

Pinery Pipeline

*Pinery Water & Wastewater District -
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*July-August 2006
Colorado 80134*

Water Production for 2006

We experienced an unusually hot and dry spring and early summer. As a result of this hot and dry weather we experienced record high water demand in May and June. This demand was similar to what we would expect to see in July and August. Our water rights and our water system are designed to meet our summer demand. However, with what we experience in May and June it looks like we may be having "two summers" worth of watering this year. Because of this, the Board of Directors of the District decided to implement a voluntary 3-day per week watering schedule. This 3-day per week schedule should allow plenty of time to water and maintain landscaping, but reduce the overall demand on our water system. The voluntary watering restrictions coupled with some cooler weather and a few rain storms have reduced the demand for water. Thanks for your efforts at conservation.

We are continuing to develop and expand our water resources. The remainder of this newsletter is devoted to a discussion of an acquisition that we made last fall of additional water rights, our existing water rights and the joint efforts we have undertaken with other water providers working on long-term water supply issues.

CHERRY CREEK PROJECT WATER AUTHORITY

In continuing to plan for future water needs, the Pinery Water & Wastewater District joined the Cottonwood Water District, Arapahoe Water & Wastewater Authority and Inverness Water District in November of 2005 to create the "Cherry Creek Project Water Authority" (CCPWA). Immediately thereafter, the CCPWA closed a deal in purchasing the Colorado assets from



California based Western Water Company including:

Over 300 acres of land located in Douglas County

Nearly 4,000 acre feet of storage capacity potential, including the Walker storage facility located west of Franktown along Cherry Creek.

Both surface and ground water rights

Water wells including 13 alluvial wells, a Lower-Dawson well, and an Arapahoe well.

The CCPWA is currently in the process of developing a 2006 Master Plan, which includes an evaluation of all the members' water rights and systems.

Cooperation and efficiency are the main goals of the CCPWA, working to maximize the Cherry Creek and Denver Basin



Arapahoe Well

Aquifer systems. The coordinated use of surface and ground water resources and facilities will create a larger, more reliable, and cost effective water supply than could be generated from either source by itself.

The proximity of the wells, storage and water supply complements the District's current water system. Although it will be years before this new asset is developed to its potential, we are excited about the possibilities these resources bring to our future.



The Walker Storage Facility (near Franktown)

Water Rights

The majority of the water we provide (around 75%) comes from shallow wells along Cherry Creek. These wells are around 70 feet deep and withdraw water from an aquifer along the creek. From the surface, Cherry Creek doesn't look like much, but the alluvial aquifer is about a quarter of a mile wide and around 70 feet deep. This aquifer is recharged by snow and rain so this is a renewable supply of water. The water rights that the District owns date back to the 1870's and have produced well for us during the recent drought.

The Pinery also owns a significant amount of water rights in the Denver Basin aquifer. This water is in the deep Denver Basin aquifers, and it is a non-renewable water supply. The District's rights in this aquifer will provide water for many years to come, but development of this water supply is expensive. For example, the cost to drill and equip a well into the Arapahoe formation of the Denver Basin exceeds \$1,000,000. These wells are typically around 2000 feet deep and the cost to pump water from that depth is also expensive.

South Metro Water Supply Authority

The Pinery has been a member of the South Metro Water Supply Authority since it was formed. This organization has gone through a couple of transformations, the most recent change was early this year. The Parker Water & Sanitation District was added as a member and the governance of

the Authority was revised to streamline decision making and provide more focus. The organization is made up of 12 water providers in Douglas and Arapahoe Counties:

- Arapahoe County Water and Wastewater Authority
- Castle Pines North Metropolitan District
- Centennial Water and Sanitation District (serving Highlands Ranch)
- Cottonwood Water & Sanitation District
- East Cherry Creek Valley Water and Sanitation District
- Inverness Water & Sanitation District
- Meridian Metropolitan District
- Parker Water & Sanitation District
- Roxborough Park Metropolitan District
- Stonegate Village Metropolitan District
- Town of Castle Rock
- Pinery Water & Wastewater District

The Authority and its members are working together to develop major new and ongoing water projects to serve county residents. The Authority is a participant in the expansion of Chatfield Reservoir for water storage and in obtaining water rights on the South Platte River. Authority members have partnered in several projects including Reuter-Hess Reservoir, the pipeline along E-470, and a pipeline from Barr Lake to E-470 and Smoky Hill Road, and the formation of the Cherry Creek Project Water Authority.

2006 VOLUNTARY WATERING SCHEDULE						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
EVEN Numbered Addresses	ODD Numbered Addresses	EVEN Numbered Addresses	ODD Numbered Addresses	EVEN Numbered Addresses	NO Watering	ODD Numbered Addresses
<p>* No watering between 10:00am & 6:00pm * Hand watering allowed anytime</p>						