

COLORADO-BIG THOMPSON MONTHLY OPERATIONS

HYDROLOGY OPERATIONS

Green Mtn Reservoir		Initial Cont Elev 62.0 kaf 7892.30 ft				Maximum Cont Elev 153.6 kaf 7949.91 ft				Minimum Cont Elev 6.0 kaf 7795.72 ft				Total
2009		Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
Dillon Inflow	kaf	4.3	8.4	48.3	88.5	39.2	14.1	6.8	6.1	4.9	4.4	4.0	3.6	232.6
Dillon-Grn Mtn Gain	kaf	4.1	8.9	33.0	57.2	27.5	12.4	7.1	6.4	4.8	4.2	3.8	3.2	172.6
Undepleted Inflow	kaf	8.4	17.3	81.3	145.7	66.7	26.5	13.9	12.5	9.7	8.6	7.8	6.8	405.2
Depletion	kaf	0.0	4.6	36.3	23.3	16.4	7.4	3.4	2.1	0.7	0.0	0.3	-0.3	94.2
Depleted Inflow	kaf	8.4	12.7	45.0	122.4	50.3	19.1	10.5	10.4	9.0	8.6	7.5	7.1	311.0
Turbine Release	kaf	12.3	10.5	14.5	66.6	42.5	39.9	44.2	36.9	15.5	11.5	12.3	11.1	317.8
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	12.3	10.5	14.5	66.6	42.5	39.9	44.2	36.9	15.5	11.5	12.3	11.1	317.8
Min Release	cfs	200	176	100	693	600	649	743	600	260	187	200	200	
Total River Release	cfs	200	176	236	1119	691	649	743	600	260	187	200	200	
Evaporation	kaf	0.1	0.2	0.5	0.8	0.8	0.6	0.5	0.3	0.1	0.0	0.0	0.0	3.9
End-Month Targets	kaf		75.0	90.0	145.0	152.0								
End-Month Content	kaf	58.0	60.0	90.0	145.0	152.0	130.6	96.4	69.6	63.0	60.1	55.3	51.3	
End-Month Elevation	ft	7888.55	7890.45	7914.31	7945.78	7949.15	7938.50	7918.62	7898.90	7893.20	7890.54	7885.91	7881.81	
Willow Crk Reservoir		Initial Cont Elev 8.1 kaf 8120.90 ft				Maximum Cont Elev 10.2 kaf 8128.83 ft				Minimum Cont Elev 5.0 kaf 8104.78 ft				Total
2009		Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
Native Inflow	kaf	1.0	4.4	21.3	19.5	5.6	1.9	1.1	1.1	0.9	0.8	0.8	0.7	59.1
Min Release	kaf	0.4	0.4	1.5	2.6	2.2	0.5	0.4	0.4	0.8	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	0.4	0.4	1.5	2.6	2.2	0.5	0.4	0.4	0.8	0.4	0.4	0.4	10.4
Pumped to Granby	kaf	2.8	2.7	17.9	15.8	4.3	1.0	0.9	1.3	1.2	0.0	0.0	0.0	47.9
Evaporation	kaf	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6
End-Month Targets	kaf		7.2	9.0	10.0	9.0		9.0		7.2				
End-Month Content	kaf	5.9	7.2	9.0	10.0	9.0	9.3	9.0	8.3	7.2	7.6	8.0	8.3	
End-Month Elevation	ft	8110.16	8116.90	8124.50	8128.14	8124.50	8125.63	8124.50	8121.73	8116.90	8118.74	8120.48	8121.73	

Lake Granby		Initial Cont Elev 8243.76 ft				307.7 kaf Maximum Cont Elev 8279.50 ft				536.1 kaf Minimum Cont Elev 8186.91 ft				76.5 kaf		Total
2009		Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
Native inflow	kaf	1.5	4.2	24.8	42.0	17.0	4.6	1.8	2.1	1.3	1.4	1.4	1.2	103.3		
Rels frm Shadow Mtn	kaf	1.2	1.2	15.3	52.5	12.4	2.5	2.1	2.2	2.7	2.8	1.2	1.1	97.2		
Pump frm Windy Gap	kaf	0.0	2.0	15.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0		
Pump frm Willow Crk	kaf	2.8	2.7	17.9	15.8	4.3	1.0	0.9	1.3	1.2	0.0	0.0	0.0	47.9		
Total Inflow	kaf	5.5	10.1	73.0	116.3	33.7	8.1	4.8	5.6	5.2	4.2	2.6	2.3	271.4		
Min River Release	kaf	1.2	1.2	4.6	4.7	3.3	2.5	1.0	1.4	1.2	1.2	1.2	1.1	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	1.2	1.2	4.6	4.7	3.3	2.5	1.0	1.4	1.2	1.2	1.2	1.1	24.6		
Pumped to Shadow Mtn	kaf	27.5	18.7	0.0	0.0	0.0	12.7	17.8	7.6	1.4	17.7	32.9	28.4	164.7		
Evaporation	kaf	0.8	1.2	2.0	2.8	2.7	2.2	2.0	1.5	0.7	0.2	0.0	0.0	16.1		
Seepage loss	kaf	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	4.0		
End-Month Content	kaf	283.4	272.1	338.2	446.6	473.9	464.2	447.8	442.6	444.2	429.0	397.2	369.7			
End-Month Elevation	ft	8239.28	8237.12	8249.15	8266.63	8270.67	8269.25	8266.82	8266.03	8266.27	8263.96	8258.96	8254.48			
Shadow Mtn		Initial Cont Elev 8366.62 ft				17.7 kaf Maximum Cont Elev 8367.00 ft				18.4 kaf Minimum Cont Elev 8366.02 ft				16.6 kaf		Total
2009		Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
Native inflow	kaf	2.2	6.4	37.1	63.0	25.4	6.9	2.7	3.2	2.0	2.1	2.1	1.9	155.0		
Pumped from Granby	kaf	27.5	18.7	0.0	0.0	0.0	12.7	17.8	7.6	1.4	17.7	32.9	28.4	164.7		
Total Inflow	kaf	29.7	25.1	37.1	63.0	25.4	19.6	20.5	10.8	3.4	19.8	35.0	30.3	319.7		
Min River Release	kaf	1.2	1.2	1.2	3.0	3.1	2.5	2.1	2.2	2.7	2.8	1.2	1.1	24.3		
Spill/Bypass	kaf	0.0	0.0	14.1	49.5	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.9		
Total River Release	kaf	1.2	1.2	15.3	52.5	12.4	2.5	2.1	2.2	2.7	2.8	1.2	1.1	97.2		
Adams Tunnel Flow	kaf	28.2	23.5	21.1	9.7	12.3	16.5	17.9	8.2	0.5	16.9	33.8	29.2	217.8		
Evaporation	kaf	0.3	0.4	0.7	0.8	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	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	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total		
Max Tunnel Capacity	kaf	33.8	32.7	33.8	32.7	33.8	17.9	32.7	33.8	0.0	16.9	33.8	30.5	332.4		
Actual delivery	kaf	28.2	23.5	21.1	9.7	12.3	16.5	17.9	8.2	0.5	16.9	33.8	29.2	217.8		
% max delivery	%	83	72	62	30	36	92	55	24	0	100	100	96			
Big T @ Lake Estes	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total		
Big Thompson inflow	kaf	1.0	2.8	16.2	32.4	19.3	8.7	4.8	2.6	1.8	1.2	1.0	0.7	92.5		
Min river release	kaf	1.5	2.2	6.9	7.4	7.7	6.9	3.7	3.1	1.5	1.5	1.5	1.4	45.3		
Act river release	kaf	1.0	2.2	6.9	9.3	7.7	6.9	3.7	2.6	1.8	1.2	1.0	0.7	45.0		

Big T irr (Estes)	kaf	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.1	1.2
Handy Ditch release	kaf	0.0	1.2	1.2	1.2	1.8	2.9	1.7	1.2	0.0	0.0	0.0	0.0	11.2
Water available	kaf	1.9	3.3	10.8	18.2	13.4	7.4	3.8	2.8	2.4	1.5	1.5	1.4	68.4
Water diverted	kaf	0.0	3.3	10.8	0.0	10.1	7.4	3.8	2.8	0.0	0.0	0.0	0.0	38.2
% diverted	%		100	100		75	100	100	100					

Trifurcation Works	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Rels from Flatiron	kaf	15.3	14.6	30.1	32.6	23.6	13.2	13.2	4.8	0.2	6.3	13.2	11.8	178.9
Rels to 550 Canal	kaf	15.3	13.3	18.6	7.6	9.0	5.9	6.2	2.4	0.2	6.3	13.2	11.8	109.8
Big T irrigation	kaf	0.0	0.7	2.2	1.9	3.0	5.5	5.9	2.4	0.0	0.0	0.0	0.0	21.6
Dille Tunnel	kaf	0.0	3.3	10.8	0.0	10.1	7.4	3.8	2.8	0.0	0.0	0.0	0.0	38.2
Tot rels to river	kaf	0.0	4.6	22.3	25.0	24.7	14.7	10.8	5.2	0.0	0.0	0.0	0.0	107.3
Irrigation demand	kaf	0.0	0.7	2.2	1.9	2.7	5.2	5.6	2.4	0.0	0.0	0.0	0.0	20.7
Big T irr (Estes)	kaf	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.1	1.2
Windy Gap demand	kaf	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.9
Total requirement	kaf	0.1	0.8	2.4	2.0	3.2	5.6	6.0	2.4	0.1	0.0	0.1	0.1	22.8
Total delivery	kaf	0.1	0.8	2.4	2.0	3.2	5.6	6.0	2.4	0.1	0.0	0.1	0.1	22.8
% required delivery	%	100	100	100	100	100	100	100	100	100	0	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 550	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Inflow from Flatiron	kaf	15.3	13.3	18.6	7.6	9.0	5.9	6.2	2.4	0.2	6.3	13.2	11.8	109.8
Maximum flow	kaf	32.0	16.4	32.0	30.9	32.0	32.0	30.9	16.0	30.9	32.0	32.0	28.9	346.0
Seepage loss	kaf	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.4
Irrigation demand	kaf	0.1	0.1	0.3	0.2	0.6	0.7	0.5	0.7	0.1	0.1	0.1	0.1	3.6
Irrigation delivery	kaf	0.1	0.1	0.3	0.2	0.6	0.7	0.5	0.7	0.0	0.1	0.1	0.1	3.5
Minimum flow	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1	2.8	20.9
Rels to Horsetooth	kaf	15.0	13.0	18.1	7.2	8.2	5.0	5.5	1.5	0.0	6.0	12.9	11.5	103.9

Horsetooth Reservoir		Initial Cont			92.2 kaf			Maximum Cont			156.7 kaf			Minimum Cont			5.0 kaf		
		Elev			5393.88 ft			Elev			5429.98 ft			Elev			5297.06 ft		
	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total					
Inflow	kaf	15.0	13.0	18.1	7.2	8.2	5.0	5.5	1.5	0.0	6.0	12.9	11.5	103.9					
Total irr delivery	kaf	1.9	2.4	7.2	8.2	21.3	26.4	13.0	7.8	1.7	1.7	1.9	1.8	95.3					
Evaporation loss	kaf	0.2	0.4	0.7	0.8	0.7	0.5	0.4	0.3	0.1	0.0	0.0	0.0	4.1					
Seepage loss	kaf	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	1.7					
End-Month Targets	kaf	105.0	115.0	125.0	123.0	109.0	87.0	79.0	72.0	72.9	75.0	85.9	95.0						
End-Month Content	kaf	105.0	115.0	125.0	123.0	109.0	87.0	79.0	72.3	70.4	74.6	85.4	95.0						
End-Month Elevation	ft	5401.89	5407.81	5413.47	5412.35	5404.29	5390.47	5385.01	5380.23	5378.83	5381.89	5389.39	5395.68						
Irrigation demand	kaf	0.0	0.1	3.6	4.3	14.3	20.1	10.7	5.6	0.0	0.0	0.0	0.0	58.7					
Metered delivery	kaf	1.5	1.9	3.2	3.5	5.5	4.8	0.9	1.8	1.3	1.3	1.5	1.4	28.6					

Windy Gap demand	kaf	0.4	0.4	0.4	0.4	1.5	1.5	1.4	0.4	0.4	0.4	0.4	0.4	8.0
Total demand	kaf	1.9	2.4	7.2	8.2	21.3	26.4	13.0	7.8	1.7	1.7	1.9	1.8	95.3
Total irr delivery	kaf	1.9	2.4	7.2	8.2	21.3	26.4	13.0	7.8	1.7	1.7	1.9	1.8	95.3
% 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
Total CBT Delivery	kaf	3.1	7.2	15.8	19.0	37.4	47.7	28.0	16.8	2.7	2.6	3.0	2.8	186.1
Windy Gap Ownership 2009		Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Accrual	kaf	0.0	1.8	13.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.7
Total release	kaf	0.8	0.9	2.7	3.1	4.3	4.1	3.6	1.0	0.8	0.8	0.8	0.8	23.7
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	47.5	48.4	59.2	61.5	57.2	53.1	49.5	48.5	47.7	46.9	46.1	45.3	

PUMPING AND GENERATION OPERATIONS

Green Mtn Gen	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Max Generation	gwh	8.850	17.005	18.600	18.000	18.600	18.600	18.000	18.600	17.913	8.950	8.702	7.557	179.377
Generation	gwh	1.946	1.654	2.452	13.037	8.918	8.251	8.564	6.455	2.524	1.833	1.926	1.703	59.263
% Max Generation	%	22	10	13	72	48	44	48	35	14	20	22	23	
Ave kwh/af		158	158	169	196	210	207	194	175	163	159	157	153	
Willow Crk Pumping	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Maximum pumping	kaf	27.7	26.8	27.7	26.8	27.7	27.7	26.8	27.7	26.8	0.0	0.0	0.0	245.7
Actual pumping	kaf	2.8	2.7	17.9	15.8	4.3	1.0	0.9	1.3	1.2	0.0	0.0	0.0	47.9
Pump energy	gwh	0.596	0.575	3.813	3.365	0.916	0.213	0.192	0.277	0.256	0.000	0.000	0.000	10.203
% max pumping	%	10	10	65	59	16	4	3	5	4				
Average kwh/af		213	213	213	213	213	213	213	213	213				
Lake Granby Pumping	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Maximum pumping	kaf	36.9	35.7	36.9	35.7	36.9	36.9	35.7	36.9	35.7	36.9	36.9	33.3	434.4
Actual pumping	kaf	27.5	18.7	0.0	0.0	0.0	12.7	17.8	7.6	1.4	17.7	32.9	28.4	164.7
Pump energy	gwh	4.318	2.992	0.000	0.000	0.000	1.816	2.563	1.094	0.203	2.567	4.836	4.232	24.621
% max pumping	%	75	52				34	50	21	4	48	89	85	
Average kwh/af		157	160				143	144	144	145	145	147	149	
Marys Lake Gen	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Adams Tunnel Flow	kaf	28.2	23.5	21.1	9.7	12.3	16.5	17.9	8.2	0.5	16.9	33.8	29.2	
Max generation	gwh	6.060	5.840	6.060	5.840	6.060	6.060	5.840	5.380	0.000	0.000	6.060	5.400	58.600
Generation	gwh	5.040	4.200	3.720	1.640	2.160	2.900	3.180	1.340	0.000	0.000	6.060	5.220	35.460
% Max Generation	%	83	72	61	28	36	48	54	25			100	97	
Ave kwh/af		179	179	176	169	176	176	178	163			179	179	

Lake Estes Gen	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Adams Tunnel Flow	kaf	28.2	23.5	21.1	9.7	12.3	16.5	17.9	8.2	0.5	16.9	33.8	29.2	
Max generation	gwh	10.450	9.660	9.980	10.060	14.920	14.920	14.450	14.920	14.450	14.920	11.940	10.060	150.730
Generation	gwh	10.450	9.660	9.340	4.250	5.720	7.600	8.160	3.500	0.000	7.760	11.940	10.060	88.440
% Max Generation	%	100	100	94	42	38	51	56	23		52	100	100	
Ave kwh/af		441	441	443	438	465	461	456	427		459	441	439	
Pole Hill Gen	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Olympus Tunnel flow	kaf	28.1	24.0	30.2	32.7	23.7	18.2	18.9	8.2	0.4	16.9	33.7	29.1	264.1
Max generation	gwh	25.260	24.460	25.260	24.460	25.260	25.260	24.460	22.720	0.000	5.750	25.260	22.800	250.950
Generation	gwh	10.200	9.880	10.200	9.880	10.200	10.200	9.880	5.400	0.000	4.640	10.200	9.240	99.920
% Max Generation	%	40	40	40	40	40	40	40	24		81	40	41	
Ave kwh/af		363	412	338	302	430	560	523	659		546	303	318	
Flatiron 1&2 Gen	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Inflow to Flatiron	kaf	28.0	23.9	30.1	32.6	23.6	18.0	18.7	8.0	0.2	16.7	33.6	29.0	262.4
Max generation	gwh	12.050	11.690	12.050	11.690	12.050	12.050	11.690	12.050	0.000	5.580	12.050	10.880	123.830
Generation	gwh	12.050	11.690	12.050	11.690	12.050	12.050	11.690	6.600	0.000	5.580	12.050	10.880	118.380
% Max Generation	%	100	100	100	100	100	100	100	55		100	100	100	
Ave kwh/af		893	892	893	892	893	893	892	825		821	893	892	
Flatiron 3 Pump/Gen	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Maximum pumping	kaf	16.9	9.4	0.0	17.1	19.6	21.7	22.4	24.0	0.0	12.0	22.0	17.8	182.9
Pump from Flatiron	kaf	12.7	9.3	0.0	0.0	0.0	4.8	5.5	3.2	0.0	10.4	20.4	17.2	83.5
Pump energy	gwh	4.712	3.608	0.000	0.000	0.000	1.416	1.535	0.867	0.000	2.829	5.936	5.538	26.441
% max pumping	%	75	99				22	25	13		87	93	97	
Average kwh/af		371	388				295	279	271		272	291	322	
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	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Total release	kaf	0.0	4.6	22.3	25.0	24.7	14.7	10.8	5.2	0.0	0.0	0.0	0.0	107.3
Turbine release	kaf	0.0	4.6	22.3	23.9	24.7	14.7	10.8	5.2	0.0	0.0	0.0	0.0	106.2
Wasteway release	kaf	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
Max generation	gwh	0.000	3.800	3.940	3.800	3.940	3.940	3.800	3.940	0.000	0.000	0.000	0.000	27.160
Generation	gwh	0.000	0.500	3.560	3.800	3.940	2.140	1.460	0.540	0.000	0.000	0.000	0.000	15.940
% Max Generation	%		13	90	100	100	54	38	14					
Ave kwh/af			109	160	159	160	146	135	104					

PROJECT GENERATION AND PUMPING SUMMARY

Project Generation	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Base Generation:														
Big Thompson	gwh	0.000	0.500	3.560	3.800	3.940	2.140	1.460	0.540	0.000	0.000	0.000	0.000	15.940
Green Mtn	gwh	1.946	1.654	2.452	13.037	8.918	8.251	8.564	6.455	2.524	1.833	1.926	1.703	59.263
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	1.946	2.154	6.012	16.837	12.858	10.391	10.024	6.995	2.524	1.833	1.926	1.703	75.203
Load Following Generation:														
Marys Lake	gwh	5.040	4.200	3.720	1.640	2.160	2.900	3.180	1.340	0.000	0.000	6.060	5.220	35.460
Lake Estes	gwh	10.450	9.660	9.340	4.250	5.720	7.600	8.160	3.500	0.000	7.760	11.940	10.060	88.440
Pole Hill	gwh	10.200	9.880	10.200	9.880	10.200	10.200	9.880	5.400	0.000	4.640	10.200	9.240	99.920
Flatiron 1,2	gwh	12.050	11.690	12.050	11.690	12.050	12.050	11.690	6.600	0.000	5.580	12.050	10.880	118.380
Total	gwh	37.740	35.430	35.310	27.460	30.130	32.750	32.910	16.840	0.000	17.980	40.250	35.400	342.200
Total generation	gwh	39.686	37.584	41.322	44.297	42.988	43.141	42.934	23.835	2.524	19.813	42.176	37.103	417.403
Total max generation	gwh	62.670	72.455	75.890	73.850	80.830	80.830	78.240	77.610	32.363	35.200	64.012	56.697	790.647
Project Pump Energy	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Granby	gwh	4.318	2.992	0.000	0.000	0.000	1.816	2.563	1.094	0.203	2.567	4.836	4.232	24.621
Willow Creek	gwh	0.596	0.575	3.813	3.365	0.916	0.213	0.192	0.277	0.256	0.000	0.000	0.000	10.203
Flatiron 3	gwh	4.712	3.608	0.000	0.000	0.000	1.416	1.535	0.867	0.000	2.829	5.936	5.538	26.441
Total pump energy	gwh	9.626	7.175	3.813	3.365	0.916	3.445	4.290	2.238	0.459	5.396	10.772	9.770	61.265
Total net generation	gwh	30.060	30.409	37.509	40.932	42.072	39.696	38.644	21.597	2.065	14.417	31.404	27.333	356.138
Release Flexibility	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Adams Tunnel	Min kaf	28.2	23.5	21.1	9.7	12.3	16.5	17.9	8.2	0.5	16.9	33.8	29.2	
Adams Tunnel	Max kaf	28.2	23.5	21.1	9.7	12.3	16.5	17.9	8.2	0.5	16.9	33.8	29.2	
Marys Lake	Min gwh	5.040	4.200	3.720	1.640	2.160	2.900	3.180	1.340	0.000	0.000	6.060	5.220	
Marys Lake	Max gwh	5.040	4.200	3.720	1.640	2.160	2.900	3.180	1.340	0.000	0.000	6.060	5.220	
Lake Estes	Min gwh	10.450	9.660	9.340	4.250	5.720	7.600	8.160	3.500	0.000	7.760	11.940	10.060	
Lake Estes	Max gwh	10.450	9.660	9.340	4.250	5.720	7.600	8.160	3.500	0.000	7.760	11.940	10.060	
Olympus Tunnel	Min kaf	28.1	24.0	30.2	32.7	23.7	18.2	18.9	8.2	0.4	16.9	33.7	29.1	
Olympus Tunnel	Max kaf	28.1	24.0	30.2	32.7	23.7	18.2	18.9	8.2	0.4	16.9	33.7	29.1	
Pole Hill	Min gwh	20.980	18.000	22.560	24.460	17.760	13.940	14.430	5.540	0.000	5.750	25.190	21.770	
Pole Hill	Max gwh	20.980	18.000	22.560	24.460	17.760	13.940	14.430	5.540	0.000	5.750	25.190	21.770	

Flatiron 1&2	Min gwh	12.050	11.690	12.050	11.690	12.050	12.050	11.690	6.600	0.000	5.580	12.050	10.880
Flatiron 1&2	Max gwh	12.050	11.690	12.050	11.690	12.050	12.050	11.690	6.600	0.000	5.580	12.050	10.880
Load following	Min gwh	48.520	43.550	47.670	42.040	37.690	36.490	37.460	16.980	0.000	19.090	55.240	47.930
Load following	Max gwh	48.520	43.550	47.670	42.040	37.690	36.490	37.460	16.980	0.000	19.090	55.240	47.930
Total project	Min gwh	50.466	45.704	53.682	58.877	50.548	46.881	47.484	23.975	2.524	20.923	57.166	49.633
Total project	Max gwh	50.466	45.704	53.682	58.877	50.548	46.881	47.484	23.975	2.524	20.923	57.166	49.633

GENERATION CAPACITY AND DURATION

Project Generation	2009	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Total
Base Generation:														
Green Mtn	mw	2.6	2.3	3.3	18.1	12.0	11.1	11.9	8.7	3.5	2.5	2.6	2.5	
Flatiron 3	mw													
Big Thompson	mw		0.7	4.8	5.3	5.3	2.9	2.0	0.7					
Total base load	mw	2.6	3.0	8.1	23.4	17.3	14.0	13.9	9.4	3.5	2.5	2.6	2.5	
Load Following Generation:														
Marys Lake														
Min Capacity	mw	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	
Duration	hr/d	2.7	6.2	7.9	11.1	11.1	11.0	10.3	10.6	12.0	10.9	12.0	2.0	
Max Capacity	mw	8.1	8.1	8.1	4.5	5.8	7.9	8.1	3.5	0.0	8.1	8.1	8.1	
Duration	hr/d	20.3	16.9	15.1	11.9	11.9	12.1	12.7	12.4	12.0	12.1	12.0	21.0	
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	12.0	12.0	11.0	12.0	
Max Capacity	mw	35.1	29.7	26.7	12.2	15.1	20.2	21.9	10.2	0.0	20.8	45.0	36.7	
Duration	hr/d	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	12.0	
Pole Hill														
Min Capacity	mw	0.0	0.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	0.0	
Duration	hr/d	3.4	6.4	2.0	12.0	6.6	10.6	10.1	12.0	12.0	11.6	12.0	2.6	
Max Capacity	mw	34.0	34.0	34.0	34.0	34.0	34.0	34.0	15.4	0.0	33.9	34.0	34.0	
Duration	hr/d	20.6	17.6	22.1	12.0	17.4	13.4	13.9	12.0	12.0	12.5	12.0	21.4	
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	12.0	12.0	11.6	9.5	12.0	11.9	12.0	12.0	12.0	11.4	8.8	12.0	
Max Capacity	mw	70.0	58.7	78.4	85.2	57.8	44.0	45.4	19.0	0.0	42.4	86.0	74.0	
Duration	hr/d	12.0	12.0	11.6	10.0	12.0	12.1	12.0	12.0	12.0	12.6	10.0	12.0	
Total Load Following														
Min Capacity	mw	0.0	0.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	42.1	0.0	
Max Capacity	mw	147.2	130.5	147.2	135.9	112.7	106.1	109.4	48.1	0.0	105.2	173.1	152.8	
Total Project Capacity														
Min Capacity	mw	2.6	3.0	8.1	57.4	17.3	14.0	13.9	9.4	3.5	2.5	44.7	2.5	

Max Capacity	mw	149.8	133.5	155.3	159.3	130.0	120.1	123.3	57.5	3.5	107.7	175.7	155.3
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