Issues Facing Water/Wastewater Utilities in Florida – GRU Perspective

Rae Hafer, PE Utility Engineer Gainesville Regional Utilities





Topics

- GRU Overview
- Water Supply Challenges
- Water Reuse & Water Quality
- Aging Infrastructure
- Irma Response

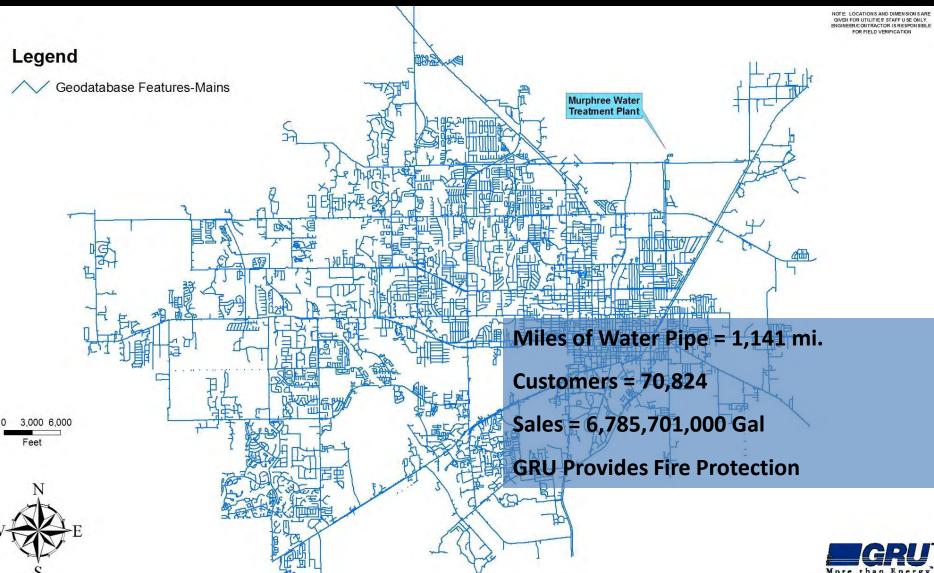


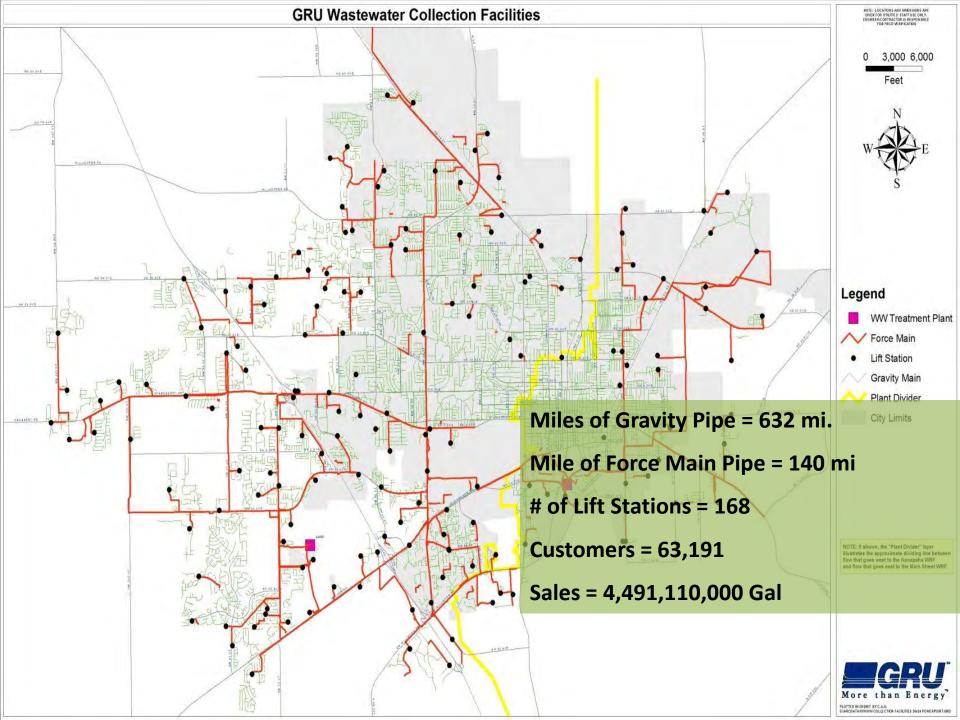
GRU Overview

- GRU Services
 - WaterElectric PowerInternet
 - Wastewater Natural Gas
- Owned by City of Gainesville
- Profits (General Fund Transfer) to City
 - Approximately 40% of City operating revenue
- Governed by City Commission

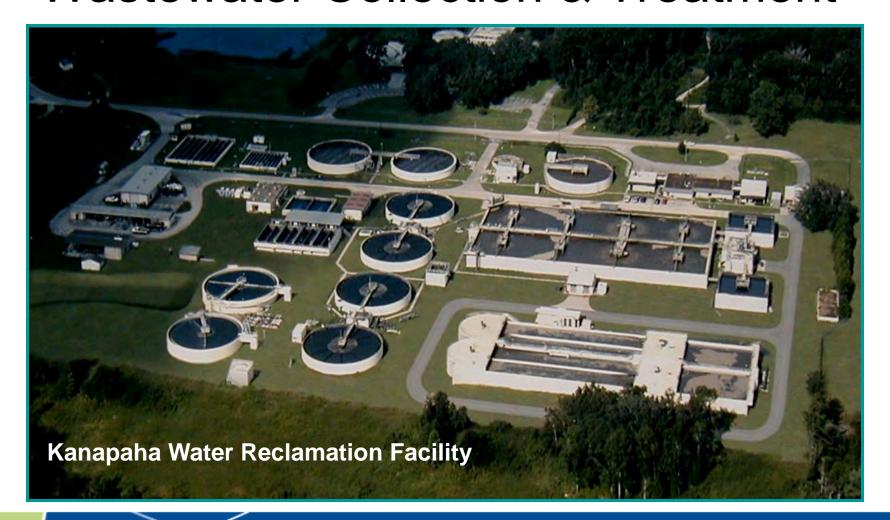
Water Supply: GRU Wellfield



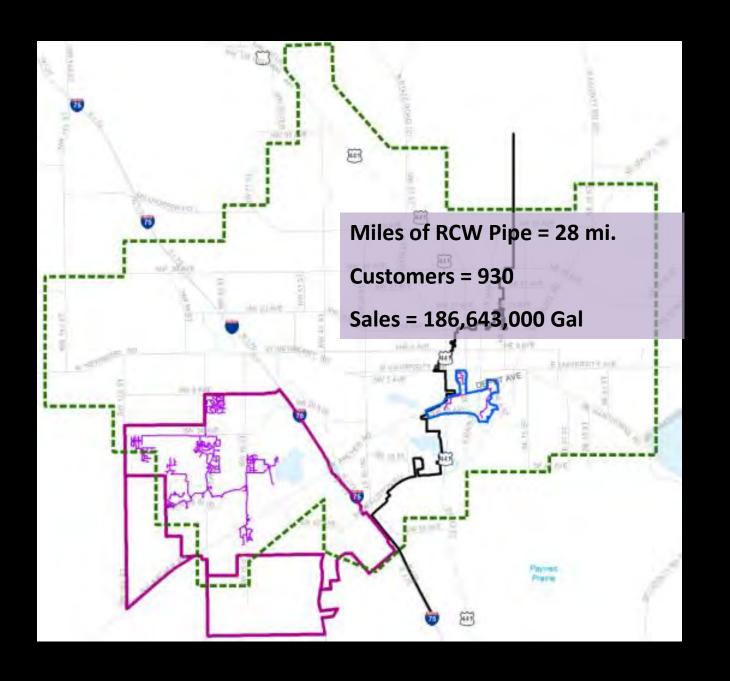




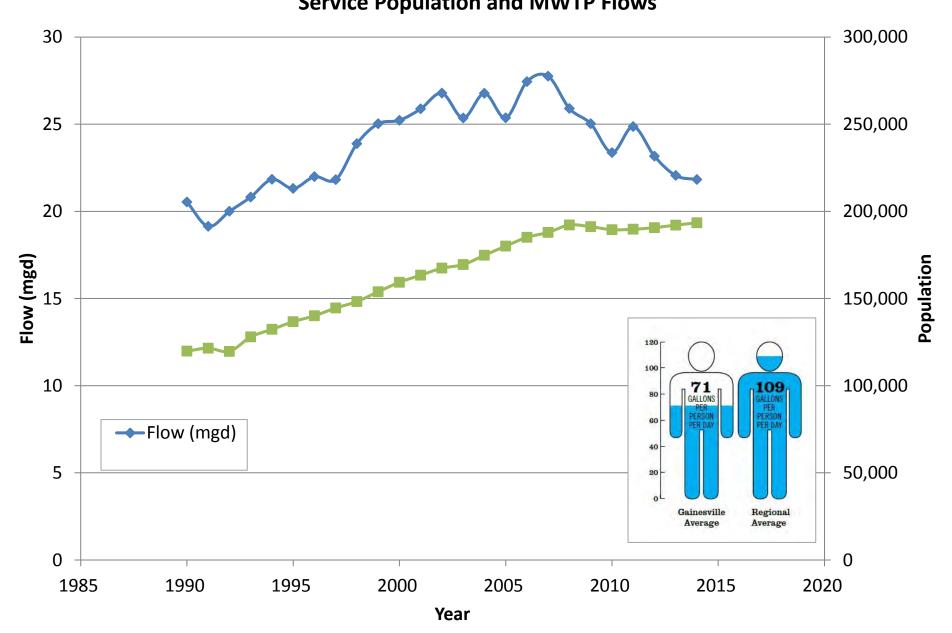
Wastewater Collection & Treatment







GRU Water System
Service Population and MWTP Flows



GRU Water Reuse Program

1. Irrigation & Cooling

- Reduce demand for groundwater
- Residential & golf course irrigation
- Industrial cooling
- 2. Aquifer Recharge
- 3. Environmental Restoration

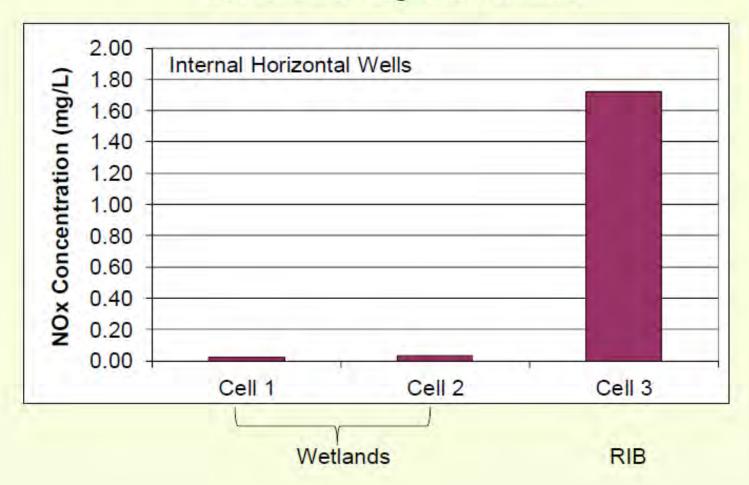


Aquifer Recharge

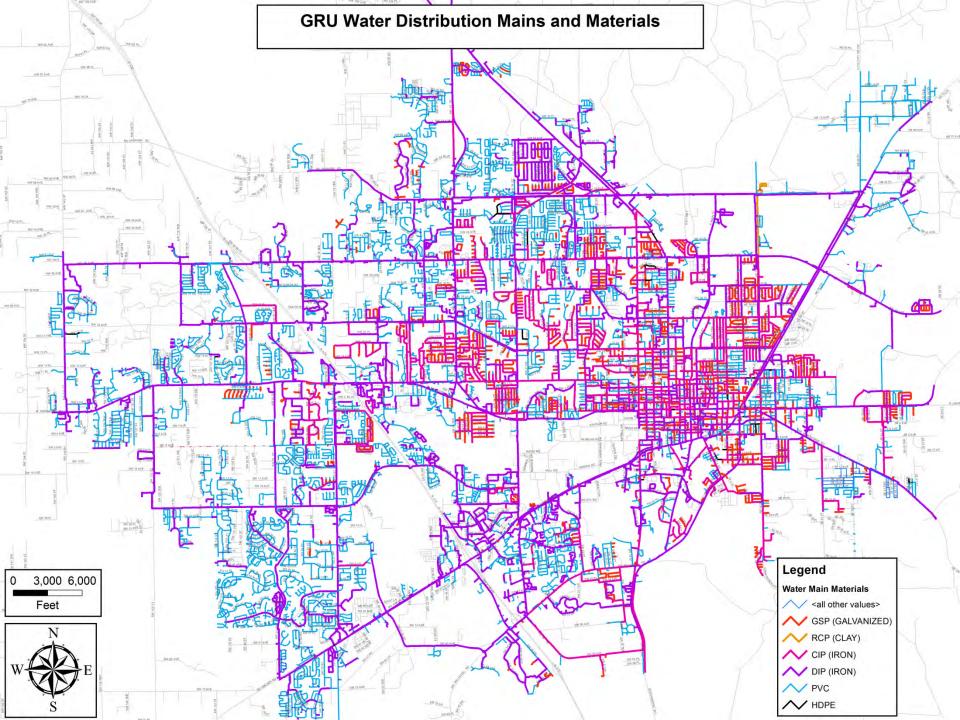


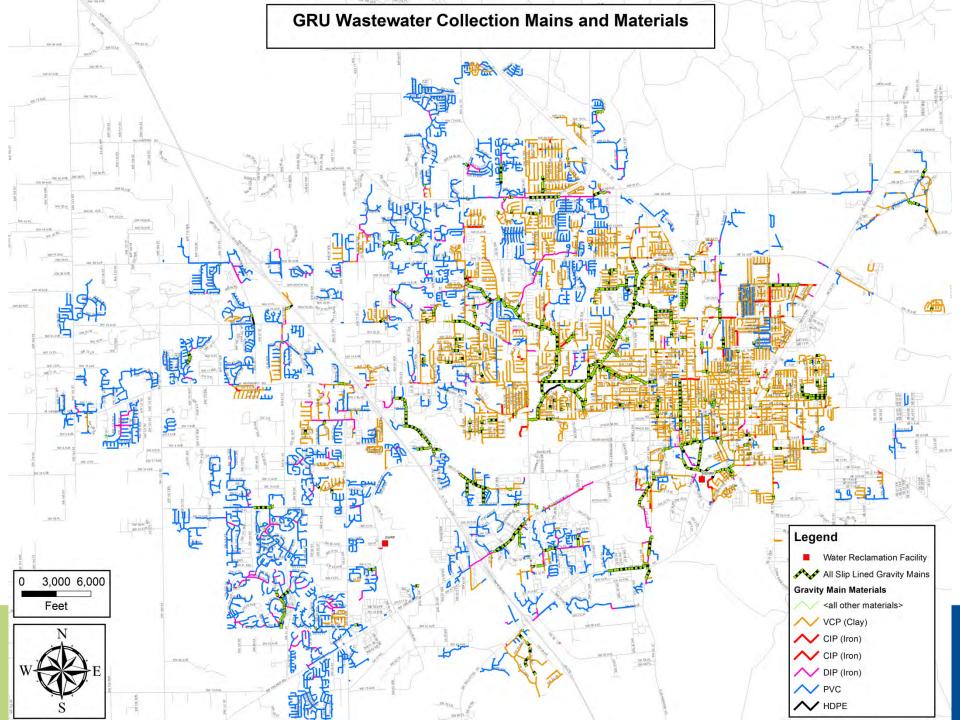


Kanapaha Water Reclamation Facility Groundwater Recharge Wetland Gainesville Regional Utilities









Gainesville Regional Utility MSWRF / Duck Pond Basin

MH -3952-74







Hurricane Irma Response









Ongoing Efforts

- Significant investment in R&R and update of our systems
- Continuing to ramp up R&R of WW Collection & Water Distribution
 - Will need to ramp this up further
 - Inflow & Infiltration is "eating up" plant capacity
 - More comprehensive assessment coming





Questions?

Rae Hafer, PE Utility Engineer haferra@gru.com

