Climate-Smart Cities™
Boston and Metro Mayors Region

Research, Data, and Nature-Based Solutions for Climate Resiliency

June 2, 2016  Smart Growth Conference
The Trust for Public Land

Mission
The Trust for Public Land creates parks and protects land for people creating healthy, livable communities for generations to come.

Vision
An America where every community can connect with nature near and far.
The Trust for Public Land

5,000+ PLACES
We have created and protected more than 5,000 special places, from a 14,000-foot peak in the Rockies to the Brown vs. Board of Education historic site.

7+ MILLION
More than 7 million people now live within a 10-minute walk of a place that has been created or protected by The Trust for Public Land.

$60 BILLION
We have helped generate nearly $60 billion in public funding for parks and natural areas through ballot measures supported by nearly 100 million voters in 37 states.

EVERY CITY
We are mapping the parks in every major city in America, advocating for the 100 million people who don’t live within a 10-minute walk of a park, yet.
Climate-Smart Cities = Low-Carbon + Resilient + Climate Justice
Climate-Smart Cities Partnerships
Delivering Climate-Smart Cities™ — Our Integrated Approach

Cities Partnership and Stakeholder Engagement

Green Infrastructure Solutions and Public Engagement

Applied Research

GIS Decision Support
Multiple-Benefit Green Infrastructure Solutions

Connect

Cool

Protect

Absorb
**GIS:** Online Portal for Applying Spatial Data to Climate Decisions

- Urban heat islands
- Connectivity
- Stormwater vulnerability
- Park equity
- Fitness Zone siting
- Green infrastructure assets
The Data in the Portal Can Be Combined to Model Priorities at the City (or Regional for Metro Mayors) Scale
Portal: Use Query Function to Find High Value Parcels and Develop Parcel Priority Maps
Run Data-Driven Parcel Reports
TPG Green Infrastructure Project Typologies

Green Infrastructure
Schoolyards

Green Alleys

Connective Corridors/
Linear Parks

Community Agriculture

Water-Smart Parks

TPL Green Infrastructure Project Typologies
Climate Smart Cities Implementation
Los Angeles, CA

Cool, Connect, and Absorb
Avalon Green Alley Network
Climate Smart Cities Implementation
New York, New York

Cool, Absorb, and Social Equity
Climate Smart Cities Implementation
Providence, RI

Cool, Connect, Absorb, Protect, Social Equity
Climate Smart Cities Implementation
Boston, MA

Garrison Trotter Farm

Garlic, onions, lettuce, arugula, mustard greens, and carrots are thriving on this once vacant and blighted lot. Garrison Trotter is the first by-right farm in Boston under Article 80 and includes a neighborhood community garden plot.

Fowler Clark Farm

This historic 18th-century farmhouse and 19th-century barn are being reclaimed to bring 21st-century urban farming to Mattapan. The project will restore the buildings to their former glory, create a commercial learning farm, and connect the community to local food.

Tommy’s Rock Farm

Residents have long awaited the transformation of Tommy's Rock from gravel and weeds to soil and crops. Farmers will sow their seeds in fertile beds and a greenhouse and neighbors will have access through a small park at the entrance. Farm design is underway and agricultural production is anticipated to begin in spring 2016.

Glenway Farm

Located in the Four Corners neighborhood of Dorchester, passers-by enjoy sunflowers lining the fence and sidewalk along the border of Glenway Farm. Within is a bounty of salad greens, sunflowers, and other healthful produce sold to local restaurants.

Flint Street Farm

We are working with the City to acquire a 0.3-acre vacant lot at the corner of Flint Street to be transformed into a productive working farm and---due to its proximity to the Fowler Clark Farm just a block away---will aggregate Boston’s urban farms for efficiency and maximum productivity.
Climate Smart Cities Implementation
Boston, MA

Boston Climate Story Map- The people’s stories on climate.

Vivian Ortiz notes the importance of healthy food and an active lifestyle in her neighborhood, “because we [Mattapan] have higher health disparity rates and she advocates for “more access to walking and biking opportunities,” not just for transportation, but also “for fitness, for opportunity, for your wellbeing.”

When Noam Rifkind moved to Boston, he settled in East Boston because “I take it as a birthright that I should have access to the water and sea breezes.” Conscious of future sea level rise, Noam states that “we are effectively an island so if sea level rises enough that the Blue Line is flooded, we are cut off from the City for months.”