PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
March 31, 2021

REGULAR AGENDA
ITEM 2

Water Supply Security

Presenter - Mike Coates, Deputy Director

Recommended Action - **Status Report**. This item is presented for the Board's information and no action is required.

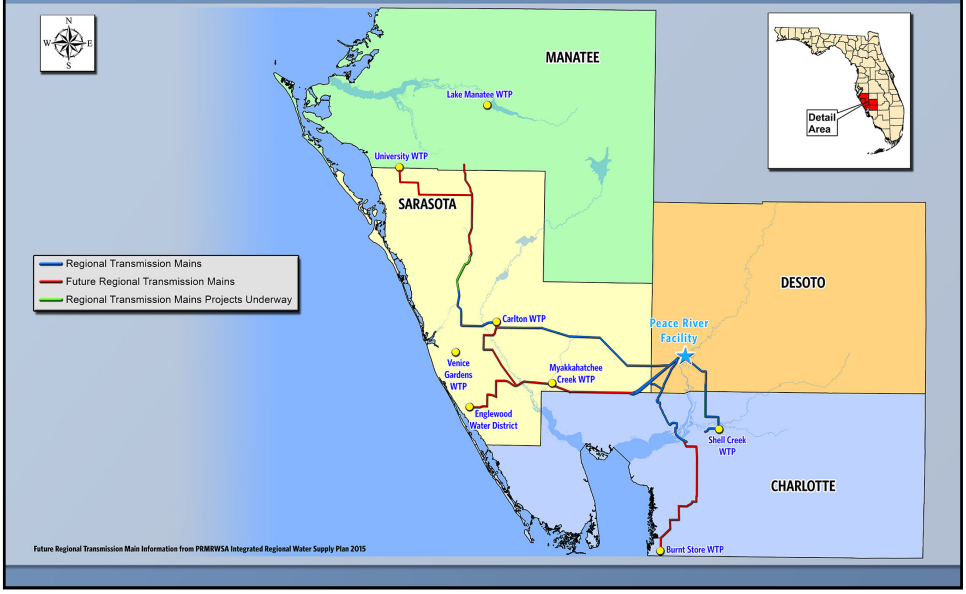
The security of public drinking water supplies nationwide has been highlighted recently with the February 5, 2021 cyber-attack and system breach that occurred in Oldsmar, Florida. Maintaining a secure and reliable drinking water supply is critical to public health and safety as well as supporting social and economic conditions. Staff will discuss certain measures in place to maintain water supply security in the Regional System.

Attachments:
Presentation Materials

Regular 2
Water Supply Security
March 31, 2021

1

Peace River Manasota Regional Water Supply Authority
Regional Vision for 2035



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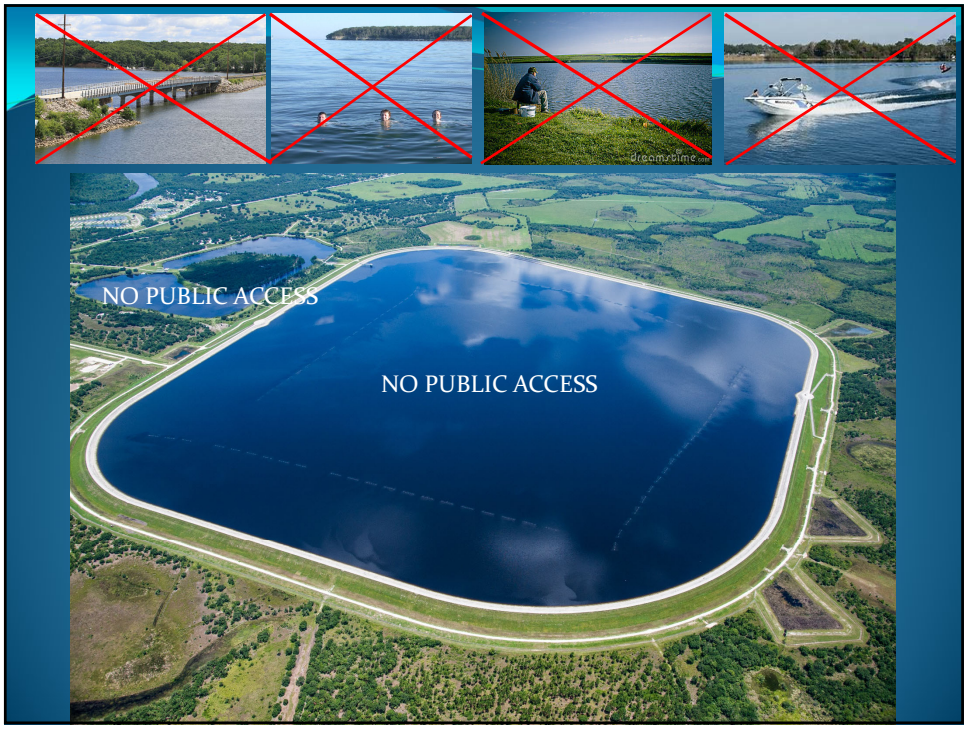

NO PUBLIC ACCESS
NO PUBLIC ACCESS

5

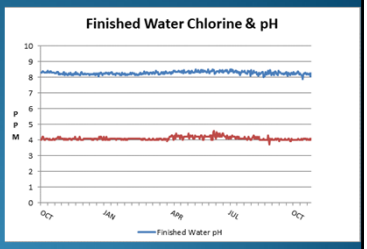
Video Surveillance
Coded Access Gates
Perimeter Fencing

6

- Dept. Homeland Security Inspection & Audit Considered
  - Physical Vulnerabilities
  - Cyber Vulnerabilities
- Resulted in Physical and Cyber Security Improvements

7

Plant Operations



- 24 - 7 - 365 Operation
- No Internet Connection for SCADA
- SCADA control is hard-wired
- Operators do routine Inspections

8

Before

After

- Pipelines - NO easy access
- Innocuous when completed

9

Internal Cybersecurity

- Each Authority location is protected by robust firewalls
- Network scans internal and external traffic
- Guest wireless has no access to any internal resources
- Internal wireless is locked down using multi-factor authentication
- Full backups (every 2 hours) to bolster business continuity
- Annual Cybersecurity training

10

America's Water Infrastructure Act of 2018

- Complete Risk and Resiliency Assessment (Complete spring 2020)
  - Identify Assets
    - Water Intakes
    - Reservoirs
    - Pumping Stations
    - Treatment Works…
  - Threat Categories
    - Terrorism & Intentional attack
    - Vandalism & Malevolent attack
    - Natural Hazards
    - Cyber Security
    - Financial System Security…
- Develop Emergency Resp. Plan & Submit to EPA (Complete fall 2020)

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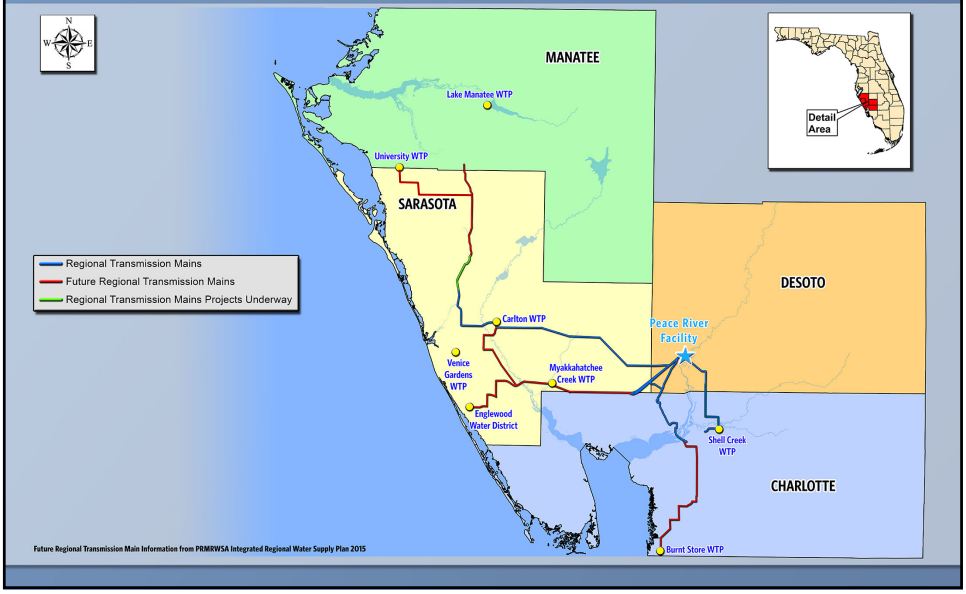
Peace River Manasota Regional Water Supply Authority Regional Vision for 2035



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