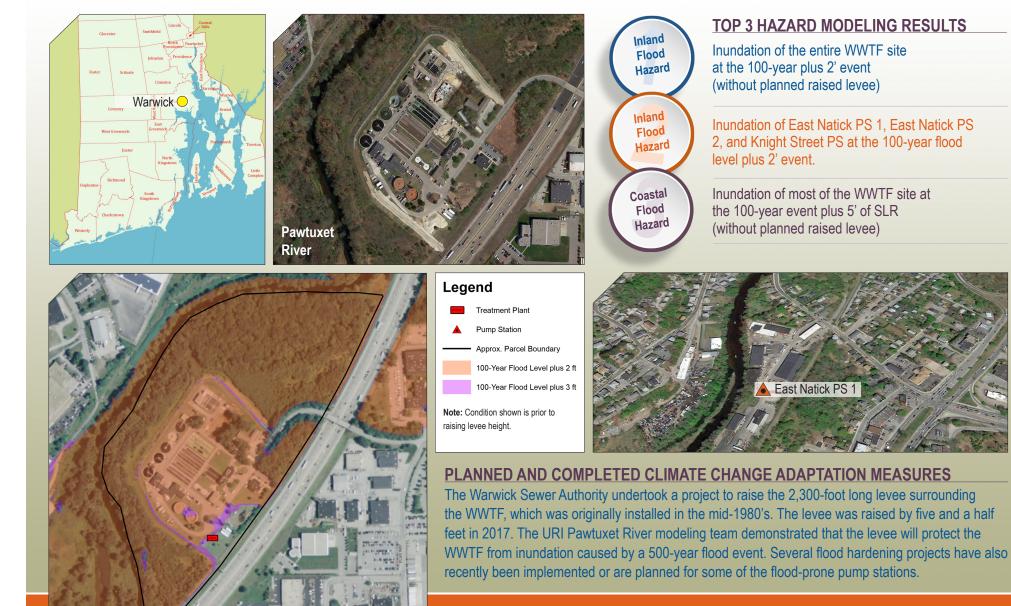
## Warwick Wastewater Treatment Facility - CLIMATE VULNERABILITY SUMMARY

Warwick WWTF is located at 125 Arthur W. Devine Blvd. in Warwick. It treats an average of 4.5 million gallons of wastewater per day, serving approximately 60,200 customers in Warwick. Additional information is on the back of this summary.





## WARWICK, RI - CLIMATE VULNERABILITY SUMMARY



## FACILITY SUMMARY

Owner	City of Warwick		
Operator	Warwick Sewer Authority	The WWTF has an effluent pumping system	Several of the newer pump stations were intentionally designed to be above the current 100-year flood elevation standards and the new Bellows Street pump station was recently constructed and elevated to protect it from the 500-year flood.
Facility Address	125 Arthur W. Devine Blvd., Warwick, RI 02886	that operates approximately four to six weeks per year.	
Contact Name	Scott Goodinson, Superintendent		
Phone	401.739.4949	The facility maintains an abundance of	
		back-up pumping and power generation equipment.	
Design Flow Capacity	7.7 MGD		
Average Daily Flow	4.5 MGD	The Knight Street PS is unusual in that it	
Receiving Water	Pawtuxet River	can function continuously when completely	
		submerged by rising levels of the Pawtuxet	
Extreme Weather Related SSO Events 2010 - 2014	2 out of 19 events or 11%	River, and remains accessible through a roof hatch.	

## ADAPTIVE STRATEGIES (SEE REPORT FOR COMPLETE LIST)

SYSTEM	Hardening	Relocating	Redundancy	Mitigation Strategy
Disinfection System (Chlorine Contact Tanks)		D	В	Maintain back-up temporary chemical storage and pumping system. Pump influent to Cranston WWTF. <sup>1</sup>
Effluent Pump Station	С	D		Replace effluent pumps with submersibles and relocate drive systems to high ground. Pump influent to Cranston WWTF. <sup>1</sup>
Generator	В	D		Elevate back-up electrical systems above berm elevation. Pump influent to Cranston WWTF. <sup>1</sup>
Knight Street PS		С		Relocate pump station inland.
East Natick 1 PS	А			Protect facility entrances with flood barriers and relocate building penetrations for louvers.

1. Redirecting influent flow to the Cranston WWTF would address multiple systems under one project. This long term plan should be considered in conjunction with West Warwick. A = < \$50,000 B = \$50,000 to \$250,000 C = \$250,000 - \$1,000,000 D = > \$1,000,000