



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Kathy Zancanella, Power Division Manager

DATE: March 17, 2010

RE: General Information (regarding matters not scheduled on agenda)
3/23/10 Board of Directors Meeting

Operations

Attached for your information is the Storage and Generation Report for February 2010. Also attached is a chart showing precipitation as of March 17. Based on the Pilot Peak snow data and current reservoir storage, Little Grass Valley reservoir should come within 15,000 acre-feet of filling, or nine feet below maximum elevation, if no additional precipitation falls. To capture as much inflow as possible, the spill gates at Little Grass Valley were closed on March 15. DWR's March Bulletin 120 forecast indicates 73% percent of average April–July runoff for the South Fork Feather River, and 79% of average for the Feather River overall.

2010 Water Transfer

The State Water Resources Control Board issued the public notice for the transfer to San Diego County Water Authority on March 8 and it was published in the local papers on March 11. Public comments on the transfer are due on April 12, 2010. On March 15, Mike Glaze and I met with DWR staff to discuss the 2008 transfer and 2009 refill and repayment of the impact account balance as it potentially affects the current transfer, and DWR appears to be poised to block the 2010 transfer by requiring that the combined storage in Little Grass Valley and Sly Creek be drawn down to 40,000 acre-feet.

Maintenance Projects

Sly Creek Outage

The outage at Sly Creek started on March 1 and the unit was returned to service on March 12. Henry Reeson, Bob Cherry and John Davis spent some time going through the governor system and correcting the pressure regulator valve operation. The crew checked the shaft coupling nuts and retightened them. The air



valves on the penstock were removed for inspection and the floats inside were sent out to be powder-coated, while much of the rest of the penstock valve chamber was repainted.

Sly Creek Dam Crest Modification Project

On March 11, representatives from AECOM, Teichert Construction, FERC, DSOD, and SFWPA met with Independent Consultant Wayne Edwards and Independent Facilitator Bill Rettberg to develop a construction-specific emergency action plan and potential failure modes analysis in compliance with FERC requirements. Two new potential failure modes were identified, one during construction and one after completion, although neither were considered "highlighted."

General Information

Employee Milestone

Nick Brandt and Guy Mastelotto were hired at the Agency on March 11, 1985 as utility workers. Nick claims a few minutes seniority as he showed up at work first that day. They both subsequently held the positions of ditch tender and equipment operator before coming to Power Division as operators-in-training, and both are now roving operators. The Power Division crew celebrated their 25-year anniversary on March 17 with a barbeque lunch.



PG&E Contract Discussion

On March 2, Scott Underhill and I met with representatives from several departments at PG&E to discuss operations communications under the new power purchase agreement. We provided information that should clarify their understanding of how the powerhouses operate under a variety of hydrologic conditions. We learned that communications within PG&E itself is complicated by multiple departments handling similar duties, and that, as PG&E continues to reorganize itself, we have to be careful not to assume that Agency communications to one group of employees – namely Fresno Operating Center – are communicated throughout the other organizations.

GOES and a Visit to NID

We initiated a consulting services agreement with Mark Heggli of Innovative Hydrology for services related to purchasing and installing the GOES satellite telemetry equipment this year. Mark will also provide training for the Agency's new hydrographer on the system.

In order to better understand what GOES looks like before it is installed, Art Martinez, Matt Colwell, Eddie Paul, Brian Howerton and I paid a visit to Nevada Irrigation District's hydrographer, Jessica Erickson, on March 16. Jessica showed us her office setup and GOES web interface, and took us to two of her field sites, one at Dutch Flat and the other below Rollins Reservoir on the Bear River. Jessica will be assisting with training Eddie Paul in some of the field activities by having him accompany her on some of her site visits.

**SOUTH FEATHER WATER AND POWER
SOUTH FEATHER POWER PROJECT
February 2010
STORAGE**

RESERVOIR	MAXIMUM CAPACITY	STORAGE ON 2-28-10	STORAGE ON 2-28-09
Little Grass Valley	89,804 AF	45,327 AF	48,357 AF
Sly Creek	64,338 AF	22,969 AF	32,896 AF
Lost Creek	5,361 AF	4,560 AF	4,776 AF
Forbestown Diversion	352 AF	292 AF	352 AF
Ponderosa	4,178 AF	3,621 AF	3,527 AF
Miners Ranch	896 AF	688 AF	759 AF
TOTAL	164,929 AF	77,457 AF	90,667 AF
Slate Creek Tunnel	800 CFS	326 CFS	423 CFS
South Fork Tunnel	600 CFS	113 CFS	174 CFS
Miners Ranch Canal	303 CFS	251 CFS	250 CFS

MONTHLY NET GENERATION

	FOR February 2010	YEAR TO DATE ON 2-28-10	YEAR TO DATE ON 2-28-09
Woodleaf P.H.	13,169,520 KWH	20,448,600 KWH	11,030,400 KWH
Forbestown P.H.	8,380,670 KWH	13,264,460 KWH	5,156,330 KWH
Kelly Ridge P.H.	5,460,533 KWH	10,654,881 KWH	8,418,990 KWH
Sly Creek P.H.	1,383,900 KWH	1,818,600 KWH	884,100 KWH
TOTAL	28,394,623 KWH	46,186,541 KWH	25,489,820 KWH

South Feather Power Project - Forbestown Precipitation

