	23.860	38.530	16.980	0.000	19.090	55.240	47.760	50.220	44.960	
Load following	Max gwh	50.730	41.900	46.120	23.860	38.530	16.980	0.000	19.090	55.240	47.760	50.220	44.960	
Total project	Min gwh	58.732	60.499	67.099	34.928	49.082	24.438	2.742	21.085	57.339	49.619	52.244	47.270	

Total project Max gwh 58.732 60.499 67.099 34.928 49.082 24.438 2.742 21.085 57.339 49.619 52.244 47.270

GENERATION CAPACITY AND DURATION

Project Generation	2009	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
Base Generation:														
Green Mtn	mw	5.5	20.6	22.9	11.2	12.4	9.3	3.8	2.7	2.8	2.8	2.7	2.4	
Flatiron 3	mw													
Big Thompson	mw	5.3	5.3	5.3	3.6	2.3	0.7						0.8	
Total base load	mw	10.8	25.9	28.2	14.8	14.7	10.0	3.8	2.7	2.8	2.8	2.7	3.2	
Load Following Generation:														
Marys Lake														
Min Capacity	mw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.3	0.0	
Duration	hr/d	7.3	10.5	11.0	9.4	9.7	10.6	12.0	10.9	12.0	2.1	1.6	5.3	
Max Capacity	mw	8.1	4.3	7.8	3.5	8.1	3.5	0.0	8.1	8.1	8.1	8.1	8.1	
Duration	hr/d	15.7	12.5	12.0	13.6	13.3	12.4	12.0	12.1	12.0	20.9	21.7	17.7	
Lake Estes														
Min Capacity	mw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration	hr/d	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.0	12.0	12.1	12.0	
Max Capacity	mw	27.6	12.0	19.9	11.0	23.0	10.2	0.0	20.8	45.0	36.3	38.5	30.5	
Duration	hr/d	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	11.9	12.0	
Pole Hill														
Min Capacity	mw	34.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	0.0	0.0	0.0	
Duration	hr/d	12.0	12.0	0.7	12.0	9.2	12.0	12.0	11.6	12.0	2.8	2.2	5.1	
Max Capacity	mw	34.0	34.0	34.0	23.2	34.0	15.4	0.0	33.9	34.0	34.0	34.0	34.0	
Duration	hr/d	12.0	12.0	23.3	12.0	14.8	12.0	12.0	12.5	12.0	21.2	22.0	18.9	
Flatiron 1&2														
Min Capacity	mw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Duration	hr/d	8.7	9.5	10.4	12.0	12.0	12.0	12.0	11.4	8.8	12.0	11.6	12.0	
Max Capacity	mw	86.0	85.2	83.2	27.6	48.0	19.0	0.0	42.4	86.0	73.2	77.6	63.2	
Duration	hr/d	10.0	10.0	10.4	12.0	12.0	12.0	12.0	12.6	10.0	12.0	11.7	12.0	
Total Load Following														
Min Capacity	mw	34.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	42.1	0.0	0.3	0.0	
Max Capacity	mw	155.7	135.5	144.9	65.3	113.1	48.1	0.0	105.2	173.1	151.6	158.2	135.8	
Total Project Capacity														
Min Capacity	mw	44.8	59.9	28.2	14.8	14.7	10.0	3.8	2.7	44.9	2.8	3.0	3.2	
Max Capacity	mw	166.5	161.4	173.1	80.1	127.8	58.1	3.8	107.9	175.9	154.4	160.9	139.0	