

Legislative Committee to Study the Use, Management and Allocation of Water Resources

MVWD Background

- MVWD was formed in 1983
- MVWD was the resultant of combining Moapa Valley Water Company and the Overton Water District
- MVWD has a 79 section service area stretching from the Warm Springs area south to the southern edge of Overton
- The MVWD service area is located approximately 45 miles north and east of the Las Vegas Valley and 30 miles west of Mesquite and the Virgin Valley Water District
- MVWD presently has approximately 3000 service connections and we deliver 3400 ac-ft of water to our service area.
- The MVWD customer makeup is largely residential customers.

MVWD Current Operations

- MVWD has four main sources of supply, the Jones Spring, Baldwin Springs, Arrow Canyon well complex and MX 6
- These sources have the potential to supply approximately 7000 af per year.

MVWD Recent Successes

- MVWD recently received a grant from the Environmental Protection Agency for Water Resource Development. The grant is for drilling of exploration wells in the Meadow Valley Wash area and the West Logandale Well area, to conduct a feasibility study on a secondary water system, and a treatment facility for an existing well that MVWD owns.
- MVWD recently adopted a Water Rights Dedication Ordinance for new development. The ordinance requires all new development to dedicate an sufficient amount of water rights to meet the needs of the specific development.

MVWD Pending Capital Projects

- MVWD involvement with SNWA and CSI on the importation of groundwater into our service area during the pump test as detailed in Order 1169
- MVWD planned arsenic treatment facilities with an estimated cost of \$5,000,000
- MVWD planned surface water treatment facility to allow for the use of Muddy River water.
- MVWD is presently working on the implementation of the wellhead protection program. This involves implementing zoning changes in Clark County.

EXHIBIT E - WATER RESOURCES
Meeting Date: 02-15-06
Document consists of 2 pages.
Entire Exhibit Provided

Water Conservation Measures

- MVWD has recently completed its water conservation plan, which promotes low water use landscape.
- MVWD plans to work with the local schools to introduce the children to water conservation concepts.
- MVWD is preparing a study on the feasibility of a secondary water system

Water Supplies

- MVWD's sources have its origin in the regional carbonate aquifer. This aquifer also provides the source water for the Muddy River and the flows for the endangered species habitat. Increased development of this source is tentative.
- As Moapa Valley transitions from agriculture to urban, irrigation water will become available. Through direct acquisitions and through the water rights dedication ordinance, MVWD is acquiring irrigation shares for future use in the service area.
- Through agreement, the MVWD and SNWA have been working closely to facilitate exchanges to bolster the District's water portfolio.

Key Problems and Challenges

Infrastructure is the number one issue facing MVWD.

- With the enforcement of the new arsenic regulation, MVWD will need to expend \$5,000,000 plus in the construction of treatment facilities. The ongoing treatment costs will force rates to all time highs.
- With the anticipated growth, MVWD will need to construct a surface water treatment facility. As with most growth driven facilities, the agency has to upfront the capital costs and recovers its expenditures with new connections.

Development of new Water Supplies

Suggestions for Legislative Actions

Any legislation that could create new tools or lessen the regulatory burden on water resource development or water resource management would be of great assistance to our District.