

# PUBLIC ART COMMISSION APPLICATION FORM



**PUBLIC ART + CIVIC DESIGN DIVISION**

City of Pittsburgh, Department of City Planning

## 1 Project information

TYPE OF PROJECTS

Conceptual Review

Conceptual/Final Review

Final Review

Courtesy Review

HAS THIS PROJECT EVER COME BEFORE ART COMMISSION

No  Yes When \_\_\_/\_\_\_/\_\_\_

DURATION OF PROJECT

From \_\_\_/\_\_\_/\_\_\_ to \_\_\_/\_\_\_/\_\_\_

Permanent

## 2 Applicant information

NAME \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE \_\_\_\_\_ EMAIL \_\_\_\_\_

RELATIONSHIP OR ROLE IN PROJECT \_\_\_\_\_

CO-APPLICANT NAME \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE \_\_\_\_\_ EMAIL \_\_\_\_\_

PRESENTER AT HEARING (IF DIFFERENT THAN APPLICANTS) \_\_\_\_\_

## 3 Project Location

ADDRESS \_\_\_\_\_

CROSS STREETS OR OTHER RELEVANT INFORMATION \_\_\_\_\_

NEIGHBORHOOD OR SECTOR \_\_\_\_\_

## 4 Budget

HOW ARE YOU PLANNING TO FUND THE PROJECT ?

Please provide a simple budget that describe cost of materials, artist fees, maintenance, installation, etc., as it pertains to the project.

## 5

### Along with this form submit the following:

- INDIVIDUAL OR ORGANIZATIONAL STATEMENT (250 words max.)
- LETTER OF INTENT THAT INCLUDES HISTORY OF THE PROJECT AND IT'S IMPACT ON THE COMMUNITY (500 words max.)
- VISUAL MATERIALS:
  - Conceptual Site plan & drawings in situ  Photographs of the proposed location and adjacent uses  Materials & Colors
  - Technical Drawings for Conceptual/Final Review
  - Final Construction Documents
    - Site Plan  Renderings  Elevations  Landscape Plan
- 2 LETTERS OF SUPPORT FROM PROJECT PARTNERS OR NEIGHBORHOOD COMMUNITIES + 1 LETTER OF SUPPORT FROM THE DEPARTMENT OF PUBLIC WORKS OR DOMI

### APPLICATION FORMAT

- (1) Digital copy of full application as single PDF document
  - (1) PDF presentation or Power Point to be projected at the hearing
- Send to: [pacd@pittsburghpa.gov](mailto:pacd@pittsburghpa.gov)

**YOU MAY BE REQUIRED TO HOLD A DEVELOPMENT ACTIVITIES MEETING WITH YOUR YOUR REGISTERED COMMUNITY ORGANIZATION PRIOR TO THE HEARING. FOR MORE INFORMATION GO TO [www.pittsburghpa.gov/dcp/rco](http://www.pittsburghpa.gov/dcp/rco)**

**PLEASE NOTE THAT AFTER RECEIVING ART COMMISSION APPROVAL, ANY NECESSARY PERMITS, CERTIFICATES OF OCCUPANCY, LEGAL AGREEMENTS, OR OTHER CITY APPROVALS ARE STILL REQUIRED. THESE MUST BE APPLIED FOR SEPARATELY AT THE APPROPRIATE CITY DEPARTMENTS AND ARE THE RESPONSIBILITY OF THE APPLICANT.**



9/21/2020

Art Commission of Pittsburgh  
Public + Civic Design Division  
City of Pittsburgh, Department of City Planning  
200 Ross Street, Fourth Floor  
Pittsburgh, Pennsylvania 15219

**RE: Phipps Conservatory & Botanical Gardens  
Production Greenhouse Rooftop Solar Project  
Art Commission Review Application**

Please find attached Phipps Conservatory & Botanical Gardens Art Commission review application package for the Production Greenhouse Rooftop Solar Project.

### **Phipps Mission**

To inspire and educate all with the beauty and importance of plants; to advance sustainability and promote human and environmental well-being through action and research; and to celebrate its historic glasshouse.

### **Project Letter of Intent**

At Phipps, each new flower show joyfully celebrates nature's beauty and pays tribute to a history of horticultural excellence that spans nearly 125 years. Our 14-room Victorian glasshouse complex opened in 1893 as one of the largest and finest of its time. In recent years the Phipps campus has also become a global model for sustainable and regenerative building design with the construction of multiple buildings certified under LEED, WELL, SITES and the Living Building Challenge. Among these are the Center for Sustainable Landscapes (CSL), SEED Classroom and the recently completed Exhibit Staging Center (ESC) building.

**Phipps Conservatory & Botanical Gardens**

One Schenley Park – Pittsburgh, PA 15213-3830 – phone: (412) 622-6914 – fax: (412) 622-7363 – web: [www.phipps.conservatory.org](http://www.phipps.conservatory.org)



A key element of each of these sustainable and regenerative design processes is to create buildings that are Net-Positive Energy, meaning they generate more energy than they require to operate. Phipps has enabled this by installing on-site renewable energy generating capacity from solar and wind that produces more energy than these buildings consume.

Since March of 2013, Phipps has installed a total of 217.09 kW of renewable energy generating capacity at its main campus in Schenley Park. These renewable energy systems have produced a combined 1,304,480 kWh of electricity since that time. Phipps is proposing to expand its on-site renewable energy generating capacity by adding 27.7 kW of solar panels to the available rooftop space on its Production Greenhouse Building. The proposed expansion would increase Phipps renewable energy generating capacity by 13% and produce an estimated 30,000 kWh/yr of additional electrical power.

This initiative will continue to support the expansion of renewable energy generation within the City of Pittsburgh and further drive our Phipps campus toward the long term targets of Net-Positive Energy and Carbon Neutrality.

**Application Package Documents Attached:**

1. Art Commission Application Form
2. Budget: Production Greenhouse Rooftop Solar Project
3. Solar Array Design Layout
4. Partner Letter of Support 1 of 2 – Sent separately
5. Partner Letter of Support 2 of 2 – Sent separately
6. Department of Public Works Letter of Support (Mike Gabel) – Sent separately

**Application Presentation PDF**

1. Phipps Production Greenhouse Rooftop Solar Project – Art Commission Review – October 2020

# Phipps Conservatory & Botanical Gardens

## Production Greenhouse Rooftop Solar Project

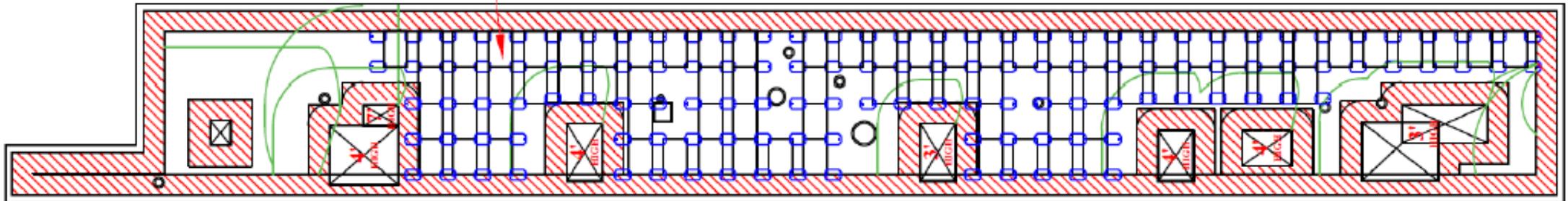
### Budget Detail

Scope Item	Cost
Rooftop preparation (electrical and mechanical demolition)	\$8,000
System design and permitting	\$4,500
Panels - Due at designated start date or actual install date whichever is earliest	\$43,100
Inverters - Due at designated start date or actual install date whichever is earliest	\$5,400
Racking/Steel - Due at designated start date or actual install date whichever is earliest	\$5,100
Install Panels	\$7,600
Install Racking	\$4,500
Install Inverters	\$9,700
Commissioning	\$2,800
<b>Total Budget</b>	<b>\$90,700</b>

# Phipps Conservatory Production Greenhouse Rooftop Solar Project System Design Layout



**SUNPOWER 360 27.72 KW**  
**77 PANELS - P400-P405 OPTIMIZERS**  
**127 BALLAST PANS**





**OAKLAND  
BUSINESS  
IMPROVEMENT  
DISTRICT**

235 Atwood Street  
Pittsburgh, PA 15213

October 1, 2020

Rob Indovina, Chair  
City of Pittsburgh Art Commission  
c/o The Department of City Planning  
200 Ross Street, Fourth Floor  
Pittsburgh, PA 15219

**RE: Phipps Conservatory and Botanical Gardens – Production Greenhouse Rooftop Solar Project**

Dear Mr. Indovina,

I am writing on behalf of the Oakland Business Improvement District in support of our community partner the Phipps Conservatory and Botanical Gardens, one of Oakland’s premier cultural attractions. We are excited for the proposed *Production Greenhouse Rooftop Solar Project*, a 27.72 kW solar energy installation project atop the Production Greenhouse Headhouse which will join other campus built and natural environments as functioning building components and teaching demonstration tools. Such state-of-the-art developments further promote a plant-based science and humanities approach to the environment and to our way of life celebrating the well-being of people, place and planet.

All new Phipps building projects since 2005 have been energy efficient and/or LEED certified. In 2007, the Living Building Challenge was adopted as Phipps’ standard. New buildings operate at net-positive energy from renewable energy produced on-site. The proposed project will join other solar energy generation installations at the Conservatory for a total system of 234.81 kW. Phipps has produced some 1,304,480 kWh of on-site renewable energy to date. The average Pennsylvania household uses 857 kWh per month.

From 2005 to 2016, Phipps reduced CO2 emissions by 56% per square foot, far exceeding the goals set by the Paris Agreement for 2025; and 100% of campus electricity is produced on-site with solar and wind or by purchasing renewable energy credits. Phipps purchases offsets for 100% of the carbon produced from heating our buildings.

For Pittsburgh’s garden-conservatory, the past is prologue to a future as ingenious as the region it serves. Built as a repository of horticultural excellence by Henry Phipps in 1893, at the height of Pittsburgh’s industrial prowess, Phipps Conservatory has evolved from the nation’s first teaching conservatory to a distinguished eco-champion among America’s 500 public gardens and an exhibit space ranked among the nation’s top garden-conservatory experiences.

We are pleased to offer our support to Phipps Conservatory and Botanical Gardens for yet another groundbreaking project in our community.

Sincerely yours,

Georgia Petropoulos  
Executive Director



October 13, 2020

Rob Indovina, Chair  
Art Commission  
Attn: Yesica Guerra, Public Art and Civic Design Manager  
**DEPARTMENT OF CITY PLANNING**  
200 Ross Street, Fourth Floor  
Pittsburgh, PA 15219

**RE: Phipps Conservatory and Botanical Gardens – Production Greenhouse Rooftop Solar Project**

Dear Mr. Indovina,

It is with pleasure that I confirm my support of the current project that is being reviewed by the Art Commission for Phipps Conservatory and Botanical Gardens. This important 27.72 kW solar energy installation project on the administration rooftop section of the Conservatory's renowned production greenhouses joins other campus built and natural environments as functioning building components and teaching demonstration tools for further developing a plant-based science and humanities approach to environmental ways of knowing and living that lead to well-being of people, place and planet.

The proposed project will join other solar energy generation at the Conservatory for a total system of 234.81 kW. Prior to the Production Greenhouse system coming online, Phipps has produced some 1,304,480 kWh of on-site renewable energy to date. The average Pennsylvania household uses 857 kWh per month.

For Pittsburgh's garden-conservatory, the past is prologue to a future as ingenious as the region it serves. Built as a repository of horticultural excellence by Henry Phipps in 1893, at the height of Pittsburgh's industrial prowess, Phipps Conservatory has evolved from the nation's first teaching conservatory to a distinguished eco-champion among America's 500 public gardens and an exhibit space ranked among the nation's top garden-conservatory experiences.

For 127 years, Phipps has persevered through calamities to continue to be a "source of instruction and pleasure" as intended by founder Henry Phipps, who was inspired in his philanthropy by lifelong friend and business partner Andrew Carnegie. Their childhood growing up together among Pittsburgh's working poor had a profound effect on their innovative charitable investments in museums and other institutions that shape a community through an enlightened populace. Phipps is a special museum – a growing, lifelong learning experience that combines pacesetting innovation, technology and learning with award-winning operations and programming.

I am pleased to offer my support to such an important project. This effort would help further sustainability and design priorities we value in the Pittsburgh Innovation District. Should you require further information, please feel free to call upon me.

Sincerely yours,

*Sean C. Luther*

Sean C. Luther, InnovatePGH Executive Director

# CITY OF PITTSBURGH

## DEPARTMENT OF PUBLIC WORKS

**TO:** Sarah Minnaert, Public Art and Civic Design Manager   **DEPT:** City Planning  
**FROM:** Michael Gable,  ERP, Director   **DEPT:** Public Works  
**DATE:** September 30, 2020  
**RE:** Letter of Support – Phipps Conservatory-Greenhouse Rooftop Solar Project

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This memo serves as a Letter of Support for the Phipps Conservatory project as noted above. The project continues to build on and support the Living Building Challenge that Phipps has successfully achieved through the years. Phipps is a City owned asset in Schenley Park that has been remarkably managed by others since 1993. Their work continues to improve on its Green Infrastructure and Sustainability while providing a world class facility to the residents of and visitors to the City of Pittsburgh. The Department of Public Works is proud to support this project.

**C:** Anthony Cavilline, Arts, Culture and History Specialist/City Planning