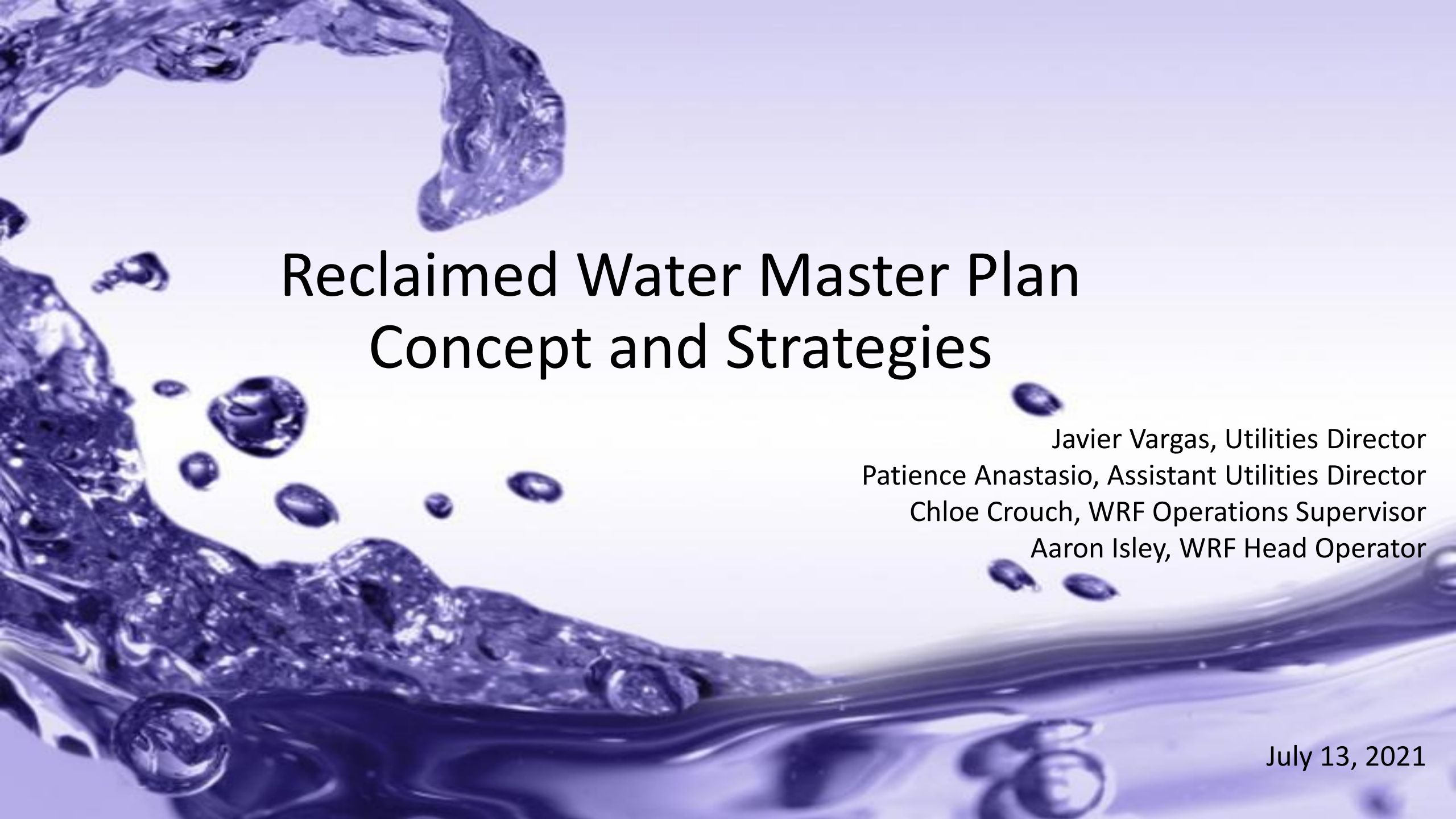


An abstract, high-speed photograph of water splashing and creating droplets, rendered in a monochromatic blue-purple color scheme. The water forms dynamic, organic shapes that frame the central text.

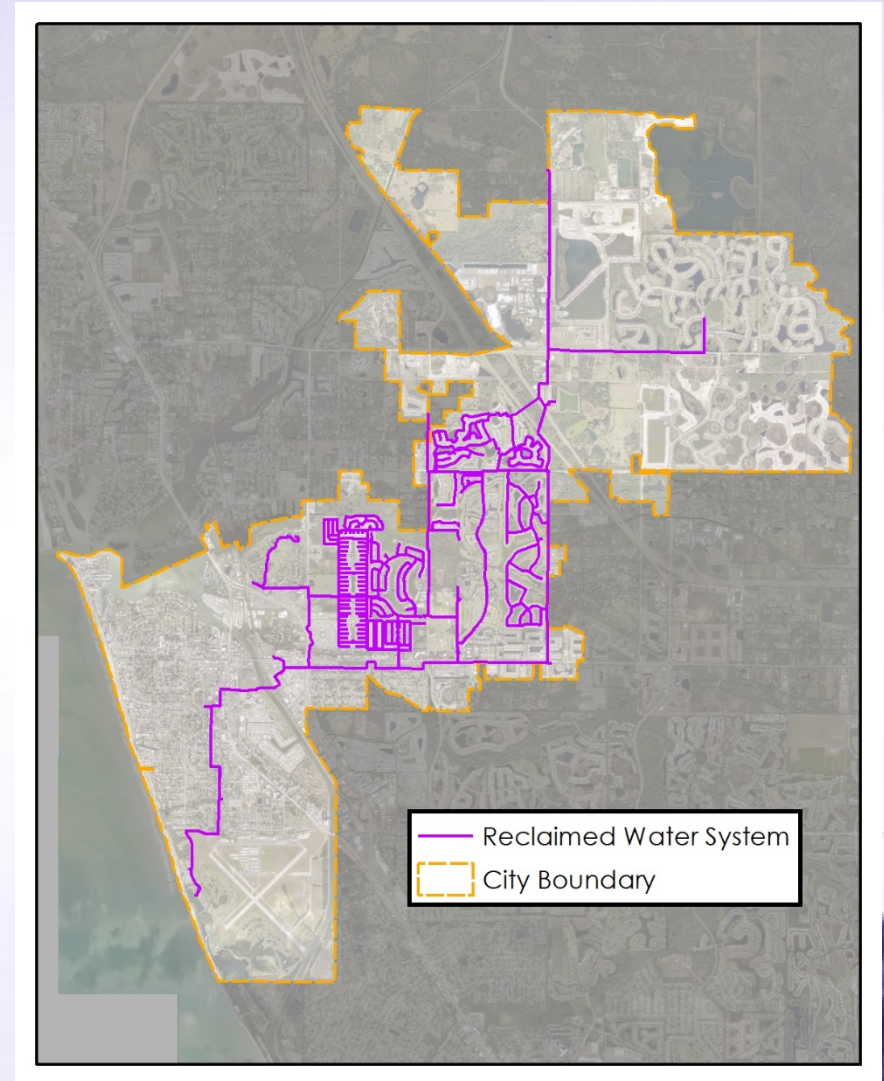
Reclaimed Water Master Plan Concept and Strategies

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Venice Reclaimed Water System

- 6 Bulk Users – Low pressure
 - Island Beach [Lake Venice Golf Club]
 - Bird Bay Golf Course [approx. 1,037 customers]
 - Capri Isles Golf Course [approx. 1,320 customers]
 - Venetian Golf & River Club [approx. 1,380 customers]
 - Sawgrass [approx. 560 customers]
 - Waterford [310 customers]
- Approx. 3000 Residential Users – High pressure
 - Bay Indies [1,311 customers]
 - Colonial Manor [140 customers]
 - Bridle Oaks [35 customers]
 - Willow Chase [147 customers]
 - Venetian Parkway [200 customers]
 - Windwood [90 customers]
- Total of approximately 6,400 residential customers combined



Supply vs. Demand

- No WRF effluent discharge to Curry Creek since 2017 (Harvey & Irma)
- 10-year average annual influent 3.092 MGD
- 10-year average annual beneficial reuse 2.499 MGD



Challenges & Opportunities

- Availability

the term "available" means that a functioning reclaimed water distribution main is located within 100 feet of the property to be serviced or, in the alternative, that it is cost effective for the city to extend a reclaimed water distribution main to within 100 feet of the subject property. Sec. 74-195 Code 1982, § 19-103

- Cost – Approximately \$9K-\$10K per residential connection
- Extend/Replace Existing System vs. Connect New Developments
Bay Indies (1,311 residences)
Estimated 5,000 new customers within the next 5-10 years
- Other Infrastructure Needs
Water & Sewer
ASR completion

Strategic Planning

- Reclaimed Water System Master Plan – A tool to strategically plan and implement future projects to meet goals and objectives as defined by Council
- Projected reclaimed water demands and potential sources of reclaimed water to meet these demands
- Aquifer Storage and Recovery System (2024-2025)
- Capital Improvement Program FY-2022 \$1.0M for Reclaimed Water Distribution System Expansion (includes Master Plan)