



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Kathy Petersen, Power Division Manager

DATE: April 18, 2007

RE: General Information (regarding matters not scheduled on agenda)
4/24/07 Board of Directors Meeting

Operations

Attached is the Storage and Generation Report for March 2007. Also attached is a chart showing the precipitation accumulated through April 18. Based on the April 1 snow surveys, DWR now estimates that April through July runoff in the South Fork Feather River will be at 36% of average (down from 59% as of March 1), and the total Feather River watershed will be about 39% of average. While we have received more than 60% of average rainfall, we do not have the late spring snowpack. PG&E is operating the power project to generate during the late afternoon peak period, which means that the upper three powerhouses are only operating 4-6 hours per day, and Kelly Ridge has been operating about 20 hours per day.

The FERC license allows for the flows below Little Grass Valley, South Fork Diversion, and Forbestown Diversion dams to remain at 5 cfs (rather than 10 cfs) throughout the summer when the DWR runoff forecast is less than 50 percent of average. FERC was notified by letter dated April 11, 2007 that the project would operate under this dry-year criteria. The last time this occurred was in 2001.

Maintenance Projects

Forbestown Headquarters – Truck Barn Expansion

Bob Cherry and Tom Veurink, assisted by various Power Division employees, continue to work on the extension of the truck barn, as weather permits. The concrete footings were poured on April 5.

Forbestown Powerhouse – Outage Follow-up

The annual outage revealed some issues with relay and protective devices settings, which Joe Romero is working to correct. A subsequent trip of the powerhouse also showed problems with the cooling water low-flow devices, and Joe is also researching how to correct this issue.

Woodleaf Penstock – Forbestown Ditch Release

Henry Reeson and Dorinda Matney completed installing the new gears at the release valve to the Forbestown Ditch, and it is now ready to supply the demands on the ditch system.

General Information

Budget

The 2008 budget proposal is due to PG&E May 8, and a draft is attached to this report. A Hydro Committee meeting is scheduled for May 7 to review and approve the proposed budget submittal, so if you have any concerns or questions, please direct them to the committee and they will be resolved at the meeting on May 7 (I will miss the April Board meeting). As always, once the final budget has been negotiated with PG&E, it will be brought to the Board for approval.

DSOD Valve Operations

The Division of Safety of Dams requests that we periodically operate the dam valves under their observation. On April 10 the large valves at Little Grass Valley, Lost Creek, and South Fork Diversion dams were operated for the DSOD inspector. The time each valve was open was kept to a minimum so as to avoid "losing" water (all of the flows released were captured either at Sly Creek or Forbestown reservoirs).



Photo above – Toe of Little Grass Valley Dam with Howell-Bunger valve fully opened.



Photo at left – Lost Creek Dam 42-inch valve (left) at 20 percent open (approximately 100 cfs); 18-inch valve (right) releasing 8 cfs.

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

STORAGE

RESERVOIR	MAXIMUM CAPACITY	STORAGE ON 3-31-07	STORAGE ON 3-31-06
Little Grass Valley	94,660 AF	70,758 AF	77,571 AF
Sly Creek	65,650 AF	43,857 AF	56,198 AF
Lost Creek	5,750 AF	5,037 AF	5,207 AF
Forbestown Diversion	358 AF	352 AF	352 AF
Ponderosa	4,750 AF	4,158 AF	4,383 AF
Miners Ranch	896 AF	677 AF	726 AF
TOTAL	<hr/> 172,064 AF	<hr/> 124,839 AF	<hr/> 144,437 AF
Slate Creek Tunnel	800 CFS	178 CFS	389 CFS
South Fork Tunnel	600 CFS	56 CFS	213 CFS
Miners Ranch Canal	303 CFS	59 CFS	262 CFS

MONTHLY NET GENERATION

	FOR March 2007	YEAR TO DATE ON 3-31-07	YEAR TO DATE ON 3-31-06
Woodleaf P.H.	14,251,480 KWH	49,633,790 KWH	111,190,290 KWH
Forbestown P.H.	9,224,930 KWH	31,822,810 KWH	29,420,600 KWH
Kelly Ridge P.H.	5,591,181 KWH	20,376,513 KWH	23,342,506 KWH
Sly Creek P.H.	1,423,500 KWH	4,822,700 KWH	14,325,000 KWH
TOTAL	<hr/> 30,491,091 KWH	<hr/> 106,655,813 KWH	<hr/> 178,278,396 KWH

South Feather Power Project - Forbestown Precipitation

