Art Commission Application Form

You must submit the following along with this form as a single PDF.

- Individual or organizational statement (250 word max)
- Letter of intent that includes history of project and its impact on the community (500 word max)
- Visual materials (See Art Commission Guidelines for requirement)
- Budget describing cost of materials, artist fees, maintenance, installation, etc.
- Two letters of support from project partners or neighborhood organizations
- One letter of support from the Department of Public Works or Department of Mobility & Infrastructure

Notes:

- You may be required to hold a Development Activities Meeting with the applicable Registered Community Organization prior to Hearing. For more information, visit pittsburghpa.gov/dcp/rco.
- 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.
- Application format is a digital copy of full application form, required documents, and the presentation to be projected at the Hearing as one single PDF. Send all documents to pacd@pittsburghpa.gov.

Project Information

Type of Project:  
- [ ] Conceptual Review  
- [X] Conceptual/Final Review  
- [ ] Final Review  
- [ ] Courtesy Review

Has this project been come before Art Commission before?

- [X] No  
- [ ] Yes, when: ______________

Duration of project:  From __/__/2021 to __/__/2023

Permanent?  
- [X] No  
- [ ] Yes
Project Location

Address: Riverwalk in Allegheny Riverfront Park between the Fort Duquesne Bridge and the 9th Street Bridge

Cross Streets or other relevant information: Riverfront area on the south bank of the Allegheny between the Fort Duquesne Bridge and 9th Street Bridge

Neighborhood: Downtown

Applicant Information

Name: Riverlife

Mailing Address: 707 Grant Street #3500

City: Pittsburgh State: PA Zip: 15219

Phone: 412-258-6636 x 107 Email: Anna@riverlifepgh.org

Relationship or Role in Project: Project partner with the Pittsburgh Cultural Trust

Co-Applicant (optional)

Name: 

Mailing Address: 

City: State: Zip: 

Phone: Email: 

Relationship or Role in Project: 

Presenter at Hearing if different than applicant: Anna Leisher, Riverlife; David Seiter, Future Green Studio (designer)
Organizational Statement

Since 1999, Riverlife has worked to create, activate, and celebrate Pittsburgh's riverfronts. A nonprofit leader in building a community vision for Pittsburgh's riverfronts, Riverlife has overseen a $132 million investment in the city's waterfront transformation, catalyzing $4.2 billion in related economic development, arts and culture, and ecological sustainability on or adjacent to the city's riverbanks. Our work is centered on the belief that the riverfronts belong to everyone, and world-class riverfront experiences can be created for all using community-driven, equitable development and high-quality design.

Riverlife led or advanced strategic and significant capital projects in South Shore Riverfront Park, the Mon Wharf Landing, Point State Park, Allegheny Landing, the Mon Wharf Switchback and Grant Street Crossing. We also helped lead policy development including City Planning's initiative to update “RIV” zoning for the 32 miles of riverfront.

Riverlife's mission also aims to connect people through smaller-scale and temporary interventions. Riverlife, in partnership with The Pittsburgh Cultural Trust, is working to create Artwalk on the Allegheny, to install immersive public art installations along two miles of the Allegheny River from Point State Park through the Strip District where art will activate the riverfront.

“Invisible Ecologies”, a project designed by Future Green Studios, is one of the initial installations of this vision. The design includes two clusters of birdhouses to be installed in the greenspace between the riverwalk and the 10th Street Bypass between the Fort Duquesne Bridge and the Roberto Clemente Bridges on the southern bank of the Allegheny River.
March 2, 2021

Sarah Minnaert
Public Art & Civic Design Manager
City of Pittsburgh
Department of City Planning
200 Ross Street, 4th Floor
Pittsburgh, PA 15219

Dear Sarah,

Riverlife respectfully requests Pittsburgh Art Commission review for our latest riverfront activation project in partnership with The Pittsburgh Cultural Trust.

We request that “Invisible Ecologies – Activation in Allegheny Riverfront Park” be included on the agenda for the March 2021 meeting of the Art Commission. Riverlife staff will present the project to the commissioners along with a representative from Future Green Studio, the design team chosen to do the installation through a community process. The project is a public art installation proposed for the riverwalk in Allegheny Riverfront Park between the Fort Duquesne and the 6th Street Bridges on property owned by the City of Pittsburgh.

The “Invisible Ecologies” project designer, Future Green Studio, was selected through a Request for Qualification process, which received 52 international submissions from artists and design teams. A local jury with expertise in public art, design, and open space activation reviewed the submissions and selected Future Green Studio from Brooklyn, NY as the winning team.

Future Green Studio previously developed a concept called “After the Storm,” for installation under the Fort Duquesne Bridge. The original design, which was presented and approved by the Art Commission in February 2020, included a wheat paste mural, benches, and birdhouses.

After the previous proposal was approved by the Art Commission last year, the COVID-19 pandemic created a delay in project construction. During the pause in construction, a Black Lives Matter mural was created on the site by a group of Pittsburgh muralists in support of the movement for Black lives. Thereafter, with support from our public partners, Riverlife, in partnership with Office of Public Art (OPA), established an artist residency and community engagement plan in collaboration with artist Camerin Nesbit. Nesbit had been instrumental in organizing other Black artists to do an initial rework of the mural in summer 2020. In late 2020, Nesbit began efforts to replan and rework the mural site. The community-informed planning process for the future of that site will commence in 2021.

Riverlife and Future Green Studios have worked to design “Invisible Ecologies,” an adapted proposal for an artful birdhouse installation, inspired by climate change, to be installed in a neighboring site. Invisible Ecologies is designed to complement programming associated with the Mural.

The project partners hope to open “Invisible Ecologies” on June 4, 2021, the first day of this year’s Three Rivers Arts Festival. The installation will connect site users with Western Pennsylvania wildlife, while demonstrating how local volunteer bird species interact with and, hopefully, take shelter in the
built environment. We feel that it will enhance a critical public open space and make it more welcoming for everyone.

We are seeking Conceptual/Final Review for “Invisible Ecologies.” Thank you for the opportunity to present this design to the commissioners.

Sincerely,

Anna Withrow Leisher
Planning and Project Manager
Invisible Ecologies seeks to reveal the latent potential for human, plant and wildlife interaction within our constructed urban environment. Like a plant emerging through a concrete sidewalk, so too can wildlife adapt to live among our harshest urban conditions.

Building on works of artists and designers in Allegheny Riverfront Park like Ann Hamilton and Michael Van Valkenburgh, this sculpture repositions materials of our urban environment like concrete, graffiti and salvaged objects aggregated on a series of steel pedestals in a cloud-like form reminiscent of a flock of birds. These assemblages are not just relics of our current anthropogenic condition, but are transformed as birdhouses. Each “house” is carefully designed with a ventilated wooden interior to play host to a variety of native river-edge bird species; like eastern bluebird, house wrens, purple martins, tree swallows, and black-capped chickadees, amongst others.

This installation is an attempt at soft alchemy where the carbon intensive materials that we’ve used to limit and destroy natural ecological systems can be transformed into objects of possibility and hope. These forward-thinking trajectories offer a sense of intimate immensity that connects person to nature, site to region, and urban to wild.
Cluster: #1 - 20 units
Height: 3'-0'' to 12'-0''
Unit Dimension: S-M-L (6''/12''/18'')
MATERIALS

CAVITY FOR NESTING/SEEDING

BIRD FLOCK

AGGREGATED CONCRETE ASSEMBLAGES

CLOUD FORM

LIGHT STRATEGY AT BIRDHOUSES

PEDESTAL

BIRDHOUSE ON STILTS

LIVING SCULPTURE

CASTING CONCRETE

CREATING HABITAT FOR WILDLIFE
Cluster #1 - 20 units
Cluster #2 - 8 units
Cluster #3 - 12 units
Total: 40 units
ON-SITE DESIGN LEGACY

- Ann Hamilton and Michael Mercil

- Kim Beck

- Micheal van Valkenburgh Associates Inc.
DETRITUS REBORN

SECTIONS OF THE ANTHROPOCENE 2018
- Future Green Studio

PAINTED TREES AT NOWADAYS 2015
- Future Green Studio
PSYCHYLUSTRO 2014
- Katharina Grosse

RUINS 2013
- Eva Rothschild

Many Small Cubes 2014
- Sou Fujimoto
Aggregated blocks exploded into "cloud-like" formation.

Spray painted.

Jersey Blocks

Then

Broken Apart.

Shell tube inserts - Wood frame voids.
TYPOLOGY

PERCHING (lighting) STATION
6-12ft

NESTING STATION
4-12ft

WATERING STATION
3-6ft
**Common Urban Birds**

Bird Species adaptive to open and complex urban space, attracted by food sources from insects and plants.

**Beneficial Host Plants**

Plants offer beneficial fruits and seeds for wildlife, along with foraging and nesting materials.

**Bird-Feeding Insects**

Insects are essential dietary components for terrestrial bird species. Both protein and fat make up the feeding source especially in nesting season.

**Pollinator Insects**

Native plants attract pollinators to increase the biodiversity and resilience. Many caterpillars have obligatory relationships with plants, requiring specialized hosts.
**Nesting Box Placement**

<table>
<thead>
<tr>
<th>Minimum Spacing:</th>
<th>Facing:</th>
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<tbody>
<tr>
<td>6 ft</td>
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<tr>
<td>4 ft</td>
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<tr>
<td>300 feet</td>
<td>W/N</td>
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**Nesting Period**

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<tr>
<th>JAN</th>
<th>FEB</th>
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**Nest Box Height**

4.6 ft; min 300 ft spacing

**Nest Box Dimension**

1-1/2” entrance hole; 9” height, 5-1/2”X5-1/2” floor area

**Food Types**

- Berries: Sumac, Holly, Dogwood, Pokeweeds, Haskberries
- Fruits: Grapes, Cherries
- Insects: Moths, Termites, Mosquitoes, Grasshoppers, Crickets, Beetles, Ants, Spiders
- Worms: Mealworms, Snails, Grubs, Caterpillars, Mollusks, Insect Larvae
- BERRIES: Sumac, Holly, Dogwood, Pokeweeds, Haskberries
- FRUITS: Grapes, Cherries
- INSECTS: Moths, Termites, Mosquitoes, Grasshoppers, Crickets, Beetles, Ants, Spiders
- WORMS: Mealworms, Snails, Grubs, Caterpillars, Mollusks, Insect Larvae

**Habitat**

Meadows and openings surrounded by trees; Common along roads, field edges and other open areas with the proliferation of nest boxes

Feed by dropping to the ground/ perching on fruiting trees

**12”X12”X12” Exterior Box**

- Ventilation Hole
- Metal Tube
**BLACK-CAPPED CHICKADEE**

**Nest Box Height**

5'15 ft

**Nest Box Dimension**

1-1/8" Entrance Hole; 8" Height; 6"x6" floor area

**Food Types**

- BERRIES: Honeysuckle, Bayberry
- SEEDS: Sunflower, Hemlocks, Basswood, Goldenrod, Ragweed
- INSECTS: Moths, Termites, Mosquitoes, Grasshoppers, Crickets, Beetles, Ants, Spiders

**Habitat**

Chickadees are found in deciduous and mixed forests, open woods, parks, willow thickets, cottonwood groves, and disturbed areas.

**Nesting Period**

<table>
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</thead>
</table>

**Ventilation Hole**

12"x12"x12"

**Exterior Box**

**Metal Tube**

**Minimum Spacing:**

- 12 ft
- 5 ft

**Facing:**

650 ft

Away from prevailing wind
Nesting Box Placement

Minimum Spacing:

Facing:

35 feet

South or East

Nest Box Height

5-6 ft; min 35 ft spacing

Nest Box Dimension

1-3/8” entrance hole; 9” height, 5-1/2”X5-1/2” floor area

Food Types

• Bayberry
• Dragonflies
• Damselflies
• Flies
• Mayflies
• Caddisflies
• Beetles
• Ants
• Spiders

Worms
• Roundworms
• Mollusks
• Insect Larvae

Habitat

Open habitats, usually adjacent to water; Nest in artificial nest boxes as well as tree cavities. Gather in large flocks to molt and migrate

BIRDHOUSE STUDY - TYPE 3

Tree Swallow

Bluebird

competition
15'-20' apart

Nesting Period

<table>
<thead>
<tr>
<th>JAN</th>
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Nest Box Height

5-6 ft ; min 35 ft spacing

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Nest Box Dimension

1-3/8” entrance hole ; 9” height, 5-1/2”X5-1/2” floor area

Food Types

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1-3/8” entrance hole ; 9” height, 5-1/2”X5-1/2” floor area

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Habitat

Open habitats, usually adjacent to water; Nest in artificial nest boxes as well as tree cavities. Gather in large flocks to molt and migrate

BIRDHOUSE STUDY - TYPE 3

Tree Swallow

Bluebird

competition
15'-20' apart

Nest Box Height

5-6 ft ; min 35 ft spacing
House Wren

Nesting Box Placement

Minimum Spacing:

Facing:

100ft

Nest Box Height

5-10 ft

Nest Box Dimension

1-1/8’’ Entrance Hole; 8” Height; 5-1/2”x5-1/2” floor area

Food Types

- Mealworms
- Spiders
- Beetles
- Caterpillar
- Earwigs
- Daddy longlegs
- Flies
- Leafhoppers
- Springtails
- Worms
- Mealworms
- Snails
- Flies
- Leafhoppers
- Springtails

Habitat

Place nest boxes intended for other species at least 100’ away from wren boxes; more open habitat
**Nesting Box Placement**

- **Minimum Spacing:**
  - 12 ft
  - 10 ft

- **Facing:**
  - N
  - E
  - S
  - W

**Nesting Period**

- JAN
- FEB
- MAR
- APR
- MAY
- JUN
- JUL
- AUG
- SEP
- OCT
- NOV
- DEC

**Nest Box Height**

- 12-20 ft; min 15 ft spacing for two systems

**Nest Box Dimension**

- 2-1/8” Entrance Hole; 12” Height; 6”x6” floor area

**Food Types**

- Wasps
- Winged ants
- Bees
- True bugs
- Flies
- Beetles
- Moths
- Butterflies
- Dragonflies
- Spiders
- Damselflies
- Leafhoppers
- Grasshoppers
- Crickets
- Caddisflies
- Termites
- Mayflies

**Habitat**

- Open spots away from trees, min 40’ from trees; Clear of brush and shrubs; Pine wood chips inside when opening the nest box

**STARLING HOUSE SPARROW**

**INSECTS**

- Wasps
- Winged ants
- Bees
- True bugs
- Flies
- Beetles
- Moths
- Butterflies
- Dragonflies
- Spiders
- Damselflies
- Leafhoppers
- Grasshoppers
- Crickets
- Caddisflies
- Termites
- Mayflies

**Ventilation Hole**

- 18”X18’’X18’’

**Exterior Box**

**Metal Tube**
BIRDHOUSE DETAILS

- 1/2” Diameter Ventilation Hole
- Cypress Wood Box
- Entrance Hole Diameter size dependent on bird type
- Drainage Hole
- Layered Materials (Concrete, Tinted Concrete, Foam, Timber, Acrylic Paint, Cardboard Boxes, Filter Fabric, etc.)
- Irregular Opening
- Painted Pattern
Foundation Assumption:
18'' dia, 4ft depth
2"x2"x2" THK. STEEL POST, WELDED TO THE PLATE, TO BE VERIFIED BY STRUCTURAL.

2"X2" STEEL TUBE, WELDED AS LATERAL CONNECTION.

3/8" THK STEEL PLATE

3/8" THREADED ROD W/ EPOXY.

3/8" STEEL ROD EMBEDDED INTO GFRC

3/8" THK STEEL PLATE

2"X2"x3" THK. STEEL POST, WELDED TO THE PLATE, TO BE VERIFIED BY STRUCTURAL.
Ground Screw Footing
Lateral Support

Ground Screw Footing

03.03.2021
3"x3" x 3/16" thick steel post bolted to steel sleeve with neoprene gasket.

2x2 steel tube welded as lateral connection.

5/16" thick steel plate.

Ground screw.

1/4" steel rod embedded into GFRC cube.

1/8" thick steel plate.

2"x2"x3/16" thick steel post, welded to the plate, to be verified by structural.
**Vaccinium angustifolium**
LOWBUSH BLUEBERRY

**Rhus copallinum**
WINGED SUMAC

**Rosa carolina**
CAROLINA ROSE

**Clethra alnifolia**
SWEET PEPPER BUSH

**Physocarpus opulifolius 'Diablo'**
NINEBARK

**Vaccinium angustifolium**
LOWBUSH BLUEBERRY

**Rhus copallinum**
WINGED SUMAC

**Rosa carolina**
CAROLINA ROSE

**Clethra alnifolia**
SWEET PEPPER BUSH

**Physocarpus opulifolius 'Diablo'**
NINEBARK

**Asclepias tuberosa**
BUTTERFLY WEED

**Symphyotrichum lateriflorum**
CALICO ASTER

**Heliopsis helianthoides**
FALSE SUNFLOWER

**Pycnanthemum tenuifolium**
SLENDER MOUNTAIN MINT

**Symphyotrichum laeve**
SMOOTH BLUE ASTER

**Solidago nemoralis**
GREY GOLDENROD

**Chamaecrista fasciculata**
PARTRIDGE PEA (ANNUAL - TO NATURALIZE)

**Symphyotrichum lateriflorum**
CALICO ASTER

**Pycnanthemum tenuifolium**
SLENDER MOUNTAIN MINT

**Erigeron pulchellus**
ROBIN'S PLANTAIN

**Oenothera fruitcosa**
SUNDROPS

**Symphyotrichum laeve**
SMOOTH BLUE ASTER

**Eragrostis spectabilis**
PURPLE LOVEGRASS

**Solidago nemoralis**
GREY GOLDENROD

**Chamaecrista fasciculata**
PARTRIDGE PEA (ANNUAL - TO NATURALIZE)

**Symphyotrichum laeve**
SMOOTH BLUE ASTER

**Eragrostis spectabilis**
PURPLE LOVEGRASS

**Solidago nemoralis**
GREY GOLDENROD

**Chamaecrista fasciculata**
PARTRIDGE PEA (ANNUAL - TO NATURALIZE)

**Symphyotrichum laeve**
SMOOTH BLUE ASTER
## Project Budget

### Project: Allegheny Riverfront

Pittsburgh, PA

### Company Info:

**Future Green Studio**

18 Bay Street
Brooklyn, NY 11231
Office: 718 855.8995

### Client:

**The Pittsburgh Cultural Trust**

Riverlife

3/3/2021

Salesperson: David Seiter
david@futuregreenstudio.com
license # 1346684

### Proposal - Preliminary Estimate for Invisible Ecologies Fabrication & Installation

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<tr>
<th>Division/Sub-category</th>
<th>Description</th>
<th>Unit</th>
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<td>4 Invisible Ecologies De-Installation</td>
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<td>$7,500.00</td>
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<tr>
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**HARD COST SUBTOTAL**

$90,500.00

### B. Soft Costs

<table>
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<th>Cost</th>
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<tbody>
<tr>
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<td>7 Structural Engineering Fee</td>
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<tr>
<td>8 Maintenance</td>
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**SOFT COST SUBTOTAL**

$24,500.00

**PROJECT TOTAL**

$115,000.00