



Office of the City Manager

February 25, 2025

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

Dear Mr. Coates

In accordance with the Amendment to the PRMRWSA Master Water Supply Contract, North Port is submitting this report which identifies the following documents that have been updated to reflect the amended contract water supply totals:

- 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. The table below identifies our estimates.

Contract Year	Water available for redistribution pool (MGD)
2024	0.00
2025	0.00
2026	0.00
2027	0.00
2028	0.00
2029	0.00
2030	0.00
2031	0.00



Office of the City Manager

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 handwritten signature in blue ink that reads "A. Jerome Fletcher II".

A. Jerome Fletcher II
City Manager

Attachments:

1. 2024 Annual Water Demand/Supply Sources Projections-Annual Average
2. 2024 Annual Water Demand/Supply Sources Projections-Peak Month
3. 2024 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, Deputy City Manager
Juliana B. Bellia, Assistant City Manager
Nancy Gallinaro, Utilities Director
Jonathan Lewis, Sarasota County Administrator
Charlie Bishop, Manatee County Administrator
Mandy Hines, DeSoto County Administrator
Hector Flores, Charlotte County Administrator

Attachment 1

2024 Annual Water Demand/Supply Sources Projection								Water available for redistribution pool	
Contract Fiscal Year	Average Day Demand (MGD)	Supply Sources - Annual Average							
		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 →	2023	3.334	0	2.0	4.4	2.865	0	0.00	
Projected→	2024	4.119	0	2.0	4.4	2.865	0	0.00	
↓	2025	4.517	0	2.0	4.4	2.865	0	0.00	
↓	2026	4.730	0	2.0	4.4	2.865	0	0.00	
↓	2027	4.953	0	2.0	4.4	2.865	0	0.00	
↓	2028	5.187	0	2.0	4.4	4.865	0	0.00	
↓	2029	5.432	0	2.0	4.4	4.865	0	0.00	
↓	2030	5.688	0	2.0	4.4	4.865	0	0.00	
↓	2031	5.956	0	2.0	4.4	4.865	0	0.00	
Years 8 - 20 as requested for planning purposes in section 11.1 of the Master Water Supply Contract									
↓	2032	6.238	0	2.0	4.4	4.865	0	0.00	
↓	2033	6.532	0	2.0	4.4	4.865	0	0.00	
↓	2034	6.840	0	2.0	4.4	4.865	0	0.00	
↓	2035	7.163	0	2.0	4.4	4.865	0	0.00	
↓	2036	7.501	0	2.0	4.4	4.865	0	0.00	
↓	2037	7.855	0	2.0	4.4	4.865	0	0.00	
↓	2038	8.226	0	2.0	4.4	4.865	0	0.00	
↓	2039	8.614	0	2.0	4.4	4.865	0	0.00	
↓	2040	9.021	0	2.0	4.4	4.865	0	0.00	
↓	2041	9.447	0	2.0	4.4	4.865	0	0.00	
↓	2042	9.893	0	2.0	4.4	4.865	0	0.00	
↓	2043	10.360	0	2.0	4.4	4.865	0	0.00	
↓	2044	10.849	0	2.0	4.4	4.865	0	0.00	

Attachment 2

2024 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)
Actual →	2023	4.301	0	2.0	4.4	3.438
Projected →	2024	5.314	0	2.0	4.4	3.438
↓	2025	5.827	0	2.0	4.4	3.438
↓	2026	6.102	0	2.0	4.4	3.438
↓	2027	6.389	0	2.0	4.4	3.438
↓	2028	6.691	0	2.0	4.4	5.838
↓	2029	7.007	0	2.0	4.4	5.838
↓	2030	7.338	0	2.0	4.4	5.838
	2031	7.683	0	2.0	4.4	5.838
Years 8 - 20 as requested for planning purposes in section 11.1 of the Master Water Supply Contract						
↓	2032	8.047	0	2.0	4.4	5.838
↓	2033	8.426	0	2.0	4.4	5.838
↓	2034	8.824	0	2.0	4.4	5.838
↓	2035	9.240	0	2.0	4.4	5.838
↓	2036	9.676	0	2.0	4.4	5.838
↓	2037	10.133	0	2.0	4.4	5.838
↓	2038	10.612	0	2.0	4.4	5.838
↓	2039	11.112	0	2.0	4.4	5.838
↓	2040	11.637	0	2.0	4.4	5.838
↓	2041	12.187	0	2.0	4.4	5.838
↓	2042	12.762	0	2.0	4.4	5.838
↓	2043	13.364	0	2.0	4.4	5.838
↓	2044	13.995	0	2.0	4.4	5.838

Attachment 3

2024 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)
Actual →	2023	5.478	0	2.0	4.4	4.0110
Projected →	2024	6.768	0	2.0	4.4	4.0110
	2025	7.421	0	2.0	4.4	4.0110
↓	2026	7.771	0	2.0	4.4	4.0110
↓	2027	8.138	0	2.0	4.4	4.0110
↓	2028	8.522	0	2.0	4.4	6.8110
↓	2029	8.925	0	2.0	4.4	6.8110
↓	2030	9.345	0	2.0	4.4	6.8110
	2031	9.786	0	2.0	4.4	6.8110
Years 8 - 20 as requested for planning purposes in section 11.1 of the Master Water Supply Contract						
↓	2032	10.249	0	2.0	4.4	6.8110
↓	2033	10.732	0	2.0	4.4	6.8110
↓	2034	11.238	0	2.0	4.4	6.8110
↓	2035	11.769	0	2.0	4.4	6.8110
↓	2036	12.324	0	2.0	4.4	6.8110
↓	2037	12.906	0	2.0	4.4	6.8110
↓	2038	13.515	0	2.0	4.4	6.8110
↓	2039	14.153	0	2.0	4.4	6.8110
↓	2040	14.822	0	2.0	4.4	6.8110
↓	2041	15.521	0	2.0	4.4	6.8110
↓	2042	16.254	0	2.0	4.4	6.8110
↓	2043	17.021	0	2.0	4.4	6.8110
↓	2044	17.825	0	2.0	4.4	6.8110

North Port Water Demand and Supply Projections

