



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Kathy Zancanella, Power Division Manager

DATE: May 19, 2010

RE: General Information (regarding matters not scheduled on agenda)
5/25/10 Board of Directors Meeting

Operations

Attached is the Storage and Generation Report for April 2010. Also attached is a chart showing precipitation as of May 18, 2010. The weekly storm events throughout April and May have brought rainfall totals close to the 85-year average. The DWR Bulletin 120 now indicates that the April-July runoff forecast is 105% of average.

The spring rains caused Sly Creek Reservoir to start spilling May 1, resulting in spill downstream at Lost Creek, Forbestown and Ponderosa dams. Closure of the spill gates at Sly Creek and Ponderosa and installation of the flashboards at Lost Creek was delayed until the peak of the runoff passes. The Sly Creek spill gate was closed on May 18 and the flashboards at Lost Creek will be installed on May 21. Little Grass Valley has been filling steadily and will be held full this summer to accommodate the work at Sly Creek Dam. On May 18, the release from Little Grass Valley was increased to 100 cfs.

The spill conditions allowed the Agency to meet its obligation to provide a "flushing flow" at Lost Creek Dam for the second year in a row. The FERC license specifies that a flow of between 390 and 740 cfs be released for 24 hours at least every four years.

Maintenance Projects

Forbestown Dam Safety Ladder

Electrical machinist Jerry Littleton fabricated a ladder and steps to more safely access the toe of Forbestown Diversion Dam, and the crew helped him install the access system during the week of May 10. This eliminates the risks of slipping on loose rock while trying to walk down to the toe of the dam.



Sly Creek Intake Inspection

On May 11, Hibbard Inshore, an underwater inspection and construction firm, conducted a remotely operated vehicle (ROV) inspection of the deep water intake to Sly Creek Powerhouse. Because the intake is located 200 feet below the maximum water surface of Sly Creek Reservoir, it has not been inspected since the construction of Sly Creek Powerhouse in 1982-1983. John Davis watched the ROV cameras over the shoulder of the ROV operator and directed the inspection, which was captured on DVD. He was pleased to see that the concrete and steel of the intake and its trashrack were in good condition with very little debris accumulated on the structure. Silt has accumulated at the base of the structure and the original river outlet valves used during construction of the dam are about half covered in sediment.

Sly Creek Dam Crest Modification Project

The California State Division of Safety of Dams issued a permit approving the alterations to Sly Creek Dam on May 11. It is now up to FERC and the Forest Service to issue the necessary approvals to move ahead, and Forest Service staff seem to continue to come up with reasons to delay the project, all of which have to do with satisfying paperwork requirements that could and should have been made known to us months ago. Assuming things can be expedited, construction could start the week of May 24, although the following week is the more likely start date. Soper Wheeler has already logged the borrow site.

Forbestown Powerhouse Turbine Shutoff Valve

Electrical machinist Henry Reeson was sent to the Adams Armaturen factory in Herne, Germany this month where he witnessed the acceptance testing of the turbine shutoff valve that has been built for Forbestown Powerhouse. Henry reported that the factory was impressive in its size, the equipment used to custom-build valves, and the efficiency with which the work was carried out. The valve passed the tests and will



Valve with flanges installed for testing.



be shipped to the United States in the near future, probably arriving in Texas in July. An outage to install the valve will be conducted early in 2011.

Henry was able to take in a few of the sights and interact with the locals.

General Information

PG&E Contract

A few more steps have been completed in the process of moving to the new PG&E contract. PG&E finally sent the Interconnection Agreements to the California ISO for review and the ISO quickly turned those around to SFWPA for execution. Following acceptance of the Interconnection Agreements, the ISO began working with Agency staff to develop the Participating Generator and Meter Service Agreements. They have been supplied with copies of electrical schematics, device lists and relay settings.

Setting up the WREGIS certificates for renewable energy credits for Sly Creek and Kelly Ridge did not go so smoothly. After being notified that SFWPA's applications could not be processed because PG&E had not yet transferred the certificates to the Agency (and is apparently too busy to handle this at the present time), it was determined that this particular contract requirement will not be completed until October. It should not affect payments that PG&E will make to South Feather for the energy from these powerhouses.

Woodleaf Switchyard Intruders

On the evening of May 14 at about 9:30 pm, two intruders entered the Woodleaf Powerhouse switchyard, although they did no apparent damage. Their images were captured on our surveillance cameras and the information was turned over to the Butte County Sheriff.

**SOUTH FEATHER WATER AND POWER
SOUTH FEATHER POWER PROJECT
April 2010
STORAGE**

RESERVOIR	MAXIMUM CAPACITY	STORAGE ON 4-30-10	STORAGE ON 4-30-09
Little Grass Valley	89,804 AF	63,572 AF	76,057 AF
Sly Creek	64,338 AF	55,839 AF	53,722 AF
Lost Creek	5,361 AF	4,710 AF	4,451 AF
Forbestown Diversion	352 AF	303 AF	299 AF
Ponderosa	4,178 AF	3,656 AF	3,633 AF
Miners Ranch	896 AF	661 AF	734 AF
TOTAL	164,929 AF	128,741 AF	138,896 AF
Slate Creek Tunnel	800 CFS	426 CFS	196 CFS
South Fork Tunnel	600 CFS	187 CFS	57 CFS
Miners Ranch Canal	303 CFS	264 CFS	241 CFS

MONTHLY NET GENERATION

	FOR 41/2010	YEAR TO DATE ON 4-30-10	YEAR TO DATE ON 4-30-09
Woodleaf P.H.	31,802,420 KWH	69,607,860 KWH	71,703,440 KWH
Forbestown P.H.	21,476,150 KWH	46,791,360 KWH	44,040,920 KWH
Kelly Ridge P.H.	7,247,755 KWH	24,475,750 KWH	22,804,577 KWH
Sly Creek P.H.	4,339,200 KWH	8,331,200 KWH	9,158,500 KWH
TOTAL	64,865,525 KWH	149,206,170 KWH	147,707,437 KWH

South Feather Power Project - Forbestown Precipitation

