



## *SOUTH FEATHER WATER & POWER AGENCY*

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**TO:** Board of Directors

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

**DATE:** November 18, 2009

**RE:** General Information (regarding matters not scheduled on agenda)  
11/24//09 Board of Directors Meeting

### Operations

Attached is the Storage and Generation Report for October 2009. Rainfall to date measured at Forbestown Headquarters is 5.48 inches. PG&E is operating the project in order to draw the storage in Little Grass Valley and Sly Creek reservoirs down to a combined total of 50,000 acre-feet to complete repaying the refill impact account to DWR for the 2008 water transfer.

### Maintenance Projects

#### Sunset Hill Communication Site

Now that the powerhouse outages are complete, the crew has been doing work at some of the other facilities. New HVAC units and a 27 kW standby generator have been installed at the Sunset Hill communication building in order to improve the reliability of the site. Additional microwave upgrades are planned for 2010 and the improvements done now will satisfy the power supply demands for the new equipment. The standby generator that was removed is a 15 kW single-phase unit. If it cannot be used elsewhere in the system it will be surplus, subject to your approval.

#### Power at Little Grass Valley

Another communication-related project is the Little Grass Valley downstream gaging station power improvement project. A solar panel has been placed to extend the life of the batteries at the site, which is difficult for the crew members to access during the winter, especially while carrying deep cycle batteries.

## General Information

### Sly Creek Crest Modification Project – Borrow Site

The proposed borrow site for material for the Sly Creek Dam crest modification project is part of the borrow site that was used for the original dam construction. This is now Soper Company property and Tom Barnard and I have been negotiating for the material and for the site restoration design that Soper Company will require when the job is done. As seen in the photo, the site currently contains decomposed granite and sparse vegetation. On completion of the project the site will be benched; berms, rock-filled swales, and energy dissipaters will be installed to control runoff; and hydroseeding and mulch created from the trees removed will be used to revegetate the site.



### Request for Proposals – Seismic and Geologic Investigations

A Request for Proposals for seismic and geologic investigations at Little Grass Valley and Miners Ranch Dams has been sent to 14 engineering and geotechnical firms and posted on the Agency's website. These investigations were recommended by the independent consultants during the 2007 and 2008 Five-year Safety Inspections and have been budgeted for 2010. Responses are due January 7, 2010.

### Forbestown Yard Break-ins

On November 12 we found that in the early morning hours someone broke into the Forbestown Yard and stole one of the machinists' vehicles. While the vehicle was found nearby a few hours later, the tools had been stripped from the truck. The truck was locked but the passenger side door lock had been punched out and an extra set of keys left in the vehicle was used to drive the vehicle out of the yard. A CDF lock on the lower yard gate was also cut. Another break-in occurred November 17 and the same truck was tampered with, but nothing was taken. We are working with the sheriff and are hardening the security at the yard.

### Miners Ranch Canal Access Road

Per Mike's instructions, a copy of the Miners Ranch Canal access road geotechnical investigation report was sent to the Department of Water Resources. Attached is a copy of the transmittal letter in which DWR was notified that it would be invoiced for reimbursement for the repair costs.



October 29, 2009

Peter Scheele, Oroville Field Division Chief  
Department of Water Resources  
490 Glen Drive  
Oroville, CA 95966

Re: Miners Ranch Conduit Access Road  
Geotechnical Investigation and Conceptual Mitigation Design Alternatives

Dear Mr. Scheele,

South Feather Water and Power Agency (SFWPA) contracted with Cotton, Shires and Associates, Inc. (CSA) for a geotechnical investigation of the "Station 5" section of the Miners Ranch Canal Access Road along the south shore of the South Fork arm of Lake Oroville. A copy of their report "Geotechnical Investigation and Conceptual Mitigation Design Alternatives" is enclosed. They note that wave action during full reservoir conditions at Lake Oroville has eroded a near-vertical scarp into the hillside and has undermined sections of previous repairs to the road.

This section of access road was the subject of a letter to you dated August 28, 2006, in which I noted that the bank below the road had slipped downward, carrying trees to and below the high water line of Lake Oroville. In response, your staff forwarded internal memos dated March 20, 2007 and October 31, 2007 in which various possible repair solutions were discussed. Because insufficient detail was provided in the memos to put the repair job out for bid, SFWPA requested CSA to survey the compromised section of road for development of a mitigation plan. The next phase will be development of plans and specifications for soliciting bids for repairs.

Because the damage to this section of road has been as a result of the operation of Lake Oroville, repair costs will meet the criteria of California Public Utilities Commission Decision 79724 for reimbursement. South Feather Water and Power Agency will be submitting an invoice to DWR for reimbursement of the repair costs when the work has been completed.

Mr. Peter Scheele  
October 29, 2009  
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If you have any questions, I can be reached at (530) 534-1221, ext. 202 or via email at [Kzancanella@southfeather.com](mailto:Kzancanella@southfeather.com).

Sincerely,  
**South Feather Water and Power**

Kathy Zancanella, Power Division Manager

Enclosure: *Geotechnical Investigation and Conceptual Mitigation Design Alternatives Report*

- c. Without enclosure:  
Bill Cochran, Supervising Engineer, DWR  
Michael Glaze, General Manager, SFWPA

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

<b>RESERVOIR</b>	<b>MAXIMUM CAPACITY</b>	<b>STORAGE ON 10-31-09</b>	<b>STORAGE ON 10-31-08</b>
Little Grass Valley	89,804 AF	46,319 AF	38,359 AF
Sly Creek	64,338 AF	32,321 AF	19,739 AF
Lost Creek	5,361 AF	4,508 AF	4,012 AF
Forbestown Diversion	352 AF	305 AF	287 AF
Ponderosa	4,178 AF	3,457 AF	4,073 AF
Miners Ranch	896 AF	762 AF	795 AF
<b>TOTAL</b>	<b>164,929 AF</b>	<b>87,672 AF</b>	<b>67,265 AF</b>
Slate Creek Tunnel	800 CFS	N/A CFS	N/A CFS
South Fork Tunnel	600 CFS	69 CFS	30 CFS
Miners Ranch Canal	303 CFS	250 CFS	51 CFS

**MONTHLY NET GENERATION**

	<b>FOR October 2009</b>	<b>YEAR TO DATE ON 10-31-09</b>	<b>YEAR TO DATE ON 10-31-08</b>
Woodleaf P.H.	16,271,620 KWH	183,300,280 KWH	158,114,810 KWH
Forbestown P.H.	8,676,940 KWH	108,550,250 KWH	92,003,300 KWH
Kelly Ridge P.H.	4,827,074 KWH	58,863,982 KWH	59,382,007 KWH
Sly Creek P.H.	2,240,900 KWH	27,377,000 KWH	19,401,600 KWH
<b>TOTAL</b>	<b>32,016,534 KWH</b>	<b>378,091,512 KWH</b>	<b>328,901,717 KWH</b>