



## ***SOUTH FEATHER WATER & POWER***

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**TO: Board of Directors**

**FROM: Kathy Petersen, Power Division Manager**

**DATE: March 17, 2005**

**RE: General Information (regarding matters not scheduled on agenda)  
March 22, 2005 Board of Directors Meeting**

### **Operations**

Attached for your information is the Storage and Generation Report for February 2005. Also attached is a chart showing the precipitation accumulated through March 16. Based on the March 1 snow surveys, the Department of Water Resources is currently forecasting that the April-July unimpaired runoff will be 82% of average for the South Fork Feather River, and at 80% of average for the entire Feather River drainage.

PG&E is currently forecasting that we will fill Sly Creek Reservoir, but Little Grass Valley Reservoir may be about 9,000 acre-feet short of full. This below-average winter has not yet allowed us to erase the refill impact account from the 2004 EWA transfer.

### **Maintenance Projects**

#### **Miners Ranch Conduit – Access Platforms**

Many of the access structures our crews use to work on Miners Ranch Conduit have deteriorated from age and exposure, so Jerry Littleton has been systematically replacing and upgrading the old wooden platforms with metal structures. This will provide greater safety for the employees working over and around the conduit.

Sly Creek Powerhouse – 115 kV  
Breaker Replacement and Annual  
Outage

Beginning February 28, we started a four-week outage to replace the existing oil-filled 115 kV circuit breaker (Photo 1) with a new SF-6 gas breaker (Photo 2). A PG&E civil construction crew has done most of the installation and testing, assisted by our electricians. When preparing to make connections, they noted that the top of one of the bushings



showed signs of damage (prior to being sent to us), so the manufacturer has sent a new bushing and technicians to install it. While this work has been going on, the rest of the crew has been completing the annual maintenance tasks in the powerhouse, including inspecting and realigning pole pieces and replacing old piping.

(Photos by John Davis)

**General Information**

Operator in Training Position

PG&E informed us that they would be starting a new Hydroelectric Operator in Training program in mid May, and we have decided to take the opportunity to bring an additional employee on board at this time to start the training process. The position will be awarded on March 21, and the new employee will join the Power Division on April 11.

**SOUTH FEATHER WATER AND POWER  
SOUTH FEATHER POWER PROJECT  
February 2005**

**STORAGE**

RESERVOIR	MAXIMUM CAPACITY	STORAGE ON 2-28-05	STORAGE ON 2-29-04
Little Grass Valley	94,660 AF	48,616 AF	57,103 AF
Sly Creek	65,650 AF	24,889 AF	33,655 AF
Lost Creek	5,750 AF	5,057 AF	4,320 AF
Forbestown Diversion	358 AF	352 AF	280 AF
Ponderosa	4,750 AF	4,200 AF	4,200 AF
Miners Ranch	896 AF	762 AF	735 AF
<b>TOTAL</b>	<b>172,064 AF</b>	<b>83,876 AF</b>	<b>100,293 AF</b>
Slate Creek Tunnel	800 CFS	258 CFS	258 CFS
South Fork Tunnel	600 CFS	120 CFS	107 CFS
Miners Ranch Canal	303 CFS	266 CFS	264 CFS

**MONTHLY NET GENERATION**

	FOR February 2005	YEAR TO DATE ON 2-28-05	YEAR TO DATE ON 2-29-04
Woodleaf P.H.	23,558,120 KWH	39,998,300 KWH	63,316,370 KWH
Forbestown P.H.	15,296,480 KWH	26,490,240 KWH	43,802,300 KWH
Kelly Ridge P.H.	6,349,348 KWH	14,090,093 KWH	15,636,656 KWH
Sly Creek P.H.	2,458,900 KWH	3,778,400 KWH	4,724,500 KWH
<b>TOTAL</b>	<b>47,662,848 KWH</b>	<b>84,357,033 KWH</b>	<b>127,479,826 KWH</b>