What are your sustainability goals for this project?

List your design team (architect, mechanical engineer, structural engineer, etc.):

Yes	No	Not sure, would like more information
		What strategies will the project employ to decrease stormwater runoff?
GOAL:		<ul> <li>Pervious pavement solutions in parking areas and on walkways.</li> <li>Capturing and infiltrating runoff on-site, using solution such as:         <ul> <li>Rain gardens</li> <li>Rain barrels</li> <li>Vegetate roofs</li> <li>Bioswales</li> <li>Cisterns</li> </ul> </li> </ul>
SITE DESIGN		Other Other Other (please specify): Resources: Pennsylvania Water and Sewer Authority (PWSA), Stormworks What strategies will the project employ to decrease heat island effect?
		Solar panels as shade structures
		<ul> <li>Hardscape materials with a solar reflective index (SRI) of at least 29</li> <li>Shading parking areas</li> <li>White roof</li> </ul>
		Vegetated roof       Other (please specify):
		Resources: Tree Pittsburgh, Cool Roof Rating Council
ROJECT NA	ME: _	

Submittal Date: Final Sustainable Plan Submittal Date:





# What strategies will the project employ to minimize environmental impacts to the site?

Protect/restore habitat

Existing tree protection plan

Erosion and sedimentation control plan

Dust control plan

Construction waste management plan

Construction indoor air quality management plan

Other (please specify): \_\_\_\_\_

Resources: 2003 EPA Construction General Permit

# What strategies will the project employ that minimize parking demand and encourage alternative modes of transportation?

GOAL: encourage use of alternative transportation	
	B

Number of parking spaces does not exceed minimum number of parking spaces as required by code.

Preferred parking for low-emitting and fuel-efficient vehicles

Preferred parking for carpools

Alternative-fuel fueling stations

Secure bicycle racks and storage

Covered Storage facilities for securing bicycles

Shower and changing facilities in the building

A Pittsburgh Bike Share station on project property

Covered transit infrastructure

Other (please specify):

Resources: Port Authority, Bike Pittsburgh, Pittsburgh Bike Share



What material strategies will the project employ to conserve natural
resources?

Conduct life cycle assessment





Construction products

Fixtures
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Furnishings

Other (please specify):

Resources: Green Building Alliance

### What strategies will the project employ to minimize energy use?



Resources: EPA Energy Star Program, US Green Building Council

# What strategies will the project employ to create a highly efficient building envelope that will reduce the energy required to heat and condition?

Insulation using m	naterials with	high R-values
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Insulation levels over local code requirements

Highly-efficient low-e windows

Other (please specify):

# In existing buildings:

Caulk around window frames to decrease air infiltration

Install low-e window film

Utilize interior storm windows

Other (please specify): \_\_\_\_\_

# How will the project ensure highly efficient building systems?

Commissioning, which systems?				
HVAC Domestic hot water Lighting &				
Refrigeration Renewable energy daylighting				
Building automation system				
Sub-metering: energy systems, water systems. Master metering and tenant level				
Other (please specify):				

Resources: Green Building Alliance, US Green Building Council



# What strategies will the project employ to ensure healthy indoor air quality?



Designate smoking areas not within 25 feet of building entries, outdoor air intakes or operable windows for natural ventilation

Building orientation for natural ventilation

Operable windows for natural ventilation

CO2 and Carbon Monoxide monitors

Low or no-emitting materials and finishes

Permanent entryway system to capture dirt

Indoor air quality assessment

Increased ventilation

Air Filters Merv 8 or better (Good)

Air Filters Merv 13 or better (Better)

HEPA (Best!)

Other (please specify):

Resources: Green Building Alliance

# GOAL: MINIMIZE CARBON FOOTPRINT

What strategies will the project employ to minimize its carbon footprint?

Purchase renewable energy

Generate on-site electricity using photovoltaics or wind

Utilize geothermal heating

Utilize locally-produced/sourced materials when appropriate



Other (please specify):

Resources: PA Power Switch, EnergySage.com, Construction Junction

# What strategies will the project use to minimize water use outside?

7 🗆	
SF	
	Pos

Native species landscape/xeriscaping

WaterSense certified irrigation controls

Irrigation using captured water runoff

Other (please specify): \_\_\_\_\_

Resources: EPA WaterSense Program

# Part 2: Sustainability Worksheet



 $C \cap \Delta$ 

# What strategies will the project use to minimize water use inside?

Increase number of cycles in water tower cooling system

- WaterSense labeled fixtures
- Low-flow shower heads
- Low-flow faucets
- Faucet aerators
- Low-flow toilets
- Dual-flush toilets
- Low-flow urinals (Good)
- Waterless urinals (Better!)
- Other (Please specify):

Resources: EPA WaterSense Program

# What strategies will the project employ to encourage occupant satisfaction d narticination in sustainability strategies?

	and participation in sustainability strategies:	
ENCOURAGE	Dedicated area for collection and storage of recycling	
OCCUPANT	Utilize a Green Lease	
SATISFACTION	Occupant thermal and lighting controls	
& PARTICIPATION	Publish tenant design and construction guidelines	
	Quality views	
	Acoustic performance	
	Regular tenant surveys	
	Other (please specify):	
	Resources: Pennsylvania Resource Council (PRC), Green Lease Library	

Thank you for completing the Sustainability Worksheet.

During Sustainability Meeting with Green Building Alliance the feasibility of this project to achieve a third party certification, will be evaluated, discussed and included the Sustainability Recommendations Letter.

### **Resources:**

#### Bike Pittsburgh, www. Bikepgh.org

Bike Pittsburgh is a non-profit organization that works on behalf of the Pittsburgh community to make the city safe, accessible and friendly to bicycle transportation.

#### Construction Junction, www. constructionjunction.org

Construction Junction is a non-profit organization that promotes conservation through the reuse of building materials.

#### Cool Roof Rating Council, www. coolroofs.org

The Cool Roof Rating Council was created in 1998 to develop accurate and credible methods of evaluating and labeling the solar reflectance and thermal emittance (radiative properties ) of roofing products and to disseminate the information to all interested parties.

#### Energy Sage, www.energysage.com

At no cost, EnergySage gets you quotes from multiple qualified installers, calculates the important financial metrics and makes it easy to compare your quotes so you get a great deal.

#### Energy Star, www.energystar.gov/products

ENERGY STAR products are independently vertified to save energy without sacrificing features or functionality. Loo for the ENERGY STAR label.

#### EPA WaterSense, www.epa.gov/watersense

The WaterSense program helps consumers make smart water choices that save money and maintain high environmental standards without compromising performance. Products and services that have earned the WaterSense label have been certified to be at least 20% more efficient without sacrificing performance.

#### Green Building Library, www.go-gba.org

GBA inspires the creation of healthy, high-performance places for everyone by providing leadership that connects knowledge, transformative ideas, and collaborative action.

#### Green Lease Library, www.greenleaselibrary.com

The Green Lease Library consolidates green leasing resources to provide a one-stop-shop for all audience types—from building owners and tenants to lawyers and building raters. The green lease library is organized by resource type, and resources are tagged by relevance to audience and building types.

#### PA Power Switch, www.papowerswitch.com

In Pennsylvania, you can choose the company that generates your electricity—also known as your electric supplier. This means that you have the power to switch to a competing supplier who can offer the lowest price or provide a specific service you want, such as green/renewable energy. Many electric generation suppliers choose to list their prices, along with terms and conditions, on PA Power Switch.

#### Pennsylvania Resource Council (PRC), www.prc.org

PRC is recognized as a state and national leader in waste reduction, recycling, litter and visual blight prevention, water shed awareness and composting.

#### Pittsburgh Bike Share, www.pittsburghbikeshare.org

Pittsburgh Bike Share owns and operates the Healthy Rude bike-sharing system to expand access to public transit through easy-to-use, affordable active transportation opportunities.

#### Pittsburgh Water & Sewer Authority, www.pgh2o.com

PWSA is proposing the use of green infrastructure and integrated watershed management to assist in the control of combined sewer overflows as the first step of a broader adaptive management plan. Their Green Infrasturcture Grant Program provides matching funds to property owners for implementation and monitoring of innovative green approaches to stormwater management.

#### Port Authority of Pittsburgh, www.portauthority.org

Port Authority of Allegheny County provides public transportation throughout Pittsburgh and Allegheny County.

#### StormWorks, www.stormworkspgh.com

By providing simple soltuions to area property owners to reduce stormwater damage to our water supply, StormWorks gives property owners and businesses the information they need to make positive, measurable changes in their neighborhoods.

#### Tree Pittsburgh www.treepittsburgh.org

Tree Pittsburgh's mission is to protect and restore Pittsburgh's urban forest through community tree planting and care, education and advocacy. They care for trees, plant trees and plan for the future of Pittsburgh's urban forest.