



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Matt Colwell, Water Division Manager

DATE: May 16, 2008

RE: General Information (regarding matters not scheduled on agenda)
5/2708 Board of Directors Meeting

Distribution Operations

Water Division staff have been accomplishing water system maintenance and normal operations tasks. Ongoing projects include irrigation and domestic distribution system betterments, new service installations, and leak repairs.

The 2008 irrigation season started on May 5 and it was not without special problems. The first identified problem was excessive seepage from the Oroville Lateral (Bangor Canal) near Skyline Boulevard that was impacting a residence. Management and staff monitored and evaluated the seepage and the resident's claim that excessive leakage has been impacting the residence for many years. The evaluation identified seepage and excessive landscape irrigation (30,000 cubic feet) to be likely contributors to the problem. The decision was made to embark on a significant canal-lining project in coordination with landowner irrigation awareness to help solve the problem. The project included approximately 700 feet of ditch re-shaping which entailed the demolition of an old stacked rock wall and 1942 WPA lining sections. The photo at right shows the shotcrete project that was completed with minimal interruption to irrigation customers.





The second major problem identified was on the Forbestown Canal below the community of Forbestown. The ditch tenders noticed that water was not showing up downstream and then ventured upstream to find a very obvious leak. In fact, the entire flow of approximately 6 cfs was disappearing in a very large hole in the bottom and edge of the ditch. The photo at left, below, shows the extent of the hole. The water continued to flow underground for approximately 40 feet before it surfaced. Crews expeditiously bulldozed access to the location and pushed tons of rock into the hole, trying to reshape the section of the canal. The decision was

made to span the obviously porous section of the canal with water tight corrugated HDPE pipe and the construction of stacked concrete headwall. Once again the project was completed in a timely manner with minimal impact to irrigation customers. It is already apparent that this year will be a difficult irrigation season due to dry conditions that have increased canal seepage losses.



Water Treatment Operations

Miners Ranch Water Treatment Plant operators have shifted operations to Inline Treatment and bypassing the "Full Treatment" process to meet seasonally dry condition demands. The April MRTTP production to meet demand was 132% of the recent average reflecting the lack of precipitation and dry conditions.

Miners Ranch April 2008	
Total	152.9 Million Gallons
High	7.0 MGD
Low	3.6 MGD
Avg.	5.1 MGD
Bangor	
Total	0.3 Million Gallons
High	0.03 MGD
Low	0.00MGD