



City of North Port

Office of the City Manager

4970 City Hall Boulevard
North Port, Florida 34286

www.cityofnorthport.com

(941)429-7077

Fax: (941) 429-7079

December 9, 2020

Mr. Patrick J. Lehman
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. Lehman,

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 2022, we will have water available for the redistribution pool. The table below identifies our estimates.

Contract Year	Water available for redistribution pool (MGD)
2021	0.00
2022	0.50
2023	0.50
2024	0.50
2025	0.50
2026	0.50
2027	0.50
2028	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,



Jason Yarborough, ICMA-CM
Interim City Manager

Attachments:

1. 2021 Annual Water Demand/Supply Sources Projections-Annual Average
2. 2021 Annual Water Demand/Supply Sources Projections-Peak Month
3. 2021 Annual Water Demand/Supply Sources Projections-Peak Day
4. North Port Water Demand and Supply Projections Graph

CC: Honorable Mayor and City Commission
Juliana B. Bellia, Acting Assistant City Manager
Rick Newkirk, Utilities Director
City Clerk, Heather Taylor
City Attorney, Amber Slayton
Jonathan Lewis, Sarasota County Administrator
Cheri Coryea, Manatee County Administrator
Mandy Hines, DeSoto County Administrator
Hector Flores, Charlotte County Administrator

Attachment 1

2021 Annual Water Demand/Supply Sources Projection								
	Contract Fiscal Year	Average Day Demand (MGD)	Supply Sources - Annual Average					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)	Peace River Schedule C (MGD)	
Actual →	2020	3.137	0	0	4.4	2.865	0	0.00
Projected→ ↓ ↓ ↓ ↓ ↓ ↓ ↓	2021	3.208	0	0	4.4	2.865	0	0.00
	2022	3.281	0	1.00	4.4	2.865	0	0.50
	2023	3.355	0	1.00	4.4	2.865	0	0.50
	2024	3.431	0	1.00	4.4	2.865	0	0.50
	2025	3.508	0	1.00	4.4	2.865	0	0.50
	2026	3.587	0	1.00	4.4	2.865	0	0.50
	2027	3.668	0	1.00	4.4	2.865	0	0.50
	2028	3.751	0	1.00	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								
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	2029	3.836	0	1.00	4.4	2.865	0	
	2030	3.923	0	1.00	4.4	2.865	0	
	2031	4.012	0	1.00	4.4	2.865	0	
	2032	4.102	0	1.00	4.4	2.865	0	
	2033	4.195	0	2.00	4.4	2.865	0	
	2034	4.290	0	2.00	4.4	2.865	0	
	2035	4.387	0	2.00	4.4	2.865	0	
	2036	4.486	0	2.00	4.4	2.865	0	
	2037	4.587	0	2.00	4.4	2.865	0	
	2038	4.691	0	2.00	4.4	2.865	0	
	2039	4.797	0	2.00	4.4	2.865	0	
	2040	4.905	0	2.00	4.4	2.865	0	
	2041	5.016	0	2.00	4.4	2.865	0	

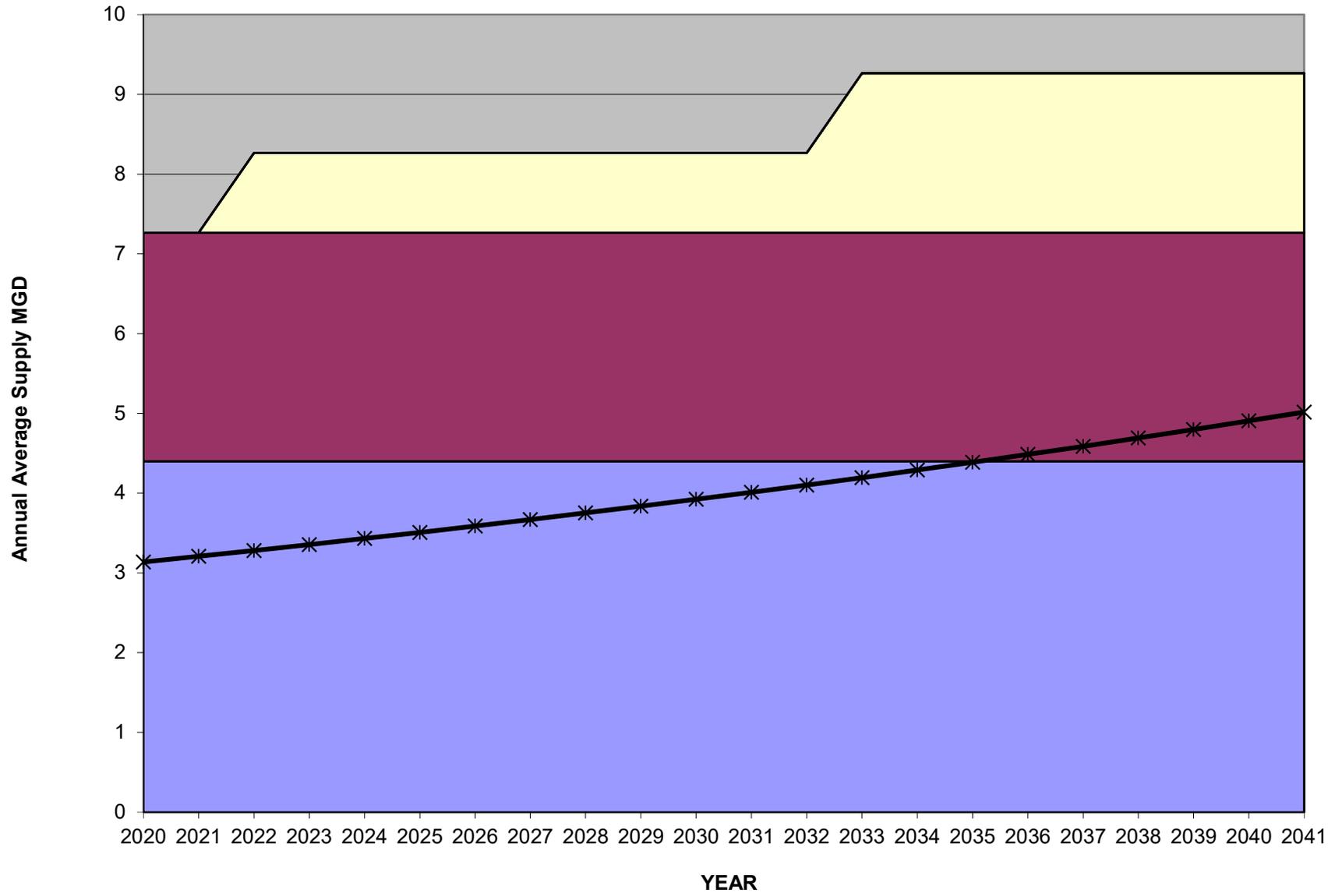
Attachment 2

2021 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 →	2020	3.765	0	0	5.28	3.438	0	
Projected→	2021	3.850	0	0	5.28	3.438	0	
	↓	2022	3.937	0	2	5.28	3.438	0
	↓	2023	4.026	0	2	5.28	3.438	0
	↓	2024	4.117	0	2	5.28	3.438	0
	↓	2025	4.210	0	2	5.28	3.438	0
	↓	2026	4.305	0	2	5.28	3.438	0
	↓	2027	4.402	0	2	5.28	3.438	0
Years 8 - 20 as requested for planning purposes in section 11.1 of the Master Water Supply Contract								
↓	2028	4.502	0	2	5.28	3.438	0	
↓	2029	4.603	0	2	5.28	3.438	0	
↓	2030	4.707	0	2	5.28	3.438	0	
↓	2031	4.814	0	2	5.28	3.438	0	
↓	2032	4.923	0	2	5.28	3.438	0	
↓	2033	5.034	0	4	5.28	3.438	0	
↓	2034	5.148	0	4	5.28	3.438	0	
↓	2035	5.264	0	4	5.28	3.438	0	
↓	2036	5.383	0	4	5.28	3.438	0	
↓	2037	5.505	0	4	5.28	3.438	0	
↓	2038	5.629	0	4	5.28	3.438	0	
↓	2039	5.756	0	4	5.28	3.438	0	
↓	2040	5.886	0	4	5.28	3.438	0	
↓	2041	6.019	0	4	5.28	3.438	0	

Attachment 3

2021 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 →	2020	4.392	0	0	6.16	4.011	0	
Projected→	2021	4.491	0	0	6.16	4.011	0	
	↓	2022	4.593	0	1.3	6.16	4.011	0
	↓	2023	4.697	0	1.3	6.16	4.011	0
	↓	2024	4.803	0	1.3	6.16	4.011	0
	↓	2025	4.911	0	1.3	6.16	4.011	0
	↓	2026	5.022	0	1.3	6.16	4.011	0
	↓	2027	5.136	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								
↓	2028	5.252	0	1.3	6.16	4.011	0	
↓	2029	5.371	0	1.3	6.16	4.011	0	
↓	2030	5.492	0	1.3	6.16	4.011	0	
↓	2031	5.616	0	1.3	6.16	4.011	0	
↓	2032	5.743	0	1.3	6.16	4.011	0	
↓	2033	5.873	0	2.6	6.16	4.011	0	
↓	2034	6.006	0	2.6	6.16	4.011	0	
↓	2035	6.141	0	2.6	6.16	4.011	0	
↓	2036	6.280	0	2.6	6.16	4.011	0	
↓	2037	6.422	0	2.6	6.16	4.011	0	
↓	2038	6.567	0	2.6	6.16	4.011	0	
↓	2039	6.716	0	2.6	6.16	4.011	0	
↓	2040	6.867	0	2.6	6.16	4.011	0	
↓	2041	7.023	0	2.6	6.16	4.011	0	

North Port Water Demand and Supply Projections



Myakkahatchee Creek WTP
 PR
 SW WTP
 NE WTP
 Annual Average Demands