

Community Planning Pages Technical Assistance





District Contacts

- Northern & Tampa Bay Planning Regions – Trisha Neasman
 - trisha.neasman@watermatters.org
 - (800) 423-1476 x4407
- Heartland & Southern Planning Regions – Jim Golden
 - james.golden@watermatters.org
 - (800) 423-1476 x4790



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-and-development/programs/community-planning-table-of-contents/water-supply-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 GIS-based model
- Analysis of existing sources and future supply source options
- Tool for updating Work Plans

The Community Sheet

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	27236	27236		
Demand (MGD)	2.704	2.775	2.862	2.948	2.992	2.992		
Total Utility Service Area Population	27341	28137	29116	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)	0.006	0.006	0.006	0.006	0.007	0.007	1,343	107
Total Utility Service Area Population	374525	380097	388216	401241	410017	410017		
Demand (MGD)	40.074	40.670	41.539	42.933	43.872	43.872		
DOMESTIC SELF SUPPLY								
Municipal Population Served	86	99	120	120	120	120		71
Demand (MGD)	0.009	0.011	0.013	0.013	0.013	0.013		
MUNICIPAL POPULATION	24720	25414	26227	27014	27416	27416		110*
TOTAL DEMAND (MUNICIPAL)	2.719	2.796	2.885	2.971	3.016	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

EXISTING SOURCES

	CURRENT YIELD (MGD)
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*

	2030 POTENTIAL YIELD (MGD)	RESPONSIBLE ENTITY
Conservation		
Indoor	1.084	City of Tarpon Springs Utilities
Outdoor	0.295	City of Tarpon Springs Utilities
Reclaimed	1.028	City of Tarpon Springs Utilities
Seawater Desalination	35.000	Tampa Bay Water
Surface Water	10.500	Multiple
Brackish Groundwater Desalination	10.000	Multiple

* 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

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Demand Analysis

TAMPA BAY PLANNING REGION

TARPON SPRINGS

DEMAND ANALYSIS

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Demand Analysis

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TARPON SPRINGS

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Tarpon Springs City Limits

Pasco County

Pinellas County

Gulf
of
Mexico

TARPON SPRINGS
COMMUNITY SHEET ANALYSIS
(Example)

County Boundaries
City Boundary - Tarpon Springs



Tarpon Springs City Limits

Pasco County

Pinellas County

Gulf
of
Mexico

TARPON SPRINGS
COMMUNITY SHEET ANALYSIS
(Example)

County Boundaries

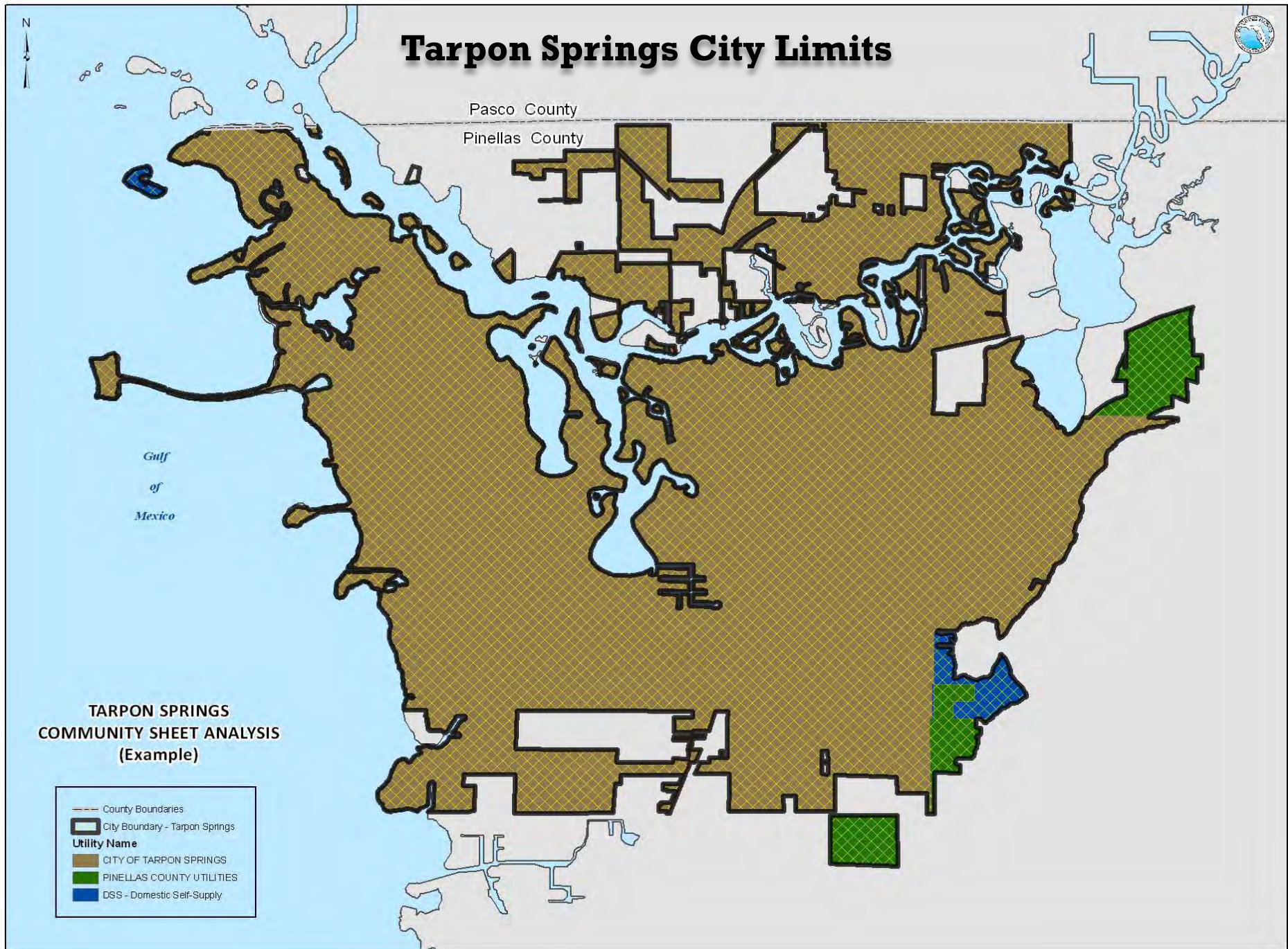
City Boundary - Tarpon Springs

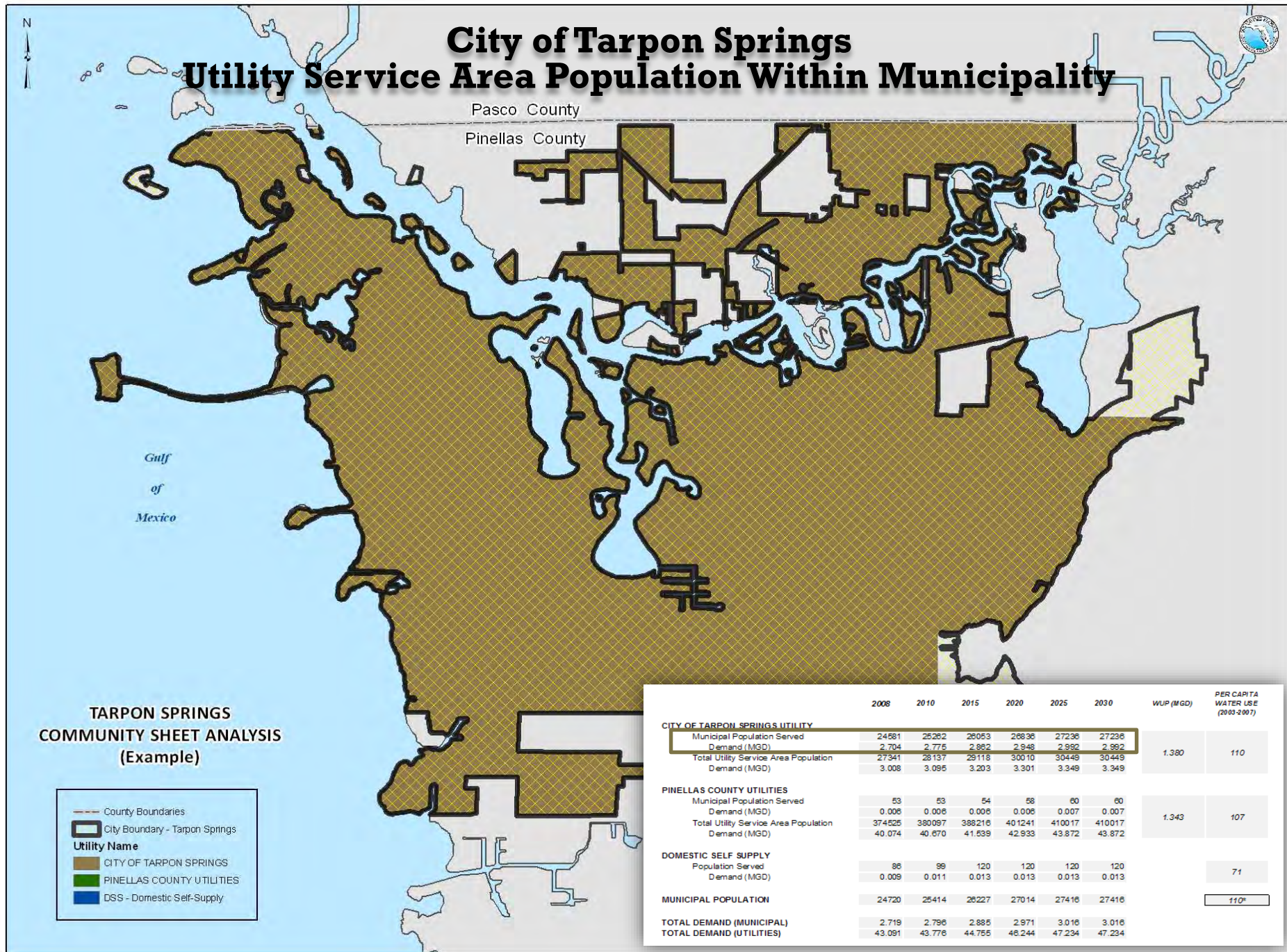
Utility Name

CITY OF TARPON SPRINGS

PINELLAS COUNTY UTILITIES

DSS - Domestic Self-Supply





City of Tarpon Springs Total Utility Service Area Population

Pasco County

Pinellas County

Gulf
of
Mexico

TARPON SPRINGS COMMUNITY SHEET ANALYSIS (Example)

- County Boundaries
- City Boundary - Tarpon Springs
- Utility Name
- CITY OF TARPON SPRINGS
- PINELLAS COUNTY UTILITIES
- DSS - Domestic Self-Supply

	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	27236	27236		
Demand (MGD)	2.704	2.775	2.882	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)	0.006	0.006	0.006	0.006	0.007	0.007	1.343	107
Total Utility Service Area Population	374525	380097	388216	401241	410017	410017		
Demand (MGD)	40.074	40.670	41.539	42.933	43.872	43.872		
DOMESTIC SELF SUPPLY								
Population Served	86	99	120	120	120	120		71
Demand (MGD)	0.009	0.011	0.013	0.013	0.013	0.013		
MUNICIPAL POPULATION								
	24720	25414	26227	27014	27416	27416		110*
TOTAL DEMAND (MUNICIPAL)								
	2.719	2.796	2.885	2.971	3.016	3.016		
TOTAL DEMAND (UTILITIES)								
	43.091	43.776	44.755	46.244	47.234	47.234		

Pinellas County Utility Service Area Population Within Municipality

Pasco County

Pinellas County



	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	26636	27236	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								
Municipal Population Served	83	83	84	88	80	80		
Demand (MGD)	0.006	0.006	0.006	0.006	0.007	0.007	1.343	107
Total Utility Service Area Population	374525	380097	388216	401241	410017	410017		
Demand (MGD)	40.074	40.670	41.539	42.933	43.872	43.872		
DOMESTIC SELF SUPPLY								
Population Served	86	99	120	120	120	120		
Demand (MGD)	0.009	0.011	0.013	0.013	0.013	0.013		71
MUNICIPAL POPULATION								110*
TOTAL DEMAND (MUNICIPAL)	2.719	2.796	2.885	2.971	3.016	3.016		
TOTAL DEMAND (UTILITIES)	43.091	43.776	44.755	46.244	47.234	47.234		

**TARPON SPRINGS
COMMUNITY SHEET ANALYSIS
(Example)**

- County Boundaries
- City Boundary - Tarpon Springs
- Utility Name**
- CITY OF TARPON SPRINGS
- PINELLAS COUNTY UTILITIES
- DSS - Domestic Self-Supply

Pinellas County Utility Service Area Total Population

Pasco County

Pinellas County



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CITY OF TARPON SPRINGS UTILITY								
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Demand (MGD)	3.008	3.095	3.203	3.301	3.349	3.349		
PINELLAS COUNTY UTILITIES								
Municipal Population Served	53	53	54	56	60	60		
Demand (MGD)	0.006	0.006	0.006	0.006	0.007	0.007	1.343	107
Total Utility Service Area Population	374525	380097	388216	401241	410017	410017		
Demand (MGD)	40.074	40.670	41.539	42.933	43.872	43.872		
DOMESTIC SELF SUPPLY								
Population Served	86	99	120	120	120	120		
Demand (MGD)	0.009	0.011	0.013	0.013	0.013	0.013		71
MUNICIPAL POPULATION							110*	
24720	25414	26227	27014	27416	27416			
TOTAL DEMAND (MUNICIPAL)								
2.719	2.796	2.885	2.971	3.016	3.016			
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43.091	43.776	44.755	46.244	47.234	47.234			

**TARPON SPRINGS
COMMUNITY SHEET ANALYSIS
(Example)**

- County Boundaries
- City Boundary - Tarpon Springs
- Utility Name**
- CITY OF TARPON SPRINGS
- PINELLAS COUNTY UTILITIES
- DSS - Domestic Self-Supply

Domestic Self Supply Population Within Municipality

Pasco County

Pinellas County



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CITY OF TARPON SPRINGS UTILITY								
Municipal Population Served	24581	25262	26053	26836	27236	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		
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PINELLAS COUNTY UTILITIES								
Municipal Population Served	53	53	54	56	60	60		
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Total Utility Service Area Population	374525	380097	388216	401241	410017	410017		
Demand (MGD)	40.074	40.670	41.539	42.933	43.872	43.872		
DOMESTIC SELF SUPPLY								
Population Served	86	99	120	120	120	120		
Demand (MGD)	0.009	0.011	0.013	0.013	0.013	0.013		71
MUNICIPAL POPULATION							110*	
	24720	25414	26227	27014	27416	27416		
TOTAL DEMAND (MUNICIPAL)								
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COMMUNITY SHEET ANALYSIS
(Example)**

- County Boundaries
- City Boundary - Tarpon Springs
- Utility Name
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- PINELLAS COUNTY UTILITIES
- DSS - Domestic Self-Supply

Supply Analysis

TAMPA BAY PLANNING REGION

TARPON SPRINGS

DEMAND ANALYSIS

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CITY OF TARPON SPRINGS UTILITY								
Municipal Population Served	2,4581	25,262	26,053	26,836	27,236	27,236		
Demand (MGD)	2.704	2.775	2.862	2.948	2.992	2.992		
Total Utility Service Area Population	27,341	28,137	29,116	30,010	30,449	30,449	1,380	110
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DOMESTIC SELF SUPPLY								
Municipal Population Served	86	99	120	120	120	120		
Demand (MGD)	0.009	0.011	0.013	0.013	0.013	0.013		71
MUNICIPAL POPULATION	24,720	25,414	26,227	27,014	27,416	27,416		110*
TOTAL DEMAND (MUNICIPAL)	2.719	2.796	2.885	2.971	3.016	3.016		
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SUPPLY ANALYSIS

EXISTING SOURCES

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FUTURE SOURCE OPTIONS*

	2030 POTENTIAL YIELD (MGD)	RESPONSIBLE ENTITY
Conservation		
Indoor	1.084	City of Tarpon Springs Utilities
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Reclaimed	1.028	City of Tarpon Springs Utilities
Seawater Desalination	35.000	Tampa Bay Water
Surface Water	10.500	Multiple
Brackish Groundwater Desalination	10.000	Multiple

* 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

EXISTING SOURCES

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