



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors
FROM: Matt Colwell, Water Division Manager
DATE: May 21, 2009
RE: General Information (regarding matters not scheduled on agenda)
 5/26/09 Board of Directors Meeting

Water 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.

Distribution crews have spent a couple of weeks relocating domestic water mainline, services, and valves in a cooperative effort on a Butte County Safe Route to Schools Project along Lower Wyandotte and Monte Vista roads. The project will provide curb, gutter and sidewalk in the vicinity of Helen Wilcox Elementary School. The installation of a 48" concrete arch drainage pipeline creates the most conflict with existing utilities.

The Irrigation system current releases are:

Forbestown Ditch	SF 14 = 11 cfs
	SFWPA = 8 cfs
	NYWD = 3 cfs
Bangor Canal	SF 25 = 11 cfs
Palermo Canal	= 12cfs

Water Treatment Operations

All bacteriological requirements were met for the Miners Ranch Treatment Plant, Bangor Treatment Plant, Sly Creek Campground and Strawberry Campground.

The Agency's MRTP second quarter lab results for disinfection by-products are well below the California Department of Public Health Maximum Contaminant Level (MCL).

Total Trihalomethanes (TTHMs)	MCL = 80 ppm	MRTP = 19 ppm	By-product of drinking water chlorination	Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer.
Haloacetic Acids (HAAs)	MCL = 60 ppm	MRTP = 19 ppm	By-product of drinking water disinfection	Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

The 2009 cumulative MRTP water production through April is approximately 95% of the recent 5 year average. Please reference the table at right and the chart at the end of this report for a historical perspective.

Miners Ranch Production	
April 2009	
Total	129.0 Million Gallons
High	6.0 MGD
Low	2.8 MGD
Avg.	4.3 MGD

Solar Plant Production

The monthly solar power production exceeded consumption by 12,300 KWH which will be credited to our annual demand account with PG&E. There is enough data to indicate that the spring months provide the opportunity to produce power exceeding the MRTP power demands. The graph below provides a historical perspective of energy consumption compared to water production. The plot also shows that Agency's maximum and minimum monthly demand (water use) continues to decline even in the drought years.

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

