

AGENDA

Members

Melissa Armijo Erwin Melis Janie Chermak Amy Miller

Robert Fowlie Ron Schwarzwalder
Dave Hill Scott Verhines

Thursday, February 6, 2020		4:00 PM	OneABQ GC – 7th Floor Conference Room 7096
1.	Call to Order		4:00-4:05
2.	Approval of Agenda		4:05-4:10
3.	Approval of January 9, 2020 Action Summary		4:10-4:15
4.	Presentation on the Water System Overview		4:15-5:55
5.	Public Comment		5:55-6:00
6.	Adjournment		6:00

NOTICE TO PERSONS WITH DISABILITIES: If you have a disability and require special assistance to participate in this meeting, please contact the Water Utility Authority Office, Suite 5012, Albuquerque/Bernalillo County Government Center, phone 289-3100, as soon as possible prior to the meeting date.



ACTION SUMMARY

January 9, 2020

Members Present:Members Excused:Melissa ArmijoJanie ChermakDave HillRobert FowlieErwin MelisScott Verhines

Amy Miller

Ron Schwarzwalder

Water Authority Staff Present:

Mark Kelly, Compliance Division Manager Elizabeth Anderson, Chief Innovation & Performance Manager

Item 1 - Call to Order - Note presence of quorum

The meeting was called to order at 4:02 pm by Water Authority staff member Elizabeth Anderson. Chair Janie Chermak was not able to attend the meeting. Vice Chair Andrew Bernard resigned as noted in the November 7, 2019 action summary. Consequently, Water Authority staff ran the meeting up to the point where the new chair and vice-chair were elected.

Item 2 - Approval of Agenda

Ron Schwarzwalder made a motion to approve the agenda. Erwin Melis seconded the motion. The motion passed on an 5-0 vote.

For: 5 Armijo, Hill, Melis, Miller, Schwarzwalder

Against: 0

Excused: 3 Chermak, Fowlie, Verhines

Item 3 - Election of Chair/Vice-Chair

Ron Schwarzwalder nominated Amy Miller for the position of chair. Amy Miller nominated Ron Schwarzwalder for the position of vice-chair. Erwin Melis seconded the motions. The motions passed on a 5-0 vote.

For: 5 Armijo, Hill, Melis, Miller, Schwarzwalder

Against: 0

Excused: 3 Chermak, Fowlie, Verhines

Item 4 – Approval of November 7, 2019 Action Summary

Melissa Armijo made a motion to approve the action summary. Erwin Melis seconded the motion. The motion passed on an 5-0 vote.

For: 5 Armijo, Hill, Melis, Miller, Schwarzwalder

Against: 0

Excused: 3 Chermak, Fowlie, Verhines

Item 5 - Presentation on the Water Authority's new NPDES Permit

Mark Kelly gave a presentation on the new NPDES permit recently issued by EPA to the Water Authority. The presentation included an overview of what an NPDES permit is and the purpose of this permit, the Water Authority's NPDES Program, and recent changes to the NPDES permit.

Item 6 – Approval of Open Meetings Resolution

Ron Schwarzwalder made a motion to approve the resolution. Dave Hill seconded the motion. The motion passed on a 5-0 vote.

For: 5 Armijo, Hill, Melis, Miller, Schwarzwalder

Against: 0

Excused: 3 Chermak, Fowlie, Verhines

Item 7 - Approval of 2020 Work Plan

TCAC members reviewed the work plan and suggested that field trips be provided to supplement the presentations providing overviews of the water and wastewater system operations, such as field trips to the San Juan Chama Surface Water Treatment Plant and diversion facilities, pump stations, and the Southside Water Reclamation Plant. TCAC members also expressed interest in seeing benchmarks/metrics relating to Water 2120, which is a topic that would be covered during the presentations on FY21 Goals & Objectives and Water 2120 Projects and Plans. Erwin Melis made a motion to approve the 2020 Work Plan. Melissa Armijo seconded the motion. The motion passed on a 5-0 vote.

For: 9 Armijo, Hill, Melis, Miller, Schwarzwalder

Against: 0

Excused: 0 Chermak, Fowlie, Verhines

Item 8 – Public Comment

None.

Item 9 – Adjournment

The meeting concluded at 5:02 pm.



Water System Overview

Scott J. Salvas, P.E. Chief Engineer – Surface Water



1

Water System Overview

- Primary Sources of Supply
 - Surface Water
 - Groundwater
- Components of the Water System
 - Pipes
 - Pumps
 - Reservoirs
 - Valves
 - Meters
- Water Transmission and Distribution



FACILITIES WE OPERATE, WATER WE PRODUCE

- WE MANAGE AND OVERSEE OVER 150 SEPARATE PROPERTIES
- 90 MGD SURFACE WATER TREATMENT PLANT
- 85 GROUNDWATER WELLS
 - 58 ACTIVE GROUNDWATER PRODUCTION WELLS= 176 MILLION GALLONS PER DAY CAPACITY
 - 27 ADDITIONAL HIGH ARSENIC WELLS IN RESERVE
- 3 ARSENIC TREATMENT FACILITIES
- 40 DISINFECTION SYSTEMS



3

FACILITIES WE OPERATE, WATER WE PRODUCE

- 45 PUMP STATIONS
 - 39 POTABLE PUMP STATIONS = OVER 700 MILLION GALLONS PER DAY OF PUMPING CAPACITY
 - 6 NON-POTABLE PUMP STATIONS
- 66 WATER STORAGE RESERVOIRS
 - 61 POTABLE RESERVOIRS = 233 MILLION GALLONS STORAGE
 - 5 NON-POTABLE RESERVOIRS = 7.2 MILLION GALLONS STORAGE

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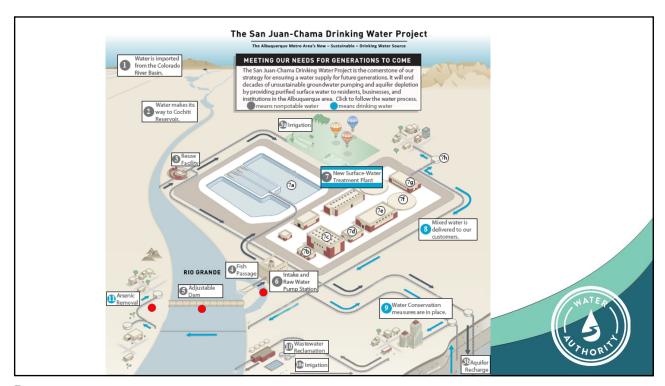
FACILITIES WE OPERATE, WATER WE PRODUCE

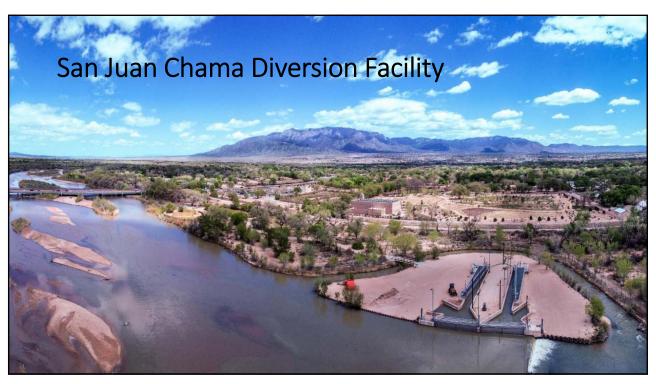
- CAPACITY TO TRANSPORT 84 MILLION GALLONS OF TREATED SURFACE WATER PLUS GROUNDWATER TO DISTRIBUTE ACROSS THE ENTIRE SERVICE AREA
- 3,000+ MILES OF PIPE
- 45,000 ISOLATION VALVES
- 215 PRESSURE REDUCING VALVES
- 18,000+ FIRE HYDRANTS
- 210,000+ SERVICE METERS

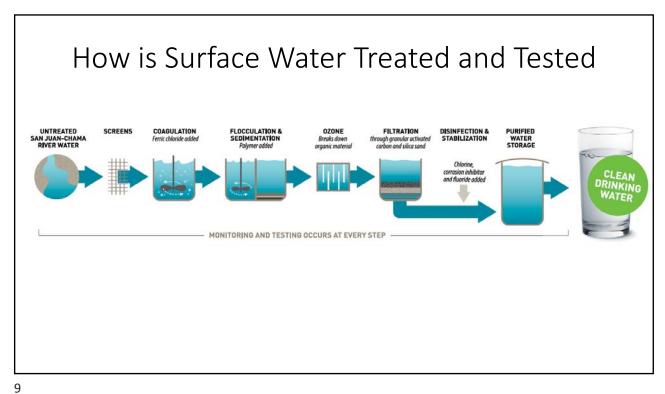


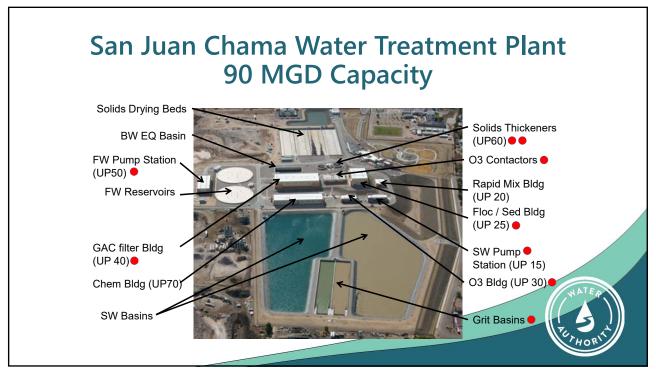
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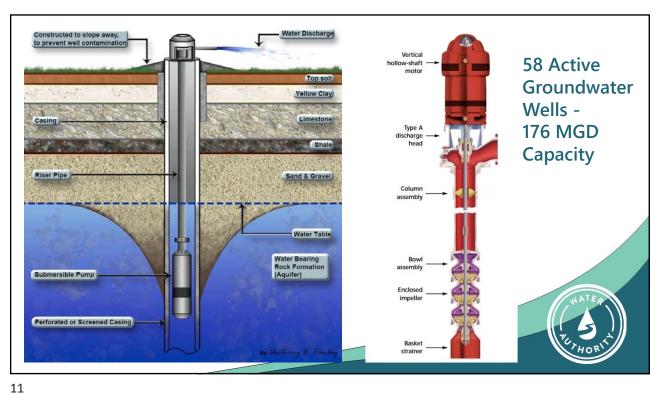






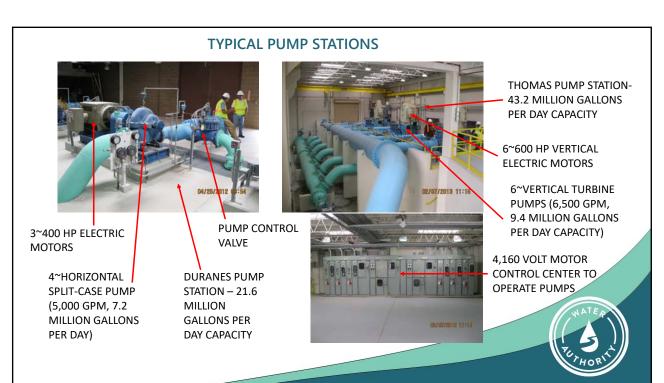


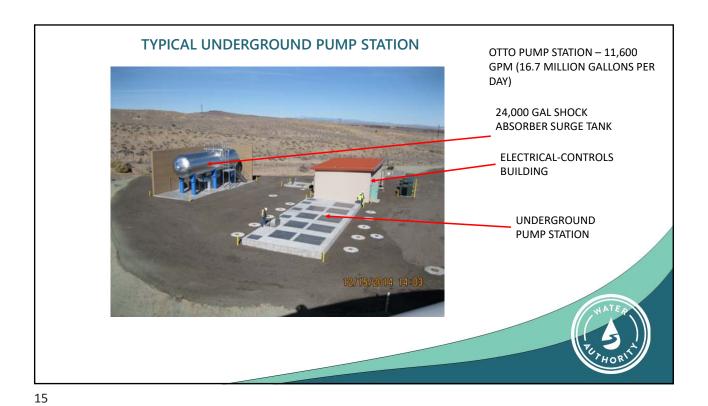












620 HP SUBMERSIBLE MOTOR
AND 6,000 GPM (8.6 MILLION
GALLON PER DAY) PUMP

RESERVOIRS-STEEL AND CONCRETE



OTTO RESERVOIR – 4.2 MILLION GALLONS

- DIAMETER=175 FT
- DEPTH=24 FT



ECHO CANYON RESERVIOR-0.38 MILLION GALLONS

- DIAMETER=45 FT
- DEPTH=32 FT



ARROYO DEL OSO NON POTABLE



GLENWOOD RESERVOIR 2- 4.8 MILLION GALLONS

 MULTI-USE FACILITY WITH PUBLIC TENNIS COURTS



17

SAN JUAN CHAMA FLOW CONTROL VAULTS-WHERE SURFACE WATER IS DELIVERED TO POTABLE RESERVOIRS



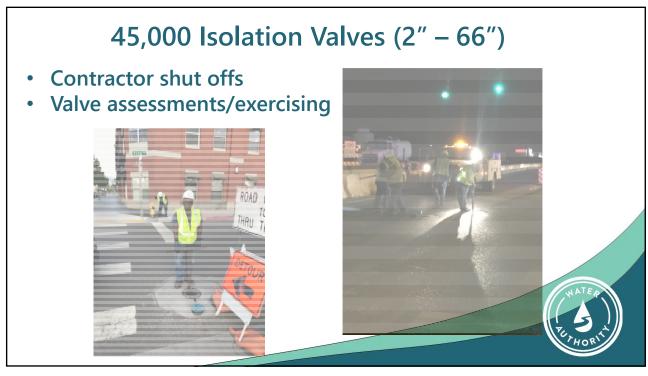
UNDEGROUND CONCRETE VALVE VAULT



INFLOW CONTROL VALVE TO DELIVER UP TO 30 MILLION GALLONS PER DAY OF SURFACE WATER AT EACH OF 7 SITES









Over 125 vaults containing 215 individual PRV's ranging in size from 2" to 16"



21







210,000 METERS

- 100,000 Meters are AMI Equipped
- Remaining 100,000 Meters will be AMI Equipped within 5 years
- Leveraging AMI-Using AMI for distribution pressure and temperature





25



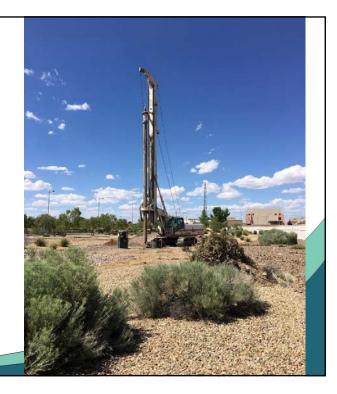
Aquifer Storage and Recovery (ASR)

Purpose: to store San Juan – Chama water in the aquifer for future use

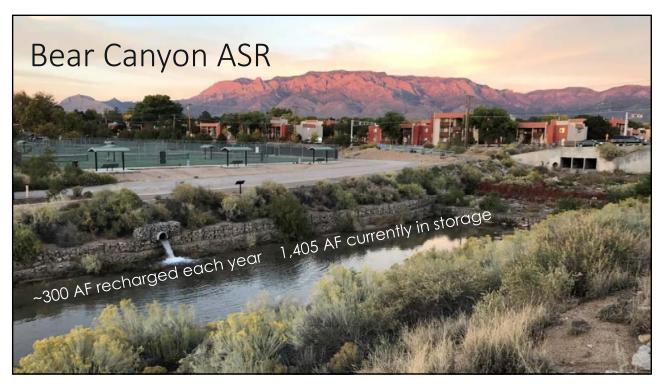
Current projects:

Bear Canyon – surface water infiltrating through the bed of the arroyo

Drinking Water Plant Wells – two wells being tested. One in the vadose zone and one all the way into the water table



27



BREAK & HYDRAULICS ACTIVITY



29

Water Transmission & Distribution

- Water is transmitted along East-West trunks to service pressure zones that run North-South
- 4 Eastside trunks
- 5 Westside Trunks
- 12 Eastside pressure (service) zones
- 9 Westside pressure (service) zones
- 2 Non-potable Trunks
- In general, water is pumped up to reservoirs at night and water flows via gravity during the day.



