Wastewater / Stormwater Task Force

Initial Action Plan

Tuesday, February 7, 2017

Task Force Composition

Steering Committee

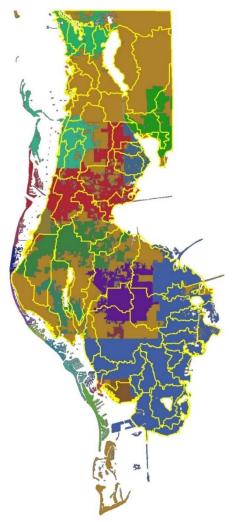
	George Cretekos	Mayor, City of Clearwater	Rick Kriseman	Mayor, City of St. Petersburg
	Julie Ward Bujalski	Mayor, City of Dunedin	Amy Foster	Council Chair, St. Petersburg City Council
	Samuel Henderson	Mayor, City of Gulfport	Debora Schechner	Mayor, City of St. Pete Beach
	Matthew Campbell	Manager, Town of Kenneth City	Chris Alahouzos	Mayor, City of Tarpon Springs
	Woody Brown	Mayor, City of Largo	Robert Minning	Mayor, City of Treasure Island
	Bill Queen	Mayor, Town of North Redington Beach	Terry Hamilton-Wollin	Chairman and President, Big - C
	Doug Bevis	Mayor, City of Oldsmar	Marlene Murray	President, CONA, St. Petersburg
	Charlie Justice	Commissioner, Pinellas County	Tim Lima	President, CNCN
	Mark S. Woodard	County Administrator, Pinellas County	Linda Umberger	President, Lealman Community Association
	Sandra Bradbury	Mayor, City of Pinellas Park	Gary Katica	President, Mayors' Council
	Nick Simons	Mayor, Town of Redington Beach	Patrick C. Flynn	Vice President of Operations, Utilities, Inc. of Florida
	Bert Adams	Mayor, Town of Redington Shores	Corey Givens	Vice President, NAACP
	Andy Steingold	Mayor, City of Safety Harbor	Kenneth D. Colen	President, On Top of the World
	Leslie Waters	Mayor, City of Seminole	Jerry Frulio	President, Tierra Verde Association
	Max Elson	Mayor, City of South Pasadena		

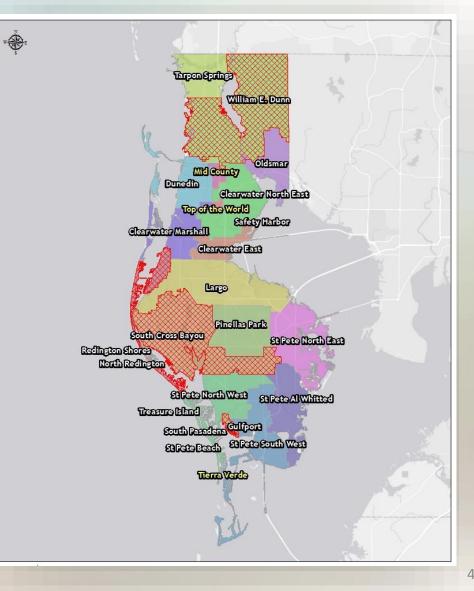
Technical Working Group				
David Porter	Utility Director, City of Clearwater			
Jorge M. Quintas	Public Works & Utilities Director/City Engineer, City of Dunedin			
Don Sopak	Public Works Director, City of Gulfport			
Irvin Kety	Director of Environmental Service Department, City of Largo			
Patrick C. Flynn	Vice President of Operations, Utilities, Inc. of Florida			
Nan Bennett	Director of Public Works, City of Oldsmar			
Bill Breckinridge	Assistant County Administrator, Pinellas County			
Rahim Harji	Public Works Director, Pinellas County			
Randi Kim	Utilities Director, Pinellas County			
Marty Reich	Director of Public Utilities, City of Pinellas Park			
John Branch	Sewers/Stormwater Supervisor, Town of Redington Shores			
Ray Boler	Public Works Director, City of Safety Harbor			
Shawn Shimko	Assistant Director of Public Works, City of South Pasadena			
Claude Tankersley	Public Works Administrator, City of St. Petersburg			
Mike Clarke	Public Works Director, City of St. Pete Beach			
Paul Smith	Public Services Director, City of Tarpon Springs			
Mike Helfrich	Director of Public Works, City of Treasure Island			

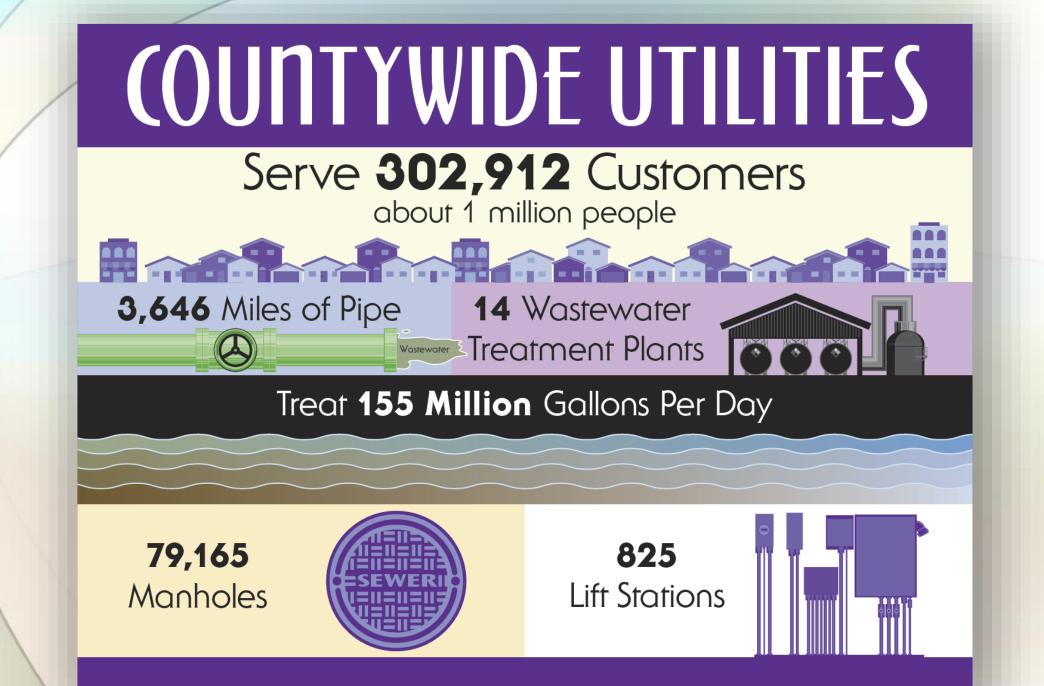
Watersheds and Municipal Boundaries

County, City and Private Sewer Systems









Causes of Sewage Overflows and Associated Level of Control by Utilities

Controllable	Limited Control/Outside of our Control	
 Maintenance of wastewater and stormwater infrastructure, equipment and resources System capacity Storm preparation and response 	 Malfunctioning private sewer systems Line blockages Extreme weather events Large scale power outages Catastrophic equipment failures 	
	 Damage to utilities by outside forces 	

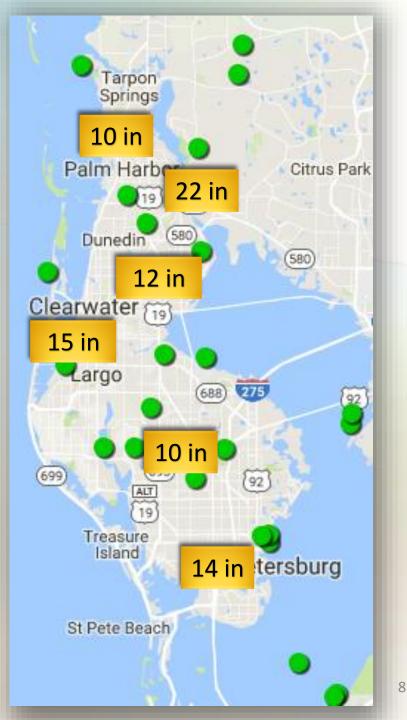
Storm Preparation & Response



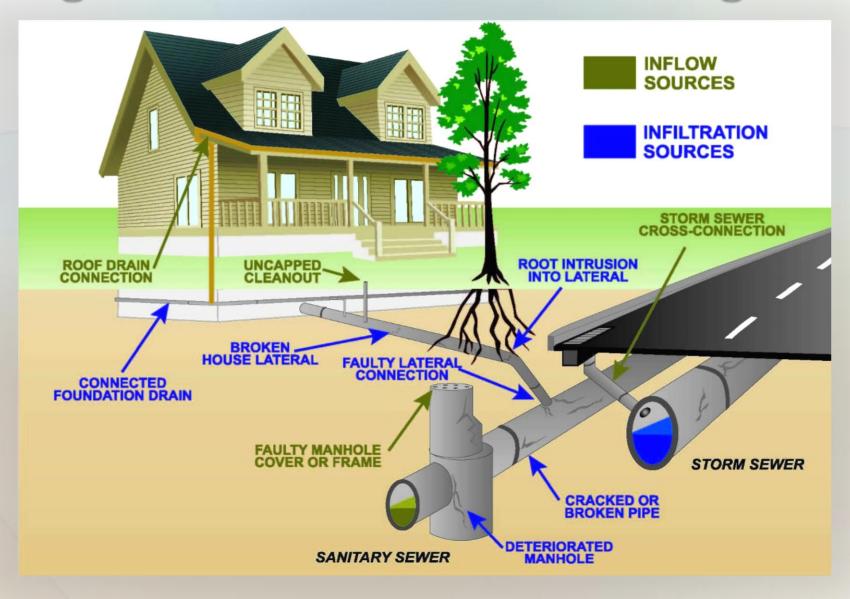
What Happened



3x Average Flow in Wastewater System



How does groundwater and stormwater get in?



Options to Reduce Wet Weather Flow Impacts

Expanding Wastewater Treatment Capacity to Increase Level of Service



Options to Reduce Wet Weather Flow Impacts • Expanding Storage Capacity to Increase Level of Service

Event	Storage Capacity	
Duration	(gallons)	
3-day storm	465 million	
4-day post-storm	620 million	
Total	1 billion	

Options to Reduce Wet Weather Flow Impacts

• Expanding Storage Capacity to Increase Level of Service

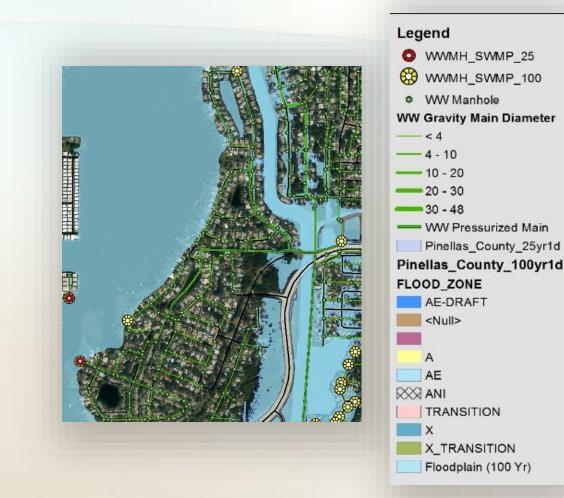


Lake Seminole = 1.22 Billion Gallons

Options to Reduce Wet Weather Flow Impacts

Reducing Inflow and Infiltration to Increase Level of Service





Initial Action Plan

Activity	Timeline
1) Inflow and Infiltration Studies	May 2017 – Sep 2018
2) Address System Hydraulic Bottlenecks	Apr 2017 – Apr 2018
3) Rehabilitation/Replacement Programs for Aging Infrastructure	Jan 2017 – Sep 2018
4) Stormwater Drainage Improvements	Mar 2017 – Sep 2018
5) Resource Sharing/Maximization	Jan 2017 – Mar 2018
6) Develop Public Dialogue Program	Feb – Apr 2017
7) Develop Legislation, Regulations, Local Ordinances	Jan – Dec 2017

Long-Term Actions

/	Activity	tions		
	1) Inflow and Infiltration	I&I Reduction Projects		
	2) System Hydraulic Bottlenecks	Periodic re	eassessment of system hydraulics	
	3) Rehabilitation/Replacement Programs	Ongoing A	sset Management Program	
	4) Stormwater Drainage Improvements	 Reduce stormwater drainage and connections to sanitary sewer system Infrastructure planning for sea level rise Watershed plans to coordinate jurisdictional boundaries 		
	5) Resource Sharing/Maximization	Ongoing C	Collaboration	
	6) Public Dialogue	•	t maintenance program for private ewer systems and lift stations	
	7) Legislation, Regulations, Local Ordinances	Adoption	of local ordinances and state legislation	

Key Points

- Accelerating inflow and infiltration identification and mitigation projects will reduce overflows
- Implementing targeted system capacity projects will reduce overflows in the short term as inflow and infiltration reduction is achieved
- Integrating stormwater/sewer projects to increase the resiliency of our infrastructure will reduce overflows and save money in the long run
- Funding, legislation and public participation is needed to support outcomes