



City of North Port

Office of the City Manager

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December 14, 2021

Mr. Mike Coates, P.G.
Executive Director
Peace River/Manasota Regional Water Supply Authority
9415 Town Center Parkway
Lakewood Ranch, FL 34202

RE: City of North Port Annual Water Demand Projections

Dear Mr. Coates,

Pursuant to the PRMRWSA Master Water Supply Contract, North Port is required prior to January 15th of each contract year, to submit a report which identifies the following:

- 1) Total projected water demand by Contract Year for the next 20 years;
- 2) That portion of the total 20 year demand the customer requires the PRMRWSA to fulfill in terms of Annual Average Daily Quantity; and
- 3) The basis for each projection.

Attachment one provides the information required for total projected water demand and amount required of PRMRWSA in annual average daily quantity. Attachment two provides the amount required of PRMRWSA in Peak Month Average Daily Quantity. Attachment three provides the amount required of PRMRWSA in Maximum Daily Quantity. We have also included a graphical presentation of North Port Water Demand and Supply Projections.

Staff has reviewed the City's historical and future growth projections and considered current developer growth as a basis for the current year's demand projections. We estimate in 2023, we will have water available for the redistribution pool. The table below identifies our estimates.

Contract Year	Water available for redistribution pool (MGD)
2022	0.00
2023	0.50
2024	0.50
2025	0.50
2026	0.50
2027	0.50
2028	0.50
2029	0.50

North Port remains committed to providing the water needs of our community and looks forward to continuing our close relationship with the PRMRWSA on this important issue.

Sincerely,



A. Jerome Fletcher II
City Manager

Attachments:

1. 2022 Annual Water Demand/Supply Sources Projections-Annual Average
2. 2022 Annual Water Demand/Supply Sources Projections-Peak Month
3. 2022 Annual Water Demand/Supply Sources Projections-Peak Day
4. North Port Water Demand and Supply Projections Graph

CC: Honorable Mayor and City Commission
Jason Yarborough, ICMA-CM, Assistant City Manager
Juliana B. Bellia, Assistant City Manager
Michael Vuolo, Interim Utilities Director
Heather Taylor, City Clerk
Amber Slayton, City Attorney
Jonathan Lewis, Sarasota County Administrator
Scott L. Hopes, Manatee County Administrator
Mandy Hines, DeSoto County Administrator
Hector Flores, Charlotte County Administrator

Attachment 1

2022 Annual Water Demand/Supply Sources Projection									
	Contract Fiscal Year	Average Day Demand (MGD)	Supply Sources - Annual Average				Peace River Schedule C (MGD)	Water available for redistribution pool	
			Northeast Water Treatment Plant (MGD)	Southwest Water Treatment Plant (MGD)	Myakkahatchee Creek Water Treatment Plant (MGD)	Peace River Schedule B (MGD)			
Actual →	2021	3.453	0	0	4.4	2.865	0	0.00	
Projected→	2022	3.604	0	1.0	4.4	2.865	0	0.00	
	2023	3.713	0	1.0	4.4	2.865	0	0.50	
	↓	2024	3.825	0	1.0	4.4	2.865	0	0.50
	↓	2025	3.940	0	1.0	4.4	2.865	0	0.50
	↓	2026	4.058	0	1.0	4.4	2.865	0	0.50
	↓	2027	4.181	0	1.0	4.4	2.865	0	0.50
	↓	2028	4.306	0	1.0	4.4	2.865	0	0.50
	↓	2029	4.436	0	1.0	4.4	2.865	0	0.50
	Years 8 - 20 as requested for planning purposes in section 11.1 of the Master Water Supply Contract								
↓	2030	4.570	0	1.0	4.4	2.865	0		
↓	2031	4.707	0	1.0	4.4	2.865	0		
↓	2032	4.849	0	1.0	4.4	2.865	0		
↓	2033	4.995	0	2.0	4.4	2.865	0		
↓	2034	5.145	0	2.0	4.4	2.865	0		
↓	2035	5.300	0	2.0	4.4	2.865	0		
↓	2036	5.459	0	2.0	4.4	2.865	0		
↓	2037	5.624	0	2.0	4.4	2.865	0		
↓	2038	5.793	0	2.0	4.4	2.865	0		
↓	2039	5.967	0	2.0	4.4	2.865	0		
↓	2040	6.147	0	2.0	4.4	2.865	0		
↓	2041	6.332	0	2.0	4.4	2.865	0		
↓	2042	6.523	0	2.0	4.4	2.865	0		

Attachment 2

2022 Annual Water Demand/Supply Sources Projection							
	Year	Peak Month Demand (MGD)	Supply Sources - Peak Month				
			Northeast Water Treatment Plant (MGD)	Southwest Water Treatment Plant (MGD)	Myakkahatchee Creek Water Treatment Plant (MGD)	Peace River Schedule B (MGD)	Peace River Schedule C (MGD)
Actual →	2021	4.143	0	0	5.28	3.438	0
Projected→	2022	4.325	0	2.0	5.28	3.438	0
	2023	4.456	0	2.0	5.28	3.438	0
↓	2024	4.590	0	2.0	5.28	3.438	0
	2025	4.728	0	2.0	5.28	3.438	0
↓	2026	4.870	0	2.0	5.28	3.438	0
	2027	5.017	0	2.0	5.28	3.438	0
↓	2028	5.168	0	2.0	5.28	3.438	0
Years 8 - 20 as requested for planning purposes in section 11.1 of the Master Water Supply Contract							
	2029	5.323	0	2.0	5.28	3.438	0
↓	2030	5.483	0	2.0	5.28	3.438	0
	2031	5.649	0	2.0	5.28	3.438	0
↓	2032	5.819	0	2.0	5.28	3.438	0
	2033	5.994	0	4.0	5.28	3.438	0
↓	2034	6.174	0	4.0	5.28	3.438	0
	2035	6.360	0	4.0	5.28	3.438	0
↓	2036	6.551	0	4.0	5.28	3.438	0
	2037	6.749	0	4.0	5.28	3.438	0
↓	2038	6.952	0	4.0	5.28	3.438	0
	2039	7.161	0	4.0	5.28	3.438	0
↓	2040	7.376	0	4.0	5.28	3.438	0
	2041	7.598	0	4.0	5.28	3.438	0
↓	2042	7.827	0	4.0	5.28	3.438	0

Attachment 3

2022 Annual Water Demand/Supply Sources Projection							
	Year	Peak Day Demand (MGD)	Supply Sources - Peak Day				
			Northeast Water Treatment Plant (MGD)	Southwest Water Treatment Plant (MGD)	Myakkahatchee Creek Water Treatment Plant (MGD)	Peace River Schedule B (MGD)	Peace River Schedule C (MGD)
Actual →	2021	4.834	0	0	6.16	4.011	0
Projected→	2022	5.046	0	1.3	6.16	4.011	0
	2023	5.198	0	1.3	6.16	4.011	0
↓	2024	5.355	0	1.3	6.16	4.011	0
	2025	5.516	0	1.3	6.16	4.011	0
↓	2026	5.682	0	1.3	6.16	4.011	0
	2027	5.853	0	1.3	6.16	4.011	0
↓	2028	6.029	0	1.3	6.16	4.011	0
Years 8 - 20 as requested for planning purposes in section 11.1 of the Master Water Supply Contract							
	2029	6.210	0	1.3	6.16	4.011	0
↓	2030	6.397	0	1.3	6.16	4.011	0
	2031	6.590	0	1.3	6.16	4.011	0
↓	2032	6.788	0	1.3	6.16	4.011	0
	2033	6.993	0	2.6	6.16	4.011	0
↓	2034	7.203	0	2.6	6.16	4.011	0
	2035	7.420	0	2.6	6.16	4.011	0
↓	2036	7.643	0	2.6	6.16	4.011	0
	2037	7.873	0	2.6	6.16	4.011	0
↓	2038	8.110	0	2.6	6.16	4.011	0
	2039	8.354	0	2.6	6.16	4.011	0
↓	2040	8.606	0	2.6	6.16	4.011	0
	2041	8.865	0	2.6	6.16	4.011	0
↓	2042	9.132	0	2.6	6.16	4.011	0

North Port Water Demand and Supply Projections

