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MEMORANDUM

TO: Pinellas County Commissioners

FROM: Charlie Justice, Chairman
Pinellas County Board of County Commissioners

CC: Mark Woodard, County Administrator
Jim Bennett, County Attorney

DATE: September 12, 2016

SUBJECT: Countywide Sewer Task Force Proposal

Recent weather impacts on the complex network of city, county and private sewer systems have brought the need to better assess and evaluate our infrastructure.

There is a great complexity of the sewer networks in Pinellas. There exists some interconnectivity already between the Cities and the County and opportunities to work together on sewer management issues. We have some informal working relationships already and provide assistance on an as-needed basis during emergencies and to address specific regional and regulatory issues.

With your consensus, I would propose a Countywide Sewer Task Force to include the County, 13 municipal partners, and 3 private systems to improve management of County-wide wastewater systems and mitigate emergency situations that may arise.

I believe that this collective Task Force could facilitate more beneficial outcomes through greater collaboration, closer communication, and mutual support when needed as well as enabling all task force partners to better solve the key wastewater system issues we face: capacity and inflow/infiltration.

The additional pages will provide more detailed background information as well as a map of the sewer system service areas in our county.

I believe the coming together of our partners can lay the groundwork for better reaction to emergencies, improving our infrastructure, and ultimately providing better services for our citizens.

I look forward to your input on this matter.

I. Discussion

- a. Capacity: opportunities are challenging due to limited space/footprint
- b. Comprehensive inflow/infiltration analysis of all wastewater systems in the County would provide us with a more complete picture of where the trouble spots are and a more informed prioritization of effort
 - i. Climate changes suggest heavier rainy seasons up to 11% over the coming decades with approx. 60% of annual rainfall occurring in Jun-Sep
 - ii. Increased rain puts more demand on stormwater systems; unresolved inflow/infiltration issues cause this additional water to overload wastewater systems which increases the likelihood of sanitary sewer overflows
- c. Opportunities for cost-sharing between task force members in coming up with comprehensive solutions for the good of the Task Force members

II. Recommendation: Establish a joint County-wide Sewer Task Force to improve management of County-wide wastewater systems and mitigate emergency situations that can arise.

Backup material on wastewater service providers is provided below:

- ☐ Pinellas County has two main service areas:
 - o William E. Dunn serving the north part of the county
 - o South Cross Bayou serving the south part of the county as well as cities of Pinellas Park, North Redington and Redington Shores
- ☐ Cities that have their own collection system and/or treatment plants:
 - o Tarpon Springs
 - o Oldsmar
 - o Dunedin
 - o Clearwater
 - ☐ Northeast Plant (co-owned by Safety Harbor)
 - ☐ Marshall Plant
 - ☐ East Plant
 - o Largo
 - o St. Petersburg
 - ☐ Northeast
 - ☐ Northwest
 - ☐ Southwest
 - ☐ Al Whitted (not currently in service but used for additional storage capacity)
 - o Treasure Island (conveys wastewater to St. Petersburg Northwest Plant)
 - o St. Pete Beach (conveys wastewater to St. Petersburg Northwest Plant)
 - o South Pasadena (conveys wastewater to St. Petersburg Northwest Plant)
 - o Gulfport (conveys wastewater to St. Petersburg Northwest Plant)
 - o Pinellas Park (conveys wastewater to Pinellas County)
 - o North Redington (conveys wastewater to Pinellas County)
 - o Redington Shores (conveys wastewater to Pinellas County)
- ☐ Private systems
 - o Top of the World
 - o Dynaflow (Utilities Inc.)
 - o Tierra Verde (Utilities Inc.) – conveys wastewater to St. Petersburg Southwest Plant

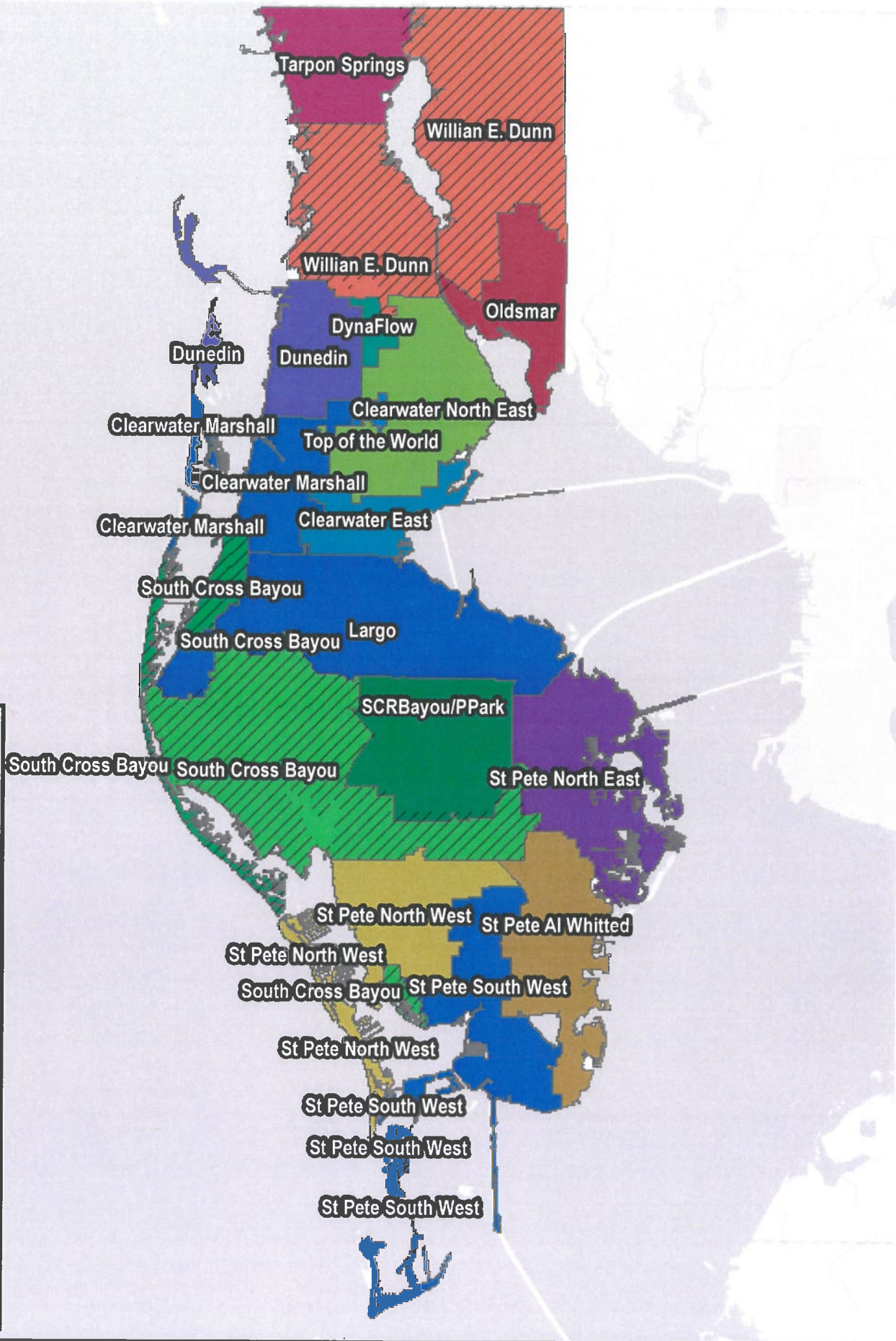


Legend

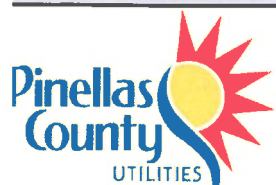
Pinellas County Utilities

Utility

- Clearwater East
- Clearwater Marshall
- Clearwater North East
- Dunedin
- DynaFlow
- Largo
- Oldsmar
- SCRBayou/PPark
- South Cross Bayou
- South Cross Bayou
- St Pete Al Whitted
- St Pete North East
- St Pete North West
- St Pete South West
- Tarpon Springs
- Top of the World
- Willian E. Dunn



0 0.75 1.5 3 4.5 6 Miles



Sewer Service Area Boundaries