

MOAPA VALLEY WATER DISTRICT

WATER RESOURCE PLANNING

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

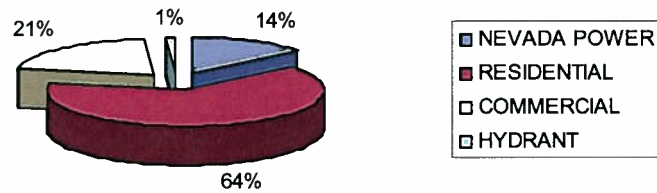
- MVWD IS LOCATED 45 MILES NW OF NORTH LAS VEGAS AND 30 MILES EAST OF MESQUITE
- MVWD SERVICE AREA IS 79 SQUARE MILES LYING NORTH AND SOUTH OF INTERSTATE 15
- MVWD SERVICES OVERTON, LOGANDALE, GLENDALE, MOAPA AND WARM SPRINGS

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

CUSTOMER PROFILE

WATER CONSUMPTION BY USER



EXISTING WATER RESOURCES

- ARROW CANYON WELLS #1 AND #2
- MX 6 WELL
- BALDWIN SPRINGS
- JONES SPRINGS
- 1000 AFA MUDDY RIVER LEASE

EXISTING WATER RESOURCES

- AT PRESENT, THE AVAILABLE WATER RESOURCES EXCEED THE DEMAND
- ALL OF THE WATER RESOURCES ARE LOCATED IN CLOSE PROXIMITY TO ENVIRONMENTALLY SENSITIVE AREAS
- ARROW CANYON WELLS ARE JUNIOR IN PRIORITY TO OTHER GROUNDWATER RIGHTS.
- THE SPRINGS HAVE A 1920 PRIORITY DATE AND HAVE BEEN ADJUDICATED.

OTHER AVAILABLE WATER RESOURCES

- MUDDY RIVER IRRIGATION STOCK (MUDDY RIVER WATER)
- OTHER MUDDY RIVER WATER
- OBTAINING SECONDARY RIGHTS TO TREATED EFFLUENT FROM CLARK COUNTY WATER RECLAMATION
- DEVELOPMENT OF A SECONDARY SYSTEM TO ELIMINATE THE NEED FOR POTABLE USE IN TURF IRRIGATION

WATER RESOURCES (CONT'D)

- DEVELOPMENT OF ADDITIONAL GROUNDWATER SUPPLIES
- WATER CONSERVATION
- PASSAGE OF A WATER RIGHTS DEDICATION ORDINANCE

KEY ISSUES

- SNWA PRESENTLY PURCHASING MVIC STOCK. THIS FALLOWING OF WATER RIGHTS EFFECTIVELY FALLOWS 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