



*clear***WATER***solutions*
water rights • planning • engineering

MEMORANDUM

CWS File #10-130

To: Deborah Burrell, CWCB
From: Kim Frick
cc: Bill Efting, City of Dacono City Manager
Date: February 28, 2011
Subject: 50% Progress Report for City of Dacono Water Conservation Plan

Clear Water Solutions (CWS) is working with the City of Dacono to complete a Water Conservation Plan in accordance with State regulations following the Guidance Document produced by the Colorado Water Conservation Board (CWCB). The Guidance Document outlines nine steps in the water conservation planning process. To date, the City has completed Steps 1-5 through the identification of the water conservation measures.

Dacono delivered 483 ac-ft of water in 2010 to a population of approximately 4,255 residents for a system wide gallon per capita of 104. The City's potable water supply consists of units of Colorado Big Thompson delivered from Central Weld County Water District (CWCWD). The City's distribution system begins once it leaves the seven master meter locations owned by CWCWD.

Dacono has four main customer categories: residential, commercial, city and hydrants. The residential and commercial categories are billable through the City's water rate structure which has a tiered gallon usage. Capital improvement fees are charged to each customer monthly. Water tap fees pass on the cost from CWCWD in addition to cost from the City.

To date the City has not been able to implement many water conservation measures or programs and is looking forward to doing so. The existing programs and measures include:

- billing software which can query into customer categories,
- billing statements that show the previous year consumption to the water user,
- on-going leak detection and repair,
- meter testing and replacement program,
- temporary voluntary water restrictions, and
- public education through their website.

During discussions with staff regarding their water conservation goals, they expressed a strong desire to reduce outdoor irrigation demands as this encompasses some of their

Dacono Water Conservation Plan
50% progress report
February 28, 2011

largest water users. They are also interested in developing regulations for new construction to get it right from the start, as they will experience significant growth with their expected build-out.

The City selected their water conservation measures and programs based on financial feasibility as well as having limited staff availability to perform some of the measures. During the first screening phase, Dacono selected 30 of the 50 measures from the universal list developed by CWS. The next step includes performing a cost-benefit analysis on the selected measures for further evaluation by the City.