

Carson Water Subconservancy District Presentation
(Prepared by CWSD staff)

TITLE: Presentation on the Regional Floodplain Management Plan/Activities and the Stewardship Plan

DISCUSSION: In 2008, Carson Water Subconservancy District (CWSD) and the five counties located along the Carson River (Alpine, Douglas, Carson City, Lyon, and Churchill) adopted the Regional Floodplain Management Plan (RFMP). The goal of the RFMP was to identify activities and projects that could reduce future flood damage to the watershed and the residents. Since 2008, CWSD, various counties in the watershed, State and Federal agencies, and members of the Carson River Coalition have been working on several flood awareness and protection projects. Some of these projects include the signing of the Risk MAP Charter, completing the Risk MAP Discovery Process, remapping of the Carson River Floodplain from Alpine County to Lahontan Reservoir, and protecting our open/undeveloped floodplain.

The original 2008 RFMP is available on the CWSD website at http://www.cwsd.org/newcms/admin/Uploads/Finalfloodplainplan9_08.pdf, and the revised supplemental update 2013 is available at: <http://cwsd.org/newcms/admin/Uploads/Final%20Floodplain%20Management%20Plan%20Update%202013%202012-02-2013.pdf> with the associated appendices at: <http://www.cwsd.org/newcms/Admin/Uploads/AppG-KDraftFPMGTPlanRevision201387.pdf>.

The Carson River Watershed Regional Stewardship Plan is a culmination of the work done by many entities and hundreds of individuals. It is intended to be a guide and resource for organizations working within the watershed and an education tool for those who are interested in finding out more about the area in which they live. The main purposes of the Stewardship Plan are to: a) provide an overview of the watershed and its challenges; b) identify potential sources of nonpoint source pollution; c) discuss short and long term strategies and actions to address these potential sources; d) provide a tracking mechanism for projects and programs; e) identify future project and program opportunities; and, f) address the nine criteria elements of the Clean Water Act Section 319 Program so our watershed can receive EPA grant funding. The Stewardship Plan is currently being updated.

Edwin James and Brenda Hunt from CWSD will give a brief overview of the RFMP, review various projects, discuss future flood awareness projects, and review the Stewardship Plan and the current update process and progress.

TITLE: Presentation on the Comprehensive Regional Water System Report and overview of the Bureau of Reclamation Plan of Study for the Carson River Watershed

DISCUSSION: For the past three years, CWSD staff has been working on the Comprehensive Regional Water System Report (Report). The Report was funded by

the Bureau of Reclamation and CWSD. The purpose of the Report is to evaluate the future municipal water demands and compare them to future water supplies on a watershed-wide basis. Included in the report is an analysis of changes in runoff patterns for the Carson River, discussion on the possibilities of developing water leasing and water banking programs, discussion on regional water conservation programs, and discussion on potential regional water system interties. It is important to note that this Report is not to supersede any water purveyors' Water Master Plan but provide a regional overview of the water supplies and future water demands in the watershed.

The Report is available on the CWSD's web site. The following is a link to the Report: <http://www.cwsd.org/newcms/userpages/2013CompRegWtrSystemPlan.aspx>.

Highlights of the Report:

- The runoff patterns for the Carson River have been changing over the last 70 years. Part of the changes is due to climate impacts and part may be due to changes in agricultural practices.
- Currently, all the water purveyors can meet their immediate and near future water needs. However, in the next thirty years some water purveyors will have issues meeting their water needs. A potential threat that could impact all the water purveyors is changes to water quality standards or possible groundwater contamination.
- Every water purveyor currently has a water conservation program, although some are more robust than others. Even though every water purveyor does have a water conservation program, more can be done to educate and promote the wise use of water.
- One of the most cost effective ways of meeting future water demands is linking various water systems together. To do this in an organized fashion it is important that the various water purveyors meet in an informal or formal setting to open communication on how they can meet the future municipal water needs by working together.

Based on the information gathered in the Report, CWSD and the Bureau of Reclamation are working on a Plan of Study for the Carson River Watershed. The purpose of the Plan of Study is to evaluate what information we have and identify what information we are missing, evaluate which hydrologic model is appropriate to simulate the Carson River flows, and identify various water management strategies.

Debbie Neddenriep and Edwin James from CWSD will give a brief overview of the Comprehensive Regional Water System and the Bureau of Reclamation Plan of Study for the Carson River Watershed.