

Energy Management and Marketing Office Reservoir Operations

- FIRM ELECTRIC SERVICE CONTRACT OBLIGATIONS.
 - CONTROL AREA REQUIREMENTS.
 - Other Services
-

Reservoir Operations

□ FIRM ELECTRIC SERVICE OBLIGATIONS. (Related Activities)

1. Schedule/deliver firm electric service energy/capacity. Example: LAP firm schedules.
 2. Operate Generation/Reservoirs in most efficient manner practicable to serve firm electric service obligations.
 3. As necessary, purchase energy to support firm electric service obligations. When surpluses are present, operate resources to sell surplus energy at best possible price "after firm obligations are met".
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EMMO

Core Business Activities

□ CONTROL AREA ACTIVITIES

1. Maintain sufficient reserve and regulation margins in Merchant scheduled generation resources as required.
 2. Operate generation resources to protect interconnected transmission assets.
 3. Operate generation resources, purchase and or sell energy as required by the control area reliability dispatcher to maintain control area balance & reliability criteria.
 4. Re-balance reservoir elevations to daily targets as required Maintain sufficient reserve and regulation margins in Merchant scheduled generation resources as required.
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EMMO

Core Business Activities

□ CONTRACT MERCHANT ACTIVITIES (Basin, RMGC, Page, WMPA)

1. Monitor load/resource balance to maintain within operating imbalance limits.
 2. Make energy purchases at best possible price as required to maintain load balance within control area.
 3. Schedule resources as required following guidelines submitted by contractor.
 4. Make surplus sales at best possible price
-

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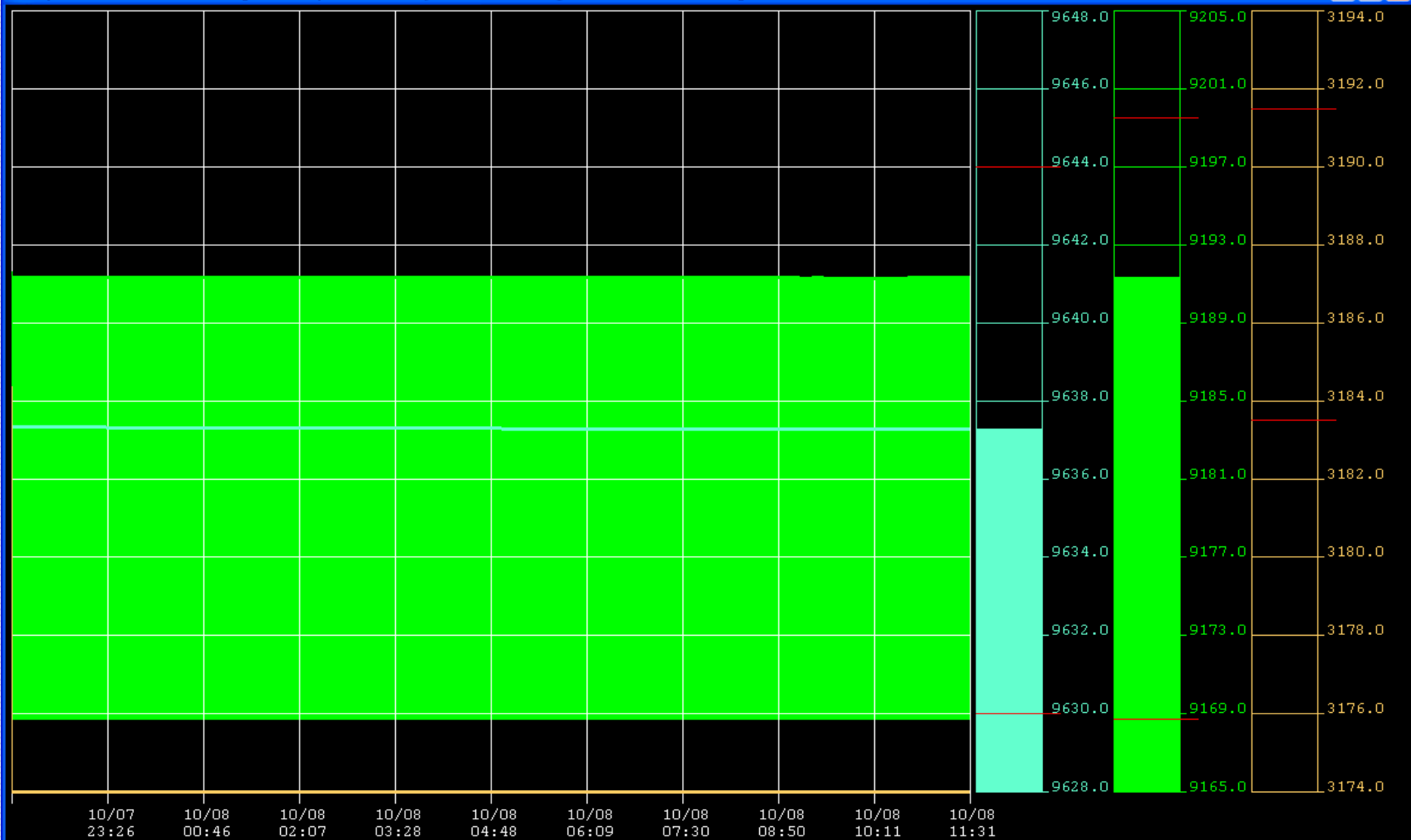
Modify day's request data

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 Zone :
 Date : 10/07/2008

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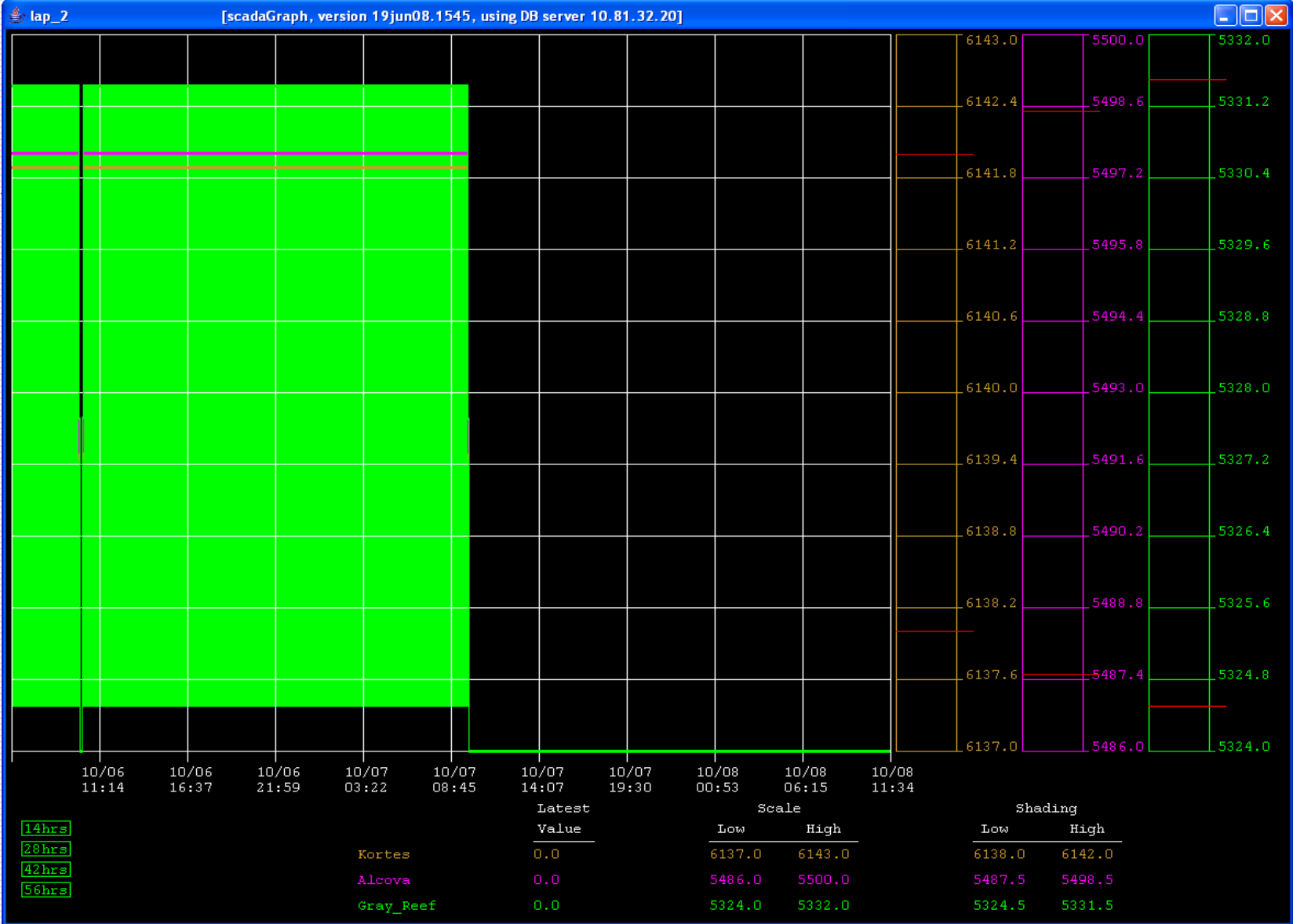


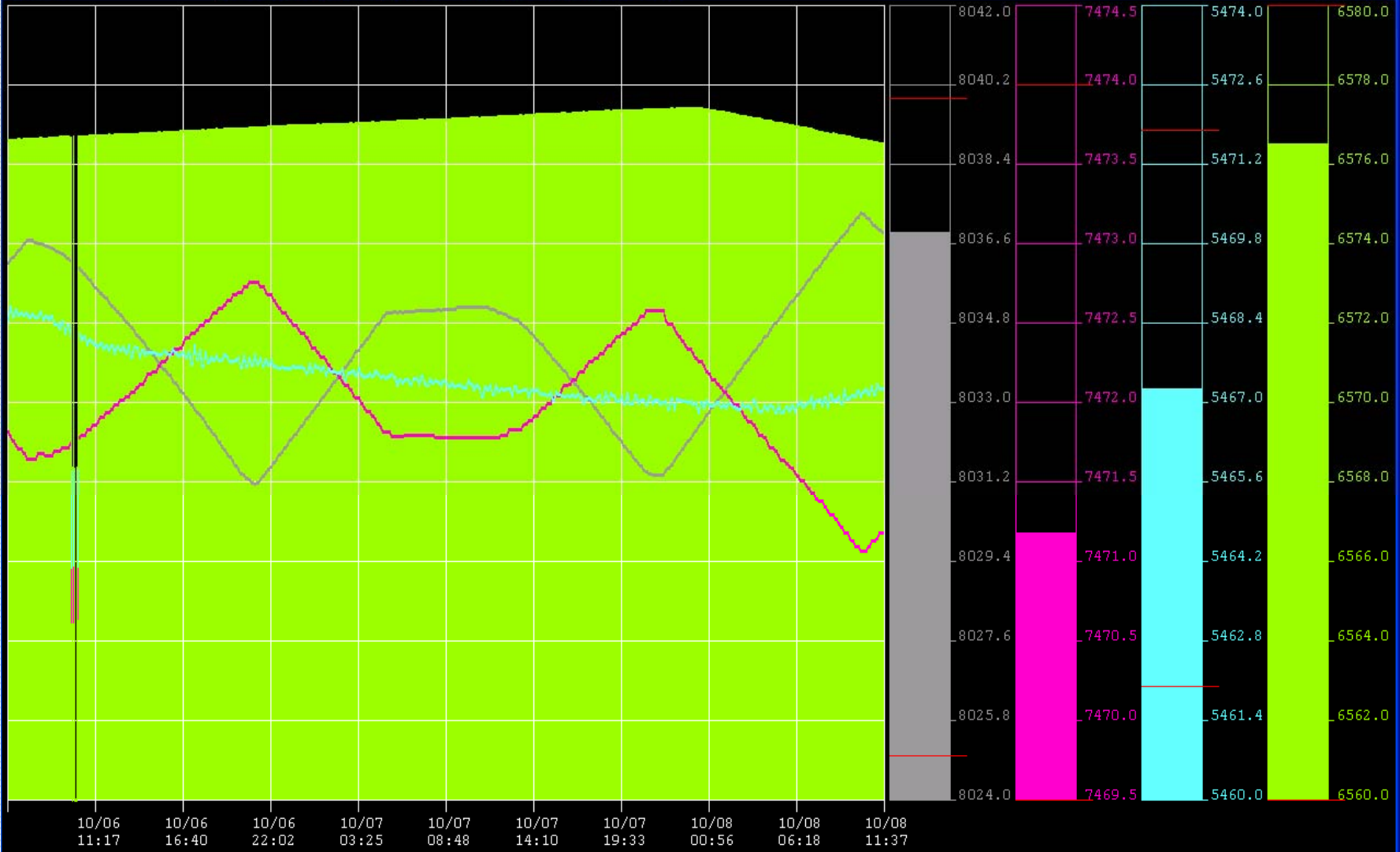
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- 14hrs
- 28hrs
- 42hrs
- 56hrs

	Latest Value	Scale		Shading	
		Low	High	Low	High
Mt_Elbert_fbay	9637.15	9628.0	9648.0	9630.0	9644.0
Mt_Elbert_abay	9191.04	9165.0	9205.0	9168.70	9199.5
Yellowtail	0.0	3174.0	3194.0	3183.5	3191.5





	Latest Value	Scale		Shading	
		Low	High	Low	High
Marys_Lake_Elev	8036.72	8024.0	8042.0	8025.0	8039.89
Lake_Estes_Elev	7471.14	7469.5	7474.5	7469.5	7474.0
Flatiron_Elev	5467.15	5460.0	5474.0	5462.0	5471.79
Pinewood_Elev	6576.36	6560.0	6580.0	6560.0	6580.0

CRSP **LAP** **CRSP Reserves**

-Casper BOR

-Loveland BOR

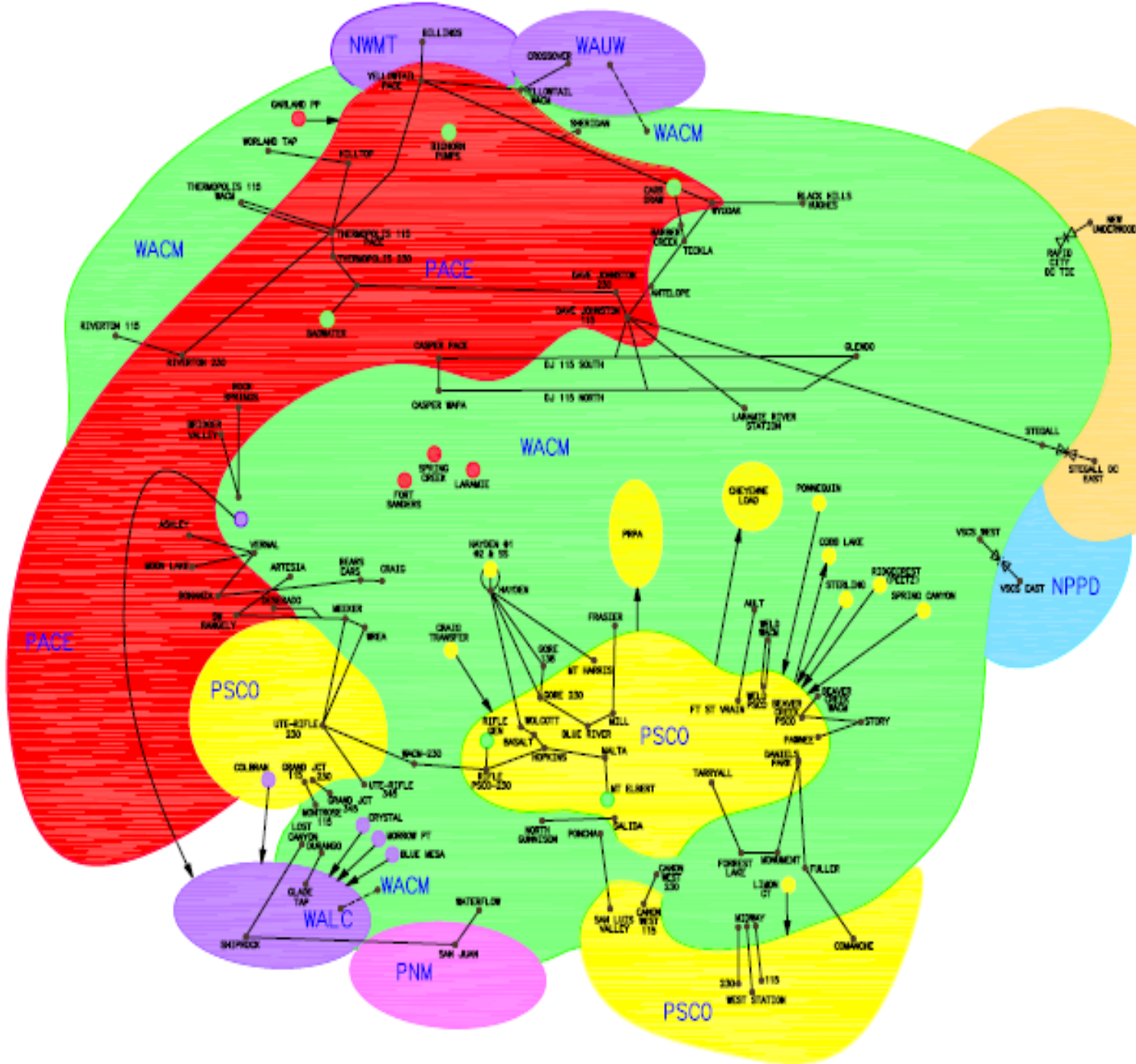
Data updated at: Wed Oct 08 11:40:11 GMT-07:00

LAP	Curr Gen	Forebay Elev	Afterbay Elev
Yellowtail	65		0
Mt Elbert	0	9637	9191
Seminole	6		
Kortes	8	0	
Fremont Cnyn	0		
Alcova/Grey Rf	4	0	0
Glendo	0		
Guernsey	-0		
Boysen	5		
Heart Mtn	5		
Buffalo Bill	16		
Green Mtn	13		
Marys Lake	8	8037	
Estes	26	7471	
Pole Hill	21		
Pinewd/Fltn	36	6576	5467
Big Thompson	3		
TOTAL GEN	217		
Flatiron 3	9		
Granby Pump	0		
Willow Creek	2		
TOTAL PUMPS	11		

Entity Name	MW
Lar. River #2	559.74
Lar. River #3	571.30
TOTAL LRS	1131.05
Arvada Gen	.00
Barber Gen	.00
Hartzog Gen	.00

WACM DYN	-8.06
WACM ACE	-.07

Entity Name	ACE
Basin	18.12
WMPA	13.06
LAP ACE DELTA	-98.88



C	07-04-04-08	ADD CHS WMP, STERLING & SPEDS CREEK CREEK AREAS, ADJUSTED FUEL CONTROL AREA.
B	07-01-08-04-08	WACM REVISIONS, ADD EDGAR PUMP
A	07-01-04-04-08	WACM REVISIONS - ADD SAGE CITY DC TIE

WESTERN AREA POWER ADMINISTRATION
 8007 WASHINGTON - LOUISVILLE, INDIANA

WACM CONTROL AREA
 87-89-07-03-8C-8M
INTERCONNECTIONS

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MONDAY 8/7/06				BEPC & RMGC CUTLIST TOOL																				DATE: 8/7		
LRS # 2 Capability				0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	
LRS # 3 Capability				550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550
BEPC SHARE OF LRS UNIT CAPABILITY				326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326
Presched Firm BEPC Resource(LAP firm total)				19218	19220																					
Add. RMGC Resource from WMPA				38289	27596																					
Hartzog Distributed Generation				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Arvada Distributed Generation				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Barber Creek Dist. Generation				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Additional BEPC Resource - Rpd City Tie				19226																						
Additional BEPC Resource - Stegall Tie				19266																						
BEPC Mt E. Pump/Storage Operation				19298	38055	(48)	(43)	(32)	(40)															(3)	(14)	
BEPC Mt E Generation Operation				19277	38054					14	22	21	12	8	8	14	6		17	17	17	9	22	16		
Control Area Over Generation				19825	35215																					
Montrose Purchase Real-Time				238	230	236	240	230	240	230																
Preschedule Purchase				See Purchases Tab																						
BEPC resource from Mile City				19912																						
TOTAL BEPC and RMGC RESOURCES				556	553	570	566	596	625	633	408	401	399	401	403	408	410	418	401	395	408	418	392	363	352	
Surplus Update Only				SURPLUS/DEFICIT																						
Alternate deliveries of PSCo 3 with TOT 3 constraints				25	20	20	20	-14	-20	-15	-15	-15	-15	-15	-15	-15	-15	-14	-15	-15	-15	-15	-20	29	31	
BEPC to RMGC RESOURCE SCHEDULES used to generate RMGC Sales				0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	
real-time AU 25960				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	40	
real-time STY 25961				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	
real-time SCS 25962				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
real-time SG 25963				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Real-Time Upload to ISA				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Update Load					Update Load					Update Load												
				Clear Red					Clear Red					Clear Red												
BEPC - PSCo UNIT CONTINGENT				0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	
BEPC>PSCo Contract #1 and #2				60	60	60	60	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	60	60	
Contract Max at Full LRS 2 and 3				60	60	60	60	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	60	60	
170																										
109614/15/16				19256																						
BEPC>PSCo Contract #3				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SEE NOTE PAGE																										
100% LOAD FACTOR																										
Contract MUST TAKE w/ Full LRSs =				30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
30				15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
TAC#				19259																						
RMGC UNIT CONTINGENT				WSPP - Sched B																						
BASIN > UGP				0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	
Tag #				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1HR FIRM CSU>BASIN																										
BASIN > UGP				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tag #																										
SYS CON																										
TAC#				1100																						
TAC#				1100																						