



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Kathy Petersen, Power Division Manager

DATE: January 16, 2008

RE: General Information (regarding matters not scheduled on agenda)
1/22/08 Board of Directors Meeting

Operations

Attached is the Storage and Generation Report for December 2007. The 2007 annual generation was approximately 68% of average. Also attached is a chart showing precipitation as of January 15, 2008. The precipitation data has been updated with a new 85-year average.

On January 1, new reservoir storage rating tables were put into use. These were developed as a result of the bathymetry studies conducted for the relicensing. Because of using the new tables, it appeared that our combined storage in Little Grass Valley and Sly Creek reservoirs was reduced by about 5,000 acre-feet on that day. The operators sent an explanation of the apparent reduction to the agencies who receive the storage data.

The storms of January 3-6 brought just over 6 inches of precipitation at Forbestown (rain and snow). The 115 kV transmission line tripped on January 4 and was not restored to Forbestown and Woodleaf until January 6. Woodleaf and Forbestown powerhouses both remained spinning in speed-no-load condition to supply station power, as the 12 kV circuits were also down. Because Sly Creek was dismantled, the standby generator supplied power, but the propane tank had to be refilled every three days, requiring crews to plow snow throughout the weekend. Other than trees down, no damage to roads occurred. The crew worked safely throughout the storm, communicating with each other where the various hazards were located.

Maintenance Projects

Sly Creek Powerhouse Shaft Alignment

The storms in early January delayed work on the powerhouse because the generator housing could not be removed during wet conditions. Work resumed with the crane on January 14, and the crew is

reassembling the unit. Technicians from PG&E should arrive on January 18 to begin the alignment measurements. If all goes well and the weather continues to cooperate, the unit should be back in service around February 8.



Forbestown Tunnel Intake Trash Rake Installation and Sediment Removal Project

Prior to installing the new trash rake at the Forbestown Tunnel intake, the plan was to dredge the sediment pile in front of the intake. Based on discussions with local contractors and PG&E, a budget for \$90,000 was set for the dredging project, and a Request for Bids was sent out in early December. Three bids were received on the project, all of which were at least three times the budgeted amount. Therefore, the dredging project will be deferred, while the installation of the rake will go ahead this year. Water Division personnel will assist with the installation work.

**SOUTH FEATHER WATER AND POWER
SOUTH FEATHER POWER PROJECT
December 2007**

STORAGE

RESERVOIR	MAXIMUM CAPACITY	STORAGE ON 12-31-07	STORAGE ON 12-31-06
Little Grass Valley	94,660 AF	45,046 AF	49,405 AF
Sly Creek	65,650 AF	15,455 AF	18,593 AF
Lost Creek	5,750 AF	4,373 AF	5,022 AF
Forbestown Diversion	358 AF	303 AF	310 AF
Ponderosa	4,750 AF	4,012 AF	4,282 AF
Miners Ranch	896 AF	656 AF	704 AF
TOTAL	172,064 AF	69,845 AF	78,316 AF
Slate Creek Tunnel	800 CFS	13 CFS	68 CFS
South Fork Tunnel	600 CFS	24 CFS	88 CFS
Miners Ranch Canal	303 CFS	100 CFS	251 CFS

MONTHLY NET GENERATION

	FOR December 2007	YEAR TO DATE ON 12-31-07	YEAR TO DATE ON 12-31-06
Woodleaf P.H.	7,482,430 KWH	162,321,910 KWH	349,312,190 KWH
Forbestown P.H.	3,424,100 KWH	91,970,670 KWH	166,966,680 KWH
Kelly Ridge P.H.	4,227,731 KWH	70,246,649 KWH	80,519,209 KWH
Sly Creek P.H.	0 KWH	17,551,200 KWH	52,735,500 KWH
TOTAL	15,134,261 KWH	342,090,429 KWH	649,533,579 KWH

South Feather Power Project - Forbestown Precipitation

