



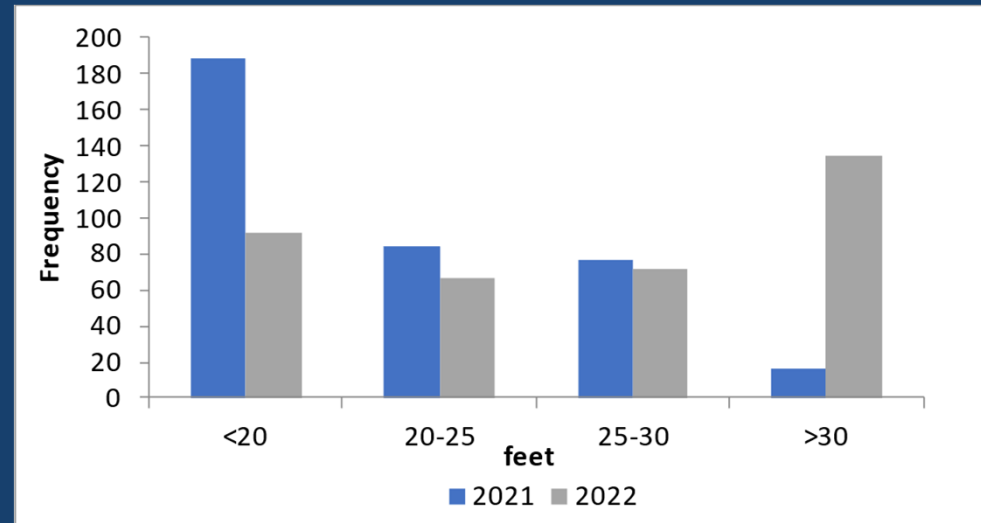
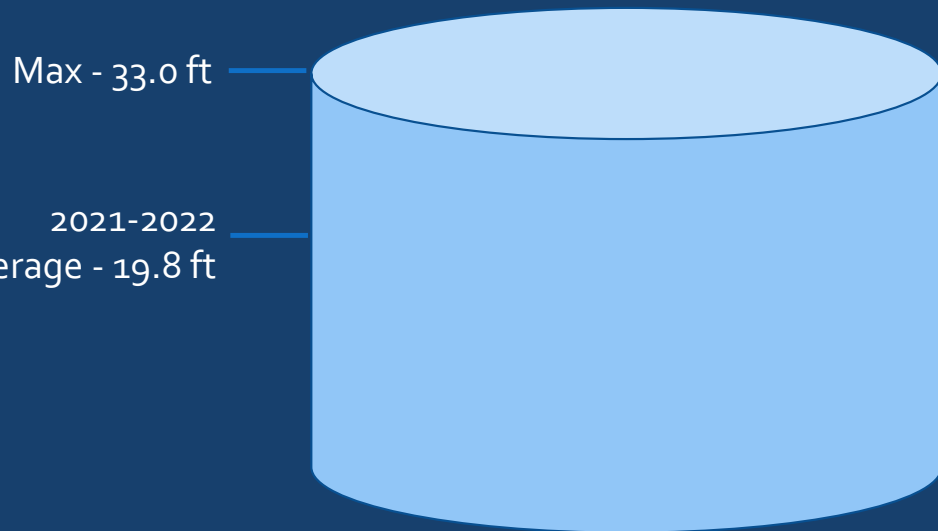
# WATER UPDATE MARCH 16, 2023

Marty Lawing, City Manager

Richard Moulton, Public Utilities Director

Jason Sciandra, Utilities Engineer

# WATER PLANT STORAGE TANK LEVELS

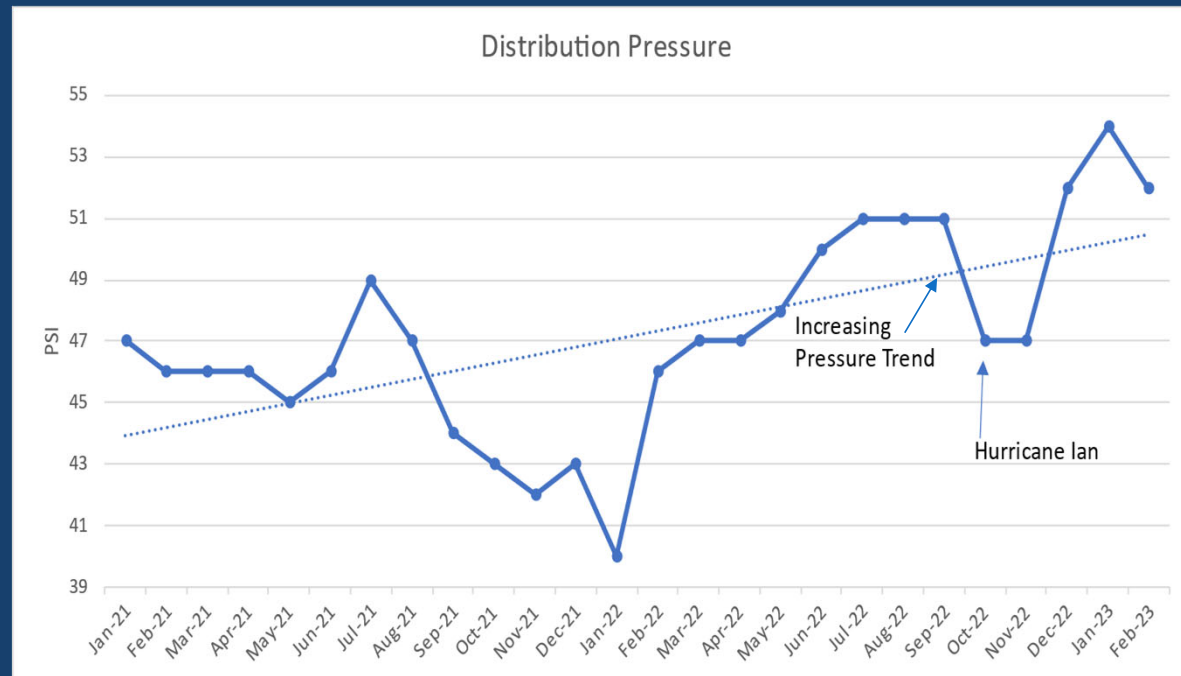
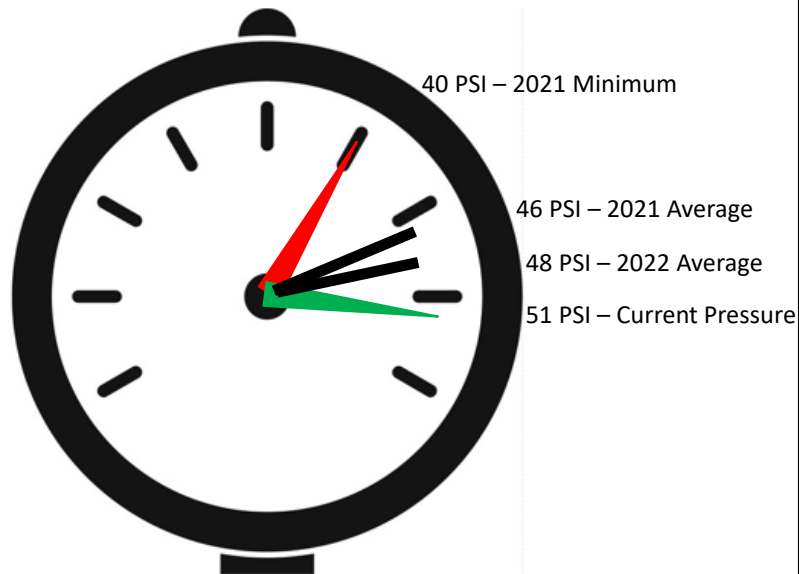


# EAST STORAGE TANK AND PUMP STATION

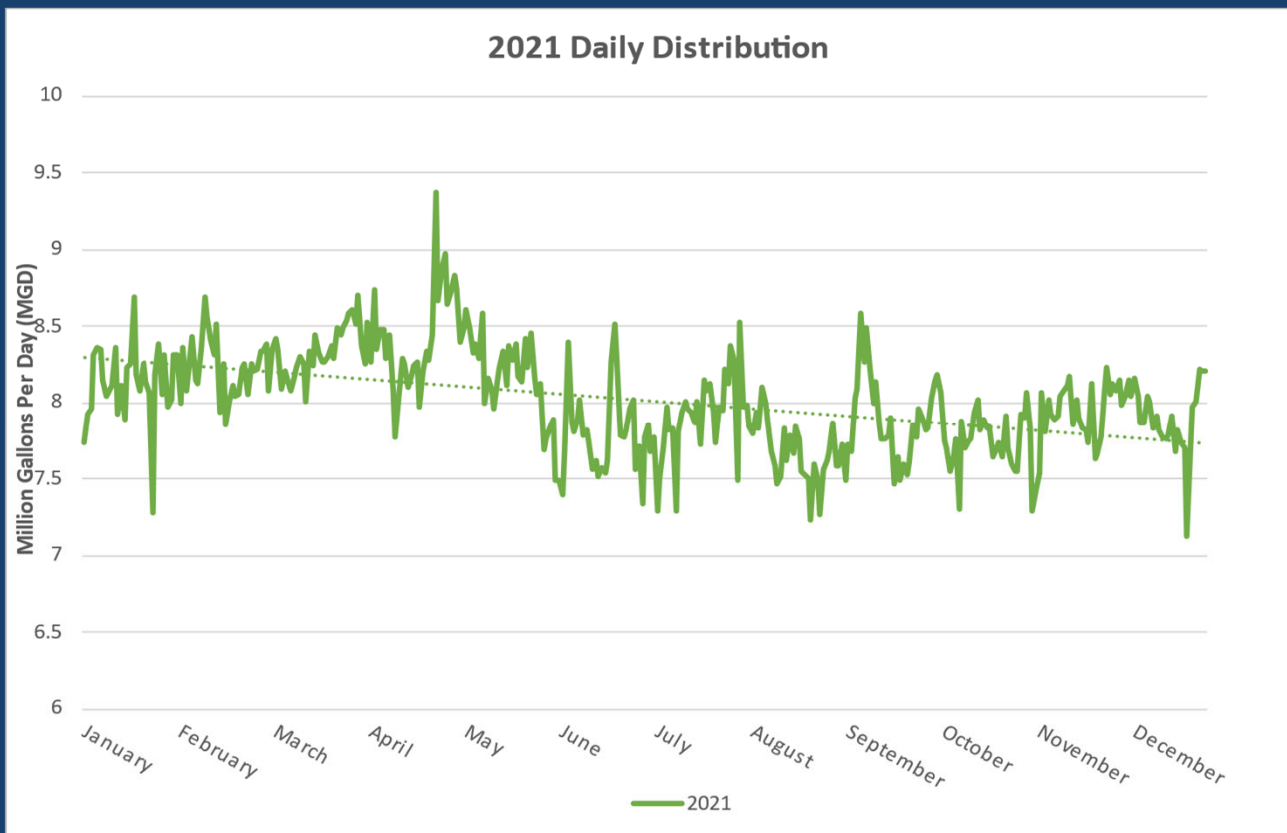
- Notice to Proceed - June 2021
- Remote Operation Online - January 2023
- Completion Anticipated - March 2023



# WATER DISTRIBUTION PRESSURE

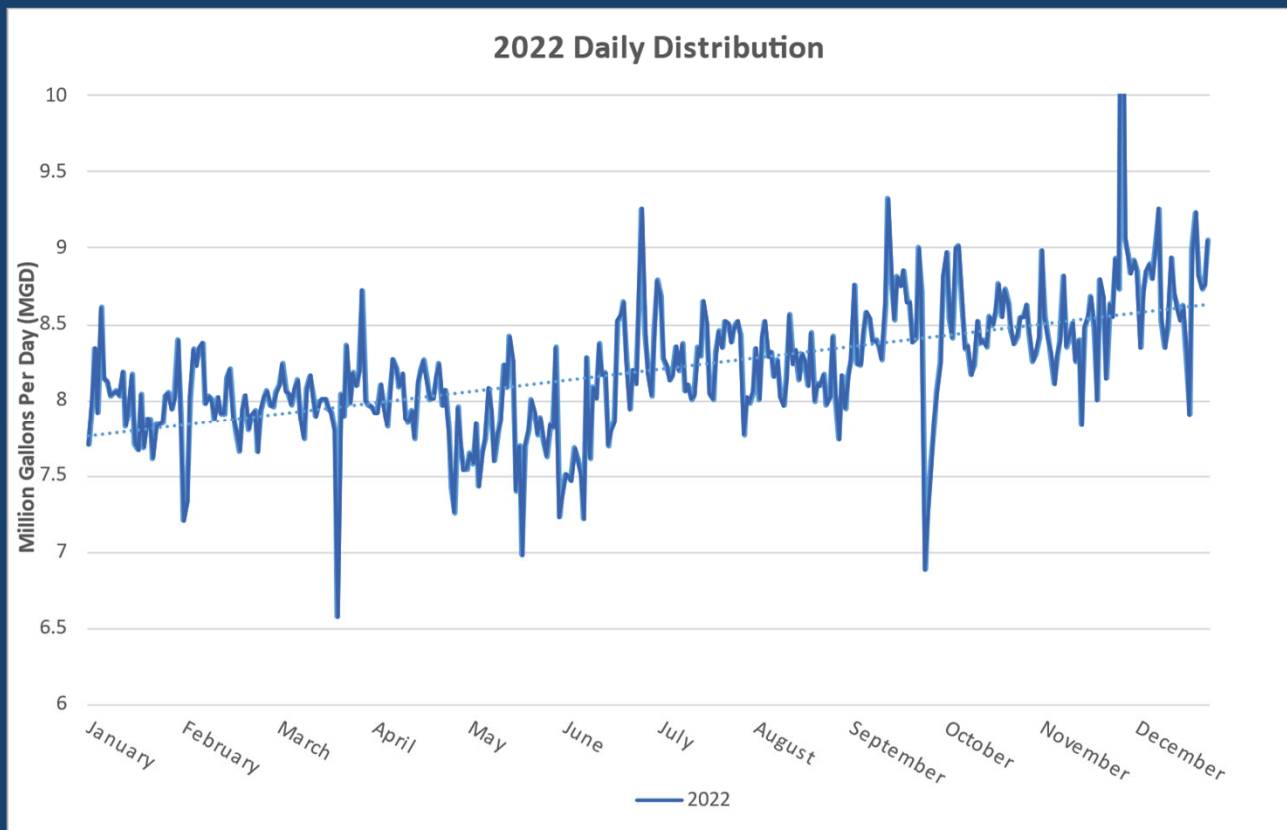


# WATER DISTRIBUTION QUANTITY



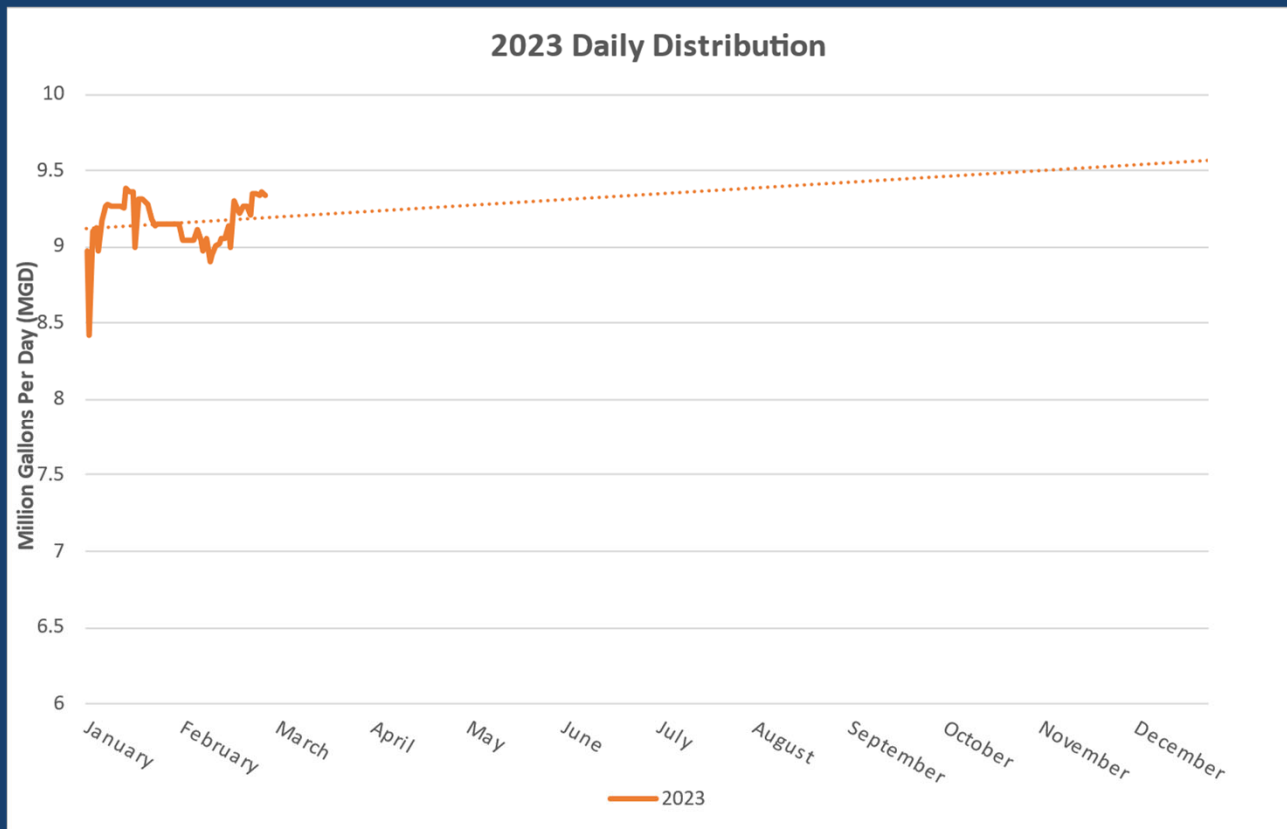
Month	2021 Flow
Jan	252
Feb	230
Mar	258
Apr	251
May	256
Jun	234
Jul	244
Aug	239
Sep	235
Oct	241
Nov	236
Dec	245

# WATER DISTRIBUTION QUANTITY



Month	2022 Flow
Jan	247
Feb	222
Mar	248
Apr	239
May	241
Jun	239
Jul	257
Aug	253
Sep	252
Oct	261
Nov	252
Dec	274

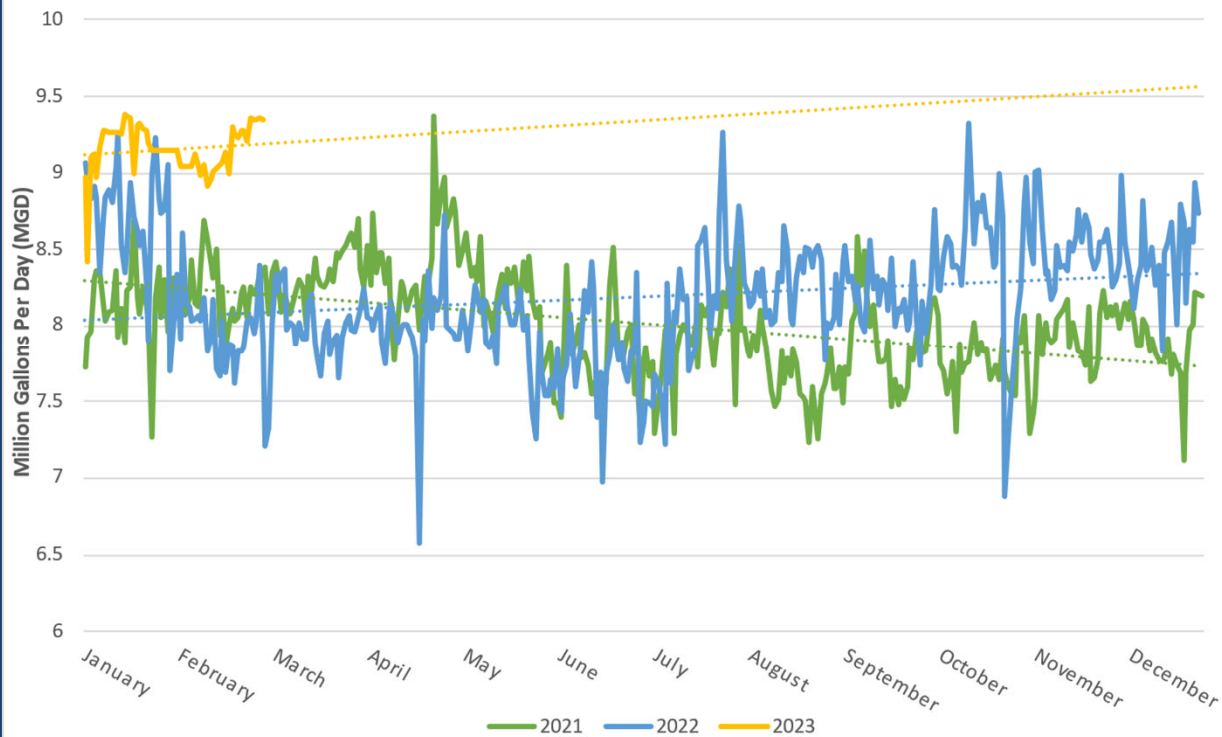
# WATER DISTRIBUTION QUANTITY



Month	2023 Flow
Jan	284
Feb	260
Mar	
Apr	
May	
Jun	
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	

# WATER DISTRIBUTION QUANTITY

2021 v 2022 v 2023 Daily Distribution

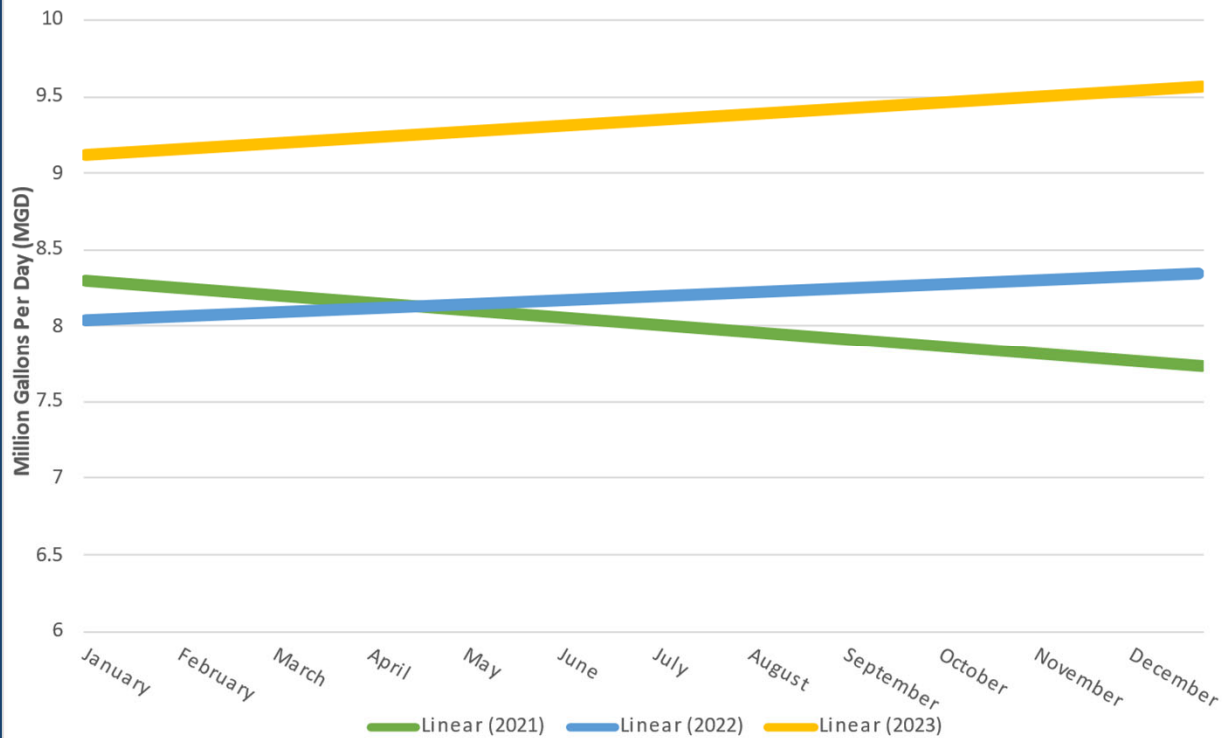


Month	2021 Flow	2022 Flow	2023 Flow
Jan	252	247	284
Feb	230	222	260
Mar	258	248	
Apr	251	239	
May	256	241	
Jun	234	239	
Jul	244	257	
Aug	239	253	
Sep	235	252	
Oct	241	261	
Nov	236	252	
Dec	245	274	



# WATER DISTRIBUTION QUANTITY

2021 v 2022 v 2023 Daily Distribution Trendlines



Month	2021 Flow	2022 Flow	2023 Flow
Jan	252	247	284
Feb	230	222	260
Mar	258	248	
Apr	251	239	
May	256	241	
Jun	234	239	
Jul	244	257	
Aug	239	253	
Sep	235	252	
Oct	241	261	
Nov	236	252	
Dec	245	274	

# OUTSTANDING DRYLINE PERMITS

<u>App Date</u>	<u>Name of Project</u>	<u>Expected GPD</u>	<u>Permit Stage</u>		<u>App Date</u>	<u>Name of Project</u>	<u>Expected GPD</u>	<u>Permit Stage</u>
04/12/22	Gardners Park Grove	2571	Site Permit Only		11/18/22	The Forum Phase 2 SFR	18618	Open Building Permits
04/12/22	Novo Fort Myers	55286	Open Building Permits		12/27/22	Colonial Properties Lot 2	23337	Open Building Permits
05/13/22	Asher Park	59357	Site Permit Only		01/03/23	Province Park Phase III -Final 60 units	43416	Open Building Permits
06/07/22	The Monarch	50187	Site Permit Only		01/06/22	Lofton Island	10114	Site Permit Only
07/11/22	The Mark at Colonial	71793	Open Building Permits		01/19/23	The Taylor	63735	Open Building Permits
07/19/22	Province Park- Greens Edge Phase 3	10286	Open Building Permits		01/19/23	Alessio MLK- Phase 1	6136	Open Building Permits
07/28/22	Towles Garden	22886	Open Building Permits		03/03/23	Allure	63905	Open Building Permits
10/12/22	Encore Vive II at the Forum	25773	Open Building Permits		<b>Total Outstanding Dryline (GPD)</b>		<b>527,400</b>	

# DRYLINE COMMITMENTS

- The City is committed to provide water to the developments that have been issued dryline permits by the FDEP.
- Per the City's consent order with the FDEP, the FDEP will approve 50% of approved production capacity increases to the City's water system.
- With .527 MGD of outstanding dryline permits, the City will need to increase its production capacity by 1.054 MGD in order to clear all of the outstanding dryline permits.
- The following slides depict how the City is increasing water system capacity to meet this demand and close the consent order.

RECEIVED  
DEPARTMENT OF HEALTH  
2022 SEP 21 PM 1:38  
OFFICE OF THE CLERK

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF HEALTH

STATE OF FLORIDA DEPARTMENT	)	LEE COUNTY
OF HEALTH, LEE COUNTY HEALTH	)	
DEPARTMENT	)	
	)	PWS I.D. No. 5360102
v.	)	Rendition No. DOH-22-0738-S-HSW
	)	DOH Case No. 2022-0125
CITY OF FORT MYERS	)	
_____	)	

**CONSENT ORDER**

This Consent Order ("Order") is entered into between the State of Florida Department of Health, Lee County Health Department ("Department") and the City of Fort Myers ("Respondent") to reach settlement of certain matters at issue between the Department and Respondent.

The Department finds and Respondent admits the following:

1. The Department, on behalf of and under the authority granted pursuant to Section 403.862, Florida Statutes ("F.S.") by the Florida Department of Environmental Protection ("FDEP"), is the administrative agency of the State of Florida with the power and duty to protect Florida's water resources and to administer and enforce the

The image shows an outdoor water treatment facility. In the background, there are two large, light-colored electrical cabinets. To the right, a black light pole stands against a clear blue sky. In the foreground, a complex system of stainless steel pipes and valves is visible, including a large horizontal pipe with a circular access cover and several smaller pipes with hand-operated valves. The ground is a light-colored concrete or gravel surface. The text "RAW WATER IMPROVEMENTS" is overlaid in white on a dark blue horizontal band across the middle of the image.

# RAW WATER IMPROVEMENTS

# WATER PRODUCTION WELLS

## Two wells cleared and in service

Well P-1S – cleared for service

Well P-2S – cleared for service

## Four wells under construction

Well P-5S – under construction

Well P-27 – under construction

Well P-28 – under construction

Well P-26 – under construction

## Three additional wells in design

Well P-3S – under design, negotiating with landowner

Well P-4S – under design, negotiating with landowner

Well P-23 – under design

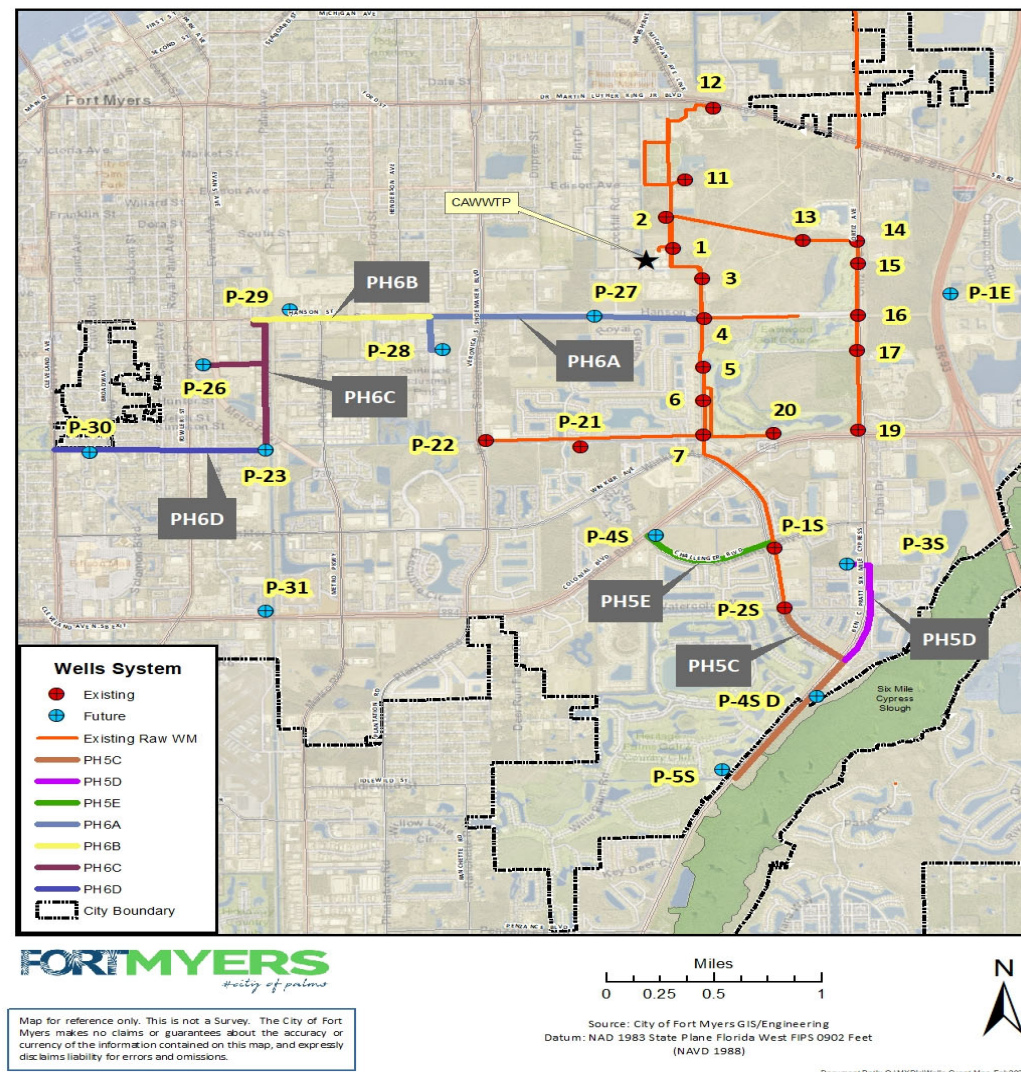
## One additional well in site acquisition

Well P-29 – Negotiating with Landowner

## Five pipeline segments in design

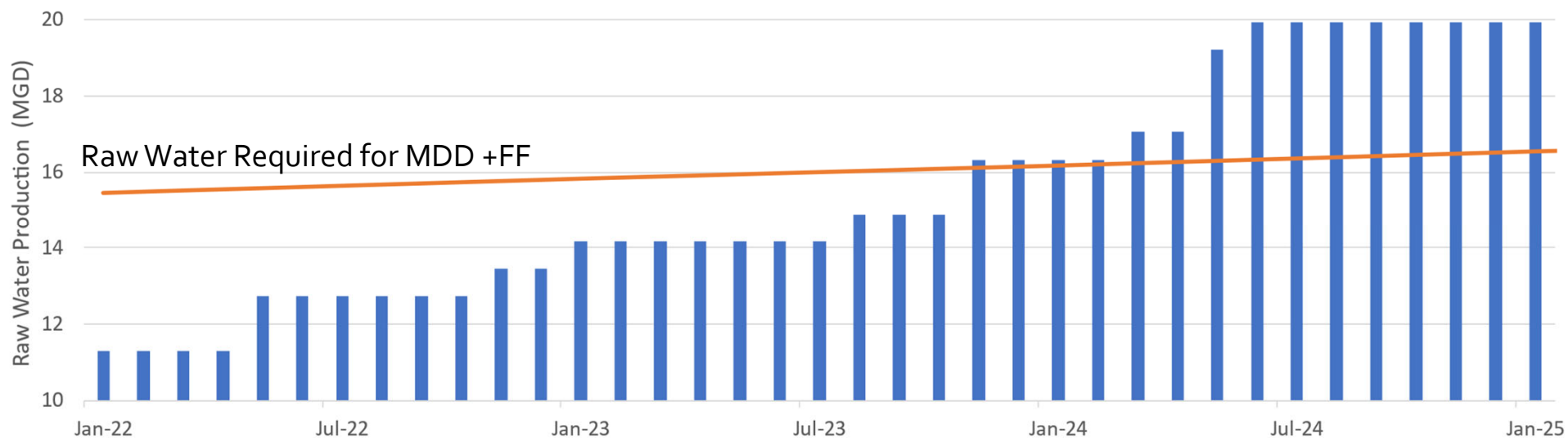
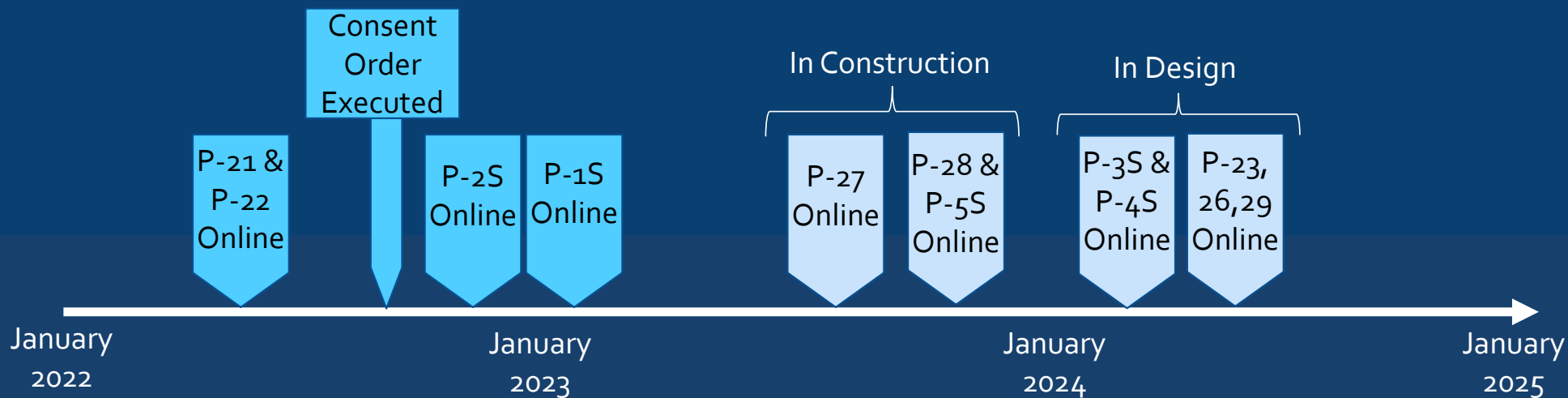
Phase 5C, 5D

Phase 6A, 6B, 6C



# WATER TO PLANT DATES

Well	Projected Date Online
P-23	May-24
P-26	May-24
P-27	Aug-23
P-28	Nov-23
P-29	May-24
P-3S	Mar-24
P-4S	Jun-24
P-5S	Nov-23





The image is a composite of two photographs of a water treatment plant. The top photograph shows a dense array of large, dark-colored cylindrical pipes or filter housings, each with a white circular cap or end. They are arranged in rows and connected by a network of smaller pipes and valves. The background shows the industrial structure of the plant with yellow overhead beams and a hanging light fixture. The bottom photograph shows a different section of the plant, featuring a large, flat, perforated metal grate floor in the foreground. Behind the grate, there are more pipes, valves, and some green-painted vertical components. The overall scene is an industrial water treatment facility.

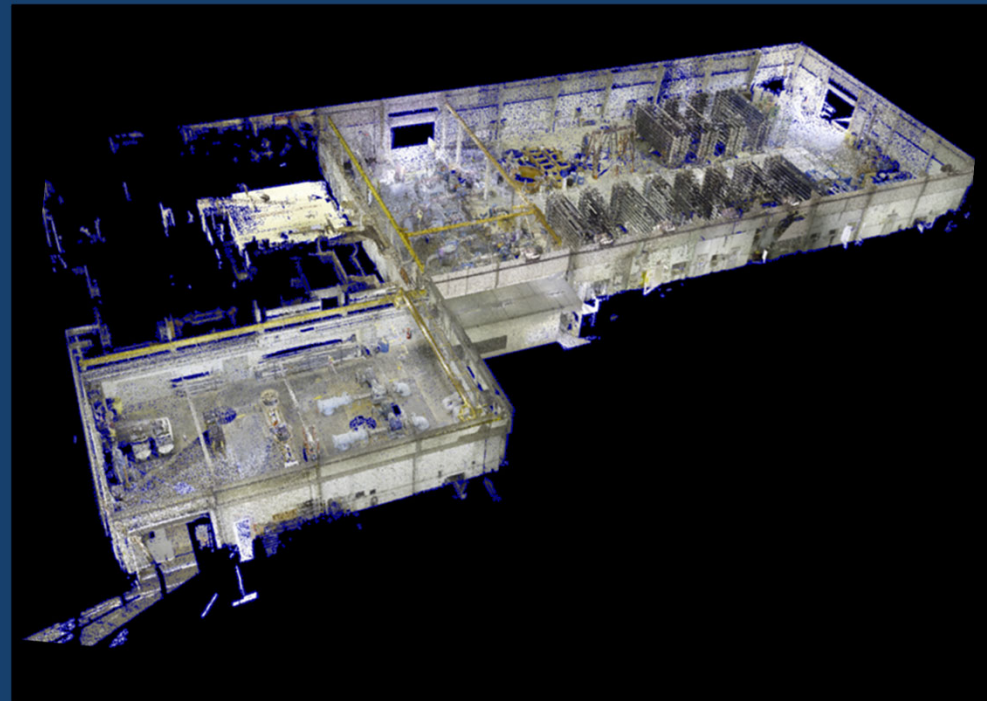
# WATER TREATMENT IMPROVEMENTS



# EXISTING WATER PLANT EXPANSION

- Design contract executed – November 2022
- Site visits conducted - December 2022
- Alternatives evaluation - February 2023
- CMAR selection - February 2023
- Initiate early procurement – April 2023

3D Scanning of Existing WTP



# WATER PLANT EXPANSION MILESTONES

[illegible]

The background image shows an industrial facility under a clear blue sky. In the upper portion, there are several large, light-colored rectangular storage tanks or silos. In the lower portion, a complex network of stainless steel pipes and valves is visible, including a large horizontal pipe with a prominent valve handle. The scene is brightly lit, suggesting a sunny day.

# QUESTIONS