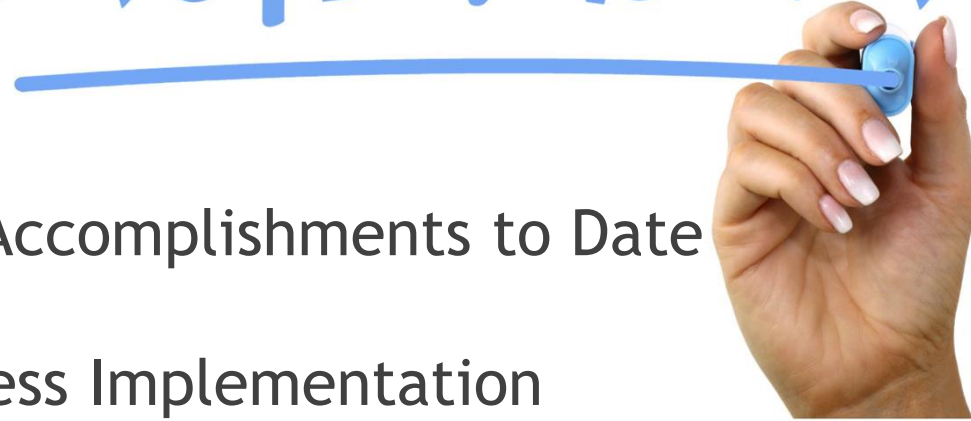


# Alliance Water Resources, Inc. Operations Update

**Martin County Water District**

August 11, 2021

# AGENDA



- ▶ Key Accomplishments to Date
- ▶ Process Implementation
- ▶ GIS
- ▶ Project Updates
- ▶ Immediate Needs
- ▶ Discussion/Questions

# Key Accomplishments to Date



- ▶ RFQ'S were received and 2 engineering firms were selected by the Water and Sanitation Districts. Fishbeck on the water side and Prime on the Sanitation side.
- ▶ Created 90-day goals
- ▶ New billing software purchased and Implemented
- ▶ **QGIS and GEOSYNC CLOUD Implementation.**
- ▶ 1500 meters GIS Mapped
- ▶ Leak Mapping on GIS
- ▶ **Kept reservoir levels up while battling pump issues**



# Key Accomplishments to Date

- ▶ Master Meter Zones Identified
- ▶ Water Loss Control Implementation
- ▶ Critical Operational Equipment for Regulatory Compliance and Leak Detection
- ▶ Developed Meter Reading and Billing SOP
- ▶ **Developed WTP and WWTP SOP's**
- ▶ Installed 2<sup>nd</sup> pump at Turkey Booster Station
- ▶ Purchased New Trench Box for Safe Excavation
- ▶ New Pump at Meathouse Booster Station
- ▶ Repaired broken valve

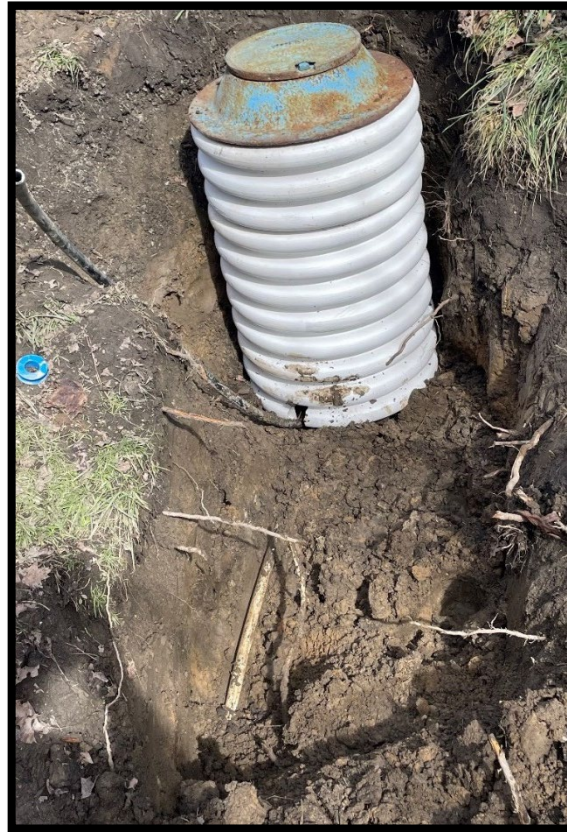


# Key Accomplishments to Date



- ▶ Replaced Ceiling Tile and Lighting in Plant Lab
- ▶ Installed New Booster Station Building at Cassell Branch
- ▶ **Purchased New Booster Station Building for Meathouse Booster Station**
- ▶ 3 Trucks brought from Alliance Water Resources and Provided for District Use
- ▶ Repaired the District Excavator and Purchased New Tracks
- ▶ Repaired District Dump Truck for Use During Leak Repairs

# Key Accomplishments to Date



- ▶ **Fixing Hydraulic and System Issues the Right Way**
- ▶ **8 Newly Acquired Licenses in the District**
- ▶ **Installed a new valve on ST RT 2032 to isolate a problem area in Wolfcreek area**
- ▶ **Inventory Control Program**
- ▶ **Graveled Access Road for Clearwells**
- ▶ **Pump Redundancy at 292 Booster Station**
- ▶ **New Pump at Buffalo Horn Booster Station**

# STANDARD OPERATING PROCEDURES

- ▶ METER READING AND BILLING SOP
- ▶ WATER LOSS CONTROL PROGRAM
- ▶ THEFT OF WATER
- ▶ MARTIN CO. WTP OPERATIONS AND COMPLIANCE
- ▶ TUG VALLEY WWTP OPERATIONS AND COMPLIANCE
- ▶ INEZ WWTP OPERATIONS AND COMPLIANCE

# GIS LIVE DEMONSTRATION

- ▶ Erica Bogenpohl. PE, GISP - Utilities Engineer and GIS Specialist



# Contract 113-19-02

## RWI & WTP Improvements

### ► Status:

- Bids for the project rebid were opened on April 13<sup>th</sup>.
- Summary of Bids:
  - One Bid was received from Pace Contracting.
  - Base Bid: \$3,858,387
  - Base Bid plus Additive Alternates: \$4,003,722
- The combined bids for the RWI/WTP Project and the Waterline Replacement Project in the Beauty/Lovely Areas exceeded funds available for construction.
- District will defer Water Line Replacement in the Beauty/Lovely Areas until a later date and use the funds budgeted for this project for improvements at the RWI/WTP. AML has given conditional approval for this plan pending OSMRE concurrence. The USACE has also granted approval.
- A letter awarding the project to Pace Construction in the amount of \$3,473,426 and subject to concurrence of all state and federal agencies was sent to Pace on July 9,



# Contract 113-19-03 Mainline, Service Line, Meter Replacement in Beauty/Lovely Areas

## ► Status

- Bids for the project rebid were opened on April 13<sup>th</sup>.
- Summary of Bids:
  - 3 Bids were received
  - Low Base Bid: \$910,463.40
  - Low Base Bid plus Additive Alternates: \$1,736,825.40
- Due to overage on the RWI/WTP Project, the District intends to defer construction of this project to a later date and use the funds associated with this project for construction of the RWI/WTP Project.
- The District is submitting funding requests in an effort to obtain funding to construct this project as soon as possible.



# Contract 113-19-04

## Mainline, Service Line, Meter Replacement

- ▶ **Upgrades in the Lovely Area include the Replacement of:**
  - Existing Mainline, Meters, Service Line, Valves & Hydrants
- ▶ **Budget:** \$1,200,000
- ▶ **Funding:** Appalachian Regional Commission (ARC)
- ▶ **Status:**
  - Project is complete with the exception of installing a ladder in the master meter vault. Contractor is awaiting delivery of this ladder.



# Contracts 113-19-05 & 113-19-06

## USP Big Sandy, Eastern Kentucky Business Park & Big Sandy Airport Water Improvements

### ► Upgrades Include:

- Construction of 250,000 Gallon Water Storage Tank, New 400 GPM Pump Station and telemetry
- Upgrade of the Existing Davella Pump Station
- Master Meter & Booster Chlorination

### ► Budget: \$2,000,000

### ► Funding: Abandoned Mine Lands 2018 NEXUS

### ► Status:

- At the request of the Martin County Water District, design of the project has been temporarily halted.





# Contracts 113-20-02 and 113-20-03 Hunters Ln. & Rockhouse Creek Utility Relocations

## ▶ Upgrades Include:

- Relocation of existing waterline to facilitate construction of two new bridges for the KYTC Bridging Kentucky Program

## ▶ Budget: To Be Determined

## ▶ Funding: KYTC

## ▶ Status:

- Developing project scope with Bizzack Construction and Alliance Resources. Construction scheduled for the 2021/2022 budget cycle.



**BRIDGING  
KENTUCKY**  
Restore | Renew | Replace

# KY 908 Guardrail Project

## ▶ Upgrades Include:

- Relocation of existing 14” waterline along Route 908 to facilitate installation of new guardrail.

## ▶ Budget: To Be Determined

## ▶ Funding: KYTC

## ▶ Status:

- Awaiting additional directive from KYTC.



# IMMEDIATE NEEDS LIST FOR MARTIN COUNTY

- ▶ AMI/AMR METER READING SYSTEM
- ▶ **GENERATORS FOR ALL CRITICAL INFRASTRUCTURE - FEMA GRANT APPROVED**
- ▶ PUMP REDUNDENCY
- ▶ SCADA AND TELEMETRY UPGRADES FOR PLANT AND REMOTE SITES
- ▶ WATER LINE REPLACEMENT AT MULTIPLE LOCATIONS
- ▶ HIGH SERVICE PUMP REPAIRS/UPGRADES IN PLANT
- ▶ **EQUIPMENT AND TRANSPORTATION**
- ▶ INEZ WWTP REHABILITATION
- ▶ SAVE-A-LOT LIFT STATION REHABILITATION

**Martin County Water and Wastewater Projects**

<b>No.</b>	<b>WRIS</b>	<b>Project Description</b>	<b>Amount</b>
1	WX21159013	Meter Replacement	\$ 1,716,000.00
2		Fixed/Portable Generator Project for RWI, 40E & 40W Booster Stations 60 HP Motor Duplex Stations	\$ 429,000.00
3		Telemetry/booster station upgrade at Route 292	\$ 358,000.00
4	WX21159009	SCADA upgrade at WTP with VTScada and Allen Bradley PLC's/System wide Telemetry upgrade, plant equipment/online turbidity meters, CL17, online fluoride meter bench top meter and high service pump VFD replacement	\$ 1,324,000.00
5	WX21159020	Water line replacement at City of Inez, Blacklog Road Line Replacement from Turkey Creek 40E Booser Station, WTP to Turkey Creek, Old Route 3 from Inez to Milo, Coldwater Line Replacement	\$ 36,428,000.00
6		Inez Sewer Line Replacement/lining/smoke testing	\$ 14,915,000.00
7		WTP High Service Pump Replacement	\$ 750,000.00
		<b>TOTAL</b>	<b>\$ 55,920,000.00</b>





Questions?