



SOUTH FEATHER WATER & POWER

TO: Board of Directors

FROM: Matt Colwell, Water Division Manager

DATE: January 24, 2006

RE: General Information (regarding matters not scheduled on agenda)
1/24/06 Board of Directors Meeting

Distribution Operations

Water Division staff have been accomplishing water distribution system maintenance and betterment projects including new office construction, service installations, leak repairs, and irrigation and domestic distribution system betterments.

Intermittently through the holiday period and work-restrictive weather conditions, staff has assisted Power Division at Woodleaf Powerhouse and Miners Ranch Canal.

New fire hydrants and 12-inch water service lateral including 10-inch backflow and 4-inch metered service were installed at the new 85-room Feather Falls Hotel.

Water Division staff was called to respond to storm related activity during the New Year flood event. MRTP went into 24-hour operation in anticipation of the high turbidity in MR Canal and Reservoir. The picture at right shows the excessive turbidity of the raw water



supply. All Treated water standards were met.

Irrigation and Domestic crews responded to frequent callouts for high water throughout the district, most we could do nothing about. Ditch tenders were all checking the system, cleaning debris from spills and modifying operations. Multiple downed trees and canal bank repairs were performed as depicted at left.

On December 27th a leak-repair

crew was dispatched to assist YCWD to fix an emergency repair on an 8-inch mainline in Brownsville.

Standard Meter Installation: As part of our 2006 updated Automatic Meter Read Program (AMR), I am recommending the installation of AMRs for all new services. Currently, a new meter installation with manual-read register costs \$85, and Radio-Read Meters (AMR) required for developments of five or more parcels cost \$240 each. To actively install AMRs on new services will facilitate the migration to a more efficient method of meter reading. The anticipated benefits include fewer errors from transposing meter readings, maintaining the current meter reader work force as new services increase, and increased safety and health benefits resulting from less in-and-out of agency vehicles. I have not identified any policy that precludes us from installing AMRs for new services for less than 5 units. So, unless directed otherwise by the Board, I will continue to recommend AMRs for all new meter installations.

New Services and Leaks: In the month of December, seven new meters and backflow devices were installed. Three service-line leaks were repaired (no mainline leaks).

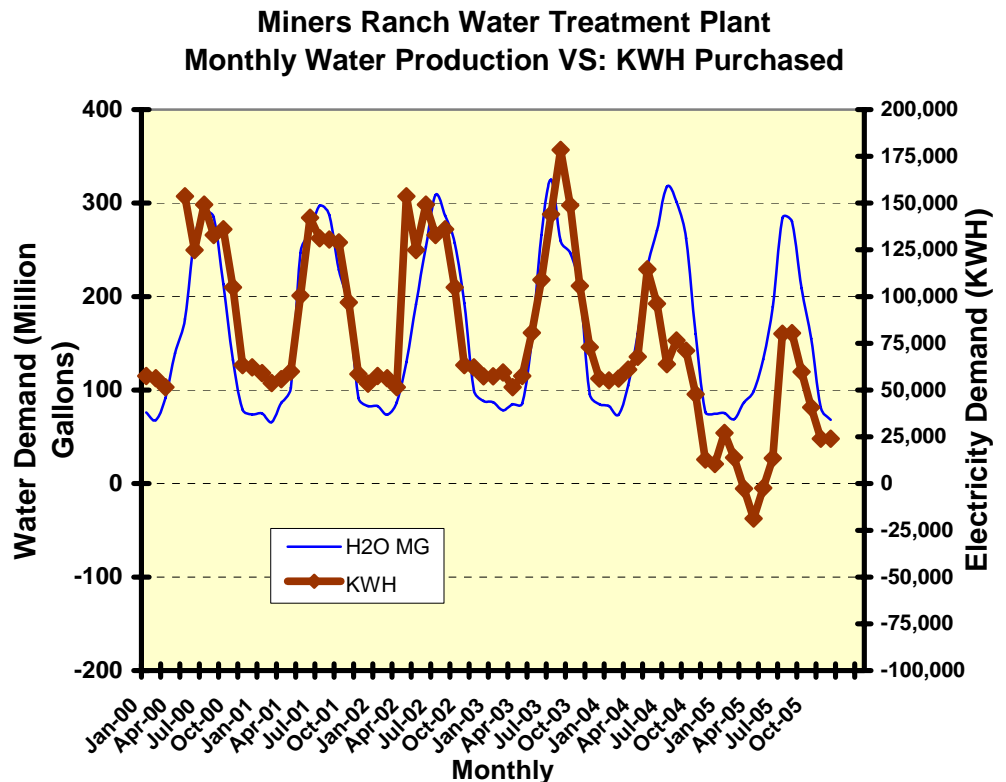
Water Treatment Operations

Water Plant Production: the MRTTP production (system demand) for December is slightly below average for the recent 5-year period. The 2005 cumulative production through December is 90% of average. Please reference the attached water-production graphs for a historical perspective on 2005's treated water demand.

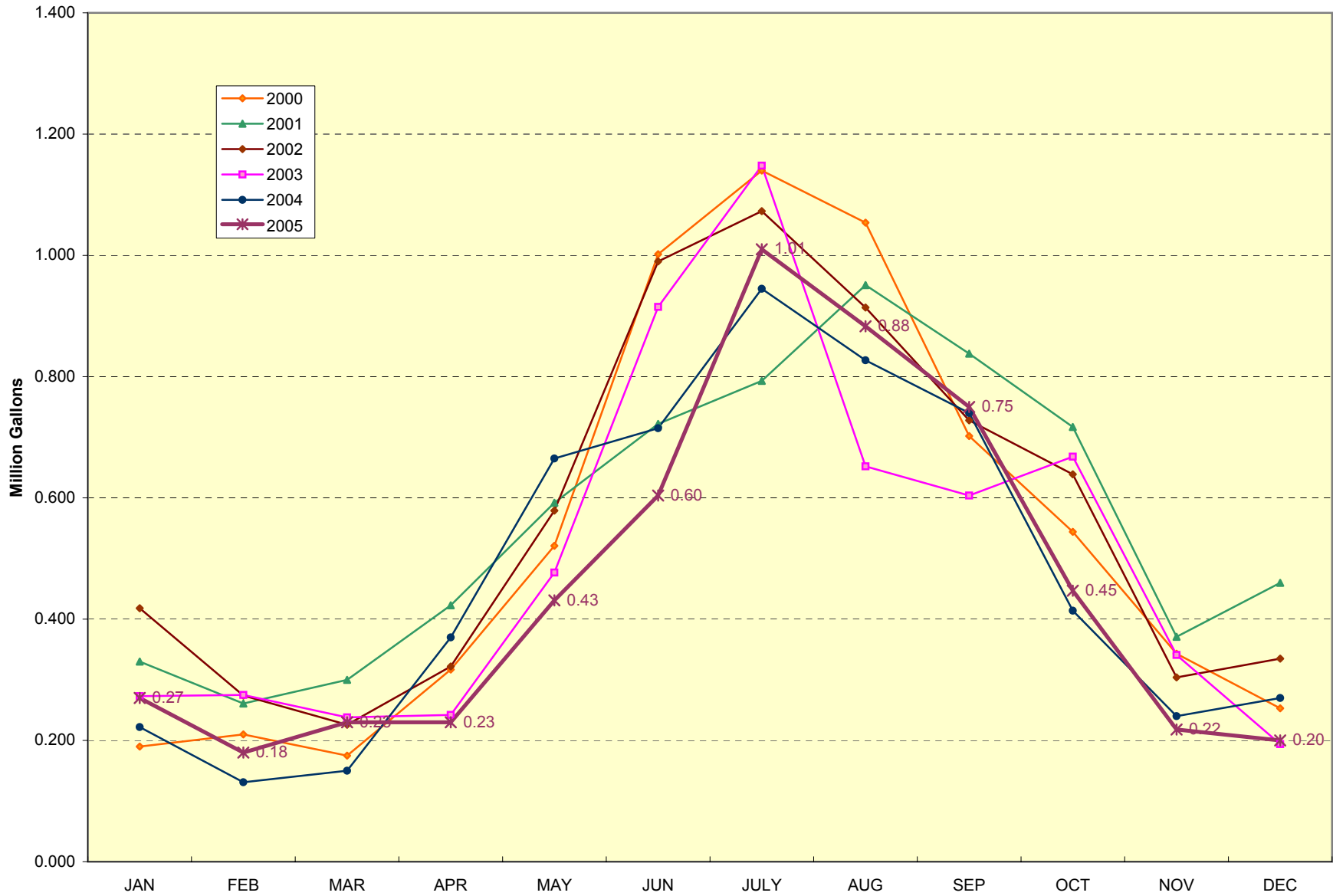
Bacteriological requirements were met for the Miners Ranch Treatment Plant and Bangor Treatment Plant.

Miners Ranch October 2005	
Total	71.0 Million Gallons
High	2.5 MGD
Low	1.5 MGD
Avg.	2.3 MGD
Bangor	
Total	0.20 Million Gallons
High	0.03 MGD
Low	0.00 MGD
Avg.	0.02 MGD

Solar Plant Production: The graph below provides a perspective of historical energy consumption compared to water production. Please note that the December MRTTP energy demand has exceeded the solar plant production by 24,000 KWH.



BANGOR TREATMENT PLANT WATER PRODUCTION



M RTP WATER PRODUCTION

