



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Kathy Petersen, Power Division Manager

DATE: November 20, 2006

RE: General Information (regarding matters not scheduled on agenda)
11/28/06 Board of Directors Meeting

Operations

Attached for your information is the Storage and Generation Report for October 2006 and a chart showing precipitation accumulated to date. We have adjusted the fish release at all reservoirs to the winter levels of 5 cfs (except at Slate Creek, where the release is 10 cfs year-round). We began drafting water through the Slate Creek Tunnel on November 14. The Little Grass Valley draft has been set to approximately 50 cfs.

Maintenance Projects

Kelly Ridge Powerhouse Outage

Kelly Ridge Powerhouse was returned to service October 31, two weeks later than anticipated. Upon start up testing, it appeared that there were problems with the governor, since the unit would not come up to full speed. After going back through all of the calibration work done this year, conferring with experts from PG&E and American Governor, and reviewing past maintenance records, John and Henry discovered that about 20 years ago someone had adjusted the fly ball assembly (something that the factory sets and should never be tampered with). By returning the fly ball to its original settings, all of the calibration work that Henry did this year made the governor operate as it was intended to. As with Woodleaf Powerhouse, the unit now starts and parallels more smoothly than it has for many years.

Forbestown Diversion Intake Sediment Removal Project

We are starting the permit process for a sediment removal project that will hopefully take place a year from now. Sediment has piled up in front of the Forbestown Tunnel Intake, reducing the flexibility with which we can operate the reservoir when the powerhouse is running at full load. Alex Brown and Denny Lewis mapped out the extent of the sediment pile and Alex calculated its volume at about 2,600 cubic yards. As

part of the permit process I will be bringing before you a CEQA determination for approval at an upcoming meeting.

General Information

Lost Creek Dam

John Wilkes of CARPI visited Lost Creek Dam on November 9, along with our DMJM+HARRIS

consultants, to determine how well the geomembrane has been holding up, and to look at potential impacts of the dam crest modifications on the liner. A group of engineers from Pennsylvania accompanied Mr. Wilkes, as they are looking at installing a liner on one of the dams there. Our liner has been in place for nine years, and has worked well. An up close inspection confirmed that the material is still pliable and maintaining its seal. It also appears that it will be relatively straightforward to remove the upper portion of liner to lower the spill crest, and then reattach the liner to the modified crest.



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

STORAGE

RESERVOIR	MAXIMUM CAPACITY	STORAGE ON 10-31-06	STORAGE ON 10-31-05
Little Grass Valley	94,660 AF	49,130 AF	51,956 AF
Sly Creek	65,650 AF	34,794 AF	28,093 AF
Lost Creek	5,750 AF	4,782 AF	4,915 AF
Forbestown Diversion	358 AF	309 AF	352 AF
Ponderosa	4,750 AF	4,387 AF	4,120 AF
Miners Ranch	896 AF	818 AF	673 AF
TOTAL	172,064 AF	94,220 AF	90,109 AF
Slate Creek Tunnel	800 CFS	N/A CFS	N/A CFS
South Fork Tunnel	600 CFS	260 CFS	240 CFS
Miners Ranch Canal	303 CFS	260 CFS	50 CFS

MONTHLY NET GENERATION

	FOR October 2006	YEAR TO DATE ON 10-31-06	YEAR TO DATE ON 10-31-05
Woodleaf P.H.	16,573,970 KWH	297,621,540 KWH	201,985,190 KWH
Forbestown P.H.	8,906,680 KWH	136,475,290 KWH	142,354,770 KWH
Kelly Ridge P.H.	28,305 KWH	64,614,405 KWH	67,674,322 KWH
Sly Creek P.H.	1,963,100 KWH	47,267,500 KWH	31,104,500 KWH
TOTAL	27,472,055 KWH	545,978,735 KWH	443,118,782 KWH

South Feather Power Project - Forbestown Precipitation

