



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

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**TO:** Board of Directors

**FROM:** Matt Colwell, Water Division Manager

**DATE:** March 20, 2008

**RE:** General Information (regarding matters not scheduled on agenda)  
3/25/08 Board of Directors Meeting

### **Distribution Operations**

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

Steve Wong and I observed the field crews placing water line expanding the distribution system near the Kelly Ridge Million Gallon Tank (MGT). The picture at right shows the pipeline installation. Also identified is the white PVC casing protection a fiber optic communication and cable TV line. Comcast failed to locate the line and as a result the cable line was severed. Fortunately for Comcast the fiber optic line was not severed because it is a 3 mile run that would have had to be replaced.



The photo at left shows one of two mainline breaks that occurred adjacent to each other in the Kelly Ridge area. The distribution operations were modified to accommodate the MGT cleaning, inspection and repair project. There appeared to be no significant pressure fluctuations that caused the breaks but is quite suspect considering the proximity of the breaks and the MGT project. The crews were once again diligent and expeditious in the repairs causing minimal service interruptions to customers.

## Water Treatment Operations

The photograph at right was taken by Art Martinez during the MGT cleaning, inspection and repair project. The project included modifying the distribution system operations to isolate and drain the MGT, clean and inspect the interior of the tank and then repair and re-seal any corrosion that was identified. Over the approximately 38-year life span of the MGT, nearly 400 small



corrosion repairs have been completed and approximately 60 repairs were completed in 2008. Coloration is primarily due to some oxidation and some fine sedimentation that has occurred over the years. Overall the tank appears to be in satisfactory condition with no immediate structural or operational concerns.

In February the 5<sup>th</sup> grade class from Chico Country Day School visited the MRTP. The students (and parents) were presented with a hands-on experience that identified where local water supplies originate and how it is delivered to the tap. Approximately 52 students, nine parents, and two teachers (including Mrs. Colwell) were shuttled in three groups throughout the MRTP.



The operators presented professional information and received many compliments on the overall presentations.



M RTP monthly treated water production for February was near average.

Miners Ranch February 2008	
Total	69.1 Million Gallons
High	2.8 MGD
Low	2.0 MGD
Avg.	2.4 MGD
Bangor	
Total	0.2 Million Gallons
High	0.03 MGD
Low	0.00MGD

**Solar Plant Production**

The graph below provides a perspective of energy consumption compared to total water production at MRTP.

