Western United States – Early 1900’s

Grand Valley Project, Colorado
Mission Statement

• To manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.
Mission

- Storage
- Transfer
- Water Conservation
- New Technology
Infrastructure

348 Reservoirs
(~ 450 Dams)

58 Hydroelectric Plants

55,000 Miles of Canals

$2B in Hydropower Assets
Hydropower

- Second Largest Hydroelectric Producer in the U.S.A.
- Fifth Largest Electric Utility in the 17 Western States
- Produce 40B kwh Annually
- 192 Generating Units
- 27M Tons/Yr of CO2 Offset
Agricultural Irrigation

- Provides irrigation water to 20% of U.S. Western farmers (10M acres)
- Reclamation Projects enable farmers to produce 60% of the nation’s vegetables and 25% of the nation’s fruit and nut crops
Municipal And Industrial Supplies About 10 Trillion Gallons Of Water To 31 Million People Every Year
Flood Control

- Regulating Flood Waters Has Prevented Destruction Of Cities And Agricultural Lands
- Billions Of Dollars Have Been Saved In Flood Damage Since 1950
Recreation (in partnership with others)

- About 90 Million Visitors A Year To Reclamation Projects And Lands
- 289 Recreation Sites That Feature Fishing, Boating And Camping
Pacific Northwest Region
Mid-Pacific Region
Lower Colorado Region
Great Plains Region
Mission

Storage

Transfer

Water Conservation

New Technology
AWT Strategy

- Intra-agency technical coordination
- Inter-agency and non-federal technical coordination
- Assess the potential and impact of new water supplies through AWT
- Strengthen the scientific foundation of research
- Target demonstration activities
- Enhance technology transfer and information exchange
Water Quality Improvement Center - Yuma, AZ

- Evaluates technology for possible use at the Yuma Desalting Plant; year long YDP pilot run with MWD, CAWCD, SNWA
- In-house and partnered research programs
- Agricultural tail water, brackish groundwater, Colorado River water
- Only bench-to-demonstration-scale water research facility on the Colorado River
- A desalination R&D laboratory facility
Brackish Groundwater National Desalination Research Facility - NM

- Renewable energy sources for desalination
- Desalination of brackish groundwater
- Concentrate management
- Small-scale rural systems
- Treatment of produced waters
- Public information and education
Boise Project, Idaho