East Greenwich Wastewater Treatment Facility - CLIMATE VULNERABILITY SUMMARY

East Greenwich WWTF is located at 21 Crompton Avenue in East Greenwich. It treats an average of 0.8 million gallons of wastewater per day, serving approximately 6,000 customers in the community. Additional information is on the back of this summary.





EAST GREENWICH, RI - CLIMATE VULNERABILITY SUMMARY



FACILITY SUMMARY

Owner	Town of East Greenwich		
Operator	Town of East Greenwich	The facility arrangement is unusual in that	The Cedar Heights pump station is adjacent to a small stream, which could potentially hinder access to the site during significant rain events, due to the lack of a paved access road and the low access bridge crossing the
Facility Address	21 Crompton Avenue East Greenwich, RI 02818	while the access roads that surround the facility are at a relatively low elevation, many	
Contact Name	Shawn O'Neill, Superintendent	of the process components are operated from	
Phone	401.886.8619	elevated locations within a main building on	
		the site, protecting them from flood hazards.	stream.
Design Flow Capacity	1.7 MGD	The main facility and pump stations have	
Average Daily Flow	0.8 MGD	permanent pumping redundancy and back-up	
Receiving Water	Greenwich Cove	power systems although	
		operators identified a need for a new	
Extreme Weather Related SSO Events 2010 - 2014	1 out of 22 events or 5%	generator to improve standby power capabilities at the plant and pump stations.	

ADAPTIVE STRATEGIES (SEE REPORT FOR COMPLETE LIST)								
SYSTEM	Hardening	Relocating	Readily Repairable/ Replaceable	Redundancy	Mitigation Strategy			
Influent Pump Station (Dry-Pit Submersibles)	А				Protect facility entrances with flood barriers.			
Primary Clarifiers	A		В	В	Protect facility entrances with flood barriers. Store replacement drive components on-site. Pumps may be temporarily augmented.			
Disinfection System (UV)	А	А			Elevate disinfection equipment and relocate electrical equipment (transformer) to higher elevation.			
Operations Building	А				Protect facility entrances into critical areas (generator room) with flood barriers.			
Cedar Heights PS	A				Elevate electrical equipment above grade.			

A = < \$50,000 B = \$50,000 to \$250,000 C = \$250,000 - \$1,000,000 D = > \$1,000,000