

# **Community Planning Pages Technical Assistance**



## District Contacts

- Northern & Tampa Bay Planning Regions – Trisha Neasman
  - [trisha.neasman@watermatters.org](mailto:trisha.neasman@watermatters.org)
  - (800) 423-1476 x4407
- Heartland & Southern Planning Regions – Jim Golden
  - [james.golden@watermatters.org](mailto: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, 2022)
- 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 - <https://www.sfwmd.gov/doing-business-with-us/work-plans>

## 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) |
|---------------------------------------|--------|--------|--------|--------|--------|--------|-----------|----------------------------------|
| <b>CITY OF TARPON SPRINGS UTILITY</b> |        |        |        |        |        |        |           |                                  |
| 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  | 29118  | 30010  | 30449  | 30449  | 1,380     | 110                              |
| Demand (MGD)                          | 3.008  | 3.095  | 3.203  | 3.301  | 3.349  | 3.349  |           |                                  |
| <b>PINELLAS COUNTY UTILITIES</b>      |        |        |        |        |        |        |           |                                  |
| 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 |           |                                  |
| <b>DOMESTIC SELF SUPPLY</b>           |        |        |        |        |        |        |           |                                  |
| Municipal Population Served           | 86     | 99     | 120    | 120    | 120    | 120    |           | 71                               |
| Demand (MGD)                          | 0.009  | 0.011  | 0.013  | 0.013  | 0.013  | 0.013  |           |                                  |
| <b>MUNICIPAL POPULATION</b>           | 24720  | 25414  | 26227  | 27014  | 27416  | 27416  |           | 110*                             |
| <b>TOTAL DEMAND (MUNICIPAL)</b>       | 2.719  | 2.796  | 2.885  | 2.971  | 3.016  | 3.016  |           |                                  |
| <b>TOTAL DEMAND (UTILITIES)</b>       | 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             |
| <b>Total Current Yield</b>            | 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

#### DEMAND ANALYSIS

|                                       | 2008   | 2010   | 2015   | 2020   | 2025   | 2030   | WUP (MGD) | PER CAPITA<br>WATER USE<br>(2003-2007) |
|---------------------------------------|--------|--------|--------|--------|--------|--------|-----------|--|
| <b>CITY OF TARPON SPRINGS UTILITY</b> |        |        |        |        |        |        |           |  |
| 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  |           |  |
| Demand (MGD)                          | 3.008  | 3.095  | 3.203  | 3.301  | 3.349  | 3.349  |           |  |
| <b>PINELLAS COUNTY UTILITIES</b>      |        |        |        |        |        |        |           |  |
| 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 |           |  |
| <b>DOMESTIC SELF SUPPLY</b>           |        |        |        |        |        |        |           |  |
| Municipal Population Served           | 86     | 99     | 120    | 120    | 120    | 120    |           | 71                                     |
| Demand (MGD)                          | 0.009  | 0.011  | 0.013  | 0.013  | 0.013  | 0.013  |           |  |
| <b>MUNICIPAL POPULATION</b>           | 24720  | 25414  | 26227  | 27014  | 27416  | 27416  |           | 110*                                   |
| <b>TOTAL DEMAND (MUNICIPAL)</b>       | 2.719  | 2.796  | 2.885  | 2.971  | 3.016  | 3.016  |           |  |
| <b>TOTAL DEMAND (UTILITIES)</b>       | 43.081 | 43.776 | 44.755 | 46.244 | 47.234 | 47.234 |           |  |

\* Weighted mean per capita of utilities serving within community jurisdiction

\* Community Sheet data shown is fictional and only intended for presentation purposes.

# Demand Analysis

## TAMPA BAY PLANNING REGION

### TARPON SPRINGS

#### DEMAND ANALYSIS

|                                       | 2008   | 2010   | 2015   | 2020   | 2025   | 2030   | WUP (MGD) | PER CAPITA<br>WATER USE<br>(2003-2007) |
|---------------------------------------|--------|--------|--------|--------|--------|--------|-----------|--|
| <b>CITY OF TARPON SPRINGS UTILITY</b> |        |        |        |        |        |        |           |  |
| Municipal Population Served           | 24581  | 25262  | 26053  | 26836  | 27236  | 27236  | 1.380     | 110                                    |
| 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  |           |  |
| Demand (MGD)                          | 3.008  | 3.095  | 3.203  | 3.301  | 3.349  | 3.349  |           |  |
| <b>PINELLAS COUNTY UTILITIES</b>      |        |        |        |        |        |        |           |  |
| Municipal Population Served           | 53     | 53     | 54     | 58     | 60     | 60     | 1.343     | 107                                    |
| Demand (MGD)                          | 0.006  | 0.006  | 0.006  | 0.006  | 0.007  | 0.007  |           |  |
| 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 |           |  |
| <b>DOMESTIC SELF SUPPLY</b>           |        |        |        |        |        |        |           |  |
| Municipal Population Served           | 86     | 99     | 120    | 120    | 120    | 120    |           | 71                                     |
| Demand (MGD)                          | 0.009  | 0.011  | 0.013  | 0.013  | 0.013  | 0.013  |           |  |
| <b>MUNICIPAL POPULATION</b>           | 24720  | 25414  | 26227  | 27014  | 27416  | 27416  | 110*      |  |
| <b>TOTAL DEMAND (MUNICIPAL)</b>       | 2.719  | 2.796  | 2.885  | 2.971  | 3.016  | 3.016  |           |  |
| <b>TOTAL DEMAND (UTILITIES)</b>       | 43.091 | 43.776 | 44.755 | 46.244 | 47.234 | 47.234 |           |  |

\* Weighted mean per capita of utilities serving within community jurisdiction

\* Community Sheet data shown is fictional and only intended for presentation purposes.



# Demand Analysis

## TAMPA BAY PLANNING REGION

### TARPON SPRINGS

#### DEMAND ANALYSIS

|                                       | 2008   | 2010   | 2015   | 2020   | 2025   | 2030   | WUP (MGD) | PER CAPITA<br>WATER USE<br>(2003-2007) |
|---------------------------------------|--------|--------|--------|--------|--------|--------|-----------|--|
| <b>CITY OF TARPON SPRINGS UTILITY</b> |        |        |        |        |        |        |           |  |
| 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  |           |  |
| Demand (MGD)                          | 3.008  | 3.095  | 3.203  | 3.301  | 3.349  | 3.349  |           |  |
| <b>PINELLAS COUNTY UTILITIES</b>      |        |        |        |        |        |        |           |  |
| 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 |           |  |
| <b>DOMESTIC SELF SUPPLY</b>           |        |        |        |        |        |        |           |  |
| Municipal Population Served           | 86     | 99     | 120    | 120    | 120    | 120    |           | 71                                     |
| Demand (MGD)                          | 0.009  | 0.011  | 0.013  | 0.013  | 0.013  | 0.013  |           |  |
| <b>MUNICIPAL POPULATION</b>           | 24720  | 25414  | 26227  | 27014  | 27416  | 27416  |           | 110*                                   |
| <b>TOTAL DEMAND (MUNICIPAL)</b>       | 2.719  | 2.796  | 2.885  | 2.971  | 3.016  | 3.016  |           |  |
| <b>TOTAL DEMAND (UTILITIES)</b>       | 43.091 | 43.776 | 44.755 | 46.244 | 47.234 | 47.234 |           |  |

\* Weighted mean per capita of utilities serving within community jurisdiction

\* Community Sheet data shown is fictional and only intended for presentation purposes.

# Tarpon Springs City Limits

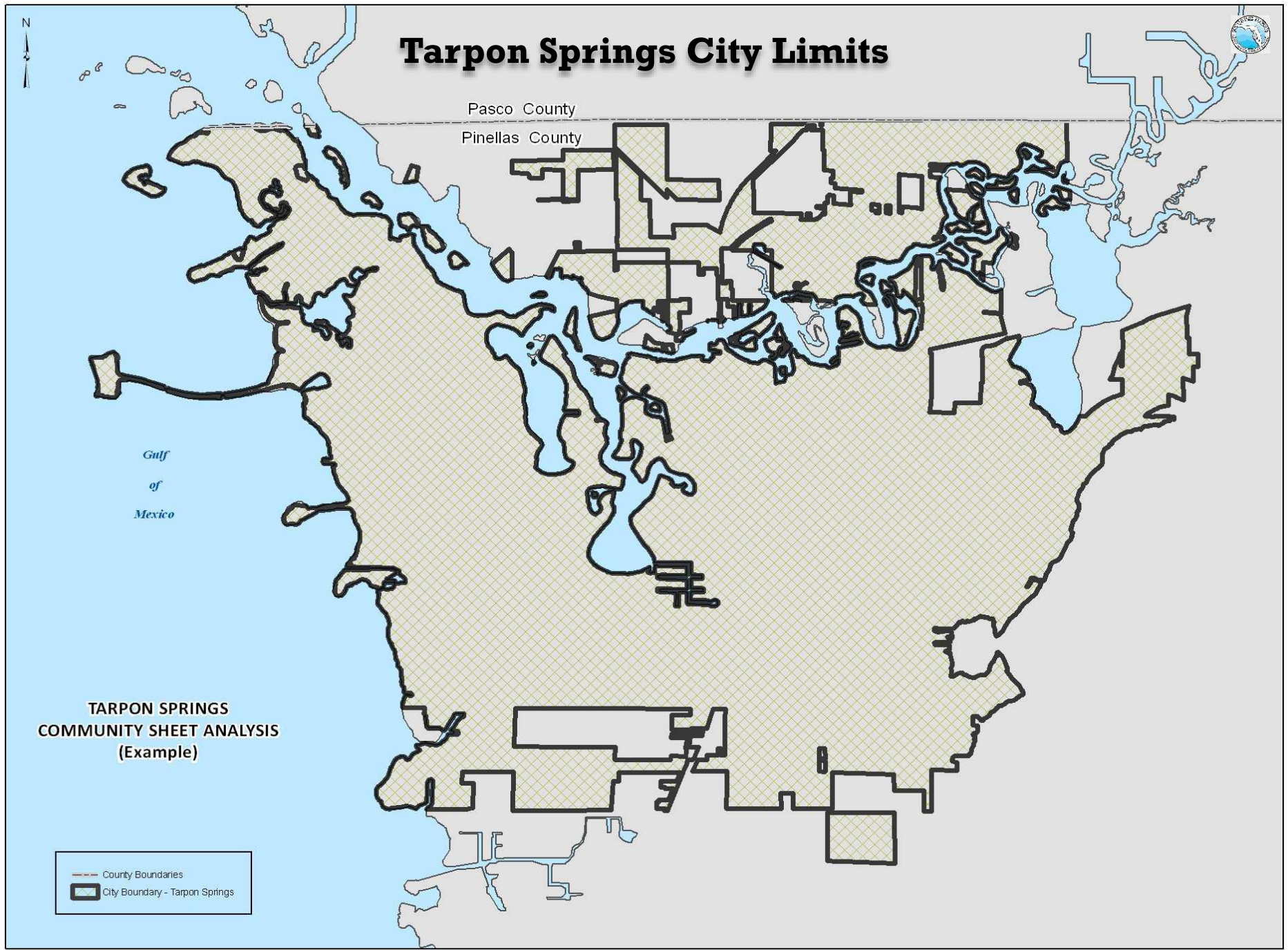
Pasco County

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

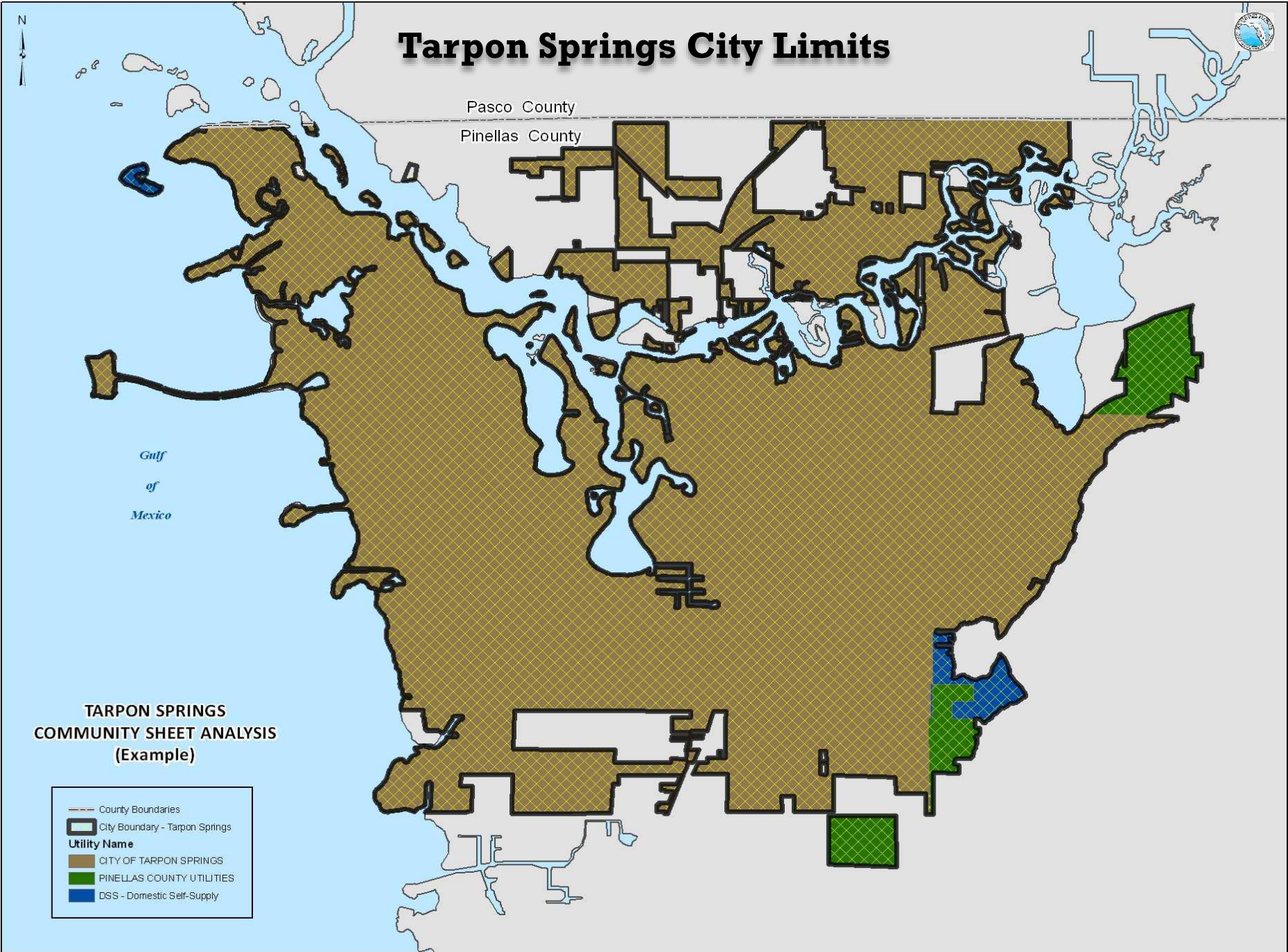
City Boundary - Tarpon Springs

Utility Name

CITY OF TARPON SPRINGS

PINELLAS COUNTY UTILITIES

DSS - Domestic Self-Supply





# City of Tarpon Springs Utility Service Area Population Within Municipality

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<br>WATER USE<br>(2003-2007) |
|---------------------------------------|--------|--------|--------|--------|--------|--------|-----------|--|
| <b>CITY OF TARPON SPRINGS UTILITY</b> |        |        |        |        |        |        |           |  |
| Municipal Population Served           | 24581  | 25282  | 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  | 30448  | 30448  |           |  |
| Demand (MGD)                          | 3.008  | 3.095  | 3.203  | 3.301  | 3.349  | 3.349  | 1.380     | 110                                    |
| <b>PINELLAS COUNTY UTILITIES</b>      |        |        |        |        |        |        |           |  |
| Municipal Population Served           | 53     | 53     | 54     | 56     | 60     | 60     |           |  |
| Demand (MGD)                          | 0.006  | 0.006  | 0.006  | 0.006  | 0.007  | 0.007  |           |  |
| Total Utility Service Area Population | 374525 | 380097 | 388216 | 401241 | 410017 | 410017 | 1.343     | 107                                    |
| Demand (MGD)                          | 40.074 | 40.670 | 41.539 | 42.933 | 43.872 | 43.872 |           |  |
| <b>DOMESTIC SELF SUPPLY</b>           |        |        |        |        |        |        |           |  |
| Population Served                     | 86     | 96     | 120    | 120    | 120    | 120    |           |  |
| Demand (MGD)                          | 0.009  | 0.011  | 0.013  | 0.013  | 0.013  | 0.013  |           | 71                                     |
| <b>MUNICIPAL POPULATION</b>           |        |        |        |        |        |        |           |  |
|                                       | 24720  | 25414  | 26227  | 27014  | 27416  | 27416  |           | 110*                                   |
| <b>TOTAL DEMAND (MUNICIPAL)</b>       |        |        |        |        |        |        |           |  |
|                                       | 2.719  | 2.796  | 2.885  | 2.971  | 3.016  | 3.016  |           |  |
| <b>TOTAL DEMAND (UTILITIES)</b>       |        |        |        |        |        |        |           |  |
|                                       | 43.091 | 43.776 | 44.755 | 46.244 | 47.234 | 47.234 |           |  |



# 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<br>WATER USE<br>(2003-2007) |
|---------------------------------------|--------|--------|--------|--------|--------|--------|-----------|--|
| <b>CITY OF TARPON SPRINGS UTILITY</b> |        |        |        |        |        |        |           |  |
| 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  |           |  |
| <b>PINELLAS COUNTY UTILITIES</b>      |        |        |        |        |        |        |           |  |
| Municipal Population Served           | 53     | 53     | 54     | 56     | 60     | 60     |           |  |
| Demand (MGD)                          | 0.006  | 0.006  | 0.006  | 0.006  | 0.007  | 0.007  |           |  |
| Total Utility Service Area Population | 374525 | 380097 | 388216 | 401241 | 410017 | 410017 | 1.343     | 107                                    |
| Demand (MGD)                          | 40.074 | 40.670 | 41.539 | 42.933 | 43.872 | 43.872 |           |  |
| <b>DOMESTIC SELF SUPPLY</b>           |        |        |        |        |        |        |           |  |
| Population Served                     | 86     | 96     | 120    | 120    | 120    | 120    |           |  |
| Demand (MGD)                          | 0.009  | 0.011  | 0.013  | 0.013  | 0.013  | 0.013  |           | 71                                     |
| <b>MUNICIPAL POPULATION</b>           |        |        |        |        |        |        |           |  |
|                                       | 24720  | 25414  | 26227  | 27014  | 27416  | 27416  |           | 110*                                   |
| <b>TOTAL DEMAND (MUNICIPAL)</b>       |        |        |        |        |        |        |           |  |
|                                       | 2.719  | 2.796  | 2.885  | 2.971  | 3.016  | 3.016  |           |  |
| <b>TOTAL DEMAND (UTILITIES)</b>       |        |        |        |        |        |        |           |  |
|                                       | 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<br>WATER USE<br>(2003-2007) |
|---------------------------------------|--------|--------|--------|--------|--------|--------|-----------|--|
| <b>CITY OF TARPON SPRINGS UTILITY</b> |        |        |        |        |        |        |           |  |
| 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  |           |  |
| Demand (MGD)                          | 3.008  | 3.095  | 3.203  | 3.301  | 3.349  | 3.349  |           |  |
| <b>PINELLAS COUNTY UTILITIES</b>      |        |        |        |        |        |        |           |  |
| 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 | 37425  | 38097  | 388216 | 401241 | 410017 | 410017 |           |  |
| Demand (MGD)                          | 40.074 | 40.670 | 41.539 | 42.933 | 43.872 | 43.872 |           |  |
| <b>DOMESTIC SELF SUPPLY</b>           |        |        |        |        |        |        |           |  |
| Population Served                     | 86     | 99     | 120    | 120    | 120    | 120    |           |  |
| Demand (MGD)                          | 0.009  | 0.011  | 0.013  | 0.013  | 0.013  | 0.013  |           | 71                                     |
| <b>MUNICIPAL POPULATION</b>           |        |        |        |        |        |        |           |  |
|                                       | 24720  | 25414  | 26227  | 27014  | 27416  | 27416  |           | 110*                                   |
| <b>TOTAL DEMAND (MUNICIPAL)</b>       |        |        |        |        |        |        |           |  |
|                                       | 2.719  | 2.796  | 2.885  | 2.971  | 3.016  | 3.016  |           |  |
| <b>TOTAL DEMAND (UTILITIES)</b>       |        |        |        |        |        |        |           |  |
|                                       | 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



|                                       | 2008   | 2010   | 2015   | 2020   | 2025   | 2030   | WUP (MGD) | PER CAPITA<br>WATER USE<br>(2005-2007) |
|---------------------------------------|--------|--------|--------|--------|--------|--------|-----------|--|
| <b>CITY OF TARPON SPRINGS UTILITY</b> |        |        |        |        |        |        |           |  |
| 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  |           |  |
| <b>PINELLAS COUNTY UTILITIES</b>      |        |        |        |        |        |        |           |  |
| 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 |           |  |
| <b>DOMESTIC SELF SUPPLY</b>           |        |        |        |        |        |        |           |  |
| Population Served                     | 88     | 99     | 120    | 120    | 120    | 120    |           | 71                                     |
| Demand (MGD)                          | 0.009  | 0.011  | 0.013  | 0.013  | 0.013  | 0.013  |           |  |
| <b>MUNICIPAL POPULATION</b>           |        |        |        |        |        |        |           |  |
|                                       | 24720  | 25414  | 26227  | 27014  | 27416  | 27416  |           | 110*                                   |
| <b>TOTAL DEMAND (MUNICIPAL)</b>       |        |        |        |        |        |        |           |  |
|                                       | 2.719  | 2.796  | 2.895  | 2.971  | 3.016  | 3.016  |           |  |
| <b>TOTAL DEMAND (UTILITIES)</b>       |        |        |        |        |        |        |           |  |
|                                       | 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



|                                       | 2008   | 2010   | 2015   | 2020   | 2025   | 2030   | WUP (MGD)   | PER CAPITA<br>WATER USE<br>(2005-2007) |
|---------------------------------------|--------|--------|--------|--------|--------|--------|-------------|--|
| <b>CITY OF TARPON SPRINGS UTILITY</b> |        |        |        |        |        |        |             |  |
| 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  |             |  |
| <b>PINELLAS COUNTY UTILITIES</b>      |        |        |        |        |        |        |             |  |
| 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 |             |  |
| <b>DOMESTIC SELF SUPPLY</b>           |        |        |        |        |        |        |             |  |
| Population Served                     | 88     | 99     | 120    | 120    | 120    | 120    |             |  |
| Demand (MGD)                          | 0.009  | 0.011  | 0.013  | 0.013  | 0.013  | 0.013  |             | 71                                     |
| <b>MUNICIPAL POPULATION</b>           |        |        |        |        |        |        | <b>110*</b> |  |
|                                       | 24720  | 25414  | 26227  | 27014  | 27416  | 27416  |             |  |
| <b>TOTAL DEMAND (MUNICIPAL)</b>       |        |        |        |        |        |        |             |  |
|                                       | 2.719  | 2.796  | 2.895  | 2.971  | 3.016  | 3.016  |             |  |
| <b>TOTAL DEMAND (UTILITIES)</b>       |        |        |        |        |        |        |             |  |
|                                       | 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



# Supply Analysis

## TAMPA BAY PLANNING REGION

### TARPON SPRINGS

#### DEMAND ANALYSIS

|                                       | 2008   | 2010   | 2015   | 2020   | 2025   | 2030   | WUP (MGD) | PER CAPITA WATER USE (2003-2007) |
|---------------------------------------|--------|--------|--------|--------|--------|--------|-----------|----------------------------------|
| <b>CITY OF TARPON SPRINGS UTILITY</b> |        |        |        |        |        |        |           |                                  |
| 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  | 29118  | 30010  | 30449  | 30449  | 1,380     | 110                              |
| Demand (MGD)                          | 3.008  | 3.095  | 3.203  | 3.301  | 3.349  | 3.349  |           |                                  |
| <b>PINELLAS COUNTY UTILITIES</b>      |        |        |        |        |        |        |           |                                  |
| Municipal Population Served           | 53     | 53     | 54     | 58     | 60     | 60     |           |                                  |
| Demand (MGD)                          | 0.006  | 0.006  | 0.006  | 0.006  | 0.007  | 0.007  |           |                                  |
| Total Utility Service Area Population | 374525 | 380097 | 388216 | 401241 | 410017 | 410017 | 1,343     | 107                              |
| Demand (MGD)                          | 40.074 | 40.670 | 41.539 | 42.933 | 43.872 | 43.872 |           |                                  |
| <b>DOMESTIC SELF SUPPLY</b>           |        |        |        |        |        |        |           |                                  |
| Municipal Population Served           | 86     | 99     | 120    | 120    | 120    | 120    |           |                                  |
| Demand (MGD)                          | 0.009  | 0.011  | 0.013  | 0.013  | 0.013  | 0.013  |           | 71                               |
| <b>MUNICIPAL POPULATION</b>           | 24720  | 25414  | 26227  | 27014  | 27416  | 27416  |           | 110*                             |
| <b>TOTAL DEMAND (MUNICIPAL)</b>       | 2.719  | 2.796  | 2.885  | 2.971  | 3.016  | 3.016  |           |                                  |
| <b>TOTAL DEMAND (UTILITIES)</b>       | 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             |
| <b>Total Current Yield</b>            | <b>145.048</b>      |

##### 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 Supply Analysis

- Permitted quantities
  - Water Management Information System (WMIS)
- Source options
  - 2020 RWSP

# Supply Analysis

## 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             |
| <b>Total Current Yield</b>            | <b>145.048</b>      |

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

\* Community Sheet data shown is fictional and only intended for presentation purposes.