



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Kathy Petersen, Power Division Manager

DATE: March 17, 2008

RE: General Information (regarding matters not scheduled on agenda)
3/25/08 Board of Directors Meeting

Operations

Attached is the Storage and Generation Report for February 2008. Also attached is a chart showing precipitation as of March 17, 2008. The March 1 runoff forecast, prepared by DWR, predicts 91% of average runoff for the South Fork Feather River. However, on the basis of the snow surveys conducted in the South Feather watersheds at the end of February, a few more storms will be needed to completely fill Little Grass Valley and Sly Creek reservoirs.

Throughout much of the Sly Creek outage, 80 cfs was bypassed to be able to operate Woodleaf and Forbestown powerhouses a few hours each day. PG&E increased that bypass to 160 cfs on March 6 because they believe that generation at the downstream powerhouses was of high value, since peak and off-peak power prices are high this month. South Feather's operations concern has been that the water might be of equal or higher value if left in storage until next summer, and I expressed this concern to PG&E on more than one occasion. With the return of Sly Creek Powerhouse to service and the start of the Forbestown Powerhouse annual outage on March 24, there will no longer be a need to bypass water.

Maintenance Projects

Sly Creek Powerhouse Shaft Alignment

By the time you meet, Sly Creek Powerhouse should be back in operation. Start-up testing is scheduled for Monday, March 17. The reassembly of the powerhouse has gone well as the crew has readjusted the mechanical components to fit the realigned and centered shaft. Measurements made while reassembling things determined that the lower guide bearing bracket needed to be moved to center the bearing on the shaft, and the upper guide bearing had to be sent to Kingsbury to be re-turned as it had become oblong in shape.

The Power Division crew has put in many long and arduous hours tearing the unit apart, finding and fixing the problem and reassembling everything. I am very proud of the work they have done.

General Information

New Equipment

A new Tucker Terra Sno-Cat was delivered to Power Division on March 4. The new equipment has controls similar to a 4-wheel drive truck, and includes a plowing blade and winch (see photo). A new trailer was purchased along with the Tucker. There is an agenda item in this month's package to surplus the 1985 LMC 1500 snow-cat this new unit replaces.



Passing

I am sorry to report that Richard Harlan, the long-time independent engineering consultant for our power facilities, passed away on March 7 following a battle with cancer. Dick was one of the original Bechtel engineers who designed and monitored the construction of the dams, and he provided invaluable background information when we conducted the potential failure modes analyses for FERC in the past few years. He also helped me greatly when I first came to this agency, by educating me on all the various projects that had gone on at our facilities, and I will miss him. His son Rick will work with us to complete the inspection reports left unfinished due to his father's death.

**SOUTH FEATHER WATER AND POWER
SOUTH FEATHER POWER PROJECT
February 2008
STORAGE**

RESERVOIR	MAXIMUM CAPACITY	STORAGE ON 2-29-08	STORAGE ON 2-28-07
Little Grass Valley	94,660 AF	44,751 AF	62,580 AF
Sly Creek	65,650 AF	19,514 AF	26,419 AF
Lost Creek	5,750 AF	4,336 AF	4,921 AF
Forbestown Diversion	358 AF	305 AF	318 AF
Ponderosa	4,750 AF	3,541 AF	4,311 AF
Miners Ranch	896 AF	787 AF	758 AF
TOTAL	172,064 AF	73,234 AF	99,307 AF
Slate Creek Tunnel	800 CFS	125 CFS	93 CFS
South Fork Tunnel	600 CFS	63 CFS	46 CFS
Miners Ranch Canal	303 CFS	243 CFS	250 CFS

MONTHLY NET GENERATION

	FOR February 2008	YEAR TO DATE ON 2-29-08	YEAR TO DATE ON 2-28-07
Woodleaf P.H.	5,644,570 KWH	13,874,920 KWH	35,382,310 KWH
Forbestown P.H.	4,551,460 KWH	9,721,490 KWH	22,597,880 KWH
Kelly Ridge P.H.	5,673,368 KWH	11,226,093 KWH	14,785,332 KWH
Sly Creek P.H.	0 KWH	0 KWH	3,399,200 KWH
TOTAL	15,869,398 KWH	34,822,503 KWH	76,164,722 KWH

South Feather Power Project - Forbestown Precipitation

