

MOAPA VALLEY WATER DISTRICT

EXHIBIT G – LANDS
Document consists of 14 slides.
Entire Exhibit provided.
Meeting Date: 01-22-10

HISTORY

- MVWD WAS FORMED BY THE STATE LEGISLATURE IN 1983
- COMBINED THE OVERTON WATER DISTRICT AND THE MOAPA VALLEY WATER COMPANY
- MVWD IS A “POLITICAL SUBDIVISION” AND SELF GOVERNED BY A 5 MEMBER ELECTED BOARD

GENERAL INFORMATION

- MVWD IS LOCATED 45 MILES NORTHEAST OF NORTH LAS VEGAS AND 30 MILES SOUTHWEST OF MESQUITE
- MVWD SERVICE AREA IS 79 SQUARE MILES LYING NORTH AND SOUTH OF INTERSTATE 15
- MVWD SERVICES OVERTON, LOGANDALE, GLENDALE, MOAPA AND WARM SPRINGS

GENERAL INFORMATION (CONT'D)

- SERVE AREA POPULATION OF 9000
- 3000 +/- SERVICE CONNECTIONS
- TYPICAL LOT SIZE IS ONE ACRE, WITH MANY TWO ACRE PARCELS.
- CATEGORIZE PRESENT DAY AS A RURAL WATER DISTRICT IN TRANSITION TO URBANIZATION
- PRESENT DEMAND IS 3500 AFA

EXISTING WATER RESOURCES

- AT PRESENT, THE AVAILABLE WATER RESOURCE EXCEEDS THE DEMAND
- ALL OF THE MVWD WATER RESOURCES ARE LOCATED IN CLOSE PROXIMITY TO ENVIRONMENTALLY SENSITIVE AREAS
- MVWD'S MAJOR SUPPLY WELLS ARE JUNIOR TO OTHER BASIN GROUNDWATER RIGHTS



WATER REESOURCE MANAGEMENT PROGRAMS

(WORK IN PROGRESS)

COOPERATIVE WATER RESOURCE MANAGEMENT

- AGREEMENT BETWEEN MVWD AND SNWA
- EXECUTED IN 2008
- MODIFIED THE PAST MVWD / SNWA AGREEMENTS TO ALLOW SNWA TO INCREASE ITS ABILITY TO BANK WATER IN LAKE MEAD UNDER THE "ICS" (INTENTIONALLY CREATED SURPLUS" PROGRAM

CWRM (CONT'D)

- ALLOWS MVWD TO ACQUIRE A PERCENTAGE OF LOCAL WATER RESOURCES ACQUIRED BY SNWA
- ALLOWS MVWD TO EXCHANGE ITS LOCAL WATER RESOURCES IN THE FORM OF SHARES OF IRRIGATION DISTRICT WATER FOR GROUNDWATER FROM THE GROUNDWATER IMPORTATION PROJECT

CWRM (CONT'D)

- CLARIFIES THE COST AND DISTRIBUTION OF THE EFFLUENT RESOURCE BETWEEN MVWD AND SNWA

SECONDARY WATER SYSTEM

- PRESENTLY INVESTIGATING THE POSSIBILITIES OF DEVELOPING A SECONDARY SYSTEM FOR MAJOR TURF FACILITIES
- ESTIMATE THE POTABLE WATER SAVINGS TO BE 17%
- ESTIMATE 10 YEAR DEFERRAL OF MAJOR INFRASTRUCTURE

WATER CONSERVATION

- PUBLIC EDUCATION PROGRAM TO PROMOTE WATER CONSERVATION WITH EXISTING CUSTOMERS
- WORKING WITH NEW DEVELOPMENTS TO REQUIRE LOW WATER USE LANDSCAPE THEMES
- AGGRESSIVE LEAK DETECTION PROGRAM IN THE DISTRIBUTION SYSTEM

KEY ISSUES

- SNWA PRESENTLY PURCHASING MVIC STOCK. THIS FALLOWING OF WATER RIGHTS EFFECTIVELY FOLLOWS THE LAND FOR WHICH THE WATER HAS BEEN APPURTENANT. AS THE FALLOWED LAND IS WITHIN THE MVWD SERVICE AREA, IT LEAVES MVWD WITH A RESPONSIBILITY TO FIND RESOURCES TO SERVE THE FALLOWED LAND.

KEY ISSUES

- PUBLIC LAND DISPOSALS WITHIN AND ADJACENT TO EXISTING SERVICE AREAS CAN HAVE SIGNIFICANT IMPACTS ON WATER PURVEYORS. IMPACTS ON BOTH INFRASTRUCTURE AND WATER RESOURCES. MVWD HAS SEVERAL THOUSAND ACRES IN THE EASTERN PART OF THE SERVICE AREA THAT IS BEING CONSIDERED FOR DISPOSAL.

SUMMARY

- DURING THE “DECISION MAKING” PROCESS OF PUBLIC LAND USE CHANGES, IMPACTS ON WATER PURVEYORS NEED TO BE CONSIDERED. FUNDING MECHANISMS NEED TO BE DEVELOPED TO MITIGATE THOSE IMPACTS