

Greater Pine Island Water Association Annual Meeting February 22, 2022



HIGHLIGHTS OF 2021

Emergency
Preparedness,
Physical
Improvements,
Rate Study
2022-2026

Emergency
Response Plan



Certification of Community Water System Risk and Resilience Assessment in Compliance with America's Water Infrastructure Act of 2018

Part (A): Community Water System Identification

Community Water System Name: Greater Pine Island Water Association

Community Water System Complete Mailing Address: 5281 Pine Island Rd. NW
Bokeelia, FL 33922

Public Water System Identification Number: 5360322

Population Served: 15,921

Part (B): Certification Date

Date of the certification: October 5, 2020

Part (C): Certification Statement

I, Laurie Adams

[Name of certifying official]

hereby certify that the community water system named under Part A, above, has *[select all that apply]*

conducted reviewed reviewed and revised

an assessment of the risks to, and resilience of, its system. This assessment included an assessment of:

1. The risk to the system from malevolent acts and natural hazards;
2. The resilience of the pipes and constructed conveyances, physical barriers, source water, water collection and intake, pretreatment, treatment, storage and distribution facilities, electronic, computer, or other automated systems (including the security of such systems) which are utilized by the system;
3. The monitoring practices of the system;
4. The financial infrastructure of the system;
5. The use, storage, or handling of various chemicals by the system; and
6. The operation and maintenance of the system; and
7. Optionally, may include an evaluation of capital and operational needs for risk and resilience management for the system.



Certification of Community Water System Emergency Response Plan in Compliance with America's Water Infrastructure Act of 2018

Part (A): Community Water System Identification

Community Water System Name: Greater Pine Island Water Association

Community Water System Complete Mailing Address: 5281 Pine Island Rd. NW
Bokeelia FL 33922

Public Water System Identification Number: 5360322

Population Served: 15,921

Part (B): Certification Date

Date of the certification: November 3, 2021

Part (C): Certification Statement

I, Laurie Adams

[Name of certifying official]

hereby certify that the community water system named under Part A has completed an emergency response plan that incorporates findings of the risk and resilience assessment conducted under Section 2013(a) of America's Water Infrastructure Act of 2018 for such system (and any revisions thereto). This emergency response plan includes:

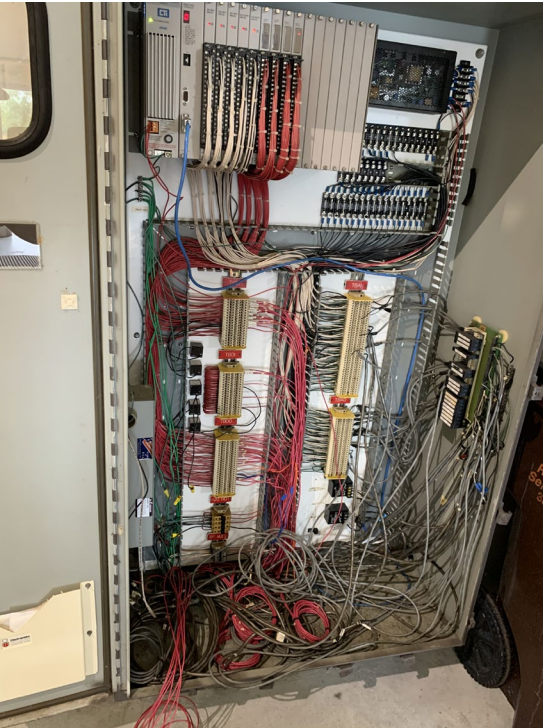
1. Strategies and resources to improve the resilience of the system, including the physical security and cybersecurity of the system;
2. Plans and procedures that can be implemented, and identification of equipment that can be utilized, in the event of a malevolent act or natural hazard that threatens the ability of the community water system to deliver safe drinking water;
3. Actions, procedures, and equipment which can obviate or significantly lessen the impact of a malevolent act or natural hazard on the public health and the safety and supply of drinking water provided to communities and individuals, including the development of alternative source water options, relocation of water intakes, and construction of flood protection barriers; and
4. Strategies that can be used to aid in the detection of malevolent acts or natural hazards that threaten the security or resilience of the system.



Surveillance



Instrumentation RO Plant – Permeate Blend Controls Consolidated



Raw Water Feed Panel



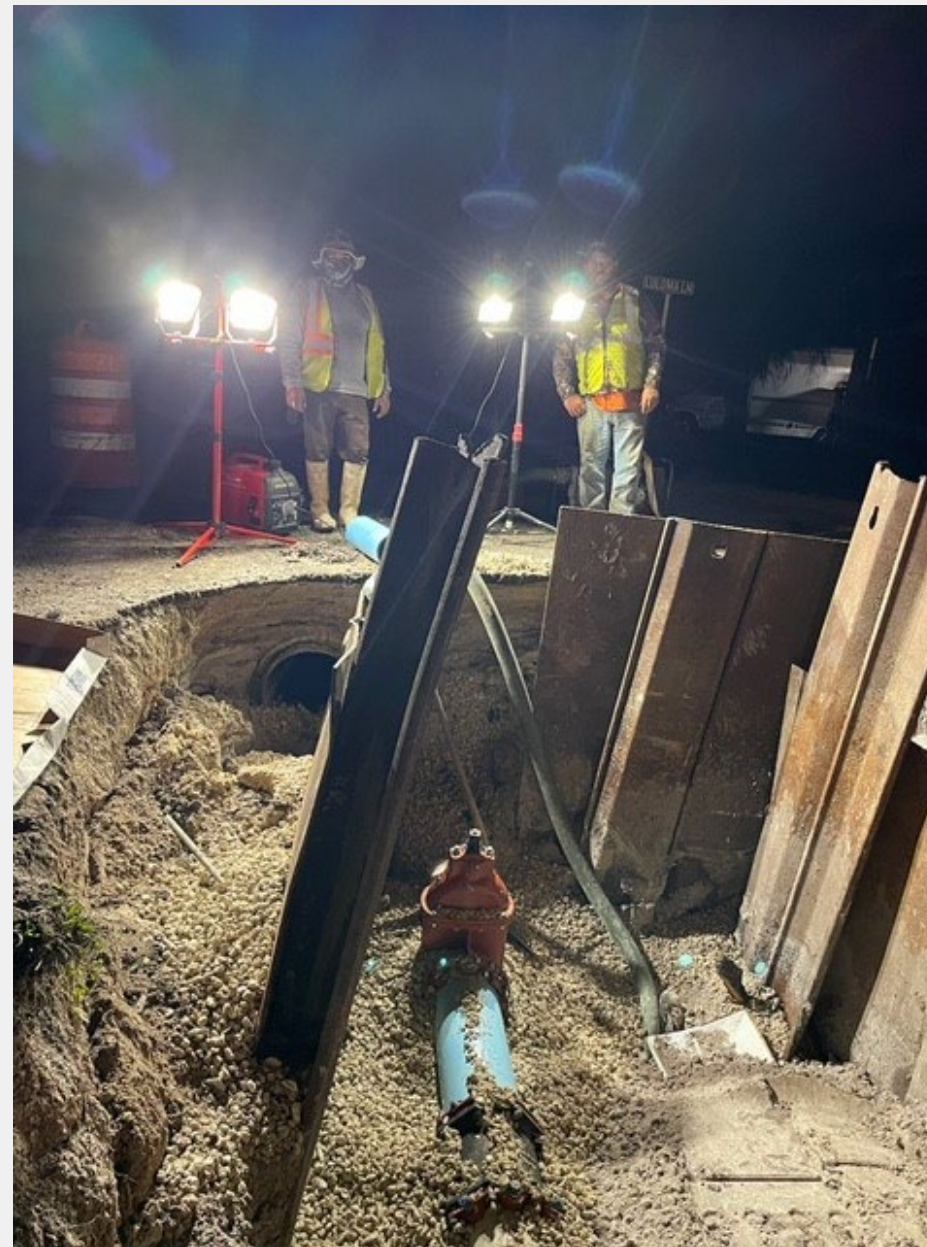
30 Fluorescent into 6 LED



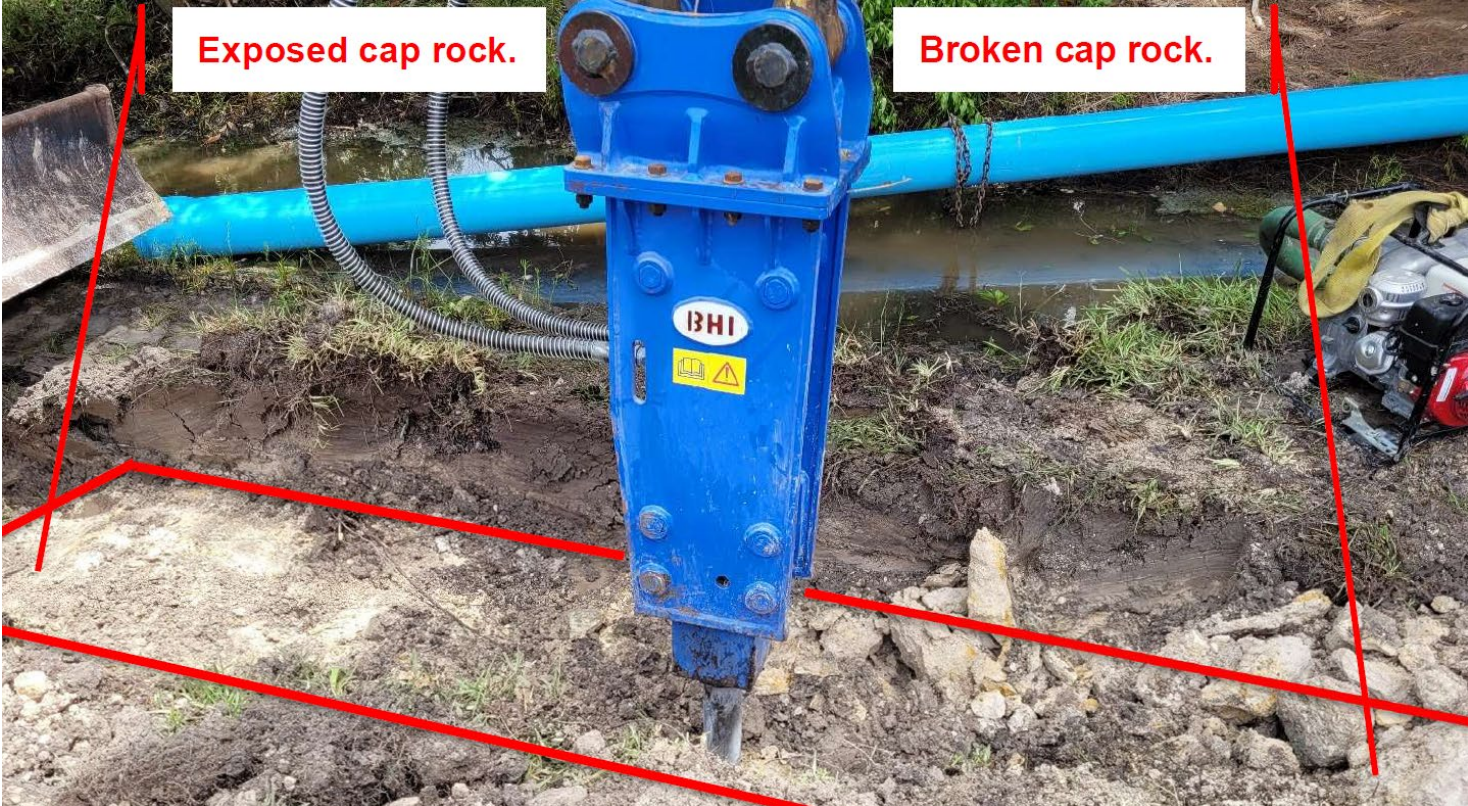
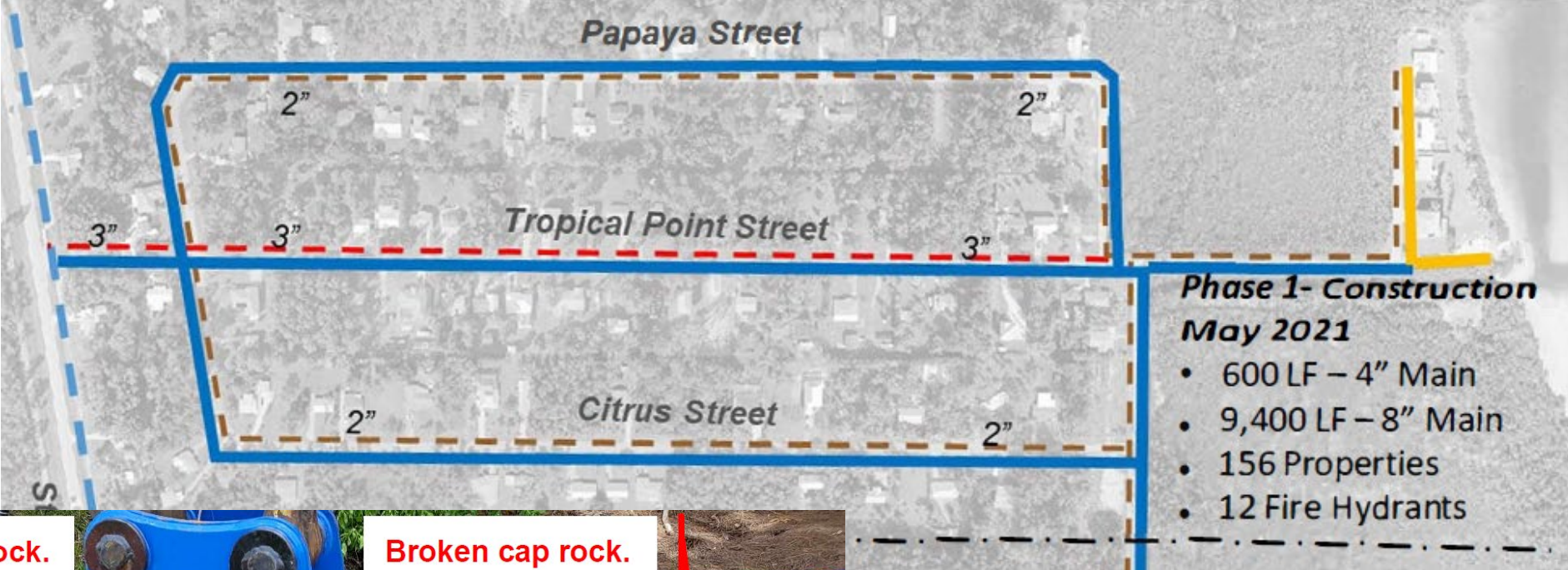
Scallop Pump Station



Infrastructure upgrades – Ave. A., 16 inch valve; Laloma Ln., 10 Inch valve



Phase 1 Fruit Streets Complete



10 Inch HDPE Pipe Fusing





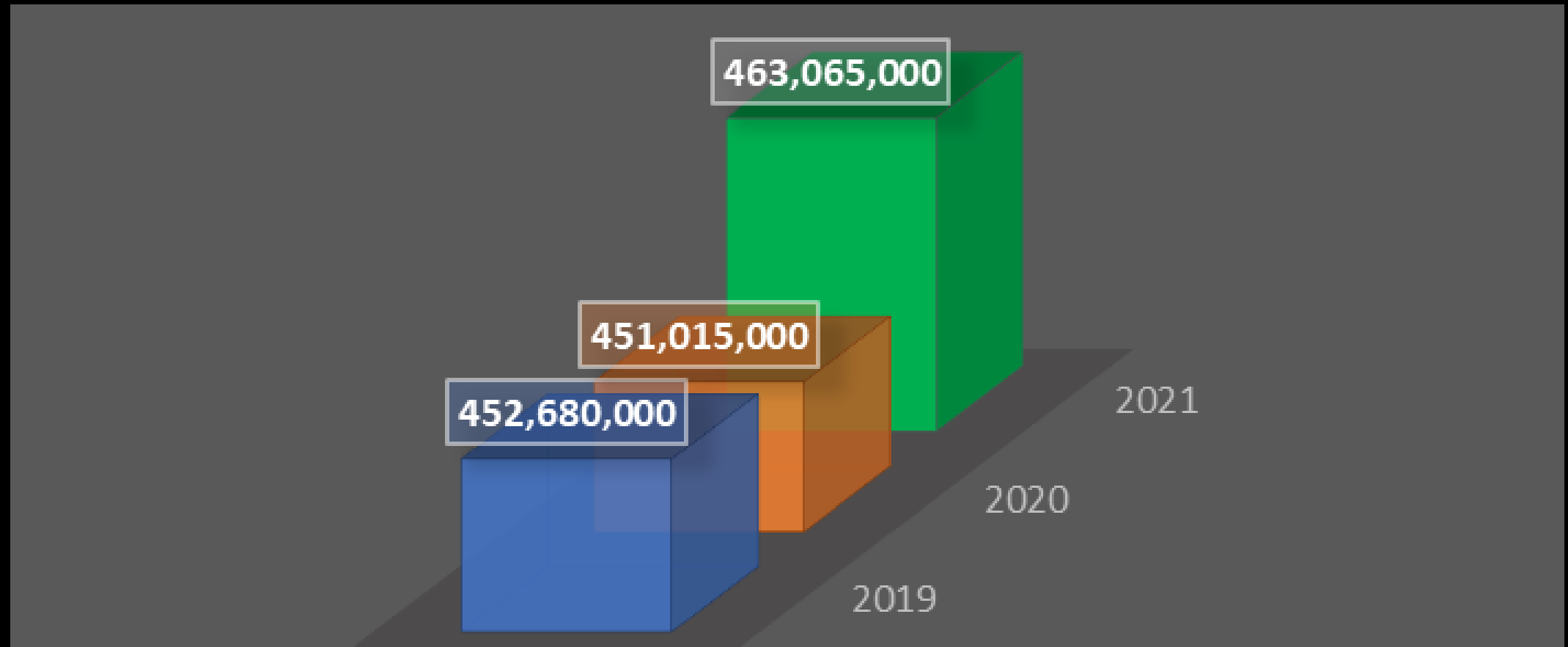
8 Inch PVC Directional Drill



Water Production

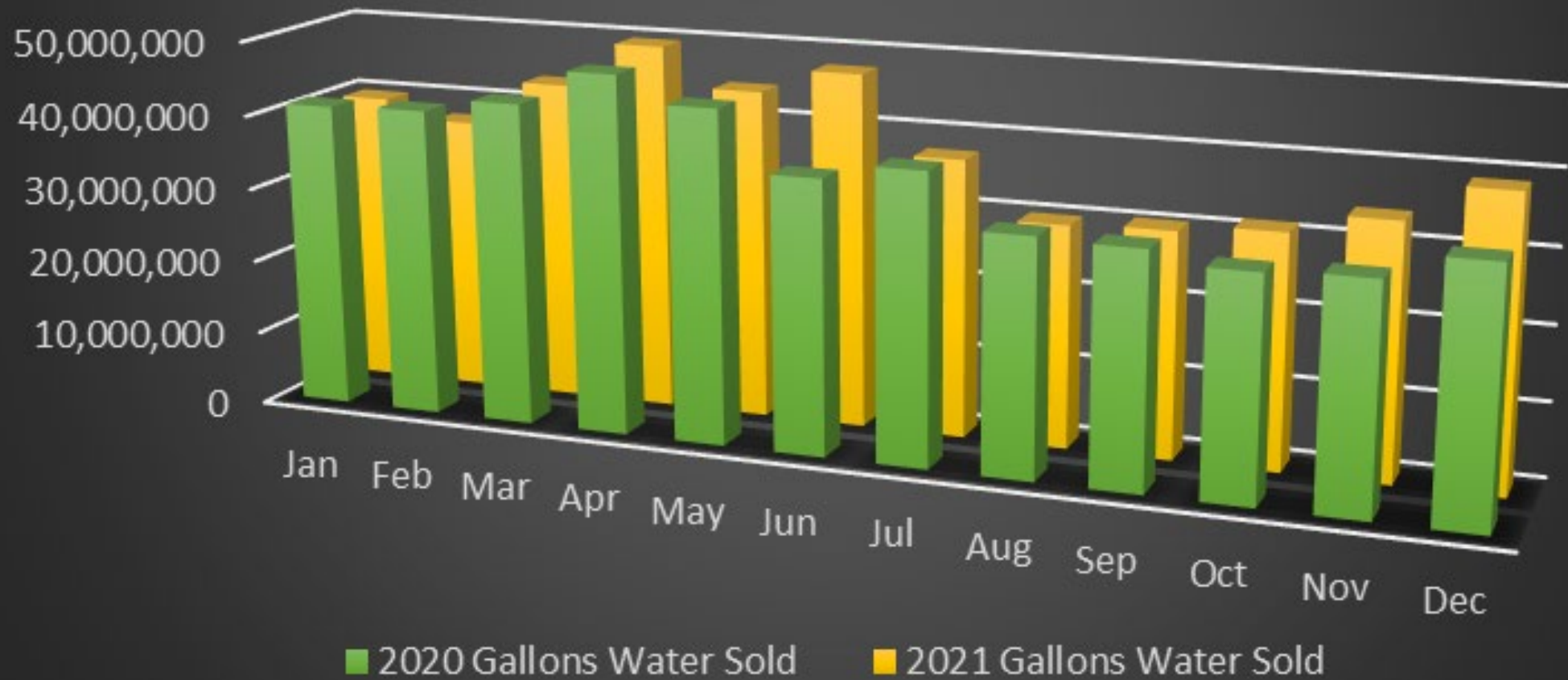


GALLONS WATER SOLD



■ 2019 ■ 2020 ■ 2021

Gallons Water Sold 2020 vs 2021

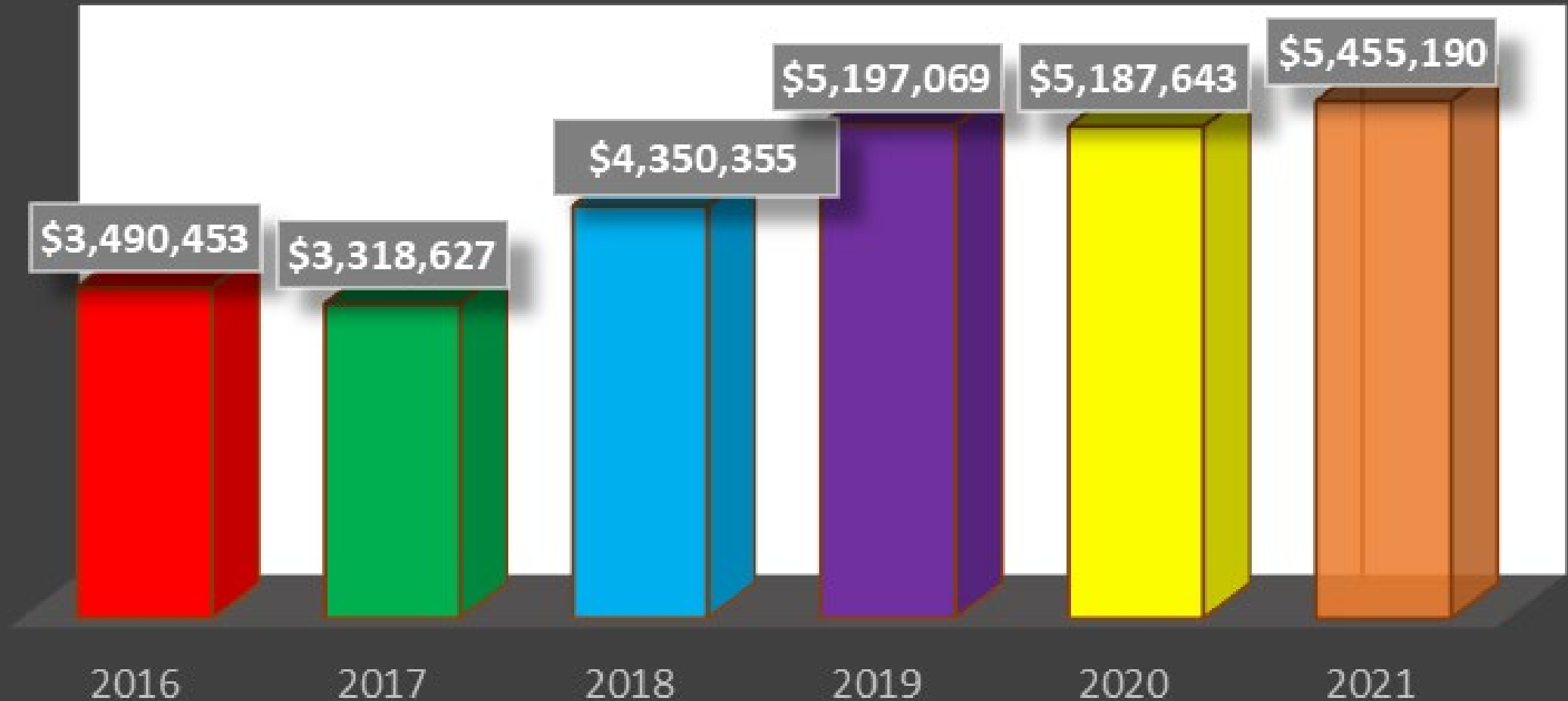


Rate Study Tasks 2022-2026

- Evaluate the adequacy of existing monthly service rates
- Update the financial forecast for recent changes to the plan based on current operating conditions for 2021 through 2026
- Develop a funding strategy to pay for capital needs of the system
- Maintain adequate cash reserve balances over the study period
- Project revenue requirements to be recovered from rates
- Evaluate debt service coverage compliance and adequacy of existing monthly rates for service
- **Ensure equity of fees and charges when considering new members and existing customers**
- Evaluate new member costs / new development fees
- Review private fire protection services
- Update the miscellaneous utility charges and fees



INSURED CASH SWEEP & CD BALANCES



Adopted Outcomes January 1, 2022

- **No change to Capital Charges**
- **No increase to water usage fee, membership fee**
- Increased and/or decreased various meter fees
- Updated Miscellaneous Fees
- Service Connection Fee - **New**
- Comprehensive Plan Review Fee - **New**
- Inspection – Fire Line Tap Fee - **New**
- Private Fire Protection Fee - **New**
- Meter Tampering / Unauthorized Connection - **New**
- Lien Search Requests - **New**

	2018 Actual	2019 Actual	2020 Actual	YTD 12/2021	2021 Adopted	2022 Adopted
Total O & M	\$2,451,071	\$2,434,086	\$2,525,950	\$2,690,458	\$2,773,360	\$2,886,296
Capital Projects Operating	215,248	684,991	625,540	443,556	685,000	685,545
Debt Service P&I	352,915	348,548	356,871	336,366	334,435	344,157
Total Expense	\$3,019,234	\$3,467,625	3,508,361	\$3,470,380	\$3,792,795	\$3,915,998
Total Revenue	\$4,487,264	\$4,583,541	\$4,648,148	\$4,653,479	\$4,508,121	\$4,980,816
Total Expense	\$3,019,234	\$3,467,625	\$3,508,361	\$3,470,380	\$3,792,795	\$3,915,998
Net	\$1,468,030	\$1,115,916	1,139,787	\$1,183,099	\$715,326	\$1,064,818
Reserve Fund Balance - ICS 0.20%			2,181,157	2,329,428	2,000,000	2,000,000
Restricted CDs - Maturities 9/22 & 11/23			3,006,486	3,014,040	3,000,000	3,000,000
			5,187,643	5,343,468	5,000,000	5,000,000
<u>Capital Infrastructure Improvements 2022</u>						
Phase 2 Fruit Streets Construction						1,031,724
Preliminary Design Coordination w/ FDOT Water Main Phase 3 PI Rd E.of Sandy Hook bridge to W. side PC Neighborhood of Matlacha Ave. & sidestreets						\$200,000
<u>2021 Capital Carryover Projects **</u>						
Phase 1 Fruit Streets Construction 2021 carryover			0	783,356	900,769	117,413
Record Drawings Phase 1 & 2 Fruit Streets						20,000
Vessel Replacement Train A & B					195,000	195,000
ROP HSP A&B					44,425	44,425
3-Clearwell Transfer Motors					14,550	14,550
Degas Valves					10,688	10,688
Rock Storage					4,000	4,000
Subtotal carryover expenses					\$1,169,432	\$406,076
Projected Reserve after Capital Funding w 2022 Net included					4,545,894	4,427,018
** YTD 2021 thru 12-31-21. Balance to carryover to complete projects in 2022						

2022 Projects & Goals

RO Plant Upgrades – Membrane Replacement Project for Train A (168 total). Secure parts including vessels for Trains A & B.

Design & construct automated bypass for Scallop Pump Station.

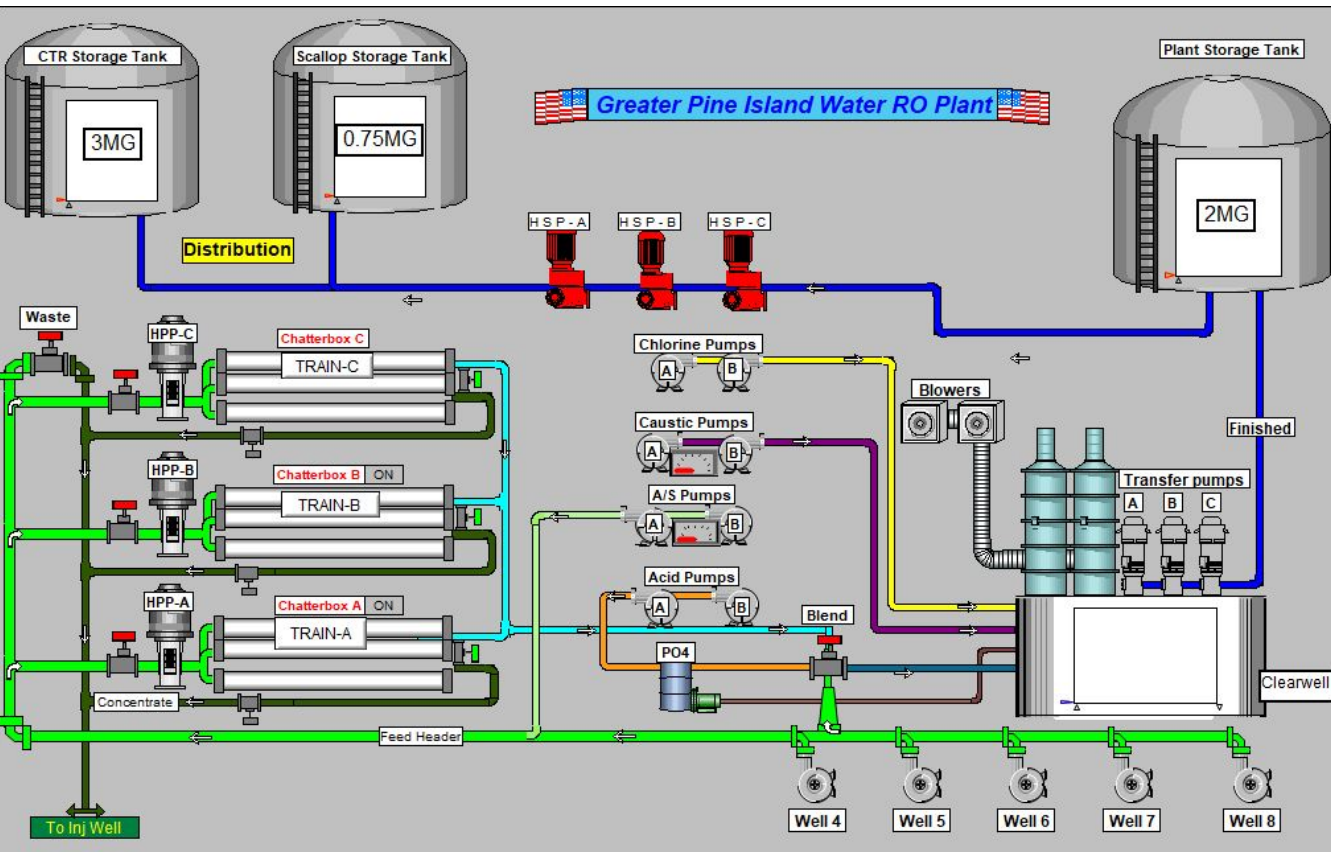
Year 3 Radio Read Water Meter conversion. Replace additional 1,400 Water Meters. Cumulative 2020 & 2021 Total 2,517 of 7,127 meters

Construction of Phase 2 Fruit Streets Infrastructure Upgrades for Water Mains, Services & Fire Hydrants

Continued Effort to Reduce Water Loss

Three Reverse Osmosis Trains

Train A – 2022 Membrane & Vessel Replacement



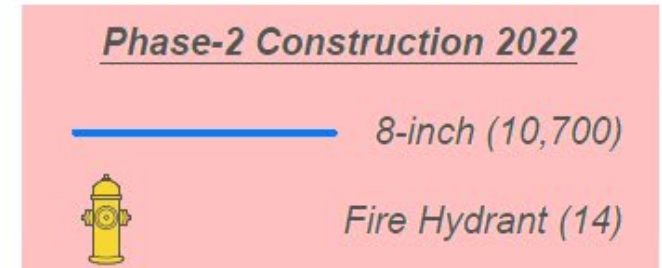
Scallop Pump Station Automatic Bypass – Progress in Stages



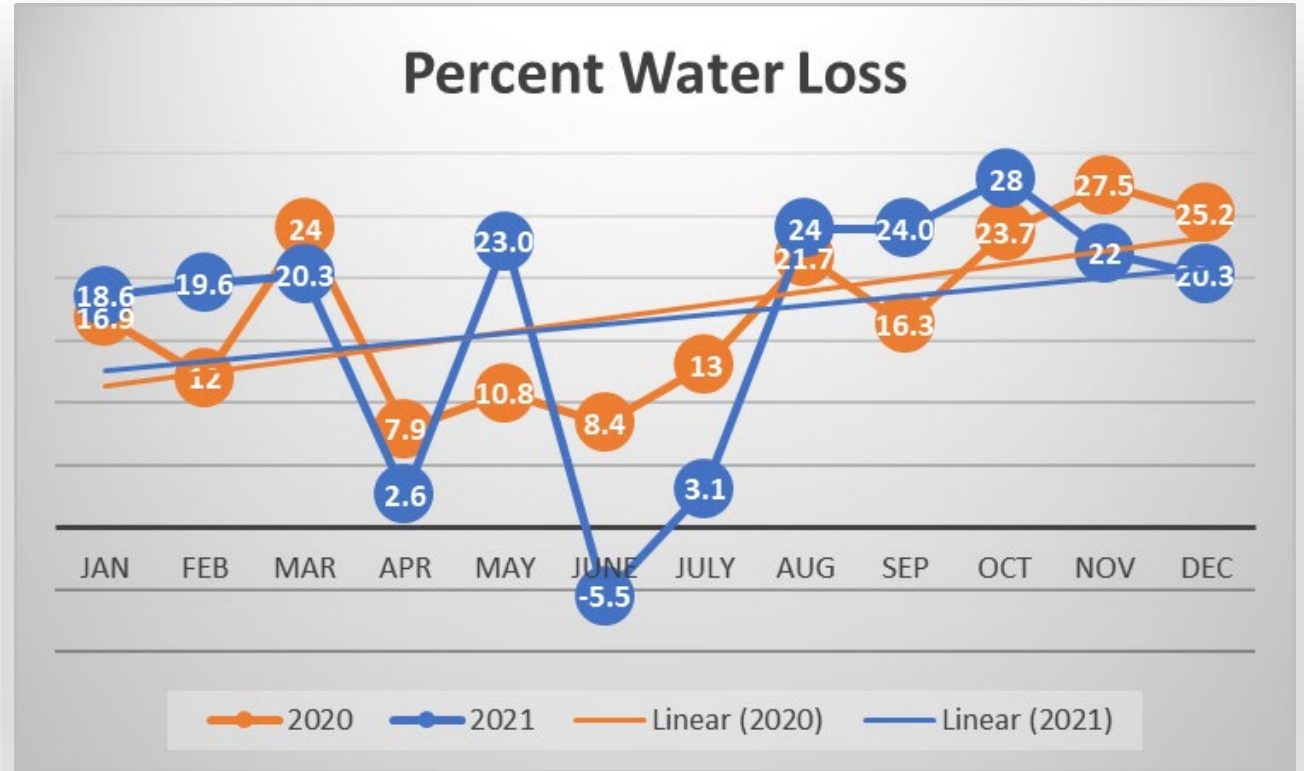


GREATER PINE ISLAND WATER ASSOCIATION

Fruit Streets Water Main Replacement Project



Water Loss Reduction Goal

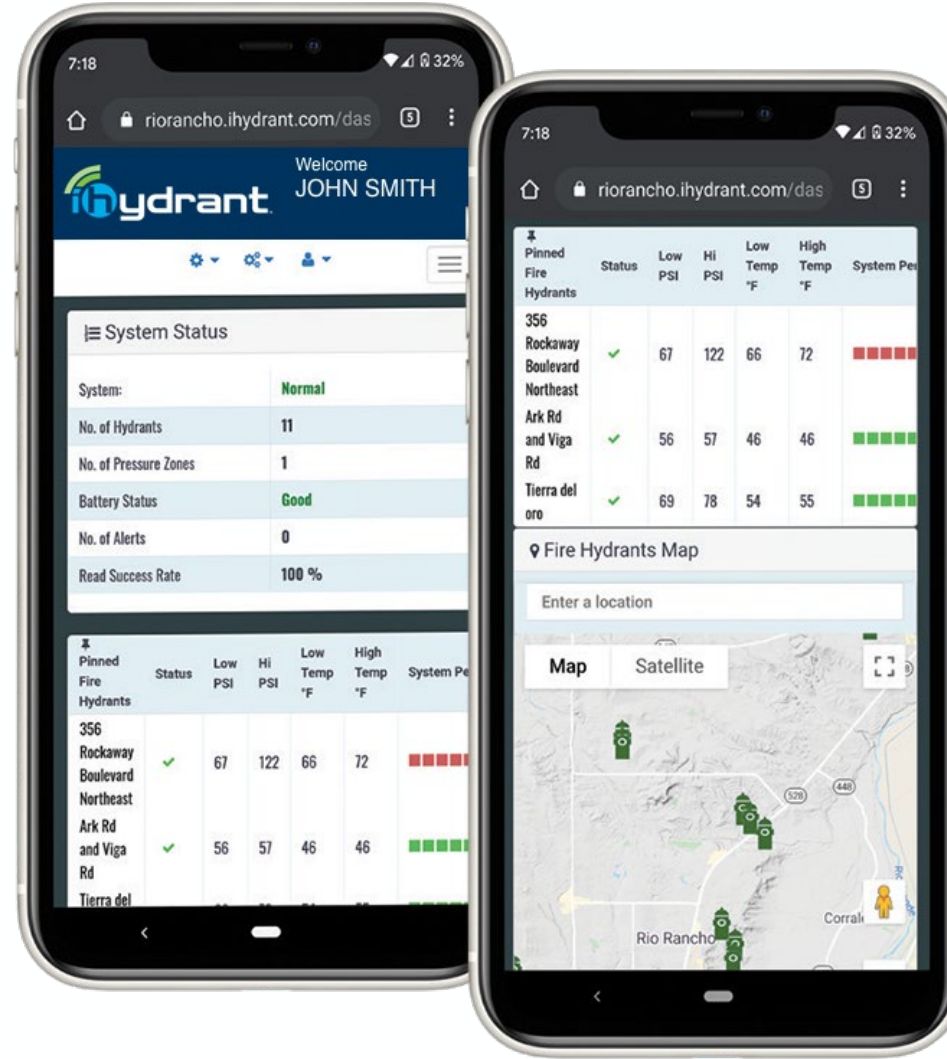


% Water Loss	Annual Average
2019	16.7
2020	17.3
2021	16.7



Pressure Sensing Smart Hydrants

- May give insight into what parts of distribution have more leaks
- Gives immediate notification of catastrophic to medium size main breaks, minimizing water loss





Questions, comments

