Community Planning Pages Technical Assistance





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10-Year Water Supply Facilities Work Plan

Chapter 163.3177(6)(c), F.S.

- Local governments subject to a Regional Water Supply Plan (RWSP) are required to update Work Plans within 18 months of RWSP update (due by May 17, 2017)
- For local governments under the jurisdiction of two water management districts, due date is within 18 months of the later updated RWSP

Other Work Plan Resources

- DEO http://www.floridajobs.org/community-planning-anddevelopment/programs/community-planning-table-of-contents/watersupply-planning
- SFWMD http://www.sfwmd.gov/portal/page/portal/xweb%20-%20release%203%20water%20supply/local%20government%20comp %20plans



Community Sheets

- Local government population and water use demand projections using a GISbased model
- Analysis of existing sources and future supply source options
- Tool for updating Work Plans



The Community Sheet

	TAN	IPA BAY I	PLANNING	REGION				
TARPON SPRINGS								
		DEMAN	DANALYS	IS				
	2008	2010	2015	2020	2025	2030	WUP (MGD)	PER CAPITA WATER USE (2003-2007)
CITY OF TARPON SPRINGS UTILITY								
	24581					27236		
Total Utility Service Area Population	27341		29118			30449	1.380	110
Demand (MGD)	3.008		3.203	3.301	3.349	3.349		
PINELLAS COUNTY UTILITIES Municipal Population Served	53	62	54	50	60	60		
Demand (MGD)	0.006		0.006	0.006		0.007		
Total Utility Service Area Population		380097	388216		410017		1.343	1 07
Demand (MGD)	40.074			42.933				
DOMESTIC SELF SUPPLY								
	86	99	120	120	120	120		
	0.009					0.013		71
MUNICIPAL POPULATION	24720	25414	26227	27014	27416	27416		110*
TOTAL PERMANENTAL INCIDENTAL IN	0.745	0.705	0.000	0.071	2.045	2045		
	2.719		2.885			3.016		
ΓΟΤΔ L DE MΔ ND (LITILITIES)			44.755	46244		47.234		
TOTAL DE MAND (UTILITIES)	43.091	43.776	44.755	46.244	47.234	47.234		
TOTAL DEMAND (UTILITIES)	43.091	43.776	44.755				serving within con	munity jurisdiction
TOTAL DE MAND (UTILITIES)	43.091		44.755 Y ANA LYS	* Weighted			serving within con	munity jud s diction
TOTAL DEMAND (UTILITIES)	43.091			* Weighted			serving within com	munity jurisal dion
		SUPPL	Y ANA LYS	* Weighted			serving within com	munity juri salction
TOTAL DEMAND (UTILITIES)			Y ANA LYS	* Weighted			serving within con	munity jurisdiction
		SUPPL	Y ANA LYS	* Weighted			serving within con	munity jurisdiction
EXISTING SOURCES Total Utility WLP Quantities Total Domestic Self Supply		SUPPL CURRENT Y 2.72 0.00	Y ANA LYS (ELD (M9 D) 13 19	* Weighted			serving within con	amunity jud a diction
EXISTING SOURCES Total Utility WUP Quantities		SUPPL CURRENT Y 2.72	Y ANA LYS (ELD (M9 D) 13 19	* Weighted			serving within con	smunity juri saikitlan
EXISTING SOURCES Total Utility WUP Quantities Total Domestic Self Supply Water Supply Authority WUP Quantities		SUPPL CURRENT Y 2.72 0.00 1423	Y ANA LYS DELD (MGD) 13 19 116	* Weighted			serving within con	munity jurisali dion
EXISTING SOURCES Total Utility WUP Quantities Total Domestic Self Supply		SUPPL CURRENT Y 2.72 0.00	Y ANA LYS DELD (MGD) 13 19 116	* Weighted			serving within con	m unity jurisalidion
EXISTING SOURCES Total Utility WUP Quantities Total Domestic Self Supply Water Supply Authority WUP Quantities		SUPPL CURRENT Y 2.72 0.00 1423	Y ANA LYS DELD (MGD) 13 19 116	* Weighted			serving within con	munity jurisalidion
EXISTING SOURCES Total Utility W UP Quantities Total Domestic Self Supply Water Supply Authority W UP Quantities Total Current Yield		SUPPL CURRENT Y 2.72 0.00 1423 145.0	Y ANA LYS DELD (MGD) 13 19 116	* Weighted			serving within con	
EXISTING SOURCES Total Utility W UP Quantities Total Domestic Self Supply Water Supply Authority W UP Quantities Total Current Yield		SUPPL CURRENT Y 2.72 0.00 1423 145.0	Y ANA LYS DELD (MGD) 13 19 116	* Weighted				
EXISTING SOURCES Total Utility WUP Quantities Total Domestic Self Supply Water Supply Authority WUP Quantities Total Current Yield	(LUS/(DEFIC	SUPPL CURRENT Y 2.72 0.00 1423 145.0	Y ANALYS HELD (MG D) 13 19 16 16 16	* Weighted	mean per ca		NA	
EXISTING SOURCES Total Utility WUP Quantities Total Domestic Self Supply Water Supply Authority WUP Quantities Total Current Yield	(LUS/(DEFIC	SUPPL DURRENT Y 2.72 0.00 1 42:3 145.0	Y ANALYS HELD (MG D) 13 19 16 16 16	* Weighted	mean per ca	pita ofutilities	NA	
EXISTING SOURCES Total Utility WUP Quantities Total Comesto Self Supply Water Supply Authority WUP Quantities Total Current Yield FOTAL UTILITIES SERVING COMMUNITY SURP	(LUS/(DEFIC	SUPPL DURRENT Y 2.72 0.00 1 42:3 145.0	Y ANA LYS (ELD (M9 D) (3 3) (9 9) (14 6) (148)	* Weighted IS	mean per ca	pita orutilites	W /	
EXISTING SOURCES Total Utility WUP Quantities Total Domestic Self Supply Water Supply Authority WUP Quantities Total Current Yield FOTAL UTILITIES SERVING COMMUNITY SURF	(LUS/(DEFIC	SUPPL CURRENT Y 2.72 0.00 1.42.3 145.0	Y ANA LYS (ELD (M9 D) 13 39 14 6 48 4	* Weighted IS	mean per ca Ru City of	pita ofutilities	N/J ENTITY ngs Utilities	
EXISTING SOURCES Total Utility WUP Quantities Total Domestic Self Supply Water's upply Authority WUP Quantities Total Current Yield FOTAL UTILITIES SERVING COMMUNITY SURF	LUS/(DEFIC 2030	SUPPL DURRENT Y 2.7; 0.00 142: 145:0	Y ANALYS (ELD (M9 D) (33) (9) (16) (48) (48)	* Weighted IS	mean per ca	pita ofutilities ESPONSIBLE (Tarpon Sprii	N/J ENTITY ngs Utilities ngs Utilities	
EXISTING SOURCES Total Utility WUP Quantities Total Domestic Self Supply Water Supply Authority WUP Quantities Total Current Yield FOTAL UTILITIES SERVING COMMUNITY SURF- FUTURE SOURCE OPTIONS* Conservation Indoor Outdoor	LUS/(DEFIC 2030	\$UPPL CURRENT Y 2.77 0.00 1.423 145.0 POTENTIAL 1.08 0.25	Y ANA LYS (SELD (MG D) (SELD	* Weighted IS	RI City of City of	esPONSIBLE Tarpon Sprit Tarpon Sprit Tarpon Sprit	N/A ENTITY ngs Utillies ngs Utillies ngs Utillies	
EXISTING SOURCES Total Utility WUP Quantities Total Domestic Self Supply Water Supply Authority WUP Quantities Total Current Yield FOTAL UTILITIES SERVING COMMUNITY SURF- FUTURE SOURCE OPTIONS* Conservation Indoor Quidoor Recialmed	LUS/(DEFIC 2030	SUPPL DURRENT V 2.72 0.00 142.3 145.0 17)	Y ANA LYS WELD (M9 D) 13 399 14 6 44 55 88 00 0	* Weighted IS	RI City of City of	pite of utilities ESPONSIBLE (Tarpon Sprii Tarpon Sprii	N/J ENTITY ngs Utilities ngs Utilities Nater Nater	

^{*} See RWSP Appendix X for complete listing of water supply project options



Components of Demand Analysis

- Population projections
 - Parcel-based
 - Functional
 - Constrained to BEBR
- Per capita water use
 - Unadjusted gross
 - Public Supply Annual Report
 - Estimated Water Use Report



Demand Analysis

TAMPA BAY PLANNING REGION										
TARPON SPRINGS										
DEMAND ANALYSIS										
	2008	2010	2015	2020	2025	2030	WUP (MGD)	PER CAPITA WATER USE (2003-2007)		
CITY OF TARPON SPRINGS UTILITY Municipal Population Served	24581	25262	26053	26836	27238	27236				
Demand (MGD)	2,704	2.775	2.862	2.948	2.992	2.992				
Total Utility Service Area Population	27341	28137	29118	30010	30449	30449	1.380	110		
Demand (MGD)	3.008	3.095	3.203	3.301	3.349	3.349				
PINELLAS COUNTY UTILITIES										
Municipal Population Served	53	53	54	58	60	60				
Demand (MGD)	0.008	0.006	0.008	0.008	0.007	0.007	1.343	107		
Total Utility Service Area Population	374525	380097	388216	401241	410017	410017	1.545	107		
Demand (MGD)	40.074	40.670	41.539	42.933	43.872	43.872				
DOMESTIC SELF SUPPLY										
Municipal Population Served	88	99	120	120	120	120		71		
Demand (MGD)	0.009	0.011	0.013	0.013	0.013	0.013		/1		
MUNICIPAL POPULATION	24720	25414	26227	27014	27418	27416		110*		
TOTAL DEMAND (MUNICIPAL)	2.719	2.796	2.885	2.971	3.016	3.016	,			
TOTAL DEMAND (UTILITIES)	43/31	43.776	44.755	46.244	47.234	47.234				
*Weighted mean per capita of utilities serving within communication										

Demand Analysis

TAMPA BAY PLANNING REGION

TARPON SPRINGS

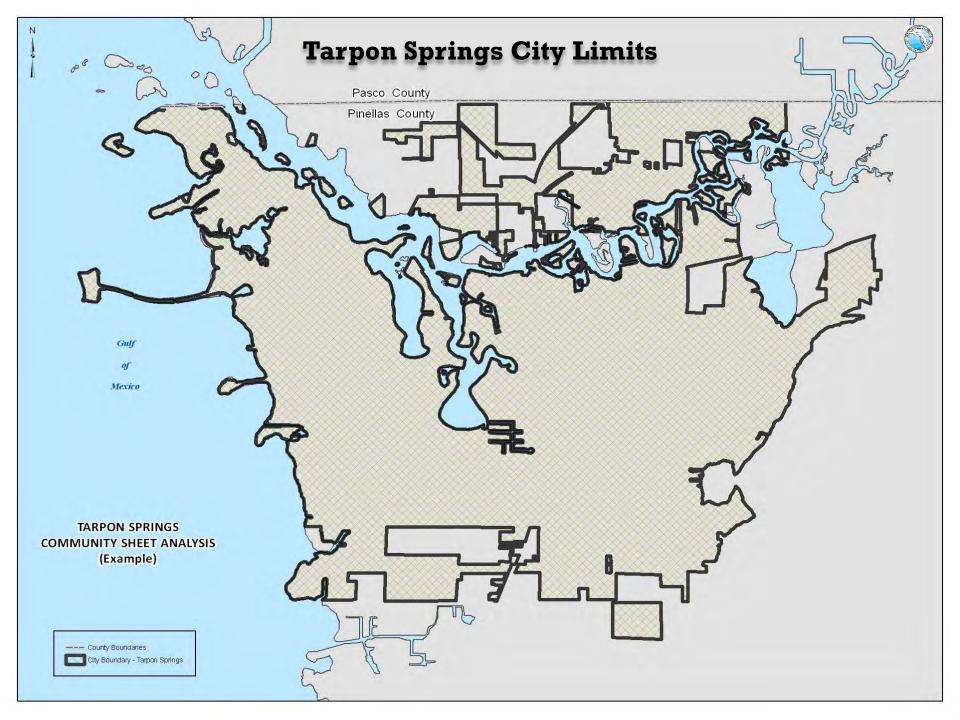
DEMAND ANALYSIS

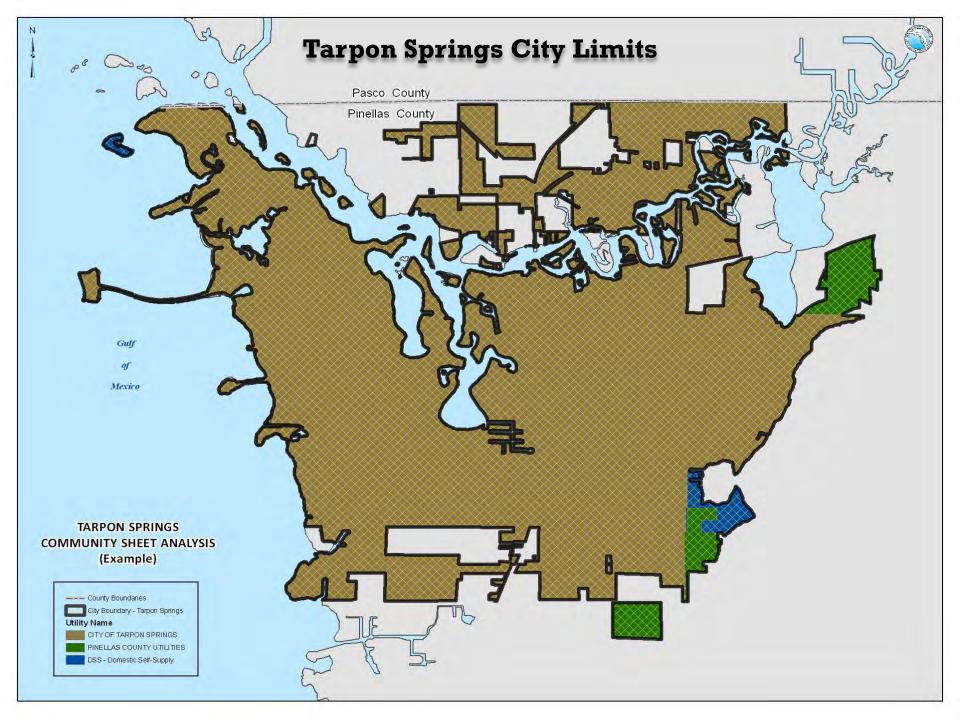
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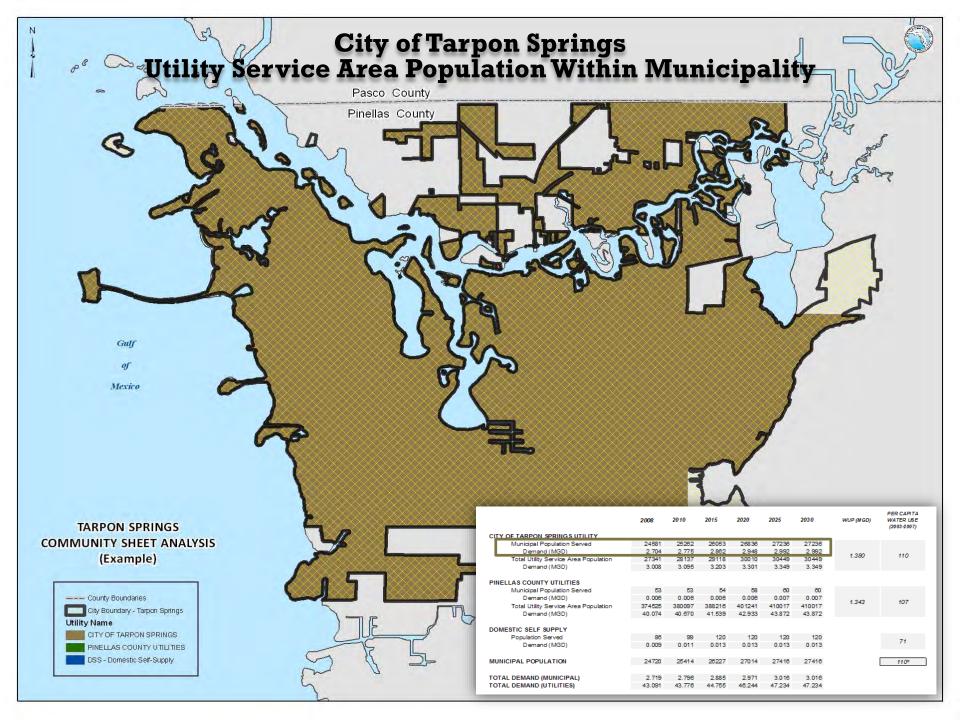
* Weighted mean per capita of utilities serving within community jurisdiction

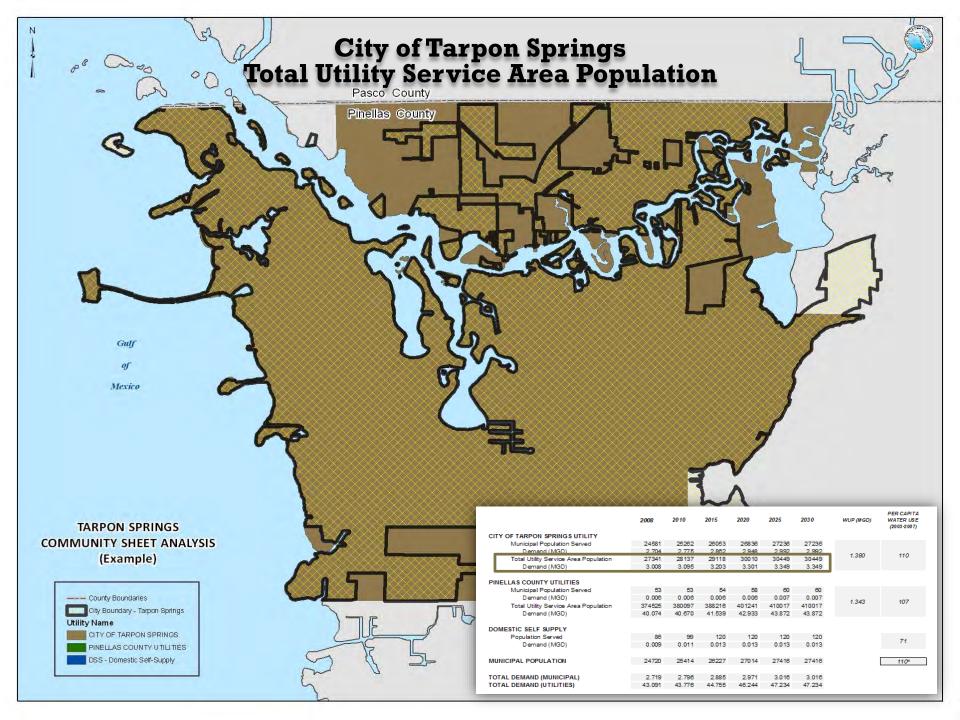
Demand Analysis

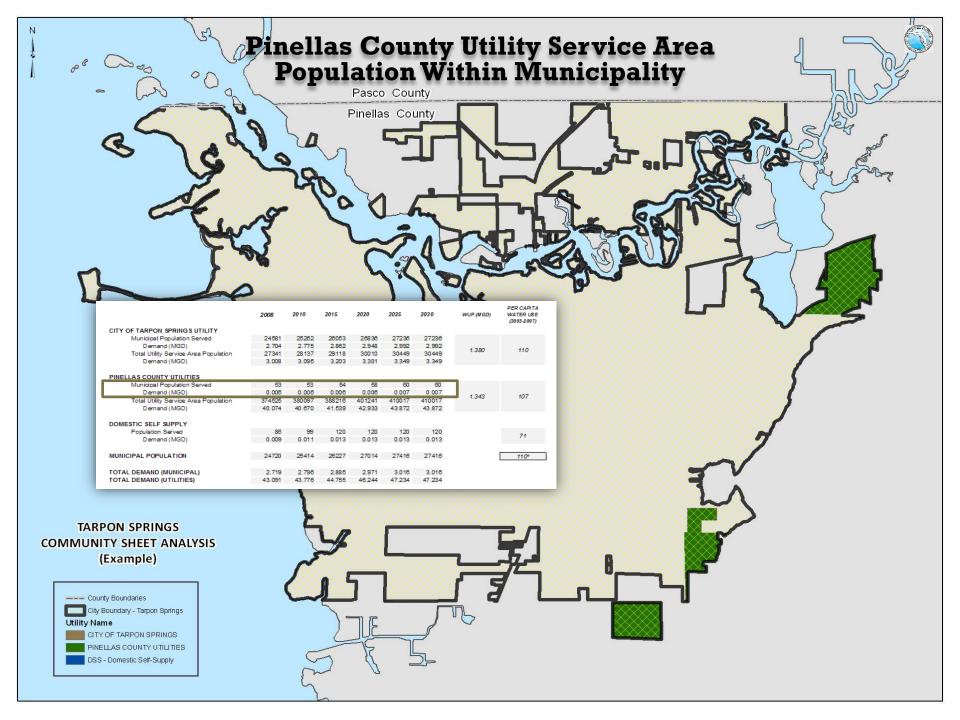
TAMPA BAY PLANNING REGION TARPON SPRINGS DEMAND ANALYSIS PER CAPITA 2010 2015 2020 2025 2030 2008 WUP (MGD) WATER USE (2003-2007) CITY OF TARPON SPRINGS UTILITY 24581 25262 26053 26836 Municipal Population Served 27238 27236 Demand (MGD) 2.704 2.775 2.862 2.948 2.992 2.992 1.380 110 Total Utility Service Area Population 27341 28137 29118 30010 30449 30449 Demand (MGD) 3.008 3.095 3.203 3.301 3.349 3.349 PINELLAS COUNTY UTILITIES 53 Municipal Population Served 53 54 58 60 60 0.008 Demand (MGD) 0.008 0.006 0.008 0.007 0.007 1.343 107 Total Utility Service Area Population 374525 380097 388216 401241 410017 410017 40.670 43.872 Demand (MGD) 40.074 41.539 42.933 43.872 DOMESTIC SELF SUPPLY 86 Municipal Population Served 99 120 120 120 120 71 0.009 Demand (MGD) 0.011 0.013 0.013 0.013 0.013 24720 MUNICIPAL POPULATION 25414 26227 27014 27416 27416 110° 2.796 3.016 TOTAL DEMAND (MUNICIPAL) 2.719 2.885 2.971 3.016 TOTAL DEMAND (UTILITIES) 43.091 43.776 44.755 46.244 47.234 47.234 * Weighted mean per capita of utilities serving within community jurisdiction

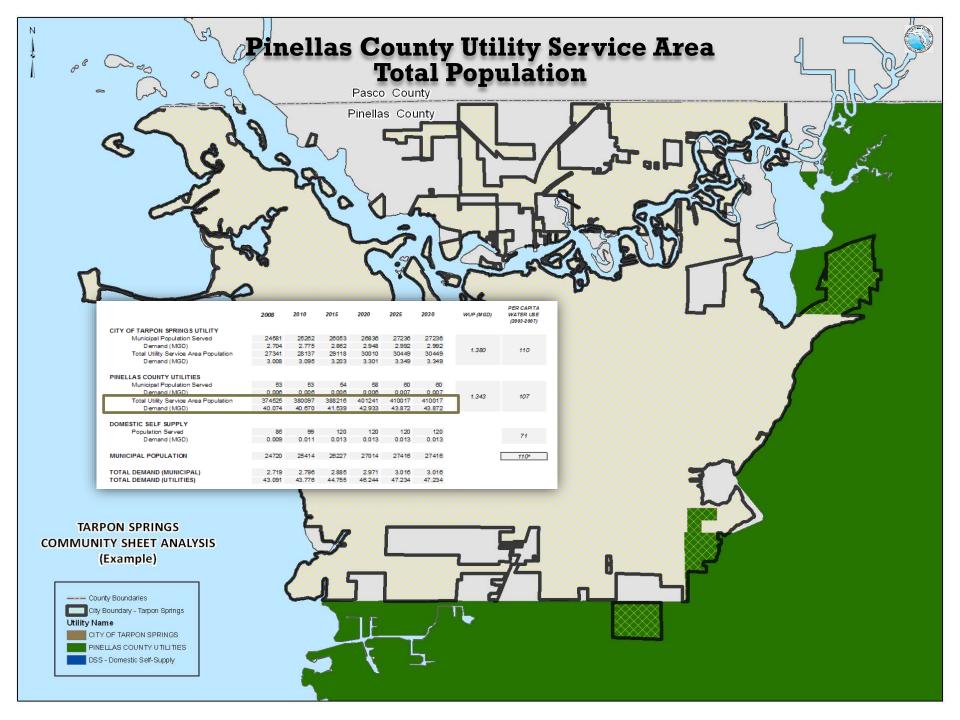


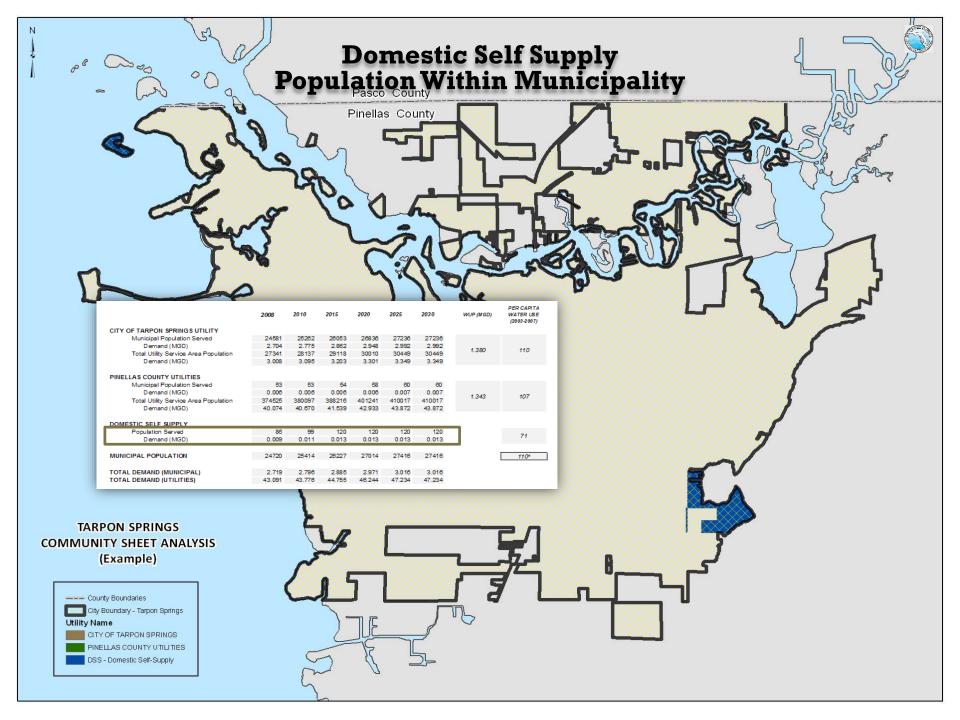












Supply Analysis

TARPON SPRINGS								
DEMA ND A NA LYSIS								
	2008	2010	2015	2020	2025	2030	WUP (MGD)	PER CAPITA WATER USE (2003-2007)
CITY OF TARPON SPRINGS UTILITY								
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TOTAL DEMAND (UTILITIES)	43.091	43.776	44.755	46.244	47.234	47.234		
				* Weighted	mean per ca	solte of utilities	serving within com	munity Jurisdiction
		SUPPL	LY ANA LYS	IS				
EXISTING SOURCES	,	CURRENT YI	and the second					
Total Utility WUP Quantities		2.72						
Total Domestic Self Supply		0.00 1423						
Water Supply Authority WUP Quantities		1423	46					
Total Current Yield		145.0	048					
TOTAL UTILITIES SERVING COMMUNITY SURP	LUS/(DEFIC	IT)					N/A	1
FITTIES SOURCE OPTIONS*			L YIELD (MG	D)	RE	ESPONSIBLE	ENTITY	
FUTURE SOURCE OPTIONS*	2030	POTENTIAL						
FUTURE \$OURCE OPTIONS* Conservation	2030	POTENTIAL						
	2030	POTENTIAL 1.08	14		City of	f Tarpon Spir	inas Utilities	
Conse wation	2030					f Tarpon Sp f f Tarpon Sp f		
Conservation Indoor	2030	1.08	95		City of		ings Utilities	
Conservation Indoor Outdoor	2030	1.08 0.29	95 28		City of City of	f Tarpon Sp f	ings Utilities ings Utilities	
Indoor Outdoor Reclaimed	2036	1.08 0.29 1.02	95 28 000		City of City of	f Tarpon Sp f f Tarpon Sp f	ings Utilities ings Utilities Water	

^{*} See RWSP Appendix X for complete listing of water supply project options

Components of Supply Analysis

- Permitted quantities
 - Water Management Information System (WMIS)
- Source options
 - 2015 RWSP



Supply Analysis

SUPPLY ANALYSIS

2030 POTENTIAL YIELD (MGD)

E 1/4	OTI	110	0.01	100		
⊢ XI	511	NIC-	SOL	шк	_	-

 CURRENT YIELD (MG D)

 Total Utility WUP Quantities
 2.723

 Total Domestic Self Supply
 0.009

 Water Supply Authority WUP Quantities
 142.316

Total Current Yield 145.048

TOTAL UTILITIES SERVING COMMUNITY SURPLUS/(DEFICIT)

N/A

FUTURE SOURCE OPTIONS*

 Conservation
 1.084

 Indoor
 0.295

 Reclaimed
 1.028

 Seawater Desalination
 35.000

 Surface Water
 10.500

 Brack is h Groundwater Desalination
 10.000

RESPONSIBLE ENTITY

City of Tarpon Springs Utilities
City of Tarpon Springs Utilities
City of Tarpon Springs Utilities
Tampa Bay Water
Multiple
Multiple

^{*} See RWSP Appendix X for complete listing of water supply project options