



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Kathy Petersen, Power Division Manager

DATE: February 17, 2009

RE: General Information (regarding matters not scheduled on agenda)
2/24/09 Board of Directors Meeting

Operations

Attached is the Storage and Generation Report for January 2009. Also attached is a chart showing precipitation as of February 17, 2009 at 3 pm. The outlook is improving as the series of storms over the past couple of weeks has doubled the snowpack since the first of February. At Pilot Peak, the highest point in the watershed, the water content of the snow increased from 9.1 inches at the beginning of the month to 17.1 inches on February 17. The amount of precipitation at the Forbestown gauge may not seem significant, but much of it has fallen as snow, as it did on the day this report was written.



Maintenance Projects

Forbestown Tunnel Intake Trash Rake and Sediment Removal Project

The sediment removal project is scheduled to begin March 2 with mobilization of the barges onto the reservoir. The technicians from EIMCO Water Technologies who came to program the operating system of the new trash rake discovered several problems with the factory design. Motors were not wound properly and/or were undersized for the application. Corrections will be made and the system will hopefully be placed in service in April.

Spring Outage Season

The annual outages for Forbestown and Sly Creek powerhouses have been moved to the spring to take

advantage of the low demand period for generation. The annual outage at Forbestown will begin February 22 and last for two weeks. The outage at Sly Creek will start on March 16 and is also scheduled to last two weeks. The work at both powerhouses will include routine inspections and repairs that cannot be completed with the powerhouses online.

Microwave Changeover Project

The microwave conversion from 2 GHz analog to 6 GHz digital on the Sunset Hill-Chico and Sunset Hill-Pike County Peak-Forbestown Headquarters paths has been completed. Brian Howerton, Communications Technician, has been working closely with the PG&E crews on the changeover so that he will be ready to maintain the system going forward.

Ponderosa Spill Gates Recoating

A Request for Bids (RFB) was distributed earlier this month for recoating the Ponderosa Dam spill gates, and a bid walk is scheduled for the afternoon of February 25. The RFB was sent to 22 firms throughout California, Nevada and Oregon. The spill gates were scheduled for repainting in 2004 in conjunction with the Woodleaf Penstock painting job, but the budget that year could not cover the entire cost, so the job was deferred until this year. There will probably be an agenda item in March to approve a contract with one of the firms, and the gates should be recoated in April or early May.

General Information

Highway 162 Intersection near Miners Ranch Dam

Caltrans notified the Power Division that they will be adding a signal to the intersection of Olive Highway and Kelly Ridge/Miners Ranch Roads, and will be making some road approach changes in conjunction with that project. They inquired about the culvert capacity requirements for the channel downstream of the leakage weir and the spillway outflow at Miners Ranch Dam. They do not anticipate the project impacting the roadway where the Bangor Canal crosses underneath, but were given the flow capacity requirements for the canal anyway.

**SOUTH FEATHER WATER AND POWER
SOUTH FEATHER POWER PROJECT
January 2009
STORAGE**

RESERVOIR	MAXIMUM CAPACITY	STORAGE ON 1-31-09	STORAGE ON 1-31-08
Little Grass Valley	89,804 AF	36,800 AF	43,492 AF
Sly Creek	64,338 AF	17,952 AF	16,046 AF
Lost Creek	5,361 AF	4,636 AF	3,966 AF
Forbestown Diversion	352 AF	317 AF	308 AF
Ponderosa	4,178 AF	3,307 AF	3,428 AF
Miners Ranch	896 AF	634 AF	770 AF
TOTAL	164,929 AF	63,646 AF	68,010 AF
Slate Creek Tunnel	800 CFS	84 CFS	52 CFS
South Fork Tunnel	600 CFS	38 CFS	29 CFS
Miners Ranch Canal	303 CFS	100 CFS	240 CFS

**MONTHLY NET GENERATION
FOR
January 2009**

	FOR January 2009	YEAR TO DATE ON 1-31-09	YEAR TO DATE ON 1-31-08
Woodleaf P.H.	4,691,260 KWH	4,691,260 KWH	8,230,350 KWH
Forbestown P.H.	2,113,700 KWH	2,113,700 KWH	5,170,030 KWH
Kelly Ridge P.H.	3,414,864 KWH	3,414,864 KWH	5,552,725 KWH
Sly Creek P.H.	395,800 KWH	395,800 KWH	0 KWH
TOTAL	10,615,624 KWH	10,615,624 KWH	18,953,105 KWH

South Feather Power Project - Forbestown Precipitation

