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Water Committee  
AGENDA  
March 8, 2023  
8:30 a.m.

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Note: This meeting will take place in the Administrative Conference Room located at 140 Stonewall Avenue, Suite 100, Fayetteville, Georgia 30214.

Call to Order

1. Acceptance of Agenda
2. Approval of Minutes from the February 8, 2023 meeting
3. System Updates
4. Director's Report
5. Public Comment

Water Committee  
Minutes  
February 8, 2023  
8:30 a.m.

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Committee Members Present: Bryan Keller, Chairman  
Vanessa Tigert, Vice-Chair  
Steve Rapson, County Administrator  
Jeff Hill, Fire Chief  
Bill Holland  
Jim Poff

Committee Non-Voting Members: Dennis Davenport, County Attorney  
Travis Thomas, Arcadis

Staff Present: Susan Lee, Carrie Gibby, Russell Ray, John Caldwell,  
Lindsey Choisnet

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Call To Order

The meeting was called to order by Chairman Bryan Keller at 8:30 a.m.

Acceptance of Agenda

Vanessa Tigert moved to accept the agenda as written. Jeff Hill seconded. The motion passed unanimously.

1. Approval of Minutes from the January 11, 2023 meeting  
**Jeff Hill made the motion and Bill Holland seconded to approve the minutes from the meeting on January 11, 2023. The motion passed unanimously.**

2. System Updates

Russell Ray updated that the Hoseless Sludge Collector project is moving along nicely; substantial completion is projected for the end of March. Susan Lee added that we received data comparing the old Trac-Vac system to the Cable-Vac system. At the South Fayette plant, basins one and two have the new Cable-Vac system installed and running, while the old Trac-Vac system is still running on basins three and four. Arcadis helped organize a study measuring the volume of sludge removed over one week. The Trac-Vac run lasts 118 minutes and removes about 199 gallons of water per minute. That system was able to remove 513 pounds of solids and 93,000 gallons of water for the week. The new Cable-Vac system was able to remove 627 pounds of solids and 45,000 gallons of water. This is a substantial amount of water that we're not sending out through the waste process, which improves the efficiency of the water treatment process.

Mr. Ray explained we are moving forward with a contract to perform an analysis of our production flow meters. Also, all four of our elevated storage tanks are scheduled for cleaning, which will get done before the production flow tests.

Carrie Gibby added that our annual Water Loss Audit is due March 1<sup>st</sup>, which will alert us to things we need to consider for improvements. Flow-accuracy testing was identified in last year's audit.

Ms. Gibby advised that we are looking to hire a Water Plant Maintenance Manager; someone who is organized, possesses leadership and mechanical skills. If anybody comes to mind, please share our information.

John Caldwell added to what Mr. Ray spoke on – our first tank was cleaned out and inspected yesterday. We'll receive a report on the inspection soon.

3. Director's Report

Vanessa Tigert thanked our Committee members for the time they take being at these meetings, especially our volunteers.

We are in the midst of contract negotiations with Badger Meter. The finalized contract should be on the Agenda for approval at the first Board of Commissioner's meeting in March.

4. Public Comment

**Bryan Keller made the motion and Vanessa Tigert seconded to adjourn the Water Committee meeting on February 8, 2023. The motion passed unanimously.**

The February 8, 2023 Water Committee meeting adjourned at 8:44 a.m.

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Bryan D. Keller, Chairman

The foregoing minutes were approved at the regular Water Committee meeting on the \_\_\_\_\_ day of \_\_\_\_\_, 2022.

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Lindsey Choisnet, Water Committee Clerk

TOP 15 CUSTOMERS  
JANUARY 2023



CUSTOMER #	CUSTOMER NAME	SERVICE LOCATION	TOTAL USAGE	TOTAL REVENUE
10836	CITY OF FAYETTEVILLE	WHOLESALE	17,098,248	\$45,852.32
552	PIEDMONT HEALTHCARE	2 SERVICES	2,142,876	\$6,990.79
12877	HOSHIZAKI AMERICA	618 S HWY 74	1,792,330	\$5,835.43
25487	UNIVERSAL ENVIRONMENTAL SERVICES	3 SERVICES	1,424,726	\$4,683.66
106915	VR BALMORAL HOLDING LP	450 S PEACHTREE PKW	1,286,420	\$4,201.34
29362	SUMMIT PROPERTIES	MERRICK DR/MCDUFF PKW	1,269,670	\$4,212.26
129317	DDRTC FAYETTE PAVILION III & IV LLC	HWY 85/HWY 314	1,269,302	\$4,457.44
142435	VR KEDRON LIMITED PARTNERSHIP	100 HYACINTH LN	1,252,990	\$4,093.36
98774	MASTERMIND INVESTMENTS	794 HWY 279	1,242,092	\$5,452.55
126515	RETREAT AT PTC APARTMENTS	1600 BARBERRY LN	1,152,720	\$3,823.60
135354	PEACHTREE CITY OWNER LLC	1000 STEVENS ENTRY	1,107,962	\$3,619.15
129264	CCC-PWF LLC	5 SERVICES	1,067,914	\$3,709.52
12604	TWIGGS CORNER CONDOMINIUMS	200 TWIGGS CORNER	909,800	\$2,979.08
96235	PINEWOOD ATLANTA	5 SERVICES	900,078	\$3,105.58
135355	BRAELINN APARTMENT OWNERS LLC	100 PEACHTREE STATION	878,380	\$2,883.37
<b>GRAND TOTAL:</b>			<b>34,795,508</b>	<b>\$105,899.45</b>

# AMI Project Contract Approval

Board of Commissioners  
March 9, 2023

## Progress Since August 25th BOC briefing

- Contract development is complete and ready for BOC approval
- Minor adjustments to costs between categories but bottom line remained the same



Contract development involved twenty internal discussions and meetings with Badger Meter.

## **AMI Contract Documents:**

1. Agreement
2. Fayette County General Terms & Conditions
  - Exhibit 1 - Schedule of Values
  - Exhibit 2 - Product Warranties
3. Badger Meter Beacon Software-as-a-Service Managed Solution Master Agreement
4. Statement of Work

## **County Representatives involved in Contract Development:**

- Steve Rapson - County Administrator
- Dennis Davenport – County Attorney
- Ted Burgess – Purchasing Director
- Vanessa Tigert – FCWS Director
- FCWS Functional Leads
- Arcadis

# Final Capital Cost

Item	Total Capital Cost (Cash)			TOTAL
	FY 2023	FY 2024	FY 2025	
AMI Vendor Project Implementation Services	\$297,945	\$0	\$0	\$297,945
Installation Project Management Services	\$142,984	\$272,280	\$136,139	\$551,403
Meter Installation Labor (Includes RTU Allowance)	\$60,356	\$2,081,223	\$699,330	\$2,840,909
Meter Equipment and Appurtenances	\$151,670	\$5,497,550	\$2,793,300	\$8,442,520
Bonding	\$26,710	\$26,709	\$26,709	\$80,128
Professional Services Oversight (EOR) <sup>1</sup>	\$198,709	\$150,000	\$100,000	\$448,709
Contingency	\$0	\$250,000	\$250,000	\$500,000
<b>TOTAL<sup>2</sup></b>	<b>\$878,374</b>	<b>\$8,277,762</b>	<b>\$4,005,478</b>	<b>\$13,161,614</b>

<sup>1</sup>Arcadis contract \$448,709

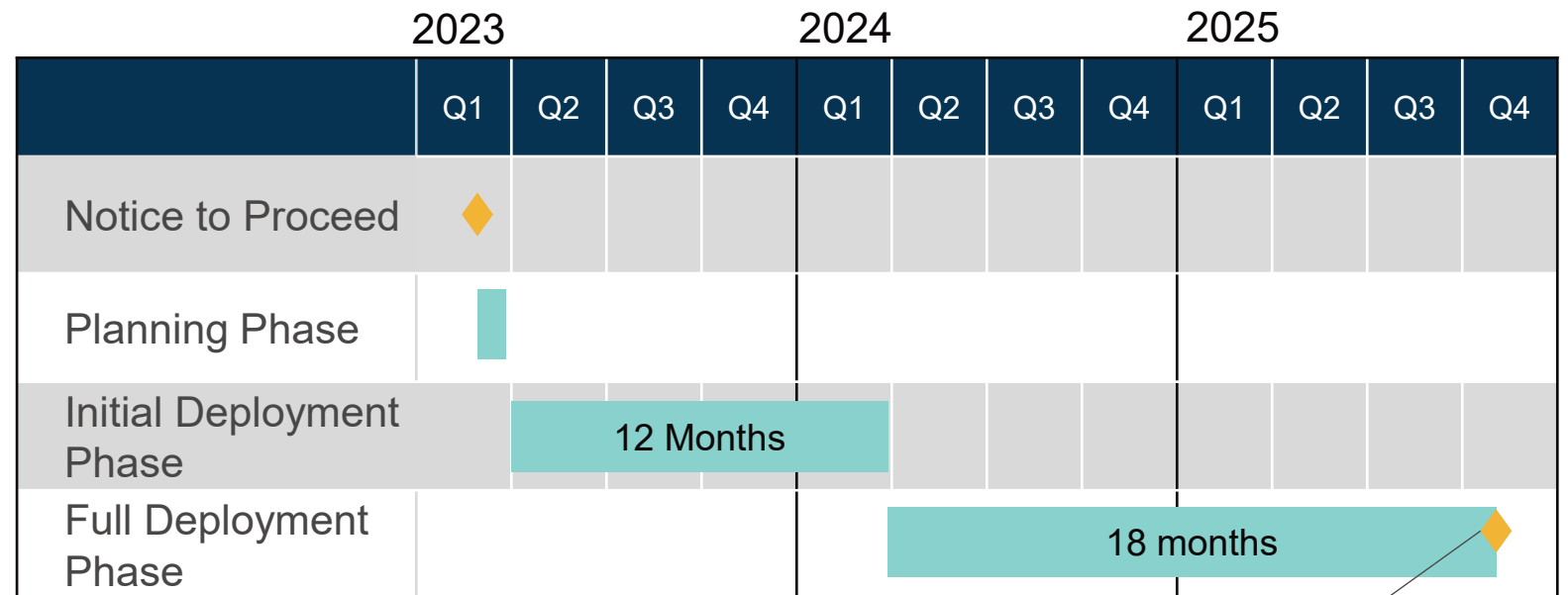
<sup>2</sup>Badger Meter, Inc. contract \$12,712,905

The total capital cost dollar amount is \$514,488 lower than the August 25 BOC meeting presentation.

# High-Level Project Timeline

## Near-term Next Steps

1. Preconstruction Meeting
2. Kickoff Meeting
3. Order Initial Deployment Equipment
4. Initial Deployment Area (500 meters) & Software Integration



Final Solution Acceptance  
October 2025



The  
**Utility  
Management**  
Conference™

AWWA | WEF



Preparing for AMI: Organizational Preparedness  
and Workforce Development Perspectives

James Munster & Aaron Capelouto, PE



# Today's Agenda

- I. Introduction to Today's Presenters
- II. Fayette County, GA and Fayette County Water System (FCWS) Overview
- III. FCWS AMI Procurement Process Summary
- IV. Project Current Status
- V. Existing Business Process Maps and AMI's Impacts
- VI. AMI's Impacts on FCWS' Workforce
- VII. Workforce Challenges and Mitigation Strategies
- VIII. Q&A





# Project Phasing Strategy

## Phase 1 Scope – Initial Deployment

- 500 meters with an initial system acceptance (within 12 months)
- Initial deployment area will be spread throughout the eight FCWS reading cycles
- All software installed and interfaces completed
- Initial deployment training program completed for test group

## Phase 2 – Full Deployment

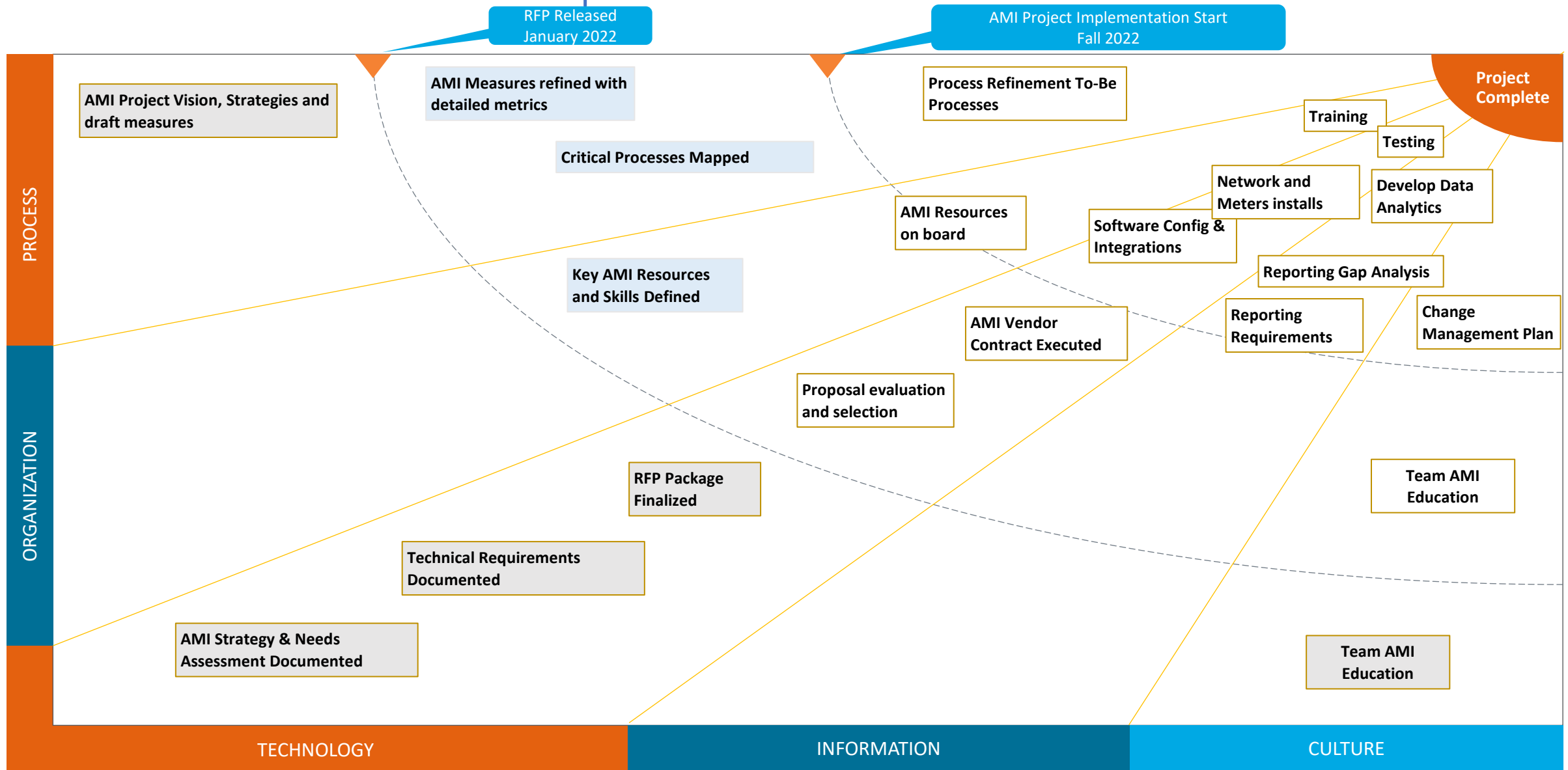
- Full deployment of the remaining meter population concluding with a final system acceptance
- 18 months (or less) following initial system acceptance
- AMI Data Analytics

**FCWS AMI project is partially funding through County ARPA funds. Anticipate ARPA Funding from State of Georgia.**

**Project must conclude before the end of 2026.**



# FCWS Transformation Map





# New Roles / Responsibilities with AMI

- **AMI Administrator**
  - Works closely with the AMI technology provider
  - Performs AMI operations tasks
    - Initiates two-way AMI commands like on demand read, read interval configuration, firmware update, shutoff (future)
    - Facilitates problem resolution
  - Coordinates with Field operations (RMAs, alarm response)
  - Understands the data
  - Supports Customer Service with handling customer issues
  - Supports Billing Operations with billing activities
- **Analyst**
  - Understands the data
  - Analyzes data to support other departments



# Modifying Recruitment, Retention, and Training Programs

- Leverage local technical colleges → Plan early to coordinate career fair details and establish relationships with career services
- Become creative with focused programs of study (training can come later)
- Develop core competencies for certain job buckets (customer service, field operations, plant operations, etc.)
- Proactively leverage local networks (Georgia Water Wastewater Network, Georgia Association of Water Professionals)
- Engage actively on social media, especially LinkedIn



Service Delivery Areas

