

# Waltham's Resilient Stormwater Action & Implementation Plan



The City conducted a climate resilience assessment to identify opportunities to **implement green infrastructure, improve stormwater infiltration, and reduce the Urban Heat Island effect**

Waltham has **39% impervious** cover and **56% vegetated** cover



local urban heat island "hot spots" can be **4-6°F hotter** than greener spaces



the City has identified **300+ potential green infrastructure project locations**



these projects could **reduce impervious surfaces** in Waltham by **39 acres**



39 acres equates to approximately the size of **139 City Hall parking lots**



green infrastructure can **reduce outdoor air temperatures** by **2.9°F** in some areas of Waltham



This project was funded by the Massachusetts Executive Office of Energy & Environmental Affairs' Municipal Vulnerability Preparedness (MVP) Action Grant program, which provides support for cities and towns to begin planning for climate change and to implement projects to build local resiliency

*photos by Weston & Sampson*



**help us spread the word!**

#WalthamStormwater  
#WalthamResilience



**WALTHAM**  
MASSACHUSETTS  
"The Watch City"

Weston & Sampson

## what is...?



**stormwater:** rain or snow melt that can cause flooding if the system becomes overwhelmed



**impervious surfaces:** pavement and other surfaces that retain heat and prevent water from infiltrating into the ground



**urban heat island:** occurs when cities replace natural land cover with impervious surfaces that retain heat. Waltham may experience as many as 50 days with temperatures greater than 90°F by 2070



**green infrastructure:** captures rainfall and stormwater runoff and mimics natural processes to infiltrate and treat stormwater, such as a rain garden

## want to learn more?



watch our video about the impact of climate change on stormwater flooding in Waltham



check out our video about Waltham's plan to identify projects that address flooding and stormwater issues across the City



wondering how you can help improve stormwater in Waltham? visit our webpage to take our survey, find project updates, and read about other opportunities for engagement!