



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Kathy Petersen, Power Division Manager

DATE: October 15, 2007

RE: General Information (regarding matters not scheduled on agenda)
10/23/07 Board of Directors Meeting

Operations

Attached is the Storage and Generation Report for September 2007. Also attached is a chart showing precipitation to date. The first snowfall was received at Sly Creek Powerhouse on October 5, and small storms have continued to move through the area throughout the month. The current prediction from the National Weather Service is for somewhat above normal precipitation for the north part of the state, with something close to average elsewhere, due to a La Niña weather pattern.

The drawdown of Little Grass Valley Reservoir began on October 4, with releases of 300 cfs. This flow is scheduled to continue through October 17, after which the flow will be ramped down to minimum. The releases to draw down the reservoir have attracted a large number of whitewater enthusiasts who are boating the river between Little Grass Valley and South Fork Diversion.

Maintenance Projects

Sly Creek Powerhouse Annual Outage

With the successful completion of the two-week outage to Kelly Ridge Powerhouse and Miners Ranch canal, the crew has moved to Sly Creek Powerhouse for a two-week outage there. The diving team from Big Valley Divers worked with the crew the first day of the outage to clean debris and barnacles from the stop log gates to allow a full seal when the gates were closed. This allowed the crew to access the scroll case for inspection. On the second day of the outage, the crew determined that the turbine runner is hitting against the draft tube, and the unit has an elliptical rotation. PG&E plans to send someone to perform tests to determine the cause of the elliptical rotation of the shaft. The powerhouse is now scheduled to return to service October 20, because PG&E's distribution line department has an outage scheduled for the day the unit was supposed to be tested.

Lost Creek Dam Foundation Coring

The rock foundation coring project was completed September 28. The driller indicated that he found good hard rock all the way down, so this hopefully reduces the concern of scour potential under probable-maximum-flood-level spill conditions. The photo at right shows some of the rock that came out of the third hole drilled, while the photo below shows the drilling setup.



Lost Creek Dam Bridge Deck Repairs

Gary Daley and Eddie Paul from Water Division have been assisting Joe Gibson and Denny Lewis with replacement of the boards on the Lost Creek Dam bridge deck. Because the schedule for completion of the dam crest modification project is uncertain, the existing deck requires maintenance to remain sound for a few more years. Gary and Eddie also set more than 25 new property boundary monuments along the shore of Little Grass Valley reservoir.



Start of new bridge deck boards

**SOUTH FEATHER WATER AND POWER
SOUTH FEATHER POWER PROJECT
September 2007
STORAGE**

RESERVOIR	MAXIMUM CAPACITY	STORAGE ON 9-30-07	STORAGE ON 9-30-06
Little Grass Valley	94,660 AF	58,664 AF	65,910 AF
Sly Creek	65,650 AF	22,854 AF	32,132 AF
Lost Creek	5,750 AF	5,029 AF	4,750 AF
Forbestown Diversion	358 AF	298 AF	298 AF
Ponderosa	4,750 AF	4,210 AF	4,576 AF
Miners Ranch	896 AF	768 AF	721 AF
TOTAL	172,064 AF	91,823 AF	108,387 AF
Slate Creek Tunnel	800 CFS	N/A CFS	N/A CFS
South Fork Tunnel	600 CFS	62 CFS	278 CFS
Miners Ranch Canal	303 CFS	246 CFS	49 CFS

MONTHLY NET GENERATION

	FOR September 2007	YEAR TO DATE ON 9-30-07	YEAR TO DATE ON 9-30-06
Woodleaf P.H.	12,106,940 KWH	130,294,170 KWH	281,047,570 KWH
Forbestown P.H.	6,141,090 KWH	76,380,490 KWH	127,568,610 KWH
Kelly Ridge P.H.	4,040,481 KWH	56,541,629 KWH	64,586,100 KWH
Sly Creek P.H.	1,649,200 KWH	16,608,000 KWH	45,304,400 KWH
TOTAL	23,937,711 KWH	279,824,289 KWH	518,506,680 KWH

South Feather Power Project - Forbestown Precipitation

