



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Kathy Petersen, Power Division Manager

DATE: May 17, 2006

RE: General Information (regarding matters not scheduled on agenda)
5/23/06 Board of Directors Meeting

Operations

Attached for your information is the Storage and Generation Report for April 2006. Also attached is a chart showing the precipitation accumulated year to date. The rains stopped abruptly after April 24th and we are now dealing with snowmelt runoff.

Little Grass Valley is drafting around 580 cfs, and we are allowing about 300 cfs to flow through Slate Creek Tunnel. We are trying to regulate Sly Creek to minimize spill there and at Lost Creek. Forbestown Diversion and Ponderosa are still spilling, and we will delay closing the spill gates at Ponderosa until PG&E stops running the powerhouses 24 hours a day. In the mean time, we are continuing to make use of the TWD's at Woodleaf.

Whitewater Boating Flow Study – Lost Creek

On April 29 we set up operations at Lost Creek to provide flows of 150 cfs downstream of the dam for the final whitewater boating flow study of our relicensing project. The group of boaters who attempted the first descent made it down the stream safely in about 9 hours, but felt the run would have little attraction for any but the most extreme boaters, due to the difficulty and number of portages required.

Maintenance Projects

Road Work

The winter storms left us with roads in poor condition, and the crews have been busy clearing slides and grading the roads for summer travel. They also opened the roads to Lost Creek, Slate Creek and South Fork Diversion, removing the last of the snowdrifts. The road to Little Grass Valley Dam has not yet been opened, but should be cleared by Plumas County by Memorial Day weekend.

Bat Exclusion Work

One of the issues identified during the relicensing studies was the use of some of our facilities by bats for roosting. While we are fine with the bats roosting under the intake structures behind the grizzlies, we would prefer to keep them out of the attics and roof areas of our facilities, so we contracted with Sierra Bat Exclusion of Sonora to remove bats from structures at Sly Creek (campground pump house), Lost Creek (intake structure), Woodleaf penstock (SF-14 valve house and penstock valve house), Forbestown Diversion (intake structure), and Ponderosa (intake structure and Station 7 electrical control building). We notified the Department of Fish and Game of the work, and completed the work at facilities that had been identified as maternity colonies before the critical season began (May 15).

Woodleaf Powerhouse Slope Stabilization Project

Thirteen months after the hillside above Woodleaf Powerhouse came sliding down, the project to stabilize the slope was completed on May 15. Neil's Controlled Blasting installed 98 soil nails and 84 rock bolts, and covered 7,685 square feet of the slope with shotcrete. They have billed us for about \$1,193,400 for the job, and we have not yet seen the final PG&E bills.

Drains installed at various levels of the slope produced up to 300 gpm during the wettest periods this past winter, and are still producing about 40 gpm. A measuring weir was installed in the drainage channel to provide us the means to continue monitoring drain performance. The photos show how things looked before and after.



**SOUTH FEATHER WATER AND POWER
SOUTH FEATHER POWER PROJECT
April 2006**

STORAGE

RESERVOIR	MAXIMUM CAPACITY	STORAGE ON 4-30-06	STORAGE ON 4-30-05
Little Grass Valley	94,660 AF	86,877 AF	75,587 AF
Sly Creek	65,650 AF	59,007 AF	58,244 AF
Lost Creek	5,750 AF	5,193 AF	5,143 AF
Forbestown Diversion	358 AF	352 AF	280 AF
Ponderosa	4,750 AF	4,378 AF	4,200 AF
Miners Ranch	896 AF	674 AF	767 AF
TOTAL	172,064 AF	156,481 AF	144,221 AF
Slate Creek Tunnel	800 CFS	N/A CFS	N/A CFS
South Fork Tunnel	600 CFS	526 CFS	80 CFS
Miners Ranch Canal	303 CFS	270 CFS	269 CFS

MONTHLY NET GENERATION

	FOR April 2006	YEAR TO DATE ON 4-30-06	YEAR TO DATE ON 4-30-05
Woodleaf P.H.	39,452,310 KWH	150,642,600 KWH	52,331,520 KWH
Forbestown P.H.	20,025,850 KWH	49,446,450 KWH	47,746,270 KWH
Kelly Ridge P.H.	7,765,036 KWH	31,107,542 KWH	28,481,772 KWH
Sly Creek P.H.	9,146,300 KWH	23,471,300 KWH	6,315,100 KWH
TOTAL	76,389,496 KWH	254,667,892 KWH	134,874,662 KWH

South Feather Power Project - Forbestown Precipitation

