

NYC Parks By the Numbers

30,000 acres of parkland

10,000 acres of natural areas

1,900 parks

1,000 playgrounds

1,000 buildings

155 miles of coast

14 miles of public beaches

2 million trees in parks

670,000 street trees

67 pools

48 recreational facilities

17 nature centers

1,200 monuments

28 art exhibits

2,500 miles of GreenStreets

1,772 basketball courts

800 athletic fields

600 community gardens

500 tennis courts

13 golf courses

9 ice skating rinks

23 historic houses

14 green roofs

400 concession contracts

1,800 community groups

7,000 Full Time Equivalents (FTEs)

\$600M FY22 Expense Budget

\$1.2B Annual Capital Budget

Over 540 active projects



- Department of Fun, Health and Happiness
- Completed 850 capital projects
- Prioritized diversity, equity, inclusion and access
- Elevated parkland as essential infrastructure
- Used the system and assets to advance sustainability
- Increased access to nature
- Used parkland to combat the threats of climate change
- Purpose: Guardians, protectors and healers
- Led agency with a culture of care













21st Century Challenges & Emerging Trends

- Graying and browning of America
- Rise of the single person households
- Traditional family is changing
- Aging infrastructure
- Urban sprawl, aging suburbs, shrinking rural areas
- Climate change, extreme weather events
- Droughts, flooding, wildfires
- Antiquated and exclusionary zoning tools
- Energy
- Affordable and attainable housing
- Public health crisis
- Racial and social justice
- Divisive politics
- Post-COVID behavior





Parks serve many roles

Parks are not just green spaces, but **public** spaces for people

Not just an amenity, but a vital part of the community's **essential infrastructure**

Access to nature and helps clean the air and water, cool places

First line of defense against climate change

System to advance sustainability

Physical and mental well being

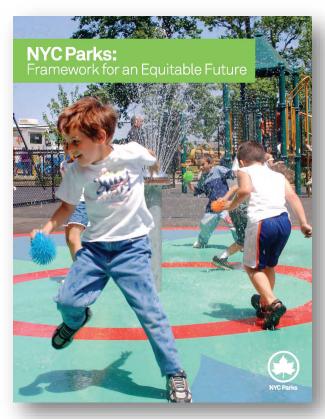
Economic driver for creating great places and increasing value



Purpose-Driven Approach

- 1. Equity, Access and Inclusion
- 2. Planning & Placemaking
- 3. Resiliency & Sustainability
- 4. Caring for Parks (not just maintenance)
- 5. Innovation and Technology

Framework for an Equitable Future







Capital in Context

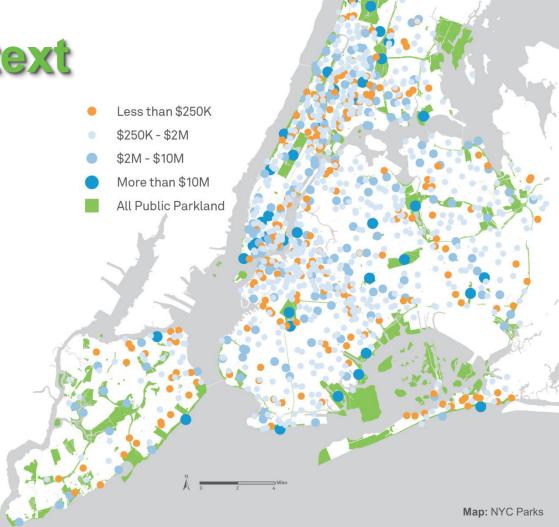
- NYC Parks spent ~ \$5.7 billion
 on capital improvements over the
 past two decades
- Acquired 1,168 acres since 2001
- 81.5% New Yorkers live within a walk of a park
- Proximity vs. Quality





Equity in Context

 215 parks across the city received minimal capital investment - less than
 \$250,000 over 20 years



Community Parks Initiative

CPI Capital Program

Re-create 67 community parks

Parks+ approach (parks must serve multiple purposes)

Targeted Physical Improvements

136 smaller-scale physical park improvement projects

- All work done with in-house crews
- Repainting/repairing play equipment
- Repainting handball courts and multi-purpose play areas
- Repainting/repairing benches
- Improving horticultural areas and lawn restoration
- Sports coating



FOUNTAIN OF YOUTH PLAYGROUND // THE BRONX



SOLITH PACIFIC PLAYGROUND // BROOKLYN





SEAN'S PLACE // QUEENS





Design Precedent for New Parks





Spray Showers Adult Fitness

Design Precedent for New Parks



Playground Ages 2-5

Fitness, Handball Courts, Gathering Areas

Design Precedent for New Parks (Parks+)





Planted Areas

Planting/Stormwater Capture

Design Precedent for New Parks





Multi-generational social seating



Poor Access



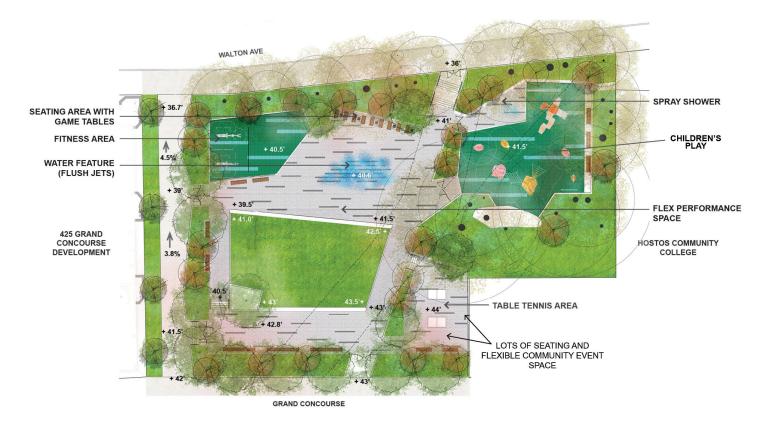




Existing Conditions



Concept Plan



Multi-Generational Space









Parks Equity Results

62 of 67 completed. Will improve **70 acres** of urban parkland

Established new "friends of" groups at 82% of CPI parks

Usership increased by nearly 50% since Parks Equity renovation



Van Alst Playground, Queens





Consumer Preferences

Previous generations were consumers of goods.

New generations are consumers of experiences.

We should not be just designers and planners, but experience builders





What about the Public Realm?

Streets, sidewalks, bike lanes, parks, and public spaces are viewed as separate systems and managed by different agencies.

Parks 14%

Streets and sidewalks 26%

NYC Public Realm 40%



Photo: ny.curbed.com









Parks Without Borders is a **new design approach** focusing on
improving the areas where
parks and neighborhoods meet: **entrances**, **edges**, and **park- adjacent spaces**.













Entrances

Opening sight lines, removing gates, and adding furnishings and amenities can draw more people into the park.



Before



After

Edges

Allowing better views into the park and making better use of the sidewalk can make neighborhoods more beautiful.



Before



After



Capturing Park-Adjacent Spaces



Travers Park

Existing Edge Condition





Transforming the Edge



Perimeter Amenities







Inclusion

- To be included and not excluded
- For all people in design process and community engagement
- Avoid designing exclusive parks and public spaces
- Make the spaces and places that are welcoming and safe for all
- Create a sense of belonging. "I feel welcome here. I belong here."







Loitering – to stand or wait around idly or without an apparent purpose – Oxford Dictionary

In 2017, NYC Parks removed

"loitering" as a park rule as part of
Criminal Justice Reform Act.





Arts in Parks

This booth was informed by the "Yes Loitering" Project.

A public space and safety youth initiative that sought:

- to investigate how teens might be excluded from or targeted in public spaces and
- develop ideas on how to create more youth-powered spaces.



Chat Travieso, *The Boogie Down (Youth) Booth* June 1, 2019 to May 31, 2020 Keltch Park, Bronx





Natural Reactions to Stress

PHYSICAL	EMOTIONAL	BEHAVIORAL	COGNITIVE	SPIRITUAL
Exhaustion	Shock and disbelief	Not acting like yourself	Trouble concentrating	Feelings of emptiness or loss of purpose
Headache	Denial	Emotional outbursts	Memory problems	Questioning basic values and beliefs
Dizziness	Sorrow	Argumentativeness	Trouble making decisions	Withdrawing from or suddenly turning to spirituality
Low Energy	Numbness	Hyperactivity	Raised or lowered alertness	Cynicism
Nausea	Fear	Social withdrawal	Trouble identifying familiar objects	Alienation or loss of connection from others
Sweating, chills	Agitation	Restlessness	Flashbacks or intrusive images	
Rapid Heart Rate	Irritability and anger	Changes in appetite, sex drive or sleep patterns	Confusion	
Trouble Sleeping	Grief and guilt	Smoking or using drugs or alcohol		
Trouble Breathing				Source: NYC Department of Mental Health and Hygiene





PROTECT YOUR MORNINGS
[or whenever you wake up]
less cortisol, more intentionality.



GO OUTSIDE

[or look outside]

perspective, context + something larger than this.



[avoid stagnation] in body, mind, spirit.

CULTIVATE RELATIONSHIPS

those that are edifying + healthy.

NURTURE GRATITUDE

what is one thing, right now, that is oping well?



DETOX

if navigating addictions be wise + safe

limit news + social media. SPEND TIME WITH ANIMALS

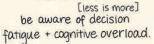
↓ stress hormones, ↑ comfort.



METABOLIZE ~~ ~ EXPERIENCING

re-regulate your nervous





ADMIRE ART the gift of feeling transported.



LAUGH

pure humor = a sustaining force.

FOSTER HUMILITY & EXTEND GRACE

self-righteousness + hubris = unhelpful.



to cleanse + repair brain + body.

CLARIFY INTENTIONS

how can i refrain from causing harm, how can i contribute meaningfully?

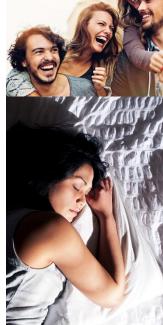
BE REALISTIC . COMPASSIONATE

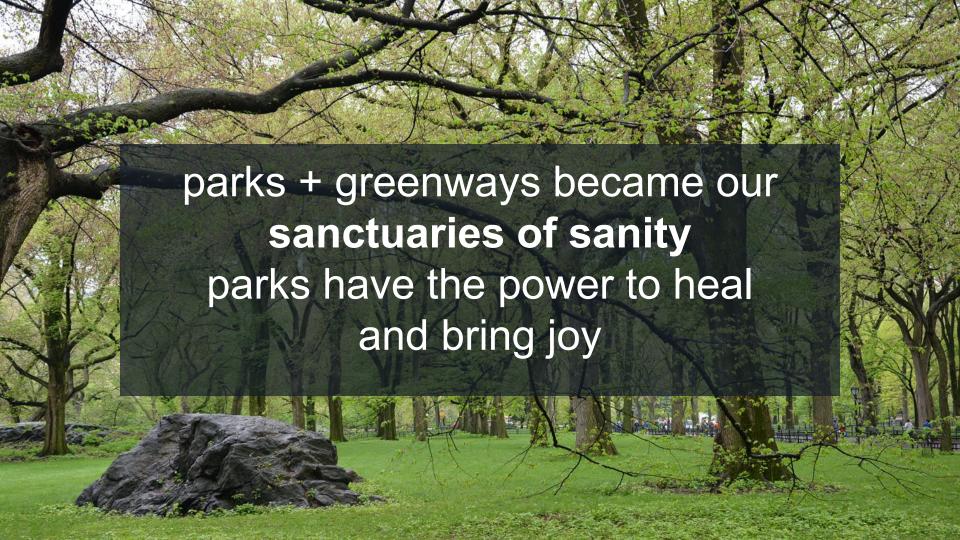
[with yourself]

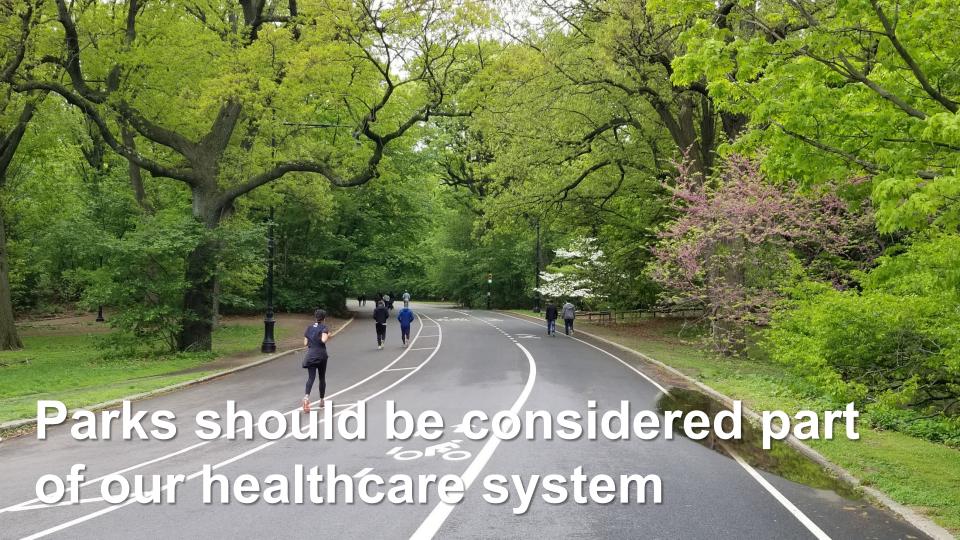
be mindful of the quality of your presence. it means so much to others.

@ The Trauma Stewardship Institute 2020































RESILIENCY & SUSTAINABILITY













Superstorm Sandy

- Caused over \$725M of damage to 392 Park sites
- Two-thirds of the most vulnerable population live with
 1/2 mile of flood zones





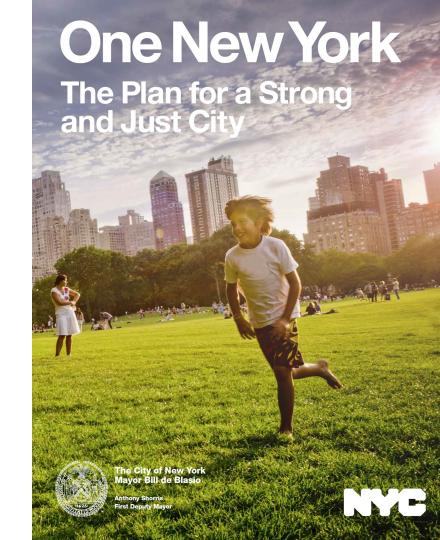
Photo: isglobalwarmingreal.org; dailynews.com

Resilient City

Neighborhoods

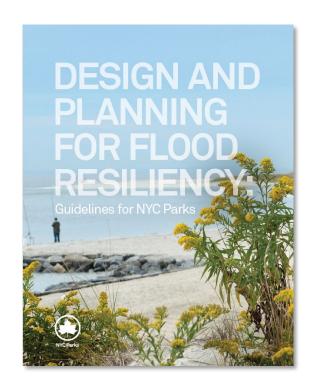
- Buildings
- Infrastructure

Coastal Defense





High Performance Landscape Guidelines (2010)



Design and Planning for Flood Resiliency: Guidelines for NYC Parks (2017)

Coastal Resiliency Strategies

- Natural Systems-Based
- Hard Structures-Based
- Integrated Flood Protection Systems



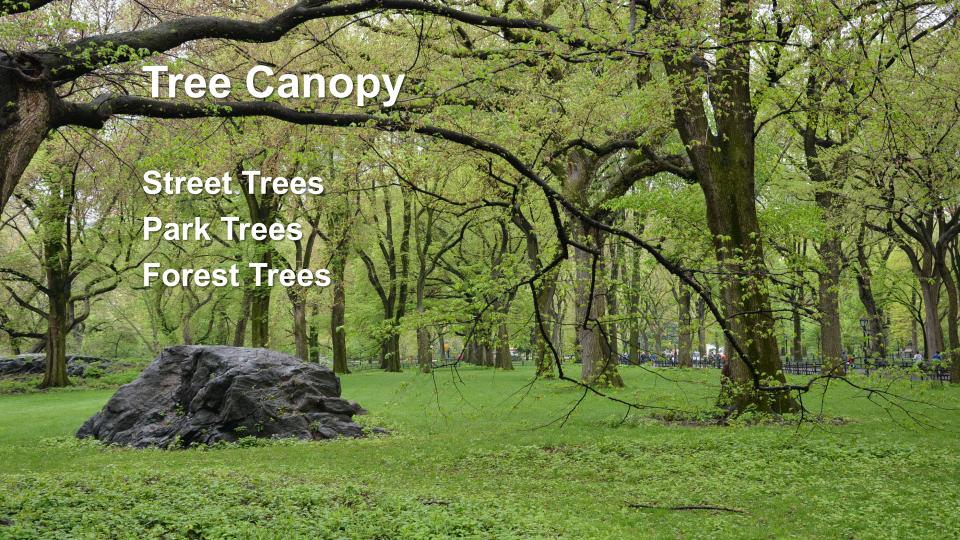












MillionTreesNYC

- Completed in 8 years, two years ahead of schedule
- A public-private partnership
- Street trees (16%), forest trees (55%), and trees on other public and private property (29%)

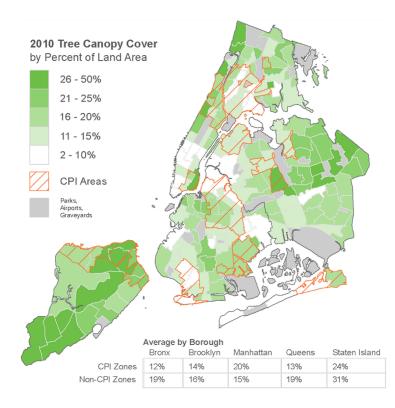
1 0 0 0 0 0 0 TREES PLANTED



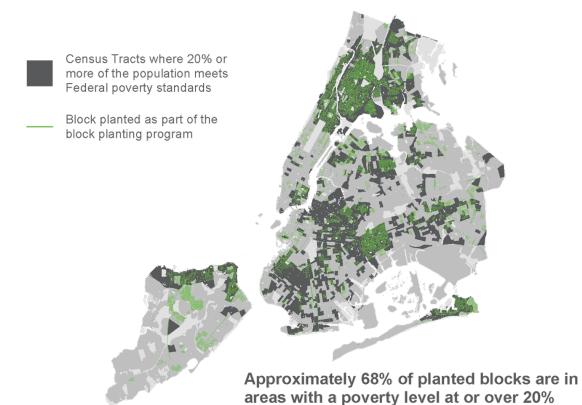


Tree Canopy Benefits

- Removes 1,300 tons of air pollution each year (valued at \$93.2 million)
- Captures 61,000 tons of carbon each year (valued at \$7.7 million)
- Reduces energy costs from residential buildings by \$17.2 million each year
- Reduces runoff by an estimated 1.9 billion gallons of water per year (valued at \$1.9 million in avoided treatment costs)
- Stores an estimated 1.2 million tons of carbon (valued at \$145 million)



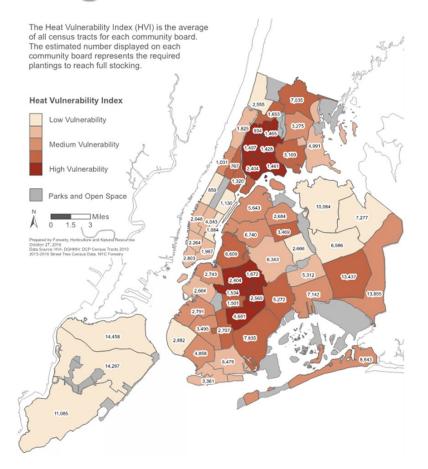
Tree Planting and Equity

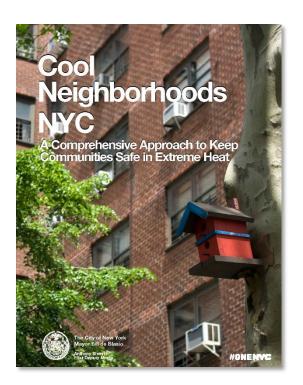






Cool Neighborhoods





We are experiencing significant disruptions and emerging challenges

Parks are not just nice amenities, but a vital part of a community's **essential infrastructure** and a system to advance sustainability

Climate change is the most significant threat of our generation. Let us commit to our purpose and pledge today to be guardians, healers, and protectors of people and the environment.

Because or communities need us, our country needs us our planet needs us.





