



Carmichael Water District – Master Plan 2013

The Water Master Plan has begun as part of a two year process to explore the long term asset management and resource issues for the District. This is the first of three elements. The program elements also include a Business Plan to address strategies and costs of implementing the draft Master Plan recommendations followed by a Rate Study to put rates in place to support the District plan. The Master Plan is proceeding with investigations and evaluations and the draft report is targeted for May 2014.

This is the first update of the District's 2003 Master Plan for a sustainable infrastructure that evaluated all major assets of the District and their replacement cost based on a 100 year renewal period. The 2013 Master Planning effort will renew and update the following:

- Recommended pipeline Planned System Maintenance projects with specific 5-year and 10-year project descriptions to address the oldest pipes in the District.
- Updated 50-year projection for pipeline replacement during which over 30% of all remaining District buried pipes may need replacement.
- Evaluate Bajamont Water Treatment Plant equipment and facility renewal schedules and costs developing recommendations for 5, 10 and 25 years.
- Exploring opportunities for increased treated water sales outside the District boundaries to generate additional revenues benefiting the District rate payers.
- Investigate critical issues such as strategic water supply planning, Aerojet groundwater contamination risk mitigation strategies, energy conservation planning and emergency preparation planning.



Subsequent phases of the work will include use of the draft Master Plan findings and recommendations to develop implementation strategies through a Business Plan and ultimately preparation of a Rate Study to financially support District activities. This work is being conducted by the consulting team of Kennedy/Jenks Consultants, Tully & Young, Inc. and the Reed Group.

Community Outreach Events

Come out and meet with Carmichael Water District as staff participates in the following events:

Founders Day

Saturday, September 28, 2013

10:00 am to 3:00 pm
Carmichael Park
5750 Grant Avenue, Carmichael



Nature Fest 2013

Sunday, October 6, 2013

10:00 am to 4:00 pm
Ancil Hoffman Park
6700 Tarshes Drive, Carmichael

Improving Our Water System

Carmichael Water District systematically replaces and upgrades the underground water infrastructure to proactively reduce the frequency of main breaks, improve fire protection, and ensure system reliability. Some of our recent and current projects include:



Dotty Street Water Main Extension The Dotty Street Water Main Extension Project included construction of approximately 570 linear feet of new 8 inch diameter water main, relocation of water services, and the installation of a new fire hydrant. The project has improved the previously existing water service conditions and fire protection on Dotty Street.

Rustic Woods Complex Pipeline Installation The Rustic Woods Complex Pipeline Installation and Service Relocation Project includes construction of approximately 880 linear feet of pipeline within the Rustic Woods Condominiums. The new pipeline will replace older water mains and service lines that are difficult to maintain and prone to leak. The District has chosen a trenchless

method of pipeline installation to lessen the construction impacts on customers and the complexes established landscape.

Ask Darren

As the Conservation Specialist for CWD, I am asked a variety of questions from customers that I meet every day. I would like to share a question with you that has been asked by some customers of the District.

Question: Why is my water bill so much higher this year than it was last year at the same time?

Answer: Included with each bimonthly statement that is sent to the District's customers is a bar graph that compares this year's water usage with last year's. When customers began to receive the March statement, which represents the water used during January and February, many were alarmed by the difference in water usage between 2012 and 2013. This trend has continued in the spring and summer billing cycle as well.

In most cases the difference in usage is due to the difference in weather this year compared to last year. We are experiencing an extremely dry year thus far. The rainfall from January to April 2013 is roughly one third of the totals from the previous year during the same months. Based on data collected at the Sacramento Airport, the

2013 totals for the first four months of the year equaled 3.38 inches compared to 9.83 inches for 2012.

What this means for the customers of the District is that their landscaping required supplemental watering much earlier this year than last year. During most years the watering season starts in April or May. This year watering was necessary as early as February. As a result, many of the customers in the District have been experiencing higher water usage in 2013.

Keep in mind that there could be other reasons for a spike in your water usage such as leaks in your plumbing or irrigation system. If you are concerned about leaks or have any questions regarding water conservation, please contact us at (916) 483-2452.

