



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Matt Colwell, Water Division Manager

DATE: May 19, 2010

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

Water Distribution Operations

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

Crews completed the Community Line pipeline-replacement project, which eliminated approximately 500 feet of significantly decayed four-inch steel irrigation line. The line had multiple band-to-band sections that continued to leak. The ground saturation and continued operation of the Community Line created access issues. However, temporary mitigation measures for approximately two weeks facilitated project completion.

A leak on Highlands Terrace, resulting from the failure of the Canyon Highlands regulator, identified a section of old galvanized water line routed through highly landscaped and developed back-yards. Six residences were served off this substandard and vulnerable two-inch line. The line is now abandoned and the water services are fed from 400 feet of 6" C900 PVC routed through Highlands Terrace right-of-way. Staff will be focusing on replacing the few remaining substandard water lines in an effort to limit our liability and maintain a high level of customer service.

The new hydrography program is off to a good start. The Agency's commitment to implementing a modern and updated water operations data collection system utilizing new sensors, satellite radios, hardware, and software, has created a steep learning curve. Eddie Paul, the new Hydrographer, has been actively pursuing the required field training wherever it can be found. Nevada Irrigation District, and specifically Jessica Erickson, NID's hydrographer, has cooperatively provided observation and training opportunities based on their very similar program. Eddie, Brian Howerton, and Art Martinez have been instrumental in moving this program to the implementation stages.

The 2010 Irrigation season is beginning nicely.

Forbestown Ditch	SF 14 = 8cfs
	NYWD = 2 cfs
	SFWPA = 6 cfs
Bangor Canal	SF 25 = 8 cfs
Palermo Canal	= 5 cfs

Water Treatment Operations

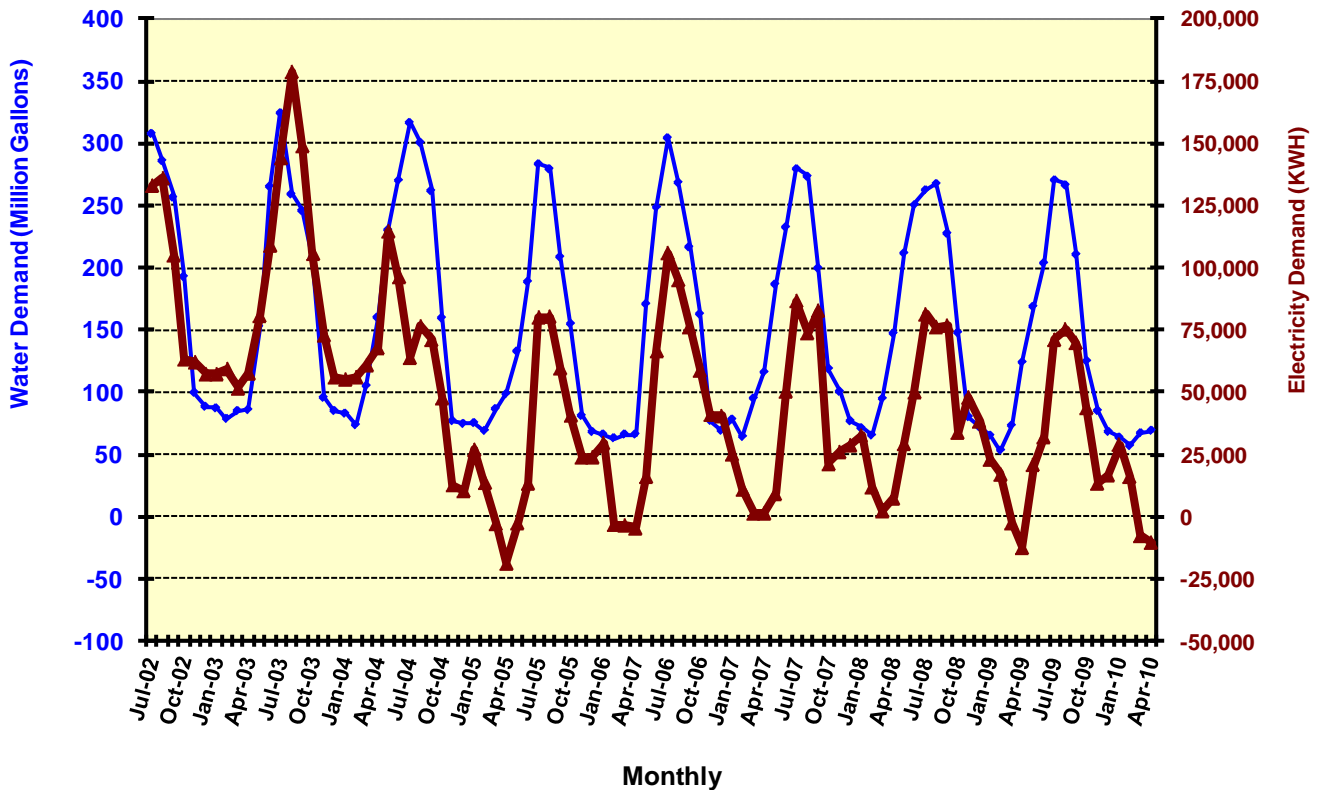
The Miners Ranch water treatment plant volumes for 2010 continue to run below average as a result of wetter-than-normal precipitation. The cumulative January-through-April volume is at 79% of the recent five-year average and is the lowest of record (since 1981). The April monthly volume is at 62% percent of the recent five-year average. The table at right and the chart at the end of this report show a more historical perspective.

Miners Ranch Production		April 2010	
Total		73.1 Million Gallons	
High		3.3 MGD	
Low		2.1 MGD	
Avg.		2.4 MGD	

Solar Plant Production

The monthly MRTP power consumption was less than the solar power production by 10,200 KWH during the month of April. The graph below provides a historical perspective of energy consumption compared to water production.

**Miners Ranch Water Treatment Plant
Monthly Water Production VS: KWH Purchased**



MRTP Total Annual Water Production

