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Department of Environmental Protection

# Climate-Related Risks: A Call to Action



## Water Supply

Deliver one billion gallons of water, protect a 2,000 square mile watershed, and maintain 7,000 miles of water mains



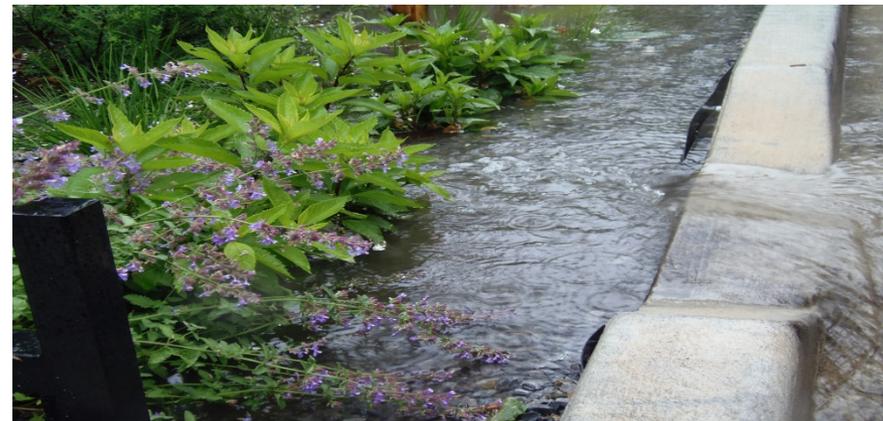
## Wastewater Treatment

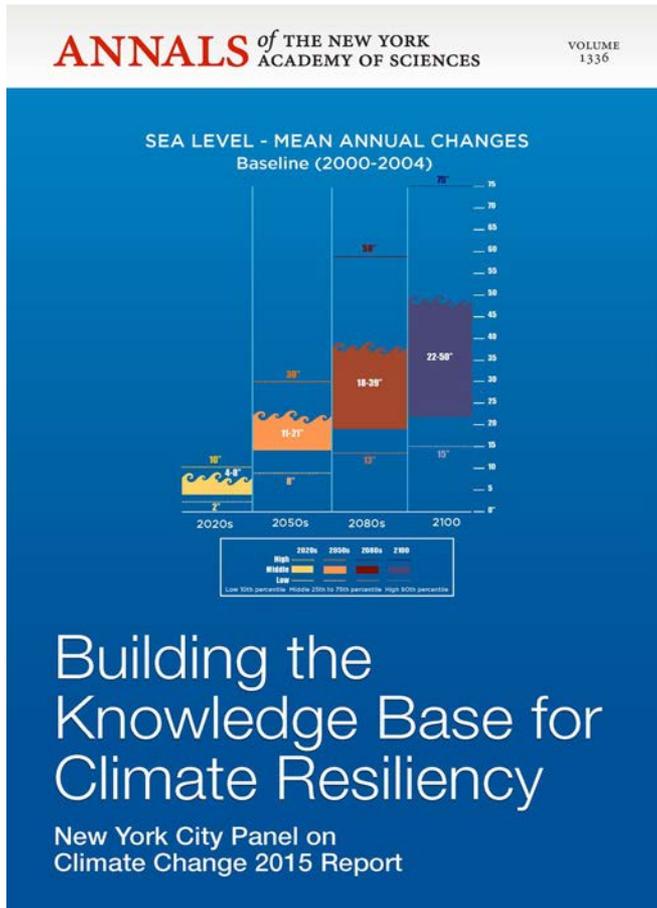
Treat 1.3 billion gallons of wastewater each day, and operate 14 plants, 96 pumping stations, and 7,500 miles of sewers



## Stormwater Management

Will invest \$834 million in green infrastructure throughout the City over the next ten years to reduce combined sewer overflows





	By 2050s
Air Temperature	+ 4.1 to 5.7°F
Precipitation	+ 4 to 11%
Sea Level Rise	+ 11 to 21 in

New York City Panel on Climate Change 2015 Report, Building the Knowledge Base for Climate Resiliency (2015)

# Climate Risks to Water Supply





# Drought Conditions



# Climate Risks to Wastewater Operations



# Climate Risks to Stormwater Management



St. Kjeld, September 2015

*Photo credit: EVM Landskab*



# Southeast Queens





[nyc.gov/dep](https://nyc.gov/dep)

