

March 11th, 2020

Battery Park City Sustainability Plan Public Roundtable

Objectives for the Day

Share information with you on the Battery Park City Sustainability Plan process

Hear your priorities

Capture concerns, questions, and feedback

Outline

Introduction

to the
Process
10 min

Strategies
10 min

Breakout
Groups
1 hour

Close-out
30 min



Outline

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Battery Park City Strategic Plan



Battery Park
City Authority

2 - A SAFE AND CLIMATE RESILIENT PLACE

Goal 2.2

Develop and implement a strategy to achieve a carbon neutral Battery Park City

2.2.1 Develop a sustainability plan that includes new green guidelines

Create a 10-year sustainability plan for Battery Park City, including new sustainability guidelines

Environmental responsibility is a key component of our mission. As climate change projections become more dire, we will engage in a sustainability planning process that will accelerate our reduction in the emission of greenhouse gases (GHGs) and enhance our overall sustainability. The plan will focus on specific areas and activities that can accelerate implementation that include enforcement tools, collaboration strategies, and incentives. The plan will also build on and modernize our prior leading efforts by creating new Green Guidelines for the neighborhood and providing tactical guidance to stakeholders, such as building owners and local businesses.

Action type: Underway
Timeframe: Short

2.2.2 Accelerate neighborhood greenhouse gas reductions

Incentivize BPC's residential and commercial buildings to achieve carbon neutrality by 2050

In 2019 Governor Andrew M. Cuomo announced a Green New Deal to aggressively put New York State on a path to carbon neutrality. In addition New York City passed landmark legislation setting carbon emissions for buildings greater than 25,000 square feet in 2024. The second carbon cap will follow in 2030 and will be even more stringent. Our forthcoming new Green Guidelines will include detailed recommendations for buildings to maximize energy efficiency, monitor energy performance and purchase power from renewable sources. In order to meet and potentially exceed this target, we will explore potential mechanisms to incentivize BPC's building owners to do the same. BPCA will test the feasibility of funding sources for financial incentives, enforcement measures and/or other collaboration strategies.

Action type: Underway
Timeframe: Medium

Vision

- **Innovative model**
- **Urban climate action**
- **Collaboration and mobilization**
- **Harmony with the environment**

Objectives

Sustainability Plan

Frame the long-range environmental vision for Battery Park City with overarching sustainability goals, objectives, and milestones.

Green Guidelines

Formulate specifically targeted means, quantifiable measures, and projected timeframes for achieving the objectives of the Sustainability Plan.

Sustainability Implementation Plan

Develop a strategy for facilitating the implementation of the green guidelines and a framework for ensuring movement toward goals.

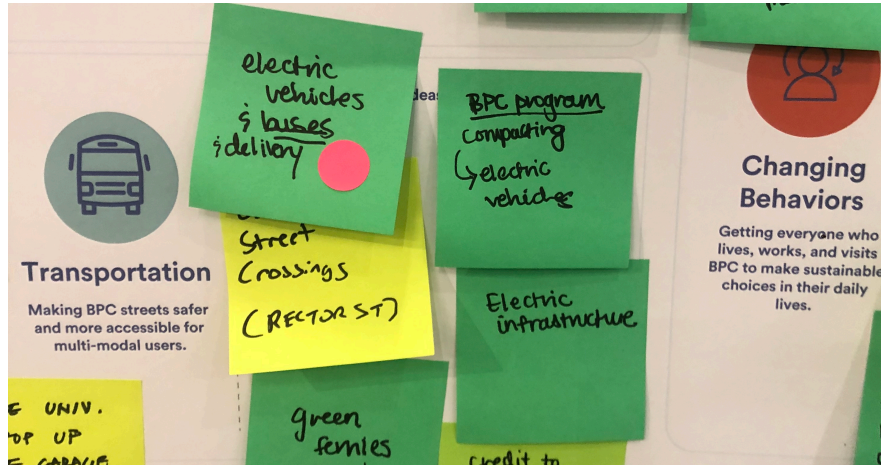
What we heard

We heard that BPC residents have pride in current initiatives and aspire to set a new benchmark and standard that surpasses others

We heard that becoming more resilient to storms and sea-level rise should be considered a high-priority

We heard that prioritizing highly visible strategies can encourage the sense of “we’re in this together” and motivate collective action





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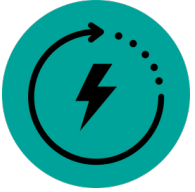
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Topic Areas



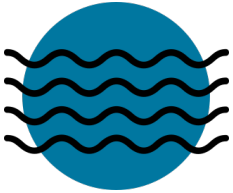
Energy

- Energy consumption
- Renewable energy



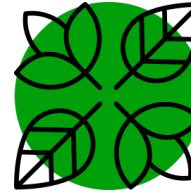
Materials & Waste

- Waste management
- Use of 'Green' materials



Water

- Water consumption
- Storm water management



Site

- Open space & landscape management
- Transportation
- Air Quality & Health

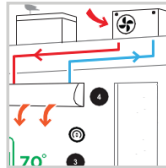
Existing Conditions

- There are a variety of facade and building heating/cooling equipment types in BPC
- There are also solar PV panels installed on nine buildings
- BPC buildings use 30% less energy than the NYC average

Possible Strategies



Deep energy retrofits of existing buildings



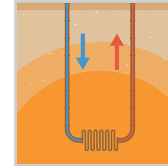
Building electrification



Renewable energy supply and storage



Climate action



Low-carbon district energy systems

Existing Conditions

- Six multifamily buildings have water reuse systems in place
- The Solaire was the first building in NYC to have on-site wastewater treatment
- BPCA has smart systems for certain areas
- BPC buildings consume more than 378 million gallons of water per year

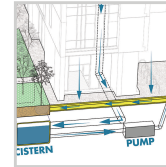
Possible Strategies



**Water
conservation**



**Stormwater
management**



**Water
recycling
systems**



Materials & Waste

Existing Conditions

- A total of 46.2 million pounds of trash per year is estimated to be produced in BPC
- 85 percent of waste generated in BPC is sent to landfills
- BPCA has a robust composting program at 75 Battery Place

Possible Strategies



Sustainable consumption



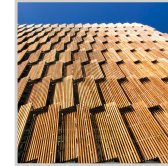
Waste diversion



Organics collection and composting



Construction and demolition activities



Building materials



Site

Existing Conditions

- There are 680 street trees in BPC over 2.9 miles of roadway, more than the city average
- Rockefeller Park alone has 285 species of plantings
- BPCA uses non-toxic cleaning products, non-VOC paints, and limits overall chemical usage
- 15.3 acres of building space in BPC is used for parking

Possible Strategies



Quality of life
(incl. air quality)



Active transportation



Electric vehicle infrastructure



Biodiverse and resilient landscape

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Breakout Groups

What is your ideal BPC Sustainability Plan?

- **Solicit feedback on the proposed strategies**
- **Understand potential hurdles and barriers to implementing strategies**
- **Generate ideas for other strategies and ongoing communication and engagement**

Breakout Groups



Organics collection and composting



DESCRIPTION
Replace compost with all organic waste in City's composting program



Electric vehicle infrastructure

Level 2 EV charging stations
Construction that has parking
retrofits of existing parking
of 19 electric vehicles (EVs)
its operations. By contrast,
an one percent electric
of nearly 6,000 vehicles, but



Deep energy retrofits of existing buildings



ACTIONS
Provide deep energy retrofit technical guidance and support to buildings
Develop educational programs about building retrofits for building owners as well as for residents
Educate building operators and building users about energy efficiency upgrades
Publish educational materials such as case studies and toolkits to track and promote retrofit successes in the community

KEY FACTS
Battery Park City is home to 50 residential, commercial, civic, and institutional buildings.




Stormwater management




KEY FACTS
The Battery Park City Authority is in the process of coastal and stormwater management projects focused on coastal and stormwater resiliency. When completed, these projects will help protect the community from storm surges and sea level rise.

Breakout Groups

Sustainability & Implementation Plan



Deep energy retrofits of existing buildings



ACTIONS:
Provide deep energy retrofit technical guidance and support to building owners.
Develop educational programs about building retrofits for building owners as well as for residents.
Educate building owners and building users about energy efficiency upgrades.

KEY FACTS:
Relative to national estimates, our on-site studies and audits in brick and concrete multifamily structures in the community.

Why?


2020

Steps to get in there


1.

2.

3.



Organics collection and composting



ACTIONS:
Purchase composting equipment and expand capacity to accept all organic waste materials and to meet all of Battery Park City's compost needs.
Educate the community on composting and organic waste avoidance through events and informational materials.
Update the Battery Park City community guide to expand composting options and increase opportunities in the community.

KEY FACTS:
The Battery Park City Authority currently operates a successful composting program offering organic waste from local offices, shops, and restaurants on-site in residential buildings and public spaces. The program produced at Battery Park City is used to support local parks and gardens.

Why?


2022

Steps to get in there


1.

2.

3.



Water conservation



ACTIONS:
Educate the community on water conservation and sustainable choices through a behavior campaign with informational materials and events.
Minimize the washing of the pavement and walkways around the fountain through the use of water-efficient equipment.
Install high-efficiency equipment for irrigation systems across Battery Park City.

KEY FACTS:
Report this region from these beds to all of BPCA's landscaped areas, including lawns.

Why?


2024

Steps to get in there


1.

2.

3.



Climate action



ACTIONS:
Develop a Climate Action Plan that builds off of the Sustainability Plan and addresses climate-related patterns and additional actions to reach carbon neutrality by 2050.
Quantify the carbon sequestration potential of existing trees and soils.
Develop a sustainability section in the BPCA Employee Handbook.

KEY FACTS:
In New York City, approximately 40 percent of emissions are from building energy. 30 percent is from transportation, and 3 percent is from waste (excluding landfills).

Why?


2026

Steps to get in there


1.

2.

3.



Electric vehicle infrastructure



ACTIONS:
Work with DOT to install curbside Level 2 EV charging stations.
Monitor EV installed for new construction that has parking provisions.

KEY FACTS:
BPCA Park Operations has a fleet of 10 electric vehicles (EVs) and has had personal vehicles for its operations. By contrast, New York City is expected to have more than 1 million electric vehicles. The MTA has a bus fleet of nearly 6,000 vehicles, but as of 2019 only three are electric.

Why?

2028


Steps to get in there


1.

2.

3.

2030





Battery Park City Authority

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Breakout Groups

Why is it important?

When should it happen? ...

What are the steps to
achieve the strategy goals?

[PLACE YOUR STRATEGY HERE]

Why?


2020

Steps to get in there

1.

2.

Deep energy retrofits of existing buildings



ACTIONS

Provide deep energy retrofit technical guidance and support to building owners

Develop educational programs about building retrofits for building owners as well as for residents

Educate building operators and building users about energy efficiency upgrades

Publish educational materials such as case studies and toolkits to track and promote retrofit successes in the community

KEY FACTS

Battery Park City is home to 50 residential, commercial, civic, and institutional buildings.

Why?


2022

Steps to get in there

1.

2.

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City Authority**

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Breakout Groups

Defer judgement

Encourage wild ideas

Build on the ideas of others

One conversation at a time

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Shareback

What strategies did you select?

Why did you lay them out in this timeline?

What questions do you have?

What's Next?

Online Updates

We will be posting updates from the meetings and ongoing efforts on BPCA's website as well as through social media using the hashtag **#BPCGreen**

Survey

We will follow-up with you with a follow-up survey to complete as another way to share your input at www.surveymonkey.com/r/BPCgreen

Earth Day Launch

We will be sharing more information about the Earth Day release of the BPC Sustainability Plan. There will be many ways to engage and participate as we implement strategies to create a more sustainable BPC.