

# Federal Urban Waters Partnership Annual Workshop

Building Parks and Public Spaces for Resilient Communities

October 18, 2018



60,000+  
*park professionals*  
*serve more than*  
200 MILLION PEOPLE  
*in*  
IN ALL 50 STATES

**The National Recreation and Park Association (NRPA) is the leading nonprofit dedicated to the advancement of public parks. NRPA and its members improve communities through three guiding pillars— working to create a world where everyone has access to the many benefits of parks and recreation.**



GENERATED MORE THAN  
**\$154 BILLION**  
IN ECONOMIC ACTIVITY

AND THEIR OPERATIONS AND CAPITAL SPENDING SUPPORTED MORE THAN

**1.1 MILLION JOBS**

**OPERATIONS SPENDING**

BY LOCAL PARK AND RECREATION AGENCIES SPAWNED

**\$90.9 BILLION**

**CAPITAL SPENDING**

BY LOCAL PARK AND RECREATION AGENCIES LED TO

**\$63.6 BILLION**



## Support for local parks is widespread, spanning:



AGE GROUPS



HOUSEHOLD TYPES



INCOME STRATA



POLITICAL AFFILIATION

**83%**  
of Americans  
**personally benefit**  
from local parks



**7 IN 10 AMERICANS**  
*GO TO THEIR LOCAL PARK*

**4 in 5**

agree that local parks are  
**worth the tax dollars**  
spent on them

Americans see NRPA's 3 Pillars as the  
**chief priorities for local parks**



CONSERVATION



HEALTH & WELLNESS



SOCIAL EQUITY

**92% of Americans**



say their  
**communities benefit**  
from local parks





EVERYONE DESERVES  
**A PARK** WITHIN A  
10-MINUTE WALK  
**OF HOME.**

**10minutewalk.org**







# What is Green Infrastructure?



## **City and Regional Open Space**

An interconnected network of natural areas and other open spaces that conserves natural ecosystem values and functions, sustains clean area and water, and provides a wide array of benefits to people and wildlife.



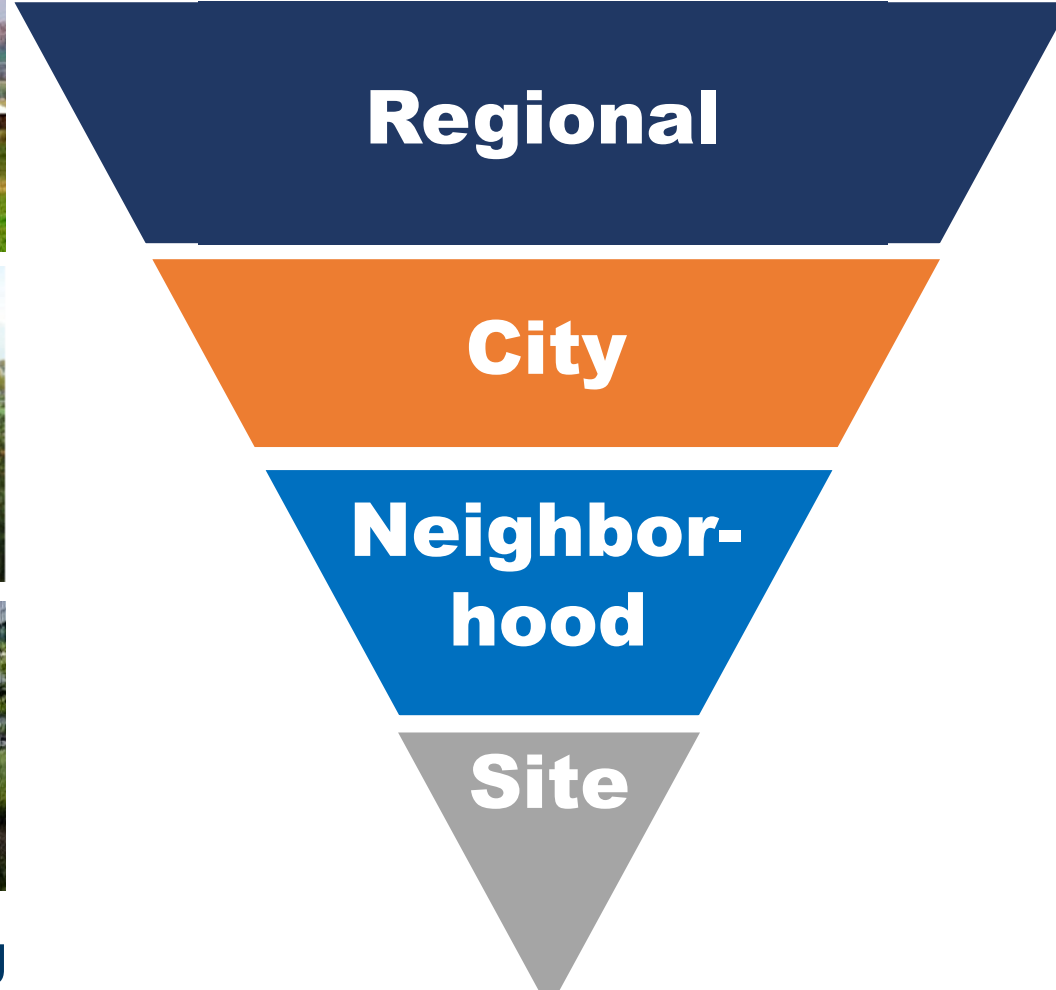
## **Green Stormwater Infrastructure**

Systems and practices that use or mimic natural processes to infiltrate, evapotranspire, or reuse stormwater on the site where it is generated.

# Green Infrastructure at Scale



[www.nrpa.org](http://www.nrpa.org)











*Improving environmental and social outcomes in underserved communities. Advancing green infrastructure stormwater management within parks.*





# Tools you can use....

- [Financing Green Infrastructure](#)
- [Green Infrastructure and Park System Planning](#)
- [Planning For Equity in Parks with Green Infrastructure](#)
- [Engagement Case Study](#)
- [Funding Case Study](#)
- [Partnerships Case Study](#)
- [Design Case Study](#)







- 1 Bioswale
- 2 Stormwater trees
- 3 Permeable pavement parking lot
- 4 Porous asphalt basketball court
- 5 Rain garden
- 6 Protected habitat
- 7 Native trees
- 8 Retention pond/  
Constructed wetlands
- 9 Cistern
- 10 Green roof

Green stormwater infrastructure (like the features highlighted here) in local parks is an efficient way to reduce flooding, improve water quality and wildlife habitat, provide opportunities for education and employment, increase biodiversity, access to nature and green space, and community resiliency, and much more. For more information and for an interactive version of this poster visit [www.nrpa.org/GreenInfrastructure](http://www.nrpa.org/GreenInfrastructure).

# Managing Stormwater Naturally!

An aerial photograph of Lower Manhattan, New York City. The image shows a dense cluster of skyscrapers and buildings. A large, irregularly shaped green area, representing a park, is highlighted in the foreground. A yellow line traces a path through the park and along the waterfront, suggesting a route for a 'parks road trip'. The text 'Let's take a parks road trip....' is overlaid on the left side of the image.

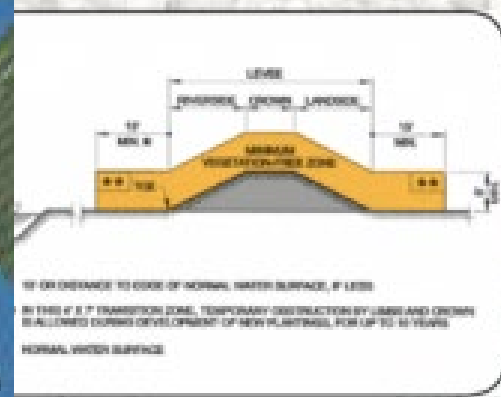
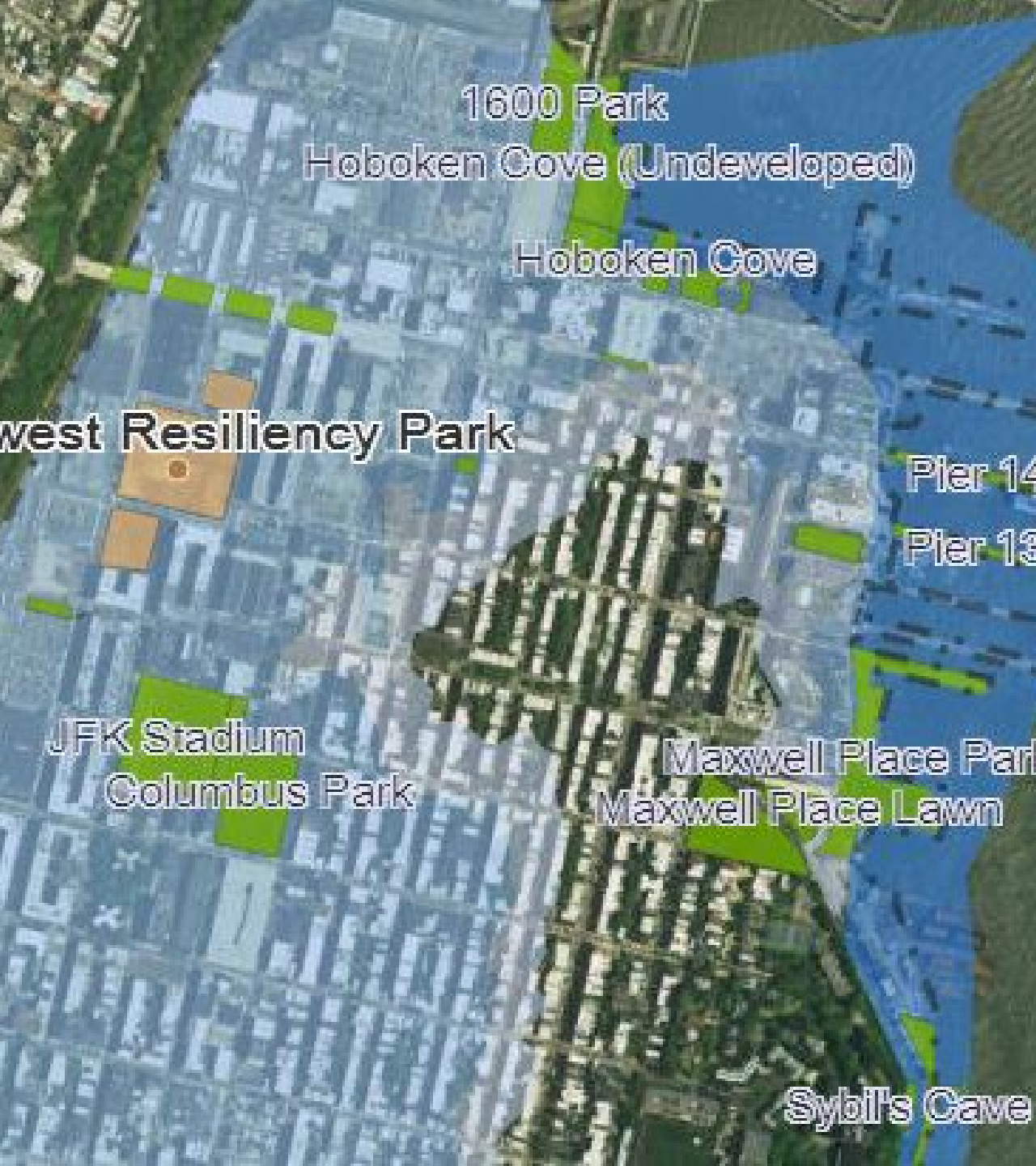
Let's take a parks  
road trip....

- RESILIENCE
- FINANCING
- ACTIVATION
- PARTNERSHIPS
- PLACEMAKING
- COMMUNITY ENGAGEMENT









**LEVEE**

**NO TREES, SHRUBS, OR WOODY VEGETATION IS ALLOWED WITHIN THE "VEGETATION-FREE" ZONE**











# How green tools manage stormwater

## The challenge

During heavy storms, rainwater overwhelms the sewer system, sending pollutants into our creeks and rivers.

## The solution

The Green City, Clean Waters program promotes the use of green tools that capture stormwater before it enters sewers. Green means we use plants, trees and soils to filter, store and manage stormwater more effectively.

## The benefits

These green tools are smart and cost-effective ways to manage stormwater. Green tools like these help remove over 80% of the pollutants entering our creeks and rivers. Learn more at: [www.phillywaterworks.org](http://www.phillywaterworks.org)



Kevin O'Hara

Vice President of Urban and  
Government Affairs

National Recreation and Park  
Association

[kohara@nrpa.org](mailto:kohara@nrpa.org)

