Citizens Advisory Committee

Process Kick-Off

July 12, 2017

MEETING AGENDA

Introductions: Facilitator, committee and key staff

Committee Process Overview and Ground Rules

BBWD Overview

Facility Tour

WELCOME & INTRODUCTIONS

FACILITATOR: LEWIS MICHAELSON

- President, Katz & Associates (San Diego)

- 30 years experience in designing and facilitating consensus-building programs for environmental, planning and infrastructure projects

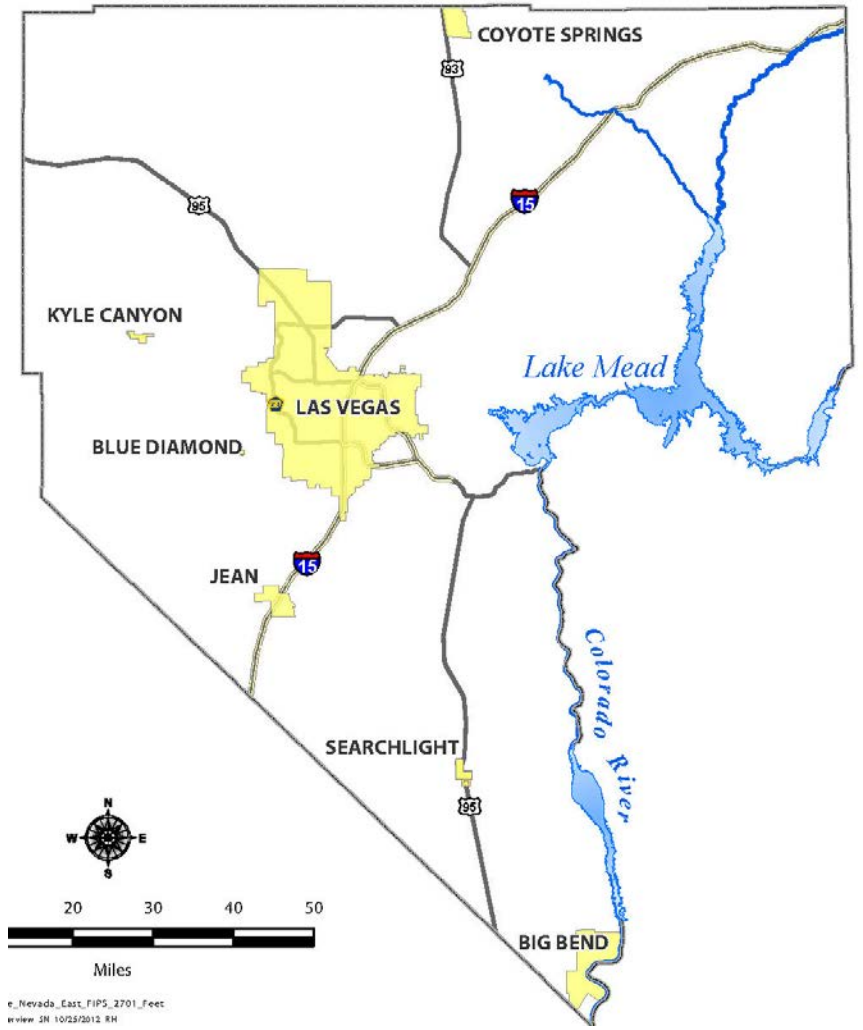
<u>Notable Projects:</u>

- Advisory Committee: Statewide integrated regional management plan for California
- Storm water permitting stakeholder workshops
- One Water Los Angeles Advisory Committee
- Kyle Canyon Water District rates process
- Las Vegas Valley Water District Water Rates and Service Rules CAC

ABOUT THE LVVWD

Provides drinking water to customers in Las Vegas and unincorporated Clark County.

Created by a legislative special act in 1947, which set forth its powers and authority.



<u>MISSION:</u>

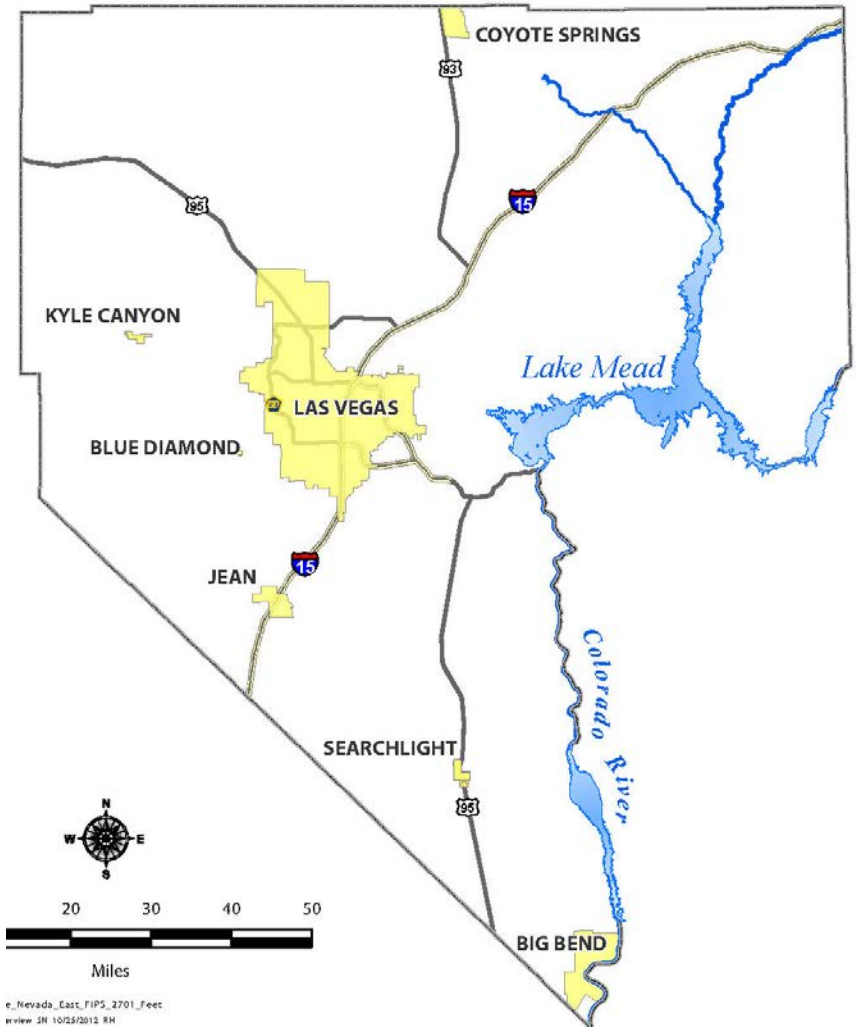
Partner to provide reliable, quality water, ensuring the sustainability of our desert community and serving our customers responsibly.

ABOUT THE LVVWD

The LVVWD also owns and/or operates other small systems:

- Big Bend
- Kyle Canyon
- Blue Diamond
- Searchlight
- Jean
- Coyote Springs

The systems maintain their own rate structures, facilities and operating budgets.



GOVERNANCE

Clark County Commissioners serve as the Big Bend Water District's seven-member Board of Trustees.

- Steve Sisolak, President
- Susan Brager, Vice President
- Jim Gibson
- Larry Brown
- Chris Giunchigliani
- Marilyn Kirkpatrick
- Lawrence Weekly

CITIZEN ADVISORY COMMITTEES

The LVVWD maintains a long-standing history of seeking public input on initiatives with community impacts.

2003 LVVWD Citizens Advisory Committee (Water Rates)

2007 LVVWD Citizens Advisory Committee (Water Rates and Conservation)

2008 Kyle Canyon Rates Process (Metered Rates and System Improvements)

2016 LVVWD Citizens Advisory Committee (Water Rates and Asset Management)

2017 BBWD Citizens Advisory Committee

ADVISORY COMMITTEE: SCOPE

- Understand existing system operations
- Assess needs for future system improvements and maintenance
- Develop thorough understanding of existing financial status and long-term needs
- Recommend a sustainable long-term funding strategy

ADVISORY COMMITTEE: MEETINGS

- Facilitated by a neutral third-party facilitator
- All meetings will be publicly-posted and open to the public
- Opportunities for public comment at the beginning and end of each meeting
- All committee work will take place during the public meetings

PROCESS TIMELINE

June 2017: BBWD Board appoints committee members

July 2017: Committee kick-off meeting

Committee to meet approximately every two weeks for a 2-3 month period

Sept 2017: Work sessions conclude and recommendations are finalized

Oct 2017: Committee recommendations presented to Laughlin Town Advisory Board

Nov 2017: BBWD Board of Trustees considers committee recommendations

DISCUSSION PROCESS

Listen and value all perspectives

Provide everyone with the opportunity to participate

Avoid interrupting: one person speaking at a time

Honor meeting time constraints and balance the need to speak with the needs of others and meeting's agenda

Listen with an open mind

Recognize that collaborative problem solving is the preferred deliberation process

ABOUT BBWD

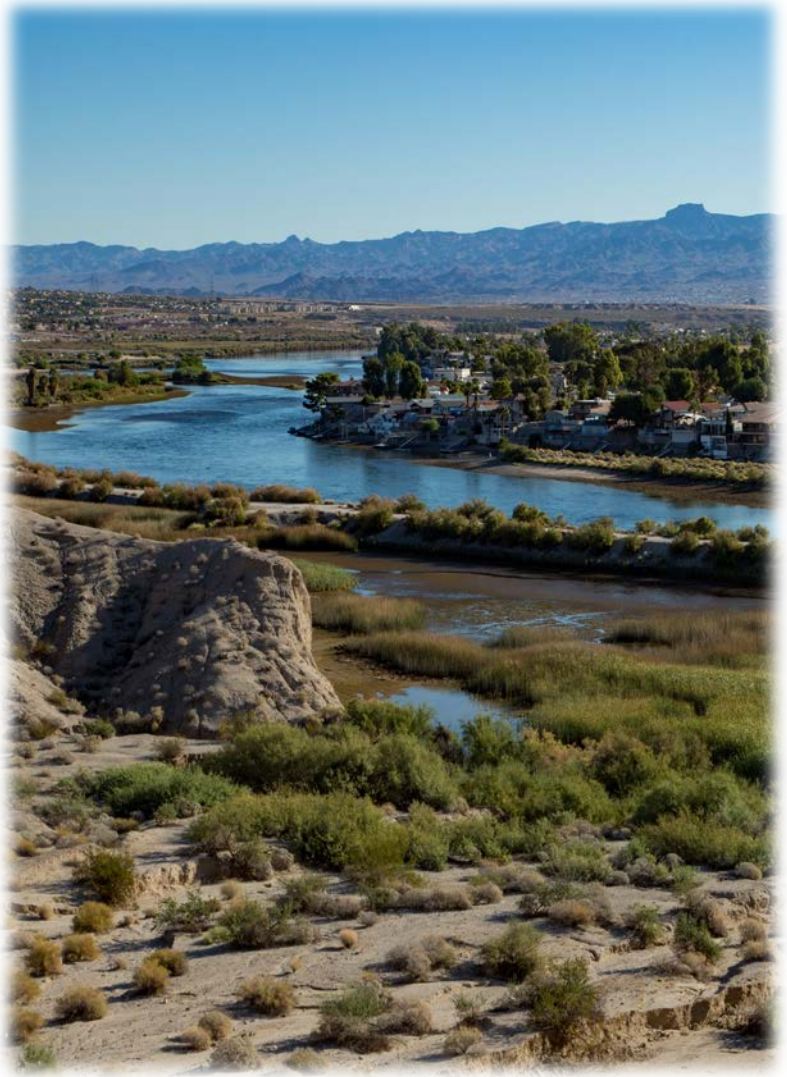
1982	Big Bend Water District GID was formed to supply water to the town of Laughlin
1991	BBWD became a SNWA member agency
2008	LVVWD assumed BBWD operations
2017	9,000 residents 2 million annual visitors 2,200 water services

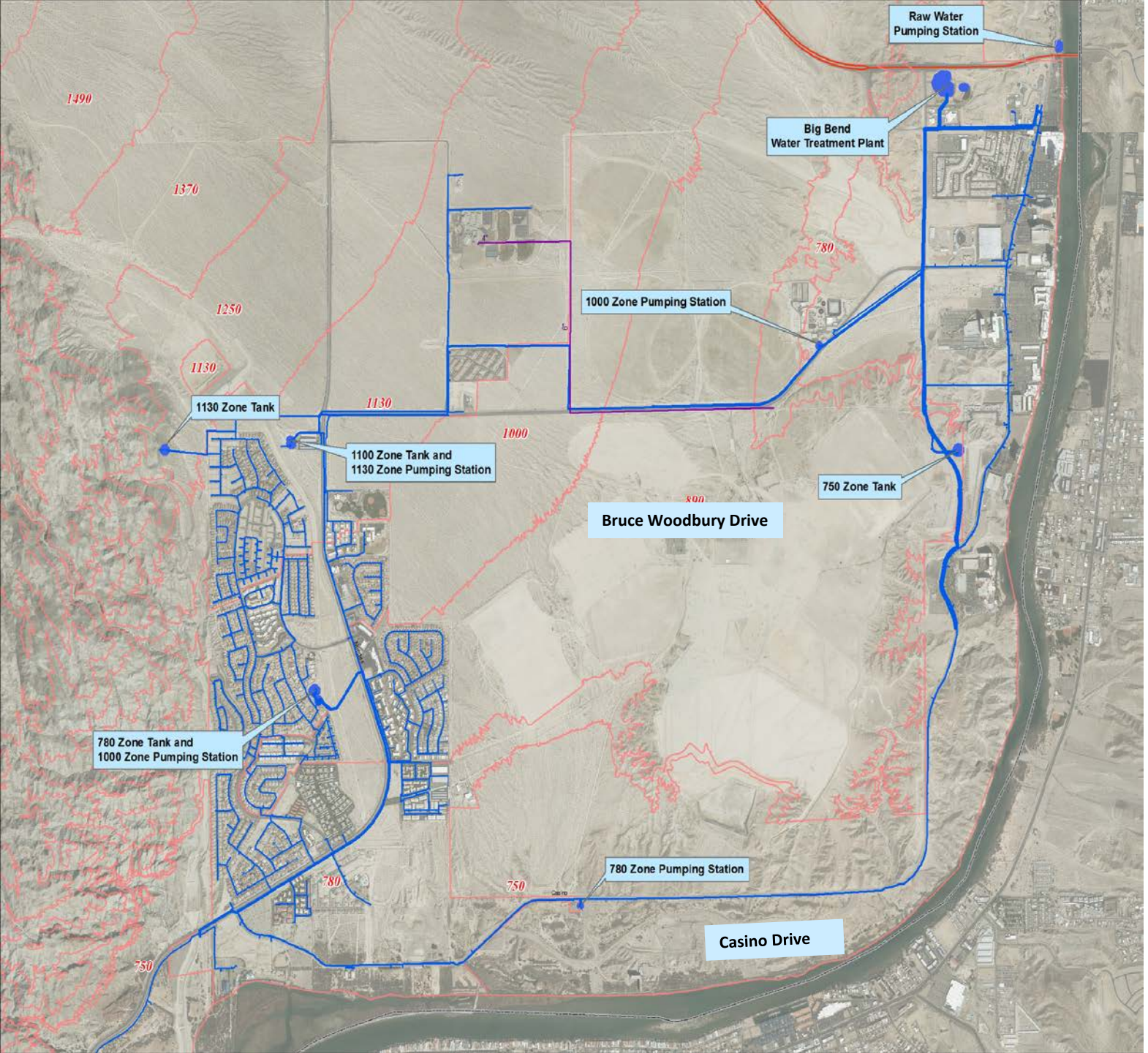
BBWD WATER RESOURCES

The Colorado River meets all of the BBWD's water demands.

Water is accessed and treated through facilities near the river.

Total Water Rights:	15,352 afy
Average Annual Use:	Approx. 4,200 afy





CURRENT WATER SYSTEM

Approx. 60 miles of pipeline

Approx. 315 hydrants

4 storage tanks

Raw water treatment plant
- Ozonation
- UV Disinfection

Max operating capacity is 15 MGD

Peak demand 7.5 - 8.5 MGD

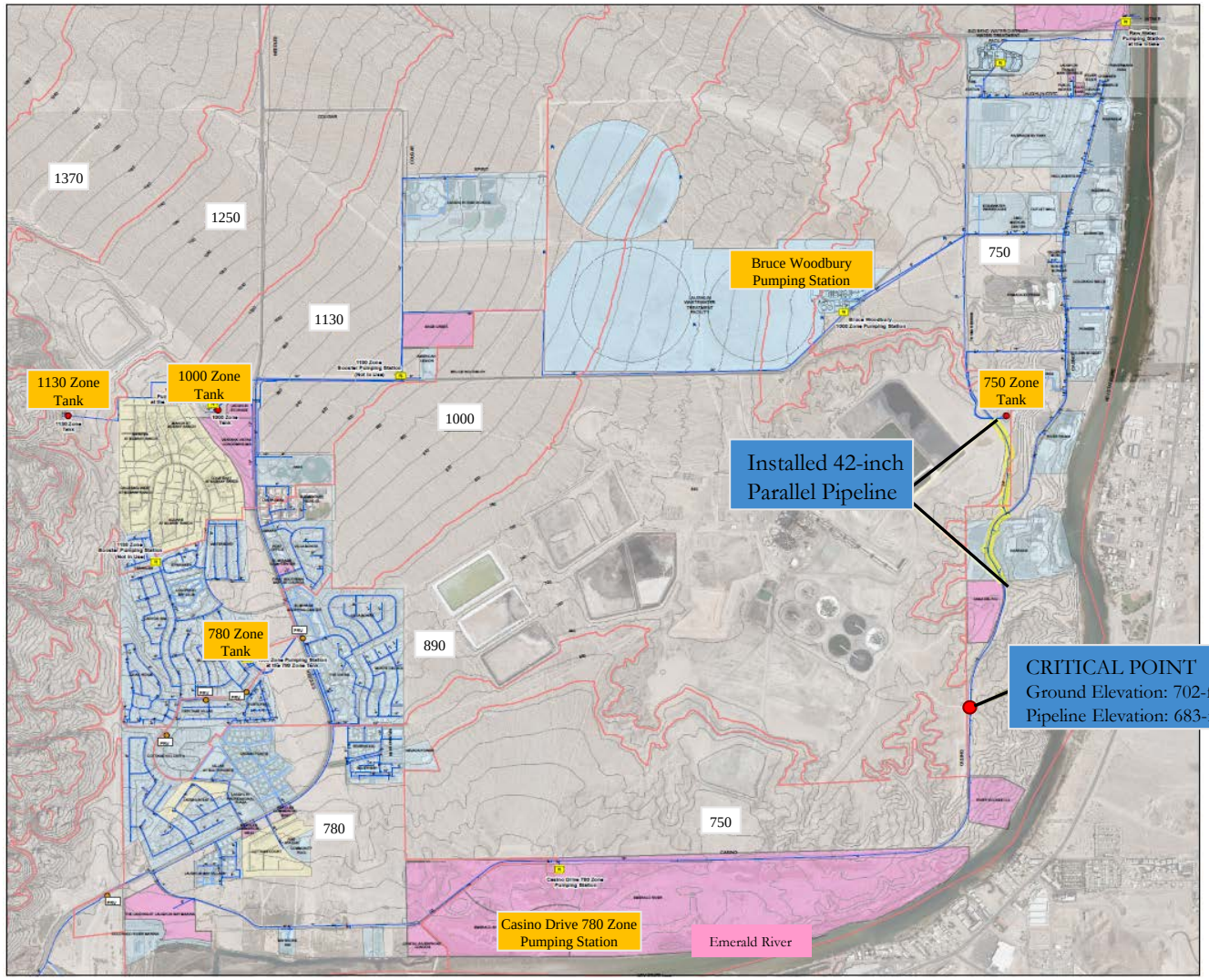
CAPITAL IMPROVEMENTS

In the last 10 years, the system required more than $7.8 million for improvements to the water system.

The improvements addressed issues within the system:

- NAC Requirements
- System Reliability
- Operational Efficiency
- Conservation
- Water Quality
- Operations and Maintenance

CAPITAL IMPROVEMENTS



Thomas Edison/Casino Drive Pipeline Improvements ($3.2 million)

- Addressed low pressure issue in Casino Drive pipeline
- Improved system reliability
- Increased pipeline capacity to allow for future demands

CAPITAL IMPROVEMENTS

Service Line Replacements ($2.4 million)

Nearly 800 service laterals have been replaced.

- Polyethylene-coated copper water tube
- New corporation stops
- Service saddles
- Angle meter stops
- Corrosion control

CAPITAL IMPROVEMENTS

Bruce Woodbury Pumping Station Electrical Upgrades ($250,000)

- Installed new NV Energy service
- New Motor Control Center capable of operating two pumps simultaneously
- Designed to easily accommodate future pump additions
- Increased reliability
- Improved water quality

CAPITAL IMPROVEMENTS

Additional System Reliability and Water Quality Improvements (All completed)

- Trihalomethanes (TTHM) Treatment at 780 Pressure Zone Tank ($350,000)
- Casino Drive Pipeline Relocation ($133,000)
- 1000 to 780 Pressure Zone PRV ($45,000)
- Standby Generator for Treatment Plant ($57,000)

CAPITAL IMPROVEMENTS

- Capital Improvements were largely funded with reserves.
- More than $1 million in grant funding was used to fund improvements.
- Over the next 10 years, the BBWD requires approximately $9 million of improvements to maintain reliability and system efficiency.
- The BBWD Citizens Advisory Committee will help influence how the BBWD will fund those improvements.

10-YEAR CAPITAL PLAN

Pipeline Improvements	$3.6 million
Emergency Well	1.1 million
Unforeseen Projects or Emergencies	1.0 million
Clearwell Deck Corrosion (Treatment Plant)	820,000
SCADA software conversion	366,000
Rialta Tank Refurbishment	350,000
Treatment Plant Programmer Computer	250,000
Foothills Tank Refurbishment	250,000
Intake VFD	200,000
Advanced Metering Infrastructure	200,000
Rialta Tank – Motor Control Center Refurbish	150,000
Ozone Generator Room HVAC	150,000
Reservoir THM Mitigation System	140,000
Intake Structure CP System Replacement	110,000
Casino Drive Pumping Station MMC Replacement	100,000
Treatment Plan Process Controls Upgrade	50,000
Filter Inlet Valves	50,000
Pressure Zone Bypass	18,000
TOTAL	**$8,904,000**

BBWD FACILITY TOUR

Objective: **Tour key components of the BBWD Water System to gain an understanding of the system, issues and future improvements needed**

Tour Stops:

- BBWD Raw Water Intake Structure
- BBWD Water Treatment Facility
- Drive-by locations
  - Casino Drive Pump Station
  - Rialta 780 Zone Tank
  - 1000 Zone Tank
  - Foothills Tank

NEXT MEETING

Committee Discussions:

BBWD revenue sources

Funding needs

Water rates