



**Battery Park
City Authority**

BPC SUSTAINABILTY

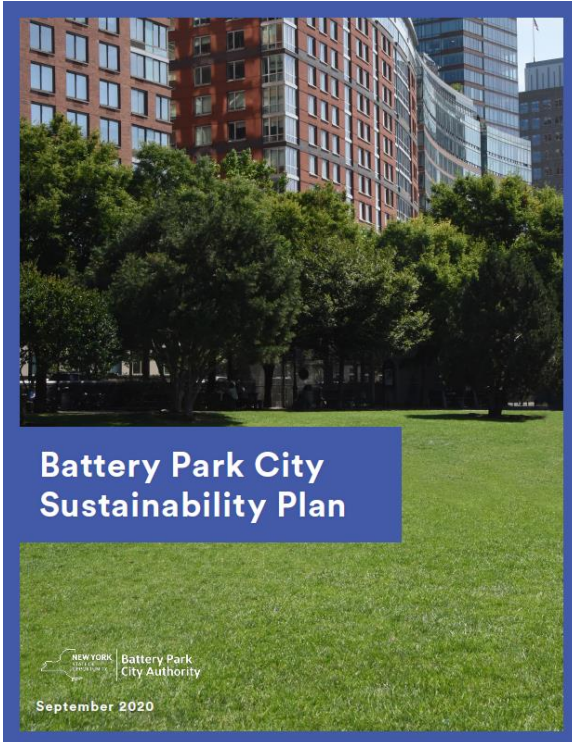


BPC Sustainability Plan Progress Report 2020-2023

SEPTEMBER 10, 2024

BPC Sustainability Plan

In 2020, BPCA published the first Battery Park City Sustainability Plan - a comprehensive plan to achieve progressive sustainability targets over 10 years. The plan was developed in consultation with a broad range of residential, local, and governmental stakeholders and it provides the framework for developing a carbon neutral Battery Park City by 2050.



3 x Goals

4 x Topic Areas

18 x Strategies

25 x 2030 Targets for BPC and BPCA

64 x 2022 / 2024 / 2026/ 2028 Supporting Milestones

46 x Actions

142 x Sub-Actions

BPC Sustainability Plan

Topic Areas and Strategies



Energy

- Deep energy retrofits
- Building electrification
- Low-carbon district energy systems
- Renewable energy supply and storage
- GHG emissions monitoring and reporting



Materials & Waste

- Sustainable consumption
- Sustainable building materials
- Waste diversion
- Organics collection and composting
- Construction and demolition activities



Water

- Water conservation
- Water recycling systems
- Resiliency and stormwater management



Site

- Biodiversity and habitats
- Quality of life
- Environmental monitoring and data sharing
- Active transportation
- Electric vehicle infrastructure

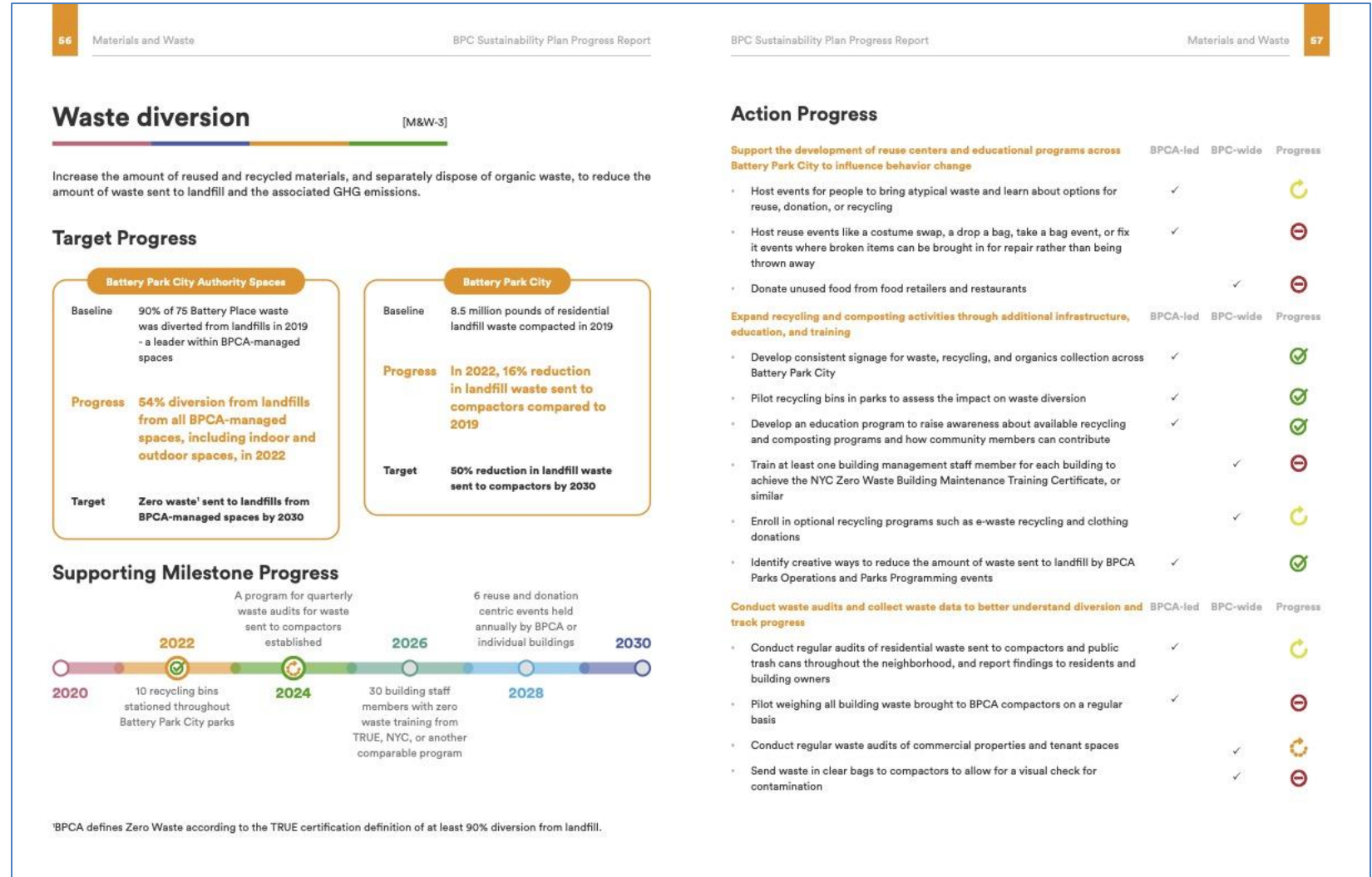
BPC Sustainability Progress Report 2020-2023

Progress Key		
	Not Started	No progress has been made yet or progress data is unavailable
	Initiated	Initial steps have been taken such as preliminary planning and small-scale efforts
	In Progress	Action is actively being implemented at-scale
	Completed	Action has been fully completed

Primary Responsibility Breakdown	
BPCA-Led	BPCA-Led
	Both
BPC-Wide	

BPC Sustainability Progress Report 2020-2023

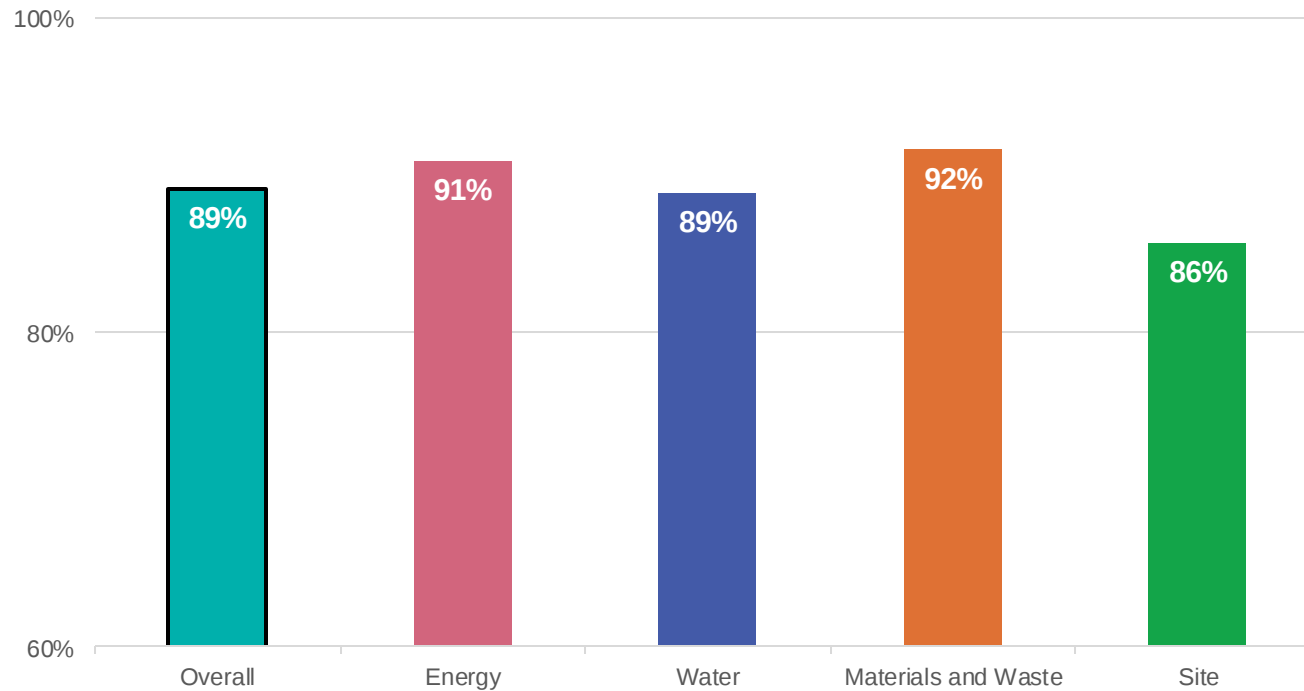
Sample page from the Progress Report



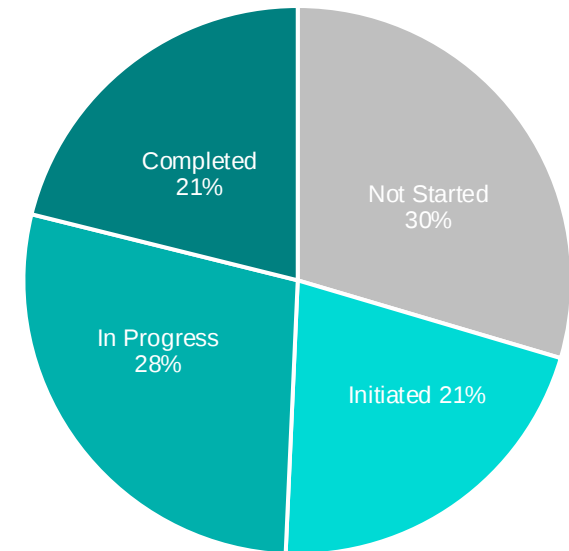
Plan-wide Progress

89% of all actions and **70%** of all sub-actions have been started

Overall Action Progress



Overall Sub-Action Progress



Progress Highlights - Energy

BPCA has made significant progress in understanding building energy use and studying the potential for energy efficiency across the neighborhood. However, there is still progress to be made in deep energy retrofits for buildings and implementing enhanced electrification in building energy systems.

- About **40% of BPC buildings' GHG emissions are below** LL97 2030 targets (2022 data)
- **BPC Building Inventory** includes existing buildings heating and cooling systems, capital improvement plans, energy usage and GHG emissions
- **District Energy Feasibility Study** evaluates low-carbon district energy scenarios for the neighborhood
- **75 Battery Energy Audit** to identified energy-conservation measures



Progress Highlights - Water

Through efforts such as the resiliency projects and piloting permeable pavers, BPCA has made strides towards improving stormwater management and becoming resilient to future storms in BPC. Moving forward there will be a focus on improving the monitoring and management of water consumption by buildings and investigating on-site greywater treatment and reuse.

- **Permeable Paving Pilot** assessed four paver types for efficiency, durability and pilot results have informed their use in capital projects.
- Wagner Park's new cistern is designed to store **over 16,500 cubic feet of water for reuse**, accommodating the 95th percentile storm event.
- Programs and events about **water conservation and education of the larger waterfront and aquatic ecosystem**, like 'Go Fish!' a celebration of life in the Hudson Estuary.



Progress Highlights – Waste & Materials

BPCA has made significant progress in its zero waste and composting initiatives, particularly through hosting public events and outreach campaigns to foster community involvement in waste minimization and waste diversion efforts. The ongoing resiliency projects also prioritize material reuse. However, the extent and frequency of waste audits can be improved to further understand and prevent excess waste generation.

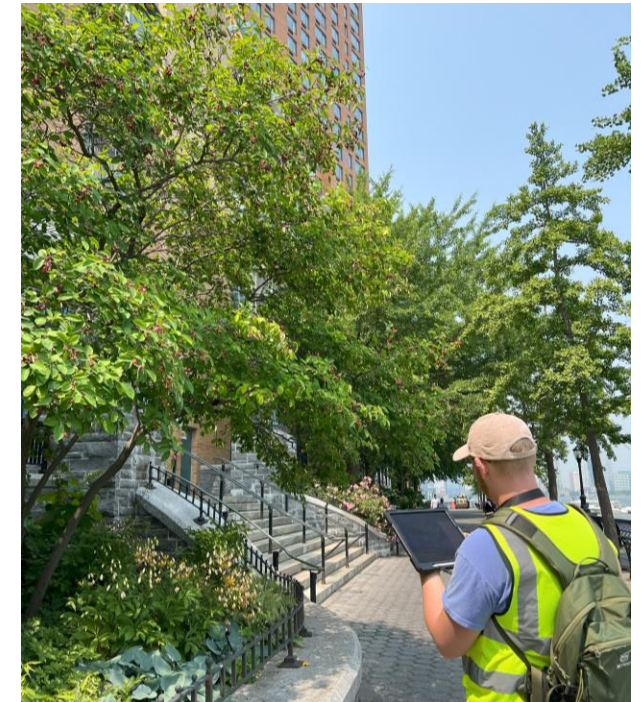
- More than 60 recycling bins were added to the parks, **providing recycling options for the first time** in BPC open spaces.
- BPCA's Composting Program has **increased its processed weight of organic waste by 57%** from 2020 to 2023.
- In 2023, SBPCR was able to **divert 48% of materials** from landfill.



Progress Highlights - Site

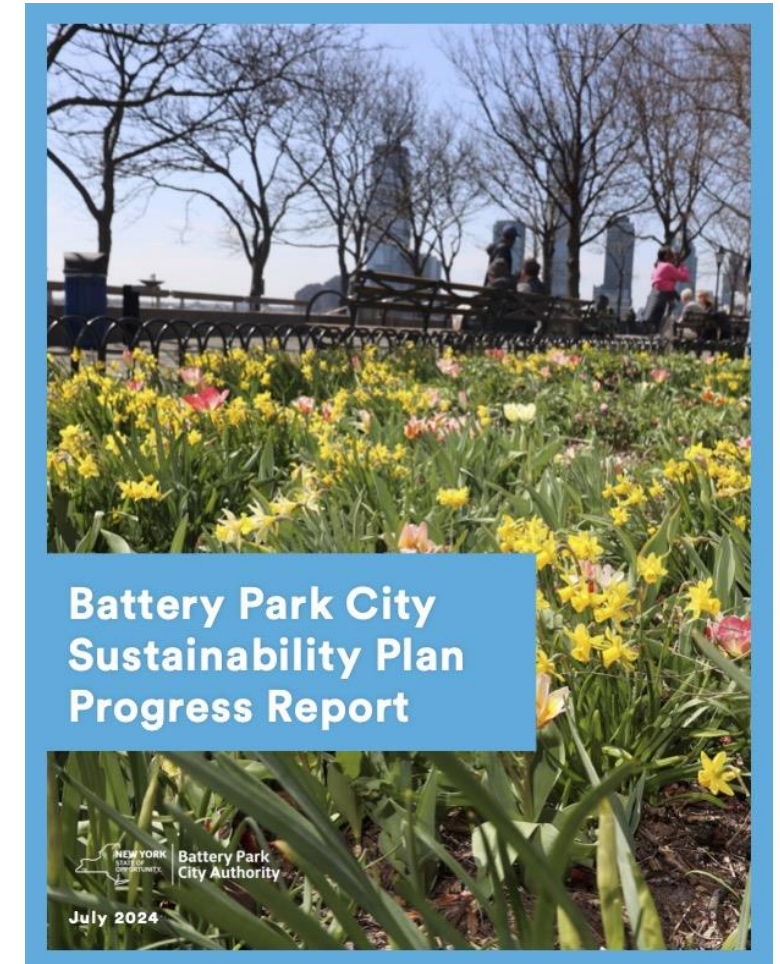
BPCA has been working to better understand the biodiversity and local habitats within BPC, improve standards for protecting trees, and increase awareness of the rich biodiversity within the neighborhood through community engagement and education. There is still work to be done to encourage active transportation and to expand EV charging infrastructure across the neighborhood.

- **Urban Tree Canopy & Biodiversity Assessment** completed, including an evaluation of urban heat island assessment to understand outdoor thermal comfort in the neighborhood
- New **tree management software** which includes a public-engagement feature
- **EV Guide for BPC Garage Owners** created with resources and guidance for EV charging infrastructure



WHAT'S NEXT

- **Climate Week – September 22 – 29**
 - Release BPC Sustainability Progress Report
 - Meet the Beekeeper Event and Climate Week Nature Walk
 - Education campaign around expanded food waste inputs for BPCA Composting
- **Evaluation of certain Sustainability Plan targets** based on implementation progress. Update Plan following the Strategic Plan process – Spring 2025 release updated Sustainability Plan





Battery Park
City Authority

NEW COMPOSTERS AT 75 BATTERY





**Battery Park
City Authority**