

125TH ANNIVERSARY CAPITAL PLAN
2016–2021



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AN EXPANSIVE AND COMPLEX CAMPUS

To establish a context for its capital plans, it is important to remember that NYBG has 38 structures, 780,000 square feet of building space, 10.2 miles of paths and roads, and covers 250 acres. While its gardens and landscapes are the most visible, NYBG is also an institution with the scope and complexity of a university campus.

Phase I 2016–2018
Phase II 2019–2021

- Conservatory Dome and Energy Project
- New Exhibition House
- Adaptive Reuse of Old Laboratory and Mosholu Gate Redesign
- Lorillard Stable and Operations Compound
- Restoration of the South Forest
- Rejuvenation of the Rock Garden
- Restoration and Expansion of the Magnolia Collection
- Restoration of Daylily/Daffodil Walk
- Infrastructure Renewal—Paving, Lighting, and Stormwater Management
- New Tram Fleet
- New Center for Continuing Education
- Everett Children's Adventure Garden Restoration
- The Edible Academy
- GreenSchool Renovation
- Systems and Equipment
- Information Technology

CREATING A GREEN URBAN OASIS: BUILDINGS

▪ Conservatory Dome and Energy Project

Elements of the Conservatory that were not restored during the 1990s renovation, including the compression ring and heat distribution system, now require replacement. In addition, the doors, restrooms, roof, generator, steam boilers, and stormwater drainage will be repaired.

Phase I 2016–2018: \$15,000,000

Raised to Date: \$ 8,250,000

Requests Pending: \$ 5,000,000



The Dome's compression ring needs replacement.

▪ New Exhibition House

A new programmatic and revenue generating facility to expand audiences and relieve pressure on the Conservatory will be planned and designed. It should be a new structure with flexible space to mount exhibitions, and it may or may not be a glasshouse. Construction will take place beyond the period covered by the strategic plan.

Phase I 2016–2018: \$1,000,000 (\$1,000,000 committed for program/business planning)

Phase II 2019–2021: \$4,000,000 (architectural planning and design)



Two preliminary ideas for a new exhibition house

- **Adaptive Reuse of Old Laboratory and Mosholu Gate Redesign**

The Old Lab is located in a high-traffic area near the Mertz Library and Mosholu Gate with no current strategic function. A new program plan for the Lab may include exhibition space, food service, a retail shop or classrooms, and the Mosholu Entrance redesign will create a “sense of arrival” and orientation for Garden visitors.

Phase I 2016–2018: \$ 2,000,000 (planning and design)

Phase II 2019–2021: \$13,000,000 (construction, depending on final program plan)



An opportunity for new visitor services amenities

- **Lorillard Stable and Operations Compound**

The rehabilitation of the historic Lorillard Stable as well as the other buildings and facilities that make up the Operations Compound is needed to make this a safer and more efficient service area. The work to be done includes repair and replacement of the roof, gutters, skylights, masonry, mechanical, electrical, and plumbing systems. During the course of this strategic plan, emergency repairs are needed as well as the planning and design of a full restoration, which would take place beyond the period covered by this plan.

Phase I 2016–2018: \$2,000,000 (emergency repairs)

Phase II 2019–2021: \$2,000,000 (planning and design)



A historic structure in dire need of repair and renovation

CREATING A GREEN URBAN OASIS: LANDSCAPES

▪ Restoration of the South Forest

This 25-acre landscape has never been maintained as forest. Its originally intended use, which never occurred, was as an exhibition area for woody plant collections. A forest management plan that would restore the forest landscape needs to be developed during this strategic plan. Major additions and endowment support are beyond the period covered by the plan.

Phase II 2019–2021: \$2,000,000 (planning, design, forest management plan, and restoration)



A 25-acre opportunity for restoration

▪ Rejuvenation of the Rock Garden

The Rock Garden is a major horticultural attraction and a heavily used specialty collection next to the Native Plant Garden. Pathways and infrastructure will be upgraded and the collection will be enhanced by adding new varieties of plants. Planning and design as well as collections development would occur in this planning period. Major construction as well as endowment support are beyond the period covered by this plan.

Phase II 2019–2021: \$2,000,000 (planning, design, and collections development)



A potential four-season attraction

- **Restoration and Expansion of the Magnolia Collection**

The five-acre Magnolia Collection is on the tram tour in a high-profile section of the Garden. It will be enhanced through the redesign of circulation, signage, the introduction of an overlook, and the expansion of the Collection both in square footage and in the number of varieties represented. Planning and design as well as collections development would occur in this planning period. Major construction and endowment support are beyond the period covered by this plan.

Phase II 2019–2021: \$2,000,000 (planning, design, and collections development)



A beloved collection expanded and rejuvenated

- **Restoration of Daylily/Daffodil Walk**

Located in a highly trafficked area of the Garden between the Mertz Library and the Haupt Conservatory, Daylily/Daffodil Walk is in need of improvement and expansion. The planting beds will be made wider and run the full length of the Walk and new varieties of daylilies and daffodils will be added.

Phase II 2019–2021: \$200,000



New varieties, bigger planting beds, a more impressive spring and summer spectacle

CREATING A GREEN URBAN OASIS: INFRASTRUCTURE

▪ Infrastructure Renewal—Paving, Lighting, and Stormwater Management

Many paths and roadways in the Garden are simply worn out. There is also a related need for stormwater drainage to prevent the deterioration of the paving and unfiltered runoff flowing into the Bronx River. In addition, as more evening events are added to the Garden schedule, lighted pathways have become a necessity.

Phase I 2016–2018: \$1,975,641 (These funds have been raised; Conservatory Drive is in progress.)

Phase II 2019–2021: \$9,800,000 (for Garden Way, Azalea Way, etc.)



Permeable pavement instead of flooded roadways

CREATING A GREEN URBAN OASIS: VEHICLES

▪ New Tram Fleet

The tram fleet is essential to audience development and generating earned income. The tram tour is at the heart of the visitor experience. The existing fleet has outlived its useful life and must be replaced.

Phase I 2016–2018: \$1,971,000 (NYBG has requested this amount from the City.)



New trams for one million visitors

CONNECTING GARDENING TO THE ARTS AND HUMANITIES

▪ New Center for Continuing Education

We need to create an Education Center with a welcoming and “unified campus” that reflects NYBG’s prestige and caliber. It would include a cohesive identity, a redesign of the lobby, classroom upgrades and renovations and a 100-seat lecture hall. During this strategic plan, the planning and design for both short- and long-term needs, including a full building rehabilitation, would be completed as well as upgrades to classrooms. The full rehabilitation is not in the period covered by this plan.

Phase I 2016–2018: \$1,500,000 (planning and design)

Phase II 2019–2021: \$1,000,000 (classroom upgrades)



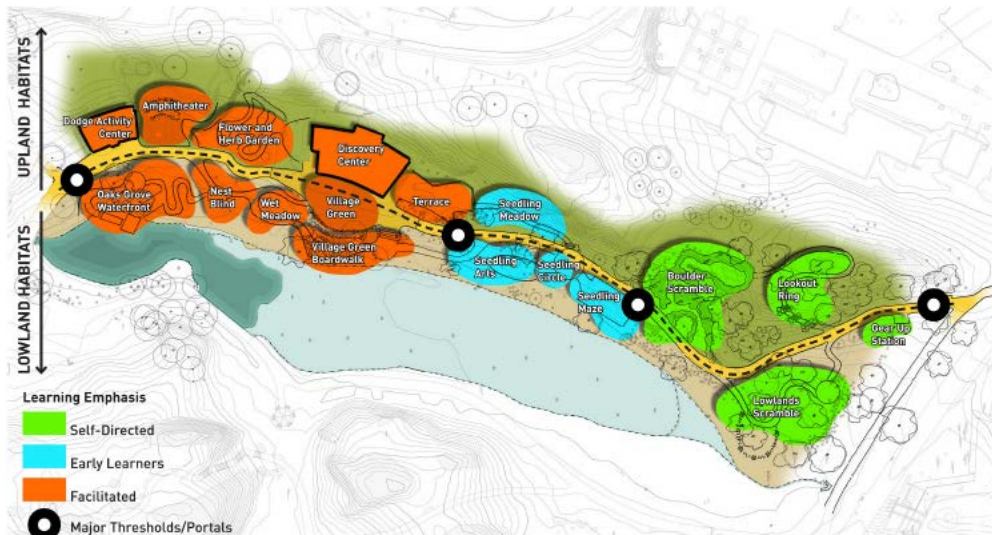
A cohesive, welcoming place for continuing education

TEACHING SCIENCE TO CITY KIDS

▪ Everett Children’s Adventure Garden Restoration

The Everett Children’s Adventure Garden is a major attraction and a central facility for educating school groups and teachers. It has been almost 20 years since it was constructed and it is in need of a rehabilitation. Aging exhibits will be redesigned and replaced, and facilities will be upgraded with new mechanical systems, a public restroom, reconfigured spaces, and refurbished finishes.

Phase I 2016–2018: \$4,899,000 (All funds are in hand from private and government sources.)



New exhibits, facilities, and activities

TEACHING SCIENCE TO CITY KIDS

▪ The Edible Academy

The Edible Academy and Ruth Rea Howell Family Garden enhancements will allow the Garden to offer Children's Education and Teacher Training programming year-round and to double the number of annual participants. The project is designed to be a new LEED Gold facility that includes two classrooms in a year-round facility with a greenhouse, pavilions, nursery, service yard, amphitheater, and tram stop.

Phase I 2016–2018: \$5,650,000 (\$4,125,669 is needed to complete funding for this project.)



LEED Gold facility with classrooms, greenhouse, amphitheater, and tram stop

▪ GreenSchool Renovation

The GreenSchool is located in the basement of the Haupt Conservatory, which was designed to be storage and horticulture work space. Proper GreenSchool classrooms include improvements to the physical space that will make them more appealing, more efficient for learning, and more adaptable to modern teaching technologies.

Phase II 2019–2021: \$1,500,000



Efficient, well-equipped learning environment

SAVING THE PLANTS OF THE WORLD

▪ Systems and Equipment

The Garden's Science programs require new, more advanced technology to support digitization; storage, backup, and retrieval of images and data; and analysis and presentation of research materials. Upgrades and additions include networking, storage and backup upgrades, digitization equipment, a cloud-based system for GIS and a Digital Asset Management System.

Phase I 2016–2018: \$1,901,127 (The main source of funding will be Federal research grants.)



Digitization equipment for sharing NYBG's scientific data

INSTITUTIONAL MATTERS

▪ Information Technology

The investment in the Garden's Information Technology program has not kept up with the rapid changes in technology. The Garden needs upgrades to the network and data storage and backup systems to support Garden-wide IT as well as new or enhanced systems for specific programs and business operations.

Phase I 2016–2018: \$2,024,359 (initial upgrades to the network and system replacements)

Phase II 2019–2021: \$1,375,641 (ongoing replacement of business systems)

Raised to Date: \$750,000



Networking and data storage equipment



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	Phase I 2016–2018	Phase II 2019–2021
Creating a Green Urban Oasis		
Conservatory Dome and Energy Project	\$15,000,000	\$ —
New Exhibition House		
Program and Business Planning	1,000,000	—
Architectural Planning and Design	—	4,000,000
Adaptive Reuse of Old Lab & Mosholu Gate		
Planning and Design	2,000,000	—
Construction	—	13,000,000
Lorillard Stable and Operations Compound		
Emergency Repairs	2,000,000	—
Planning and Design	—	2,000,000
New Tram Fleet	1,971,000	—
Infrastructure Renewal	1,975,641	9,800,000
Daylily/Daffodil Walk Restoration	—	200,000
Magnolia Collection Restoration and Expansion	—	2,000,000
South Forest Restoration	—	2,000,000
Rock Garden Rejuvenation	—	2,000,000
Connecting Gardening to the Arts and Humanities		
New Continuing Education Center		
Planning and Design	1,500,000	—
Classroom Upgrades	—	1,000,000
Teaching Science to City Kids		
ECAG Restoration	4,899,000	—
Edible Academy	5,650,000	—
GreenSchool Renovation	—	1,500,000
Saving the Plants of the World		
Systems and Equipment	1,901,127	—
Institutional Matters		
Information Technology	2,024,359	1,375,641
Total Capital Projects 2016–2021	\$39,921,127*	\$38,875,641

*As of April 30, 2016, \$17,619,972 has been raised toward the Phase I Total Capital Projects.

