YMPJ

NYC Mayor's Office of Climate & Environmental Justice

NYC Eric Adams Mayor

Climate Strong Communities

SOUNDVIEW PUBLIC WORKSHOP #2

21 March 2024

one architecture

STARR WHITEHOUSE Landscape Architects and Planners PLLC

climate adaptation partners

Jacobs

MATRIXNEWORLD

Agenda

1. **INTRODUCTION & CONTEXT**
   30 MIN
2. **Q+A**
   20 MIN
3. **CLIMATE ADAPTATION FRAMEWORK**
   60 MIN
4. **CONCLUSION & NEXT STEPS**
   10 MIN

Climate Strong Communities

Introduction & Context

“Climate-Strong Communities, a new citywide climate strategy, will boost resiliency throughout the five boroughs especially in high need areas that face deeper impacts as a result of climate change. Equity and environmental justice are essential to our climate strategy. For far too long communities have been left behind based on their zip codes and economics. Climate-Strong Community initiative will lead to model projects that protect these neighborhoods and can be replicated across the entire five boroughs.”

Mayor Eric Adams

Hurricane Sandy 10th Anniversary Remembrance

Climate Strong Communities

Program Summary

Climate Strong Communities (CSC) will launch the next generation of equitable, multi-hazard, resiliency and sustainability projects.

- → Develop a community-centered planning process by proactively engaging with stakeholders
- → Maximize federal and state funding opportunities
- → Invest in communities left unaddressed by limited Hurricane Sandy recovery funding
- → Leverage existing resiliency and sustainability planning and capital commitments

Climate Strong Communities

Year 1 Neighborhoods

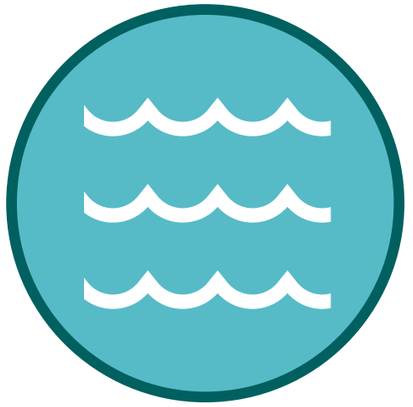
Climate Hazards

EXTREME HEAT

PROJECTED 4X MORE HEAT WAVES
BY THE 2080s

EXTREME RAINFALL

UP TO 22% MORE PRECIPITATION
BY THE 2080s



CHRONIC TIDAL FLOODING

COASTAL SURGE FLOODING

UP TO 3.75 FEET OF SEA LEVEL RISE BY THE 2080s

Fall 2023 Engagement Findings

Public Engagement Schedule

1. Understanding Climate Risk

Fall 2023

Neighborhood Support Team (NST) Meeting #1

Site Walk

Public Workshop #1

2. Introducing Potential Projects

Winter 2024

Neighborhood Support Team (NST) Meeting #2

Public Workshop #2

→ Open to general public

→ Discuss potential project typologies for future funding opportunities

3. Prioritizing Potential Projects

Spring 2024

Neighborhood Support Team (NST) Meeting #3

→ Virtual, NSTs and Community Partners in all CSC neighborhoods

→ Discuss projects to prioritize for future funding opportunities

Virtual Summit

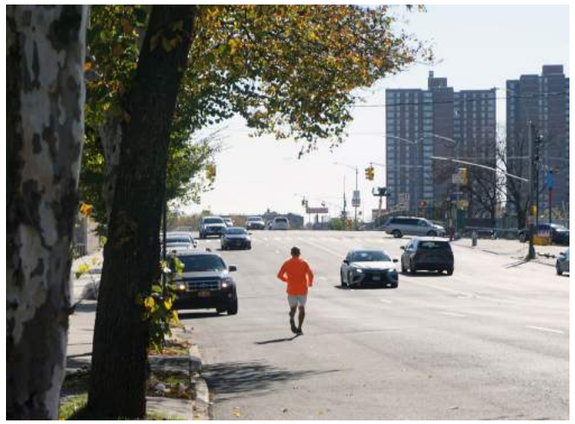
→ Open to general public in all CSC neighborhoods

→ Discuss CSC experience, next steps, and long term involvement

What We Heard

Theme:
Quality of Life

- → Unmaintained infrastructure & green spaces
- → Access to commercial & community facilities



What We Heard

Theme:
Mobility + Access

- → Pedestrian safety
- → Disrupted public transportation
- → Access to open space & waterfront

What We Heard

Theme:
Community Health

→ Access to open space

→ Urban agriculture

→ Environmental justice

Community Assets

Climate Threats

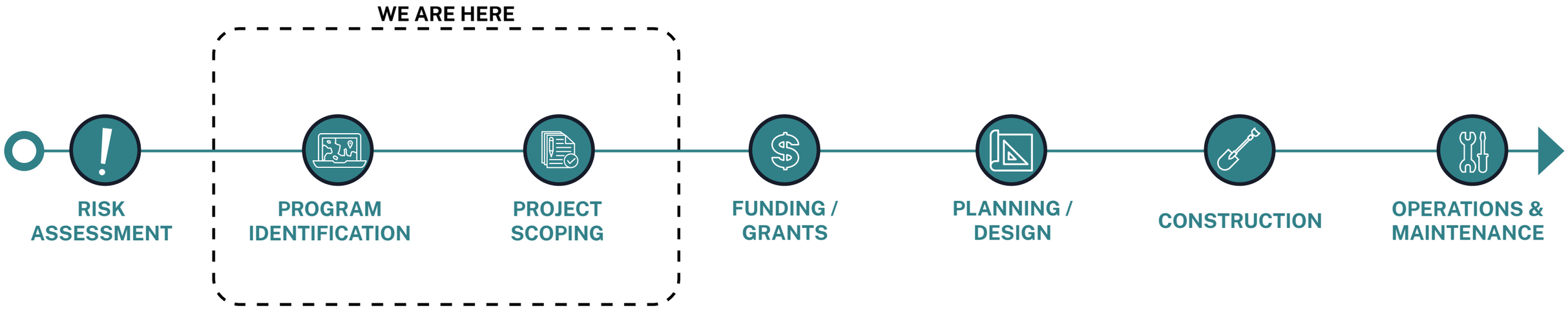
Urban Heat Discussion Map

Stormwater Flooding Discussion Map

Climate Adaptation Framework

Life Cycle of a CSC Project

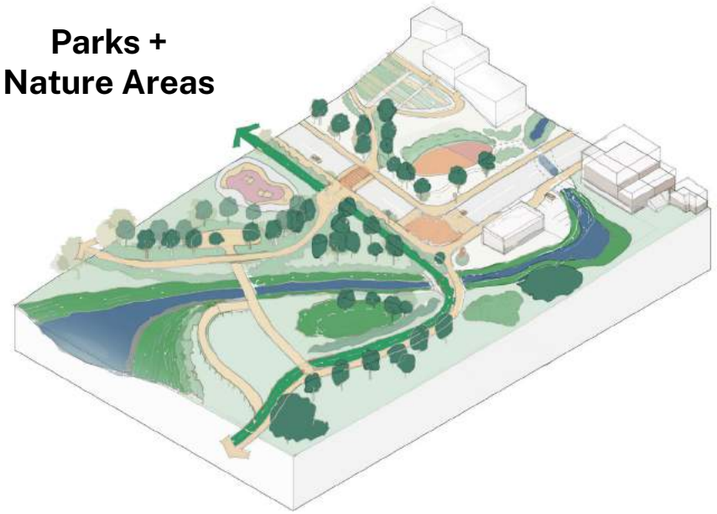
CSC is working with communities to understand their climate threats, planning context, and current priorities in order to identify, scope, and fund resilience infrastructure projects.



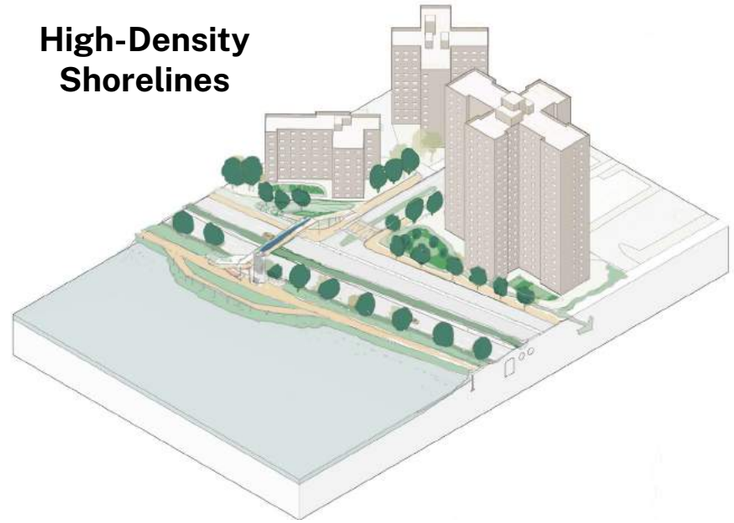
Place Types

Public Facilities + Playing Fields

Parks + Nature Areas

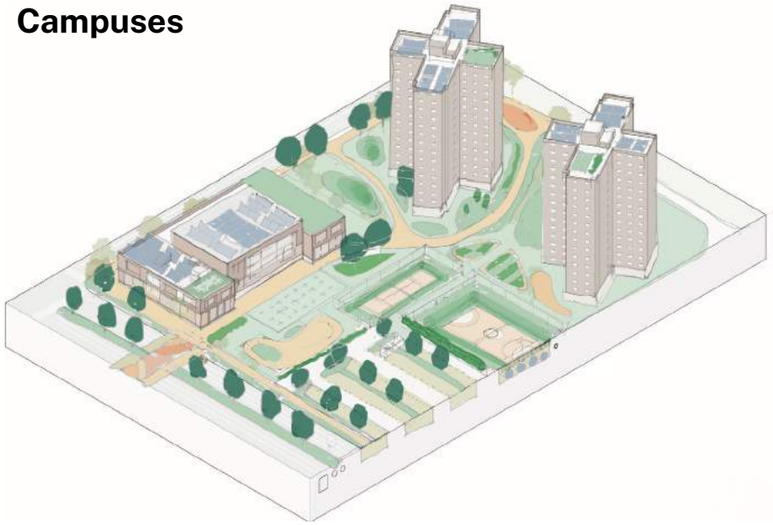


High-Density Shorelines

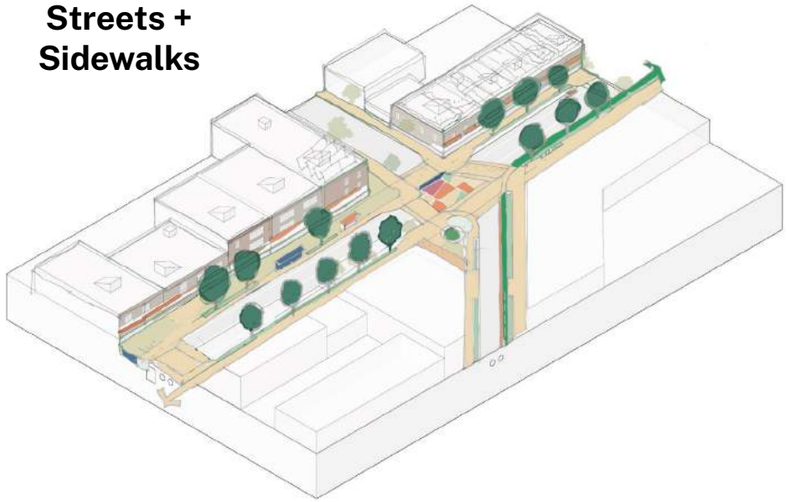


Homes, Yards + Parking Lots

Campuses



Streets + Sidewalks



Programs

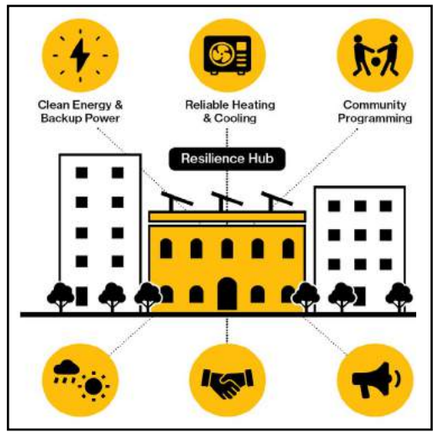
Cool Corridors

Bluebelts

Urban Forestry

Resilient Playgrounds

Resilient Grids



Resilience Hubs

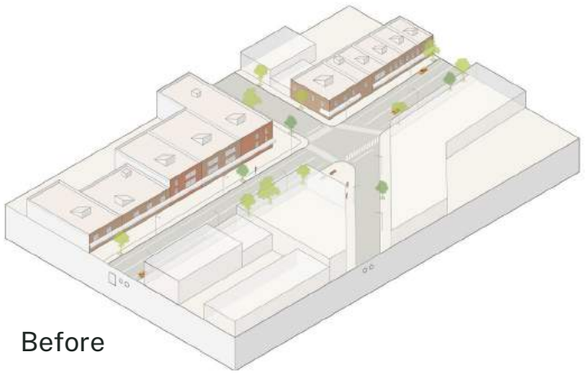
Urban Agriculture

Cloudburst

Cool Corridors

EXTREME HEAT

→ Right of way and area plans with strategies to mitigate extreme heat



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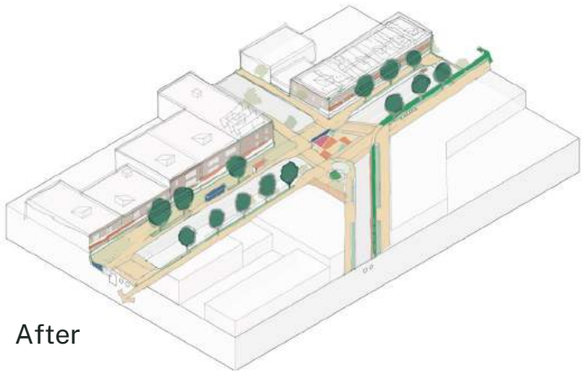


After

Place type: Streets + Sidewalks

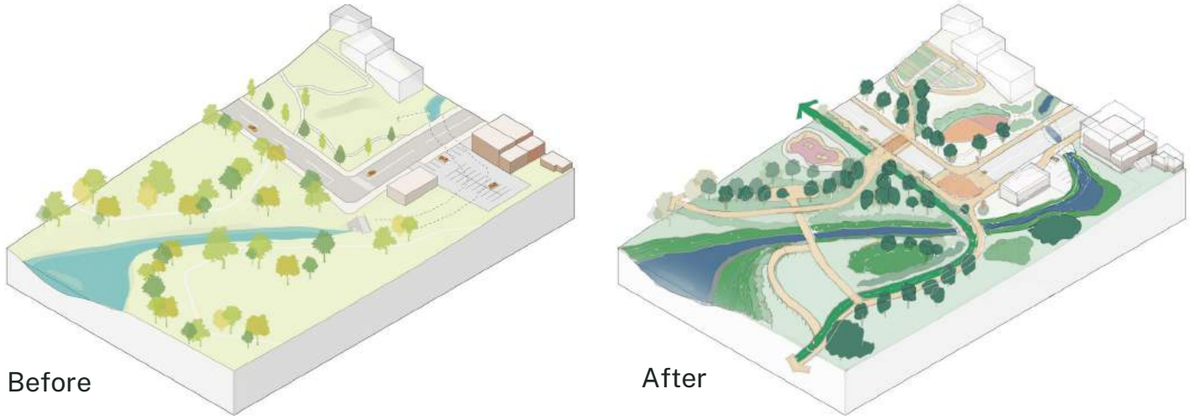
Typical implementation timeline: 3-5 years

Forest Hills, Queens

Bluebelts

EXTREME RAINFALL

→ Preservation and creation of natural drainage corridors, right of way stormwater conveyance projects, and daylighting of buried watercourses



Before

After

Place type: Parks and Nature Areas

Typical implementation timeline: 5+ years

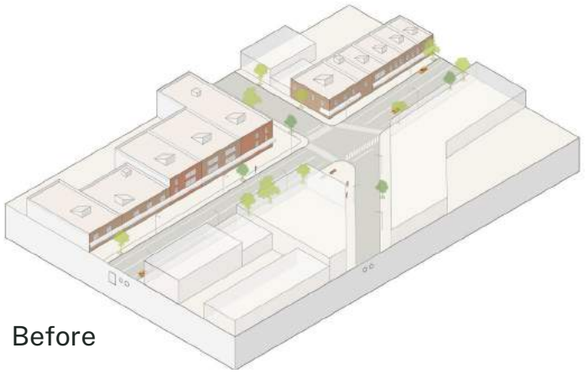
New Creek Bluebelt, Staten Island

Urban Forestry

EXTREME RAINFALL

EXTREME HEAT

→ Monitoring, maintenance, and expansion of tree planting in connection with PlaNYC goal to achieve 30% tree canopy cover citywide



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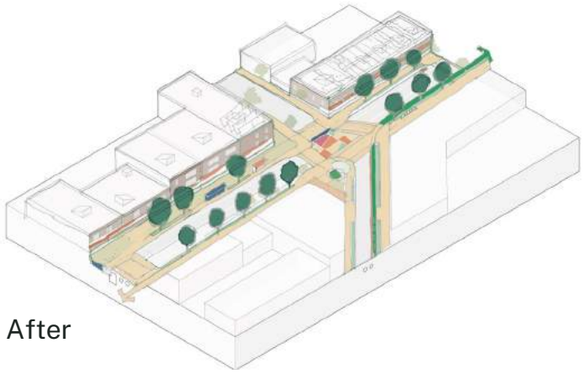


After

Place type: Streets + Sidewalks

Typical implementation timeline: 1-3 years

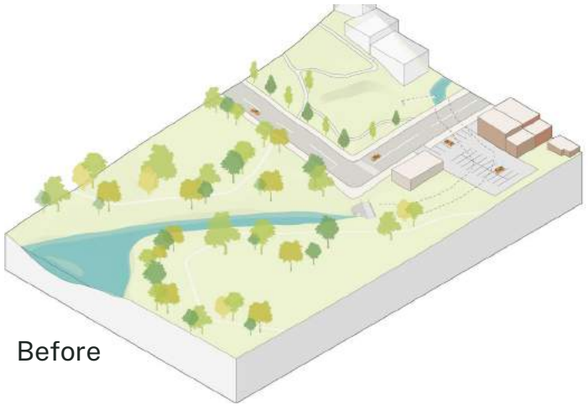
Jackson Heights Beautification Group, Queens

Resilient Playgrounds

EXTREME RAINFALL

EXTREME HEAT

→ Multibenefit play areas that provide shade, mitigate extreme heat, and help manage flooding from extreme rain events



Before

After

Place type: Parks + Nature Areas

Typical implementation timeline: 3-5 years

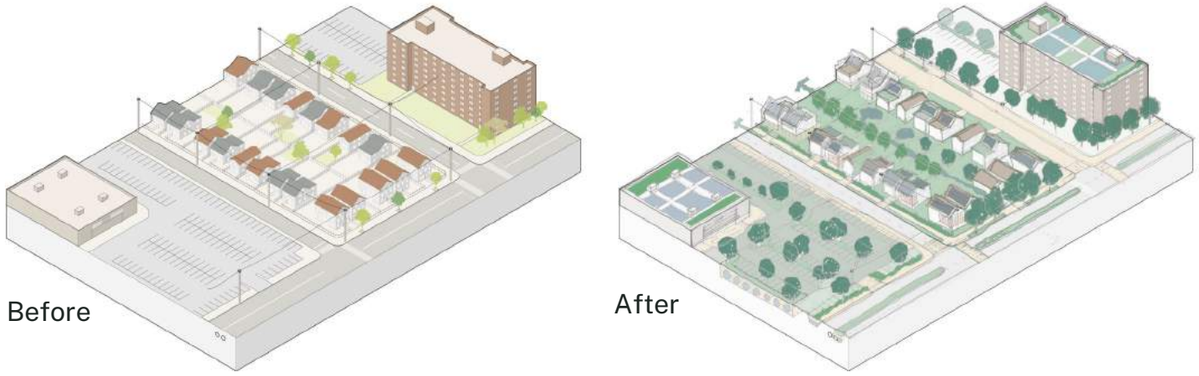
Trust for Public Land Community Schoolyard Initiative, PS 184M, Manhattan

Resilient Grids

COASTAL SURGE FLOODING

EXTREME HEAT

→ Improve grid resiliency to maintain the power supply during high electricity demand events like heat waves and recover from unexpected equipment failure or damaging climate events such as hurricanes.



Before

After

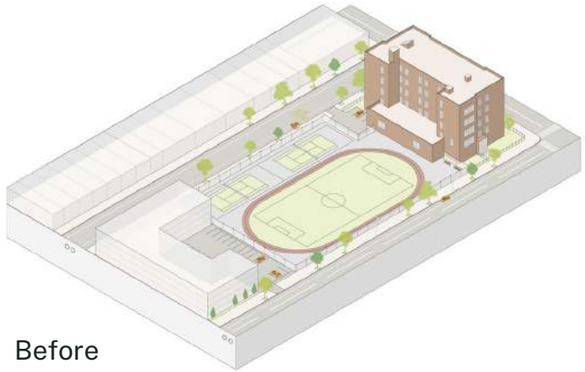
Place type: Homes, Yards + Parking Lots

Typical implementation timeline: 3-5 years

Solar installation at NYCHA Queensbridge Houses

Resilience Hubs

→ Existing community spaces protected from climate-induced hazards such as flooding, extreme heat, and power outages.



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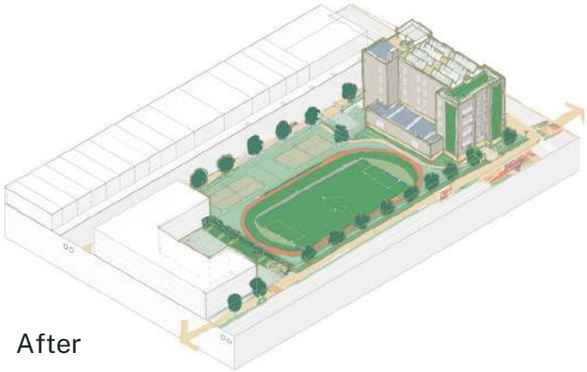
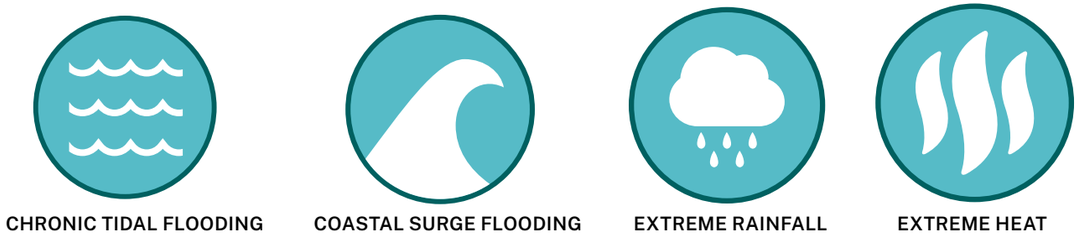


After

Place type: Public Facilities + Playing Fields

Typical implementation timeline: 3-5 years



Resilience Hub, PlaNYC 2023

Urban Agriculture

EXTREME HEAT

→ Increased access to, and production of, locally grown food, strengthen climate resiliency, and spur economic activity through community gardens, urban farms, rooftop farms, and controlled environment agriculture

Before

After

Place type: Campuses

Typical implementation timeline: 1-3 years

Mariners Harbor Houses Farm, Staten Island

Cloudburst

EXTREME RAINFALL

→ Campus-scale approaches to absorb, store, and transfer stormwater to minimize flooding from extreme rain events.

Before

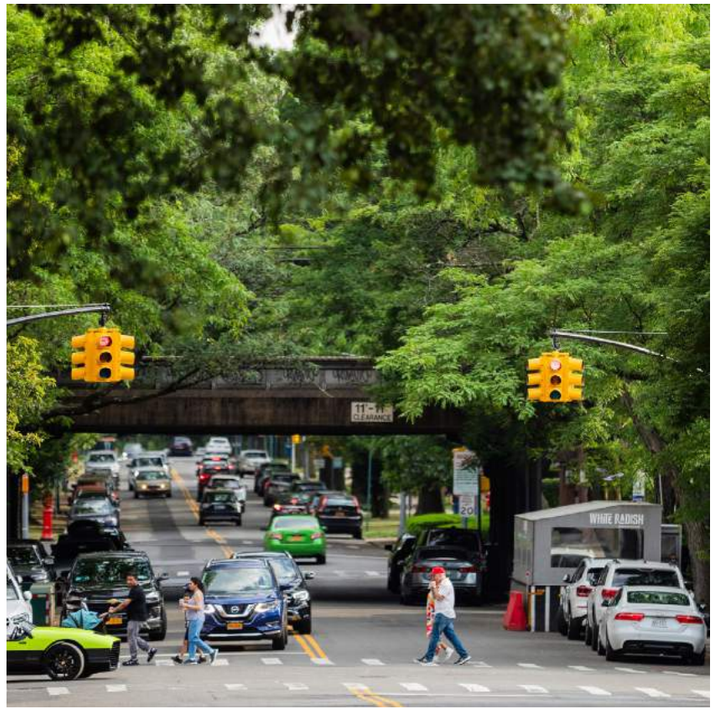
After

Place type: Campuses

Typical implementation timeline: 3-5 years

South Jamaica Cloudburst Pilot

Selected Programs for Discussion



Cool Corridors

Urban Agriculture

Resilient Playgrounds

Climate Adaptation Exercise

Discussion Questions

Goal: Community input and perspective on potential programs

→ Where could this be implemented?
→ Who would benefit or be negatively impacted?
→ Who should be involved?
→ What other benefits can this provide?
→ What problems could this solve?
→ What other community priorities could this connect with?
→ How could this impact life in the neighborhood?

Next Steps

Next Steps

Stay tuned for Climate Strong Communities' Virtual Climate Summit in April 2024.

To stay in touch, please contact:
ClimateStrongCommunities@cityhall.nyc.gov


Thank You