



SOUTH FEATHER WATER & POWER AGENCY

TO: Board of Directors

FROM: Matt Colwell, Water Division Manager

DATE: April 17, 2008

RE: General Information (regarding matters not scheduled on agenda)
4/22/08 Board of Directors Meeting

Irrigation System Investigation

At the March meeting the Board heard concerns from members of the public (Mr. and Mrs. Prater and Nancy Luer) regarding water operations and irrigation-water availability on the Lower Forbestown/Miller Hill Ditch system. At the direction of General Manager and the Board, I was tasked with investigating the issues presented. At your regular monthly meeting next week I will report on specific information obtained and provide a visual explanation of the irrigation system and operations in the area. The concluding results are that Mr. and Mrs. Prater have been contacted and their concerns have been addressed. In the case of Nancy Luer, her water application has been approved and water service is being provided.

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.

Water distribution crews have completed the initial phase of water system improvements for the Ridge View development occurring to the south of the office. The water mainline extension along Oro-Quincy Highway began immediately in front of the office and ran from the existing mainline east, approximately 460 feet to the point where the new Gilmore Lane will intersect with Oro-Quincy Highway. The photo at right depicts Jeff Fridrich and Rick Broderson setting a new 8" valve where the mainline extension began. The work provided a convenient opportunity for office staff to observe field crews performing routine water distribution system modifications and enhancements. The photo below depicts the hot-tap of the existing mainline and the opportunistic office staff (Steve Wong, Cheri Ruloph, Art Martinez) as witnesses.

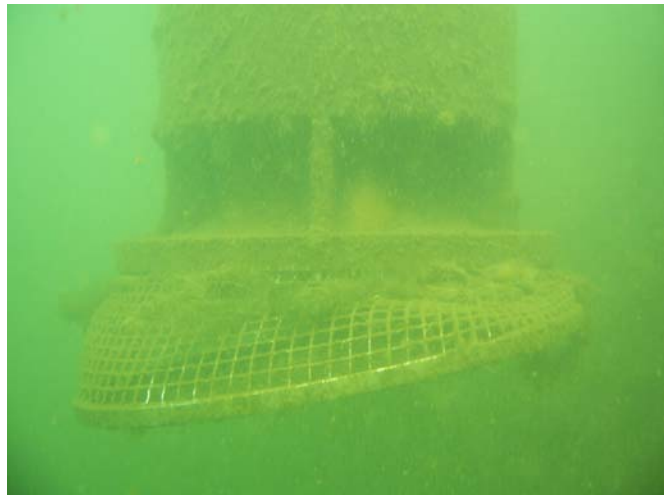




Phase II of the mainline extension project will commence when the new Gilmore Lane sub-grade excavation is achieved. The total project cost for the mainline extension is estimated to cost the developer approximately \$125,000.

Water Treatment Operations

Jim Coffelt took advantage of an opportunity provided by Big Valley Divers under contract with Power Division for some "free" work. The divers inspected the raw-water pump intake structure including pump screens and the pump platform footings. The inspection showed pump intake screens (approx 20" diameter) in variable conditions and made from either galvanized or stainless steel material. The galvanized screens (2 photographs below) are severely corroded and are being replaced with stainless steel screens manufactured in house. The stainless steel screen depicted at right is



slightly damaged but functional and is not corroded so will remain in service. I would like to thank Power Division for the opportunity to piggy back this work on their existing work at no cost to Water Division.

Treatment and distribution personnel have completed the cleaning, inspection and repair of the top liner cover at the ID2 treated water storage site (Oro-Garden Ranch Road). The hypolon cover is 28-years old and has exceeded its estimated life expectancy. Five patch repairs were completed. The overall condition is functionally good with signs of weather damage. The image at right shows the cover and stained drainage folds.



Miners Ranch Water Treatment Plant production for March was approximately 116% of average. This is expected considering the lack of precipitation that occurred.

Miners Ranch		March 2008	
Total		98.5 Million Gallons	
High		4.1 MGD	
Low		2.2 MGD	
Avg.		3.2 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.

