Zero to 60 – FGUA’s Race to a Comprehensive Asset Management Program

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Why a Race?
FGUA Organizational Concept

History

The Florida Governmental Utility Authority was formed in 1999 through an interlocal agreement between Brevard, Lee, Polk and Sarasota counties. These four local governments desired to make the best use of their common responsibilities to acquire, own, improve, operate and maintain water and wastewater facilities.

By forming the FGUA, these counties used resource sharing to provide drinking and wastewater service to their citizens at a lower cost and with more local management. Since 1999, the counties making up the FGUA have changed. Today, the FGUA has over 80 systems in 14 counties across Florida. As of 2014, the FGUA provides service to over 100,000 customer connections.
FGUA Organizational Structure

- 6 Member Decision Making Board
- No Direct Employees
- Government Service Group – Contract System Manager
- US Water Services Corp. – Contract System Operator
- Pennington Law Firm – General Counsel
- Nabors Giblin Law Firm – Utility Counsel
System Management Structure

4 Regional Management Areas
- Central Area
- West Area
- South Area
- MacDill Air Force Base
Unique System Characteristics

- 90 Separate Operational Areas
- 58,500 Water Service Connections
- 52,800 Sewer Service Connections
- 92 Water Treatment Plants
- 27 Wastewater Treatment Plants
- 360 Lift Station South & West Areas
- 1500 Miles of Pipelines (estimated)
Unique System Characteristics
Unique System Characteristics

4.2 MGD WWTP

Small Package Plant
Unique System Characteristics

Both Stabilized and Growth Areas
Angus Valley Water System Map
PDF of a paper based system map
Palm Terrace Wastewater System Map – AutoCAD based, Received from the AUF Acquisition
Mad Hatter Water System Map

“Zoomed in” to Show Detail
So – Why the Race?

Asset Management Program

System Managers
FGUA’s GIS Centric Implementation Strategy

- ArcGIS Online Platform
- ArcGIS Desktop Solutions
- Cloud Based Server and Geodatabases
- ESRI Enterprise Advantage Program (EEAP)
- Local Government Information Model (LGIM)
- Pre-Configured Mobile Apps
- ESRI Training – Staff Engagement
- ESRI Partner Solutions for Asset Management & Customer Service
FGUA’s Organizational Implementation Strategy

- Adjust Work Flows
- Create Needed Tools
- GIS Centric Organization
- Engage Staff
- Train Staff
FGUA’s Organizational Implementation Strategy

- AGOL Platform
- Focus Group
- Mobile Apps
- Tablets for Field
- Personal Training
- ESRI Training Programs
Phased and Incremental Approach

- Data Entry 3 Year Phased Project
- Initial Data Entry From Facility Mapping
- Basic Spatial Asset Data
- Used Imagery to Improve Accuracy
Use of Imagery For Spatial Relationships
Where We Are At in the Race

FY 2015
- West Area Asset Data Pilot Project
- Board Approval to Proceed With GIS Project

FY 2016
- GIS Online Portal Established
- GIS Server Spun-up In The Cloud
- South Area Asset Data Entry

FY 2017
- Tablet and Mobile Apps Launched for Field Crews
- Staff Training
- Central Area Asset Data Entry

FY 2018
- Select CMMS/Asset Management Platform – GIS Centric
- Integrate Operation Contractor
- Integrate Customer Service
FGUA’s Asset Management System

THIS

Not This
THANK YOU !