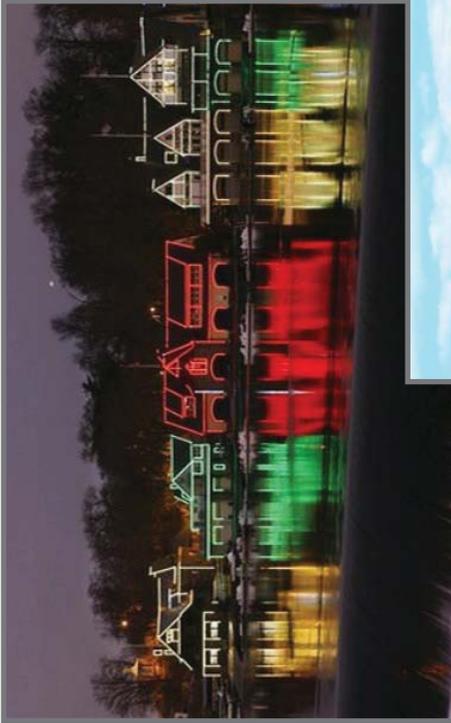
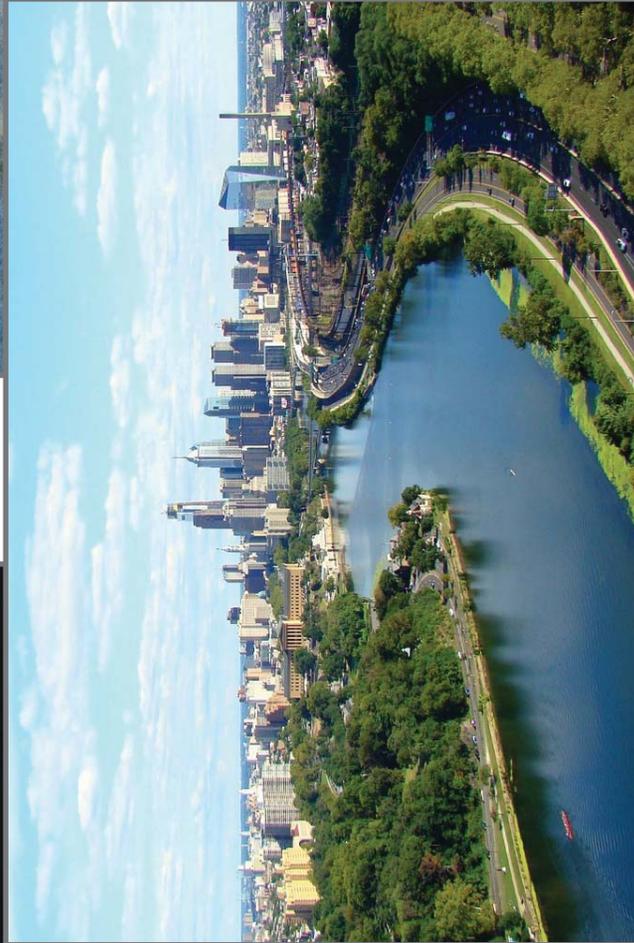
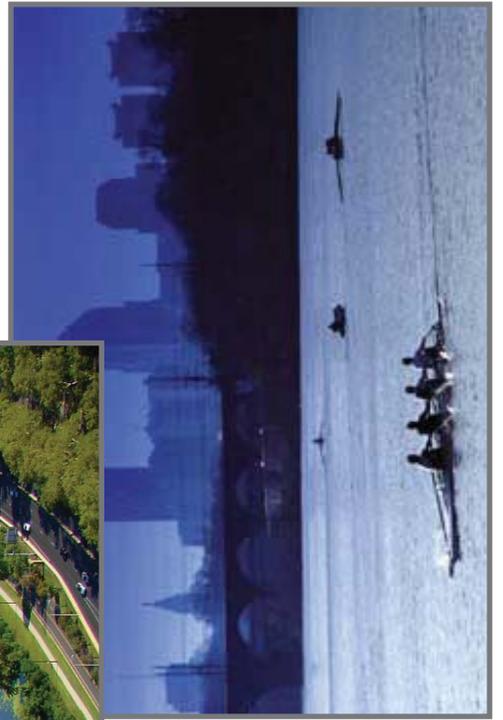
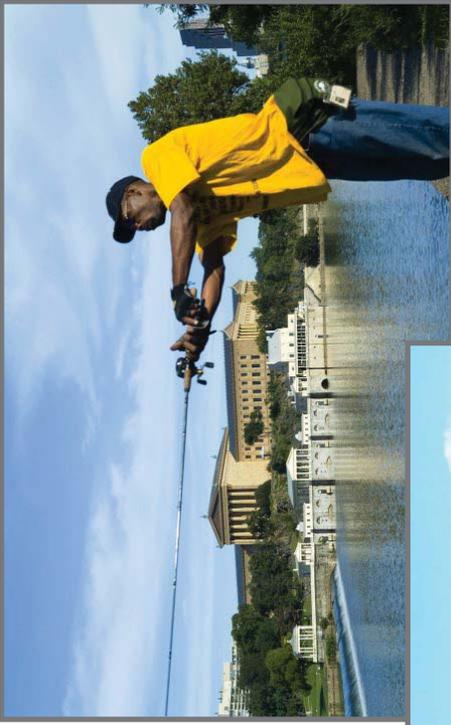


Water Screen Proposal
Schuylkill River Philadelphia





Water Screen
Schuylkill River, Philadelphia, PA

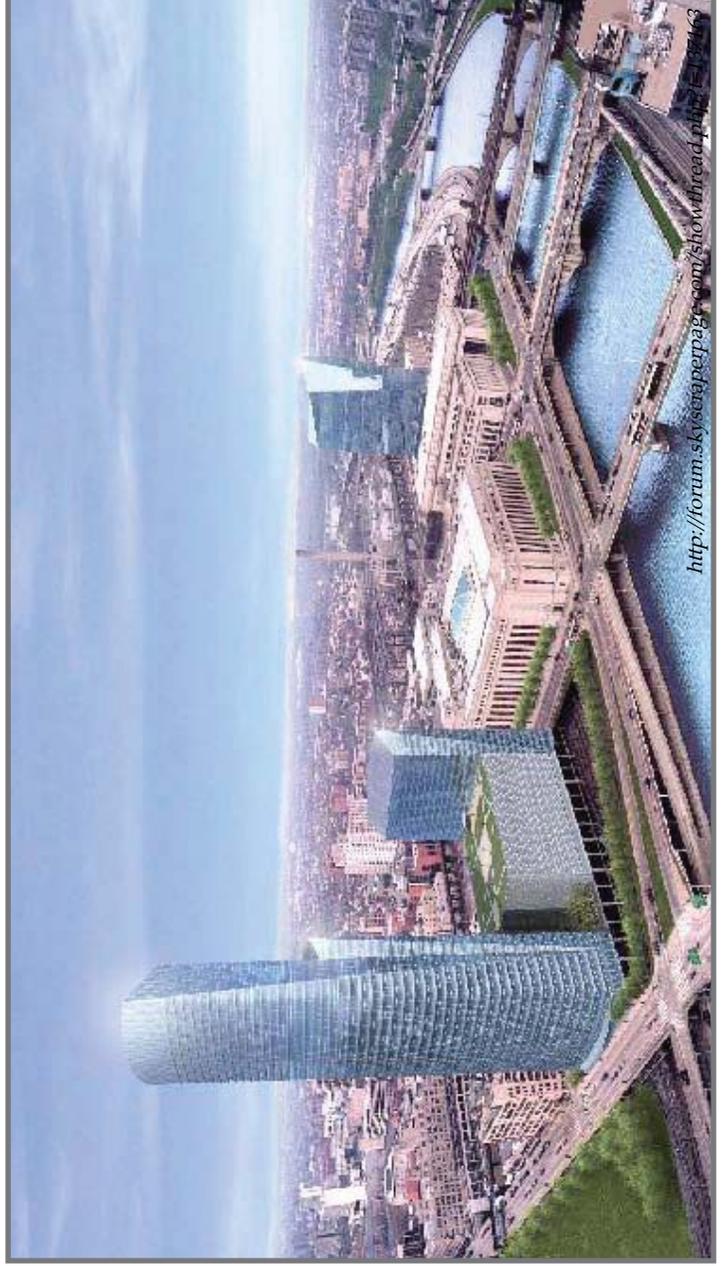
05.14.2009

The Schuylkill River in Center City Philadelphia

The Schuylkill River forms a natural Gateway which connects Center City, its business district and residential neighborhoods with West Philadelphia, and its universities, research institutions and hospitals. New developments line both banks: residential apartment buildings and condominiums on the east bank face Cira Center, the old Post Office building, the future Cira Center South and Penn Park on the west bank. The Schuylkill Expressway and 30th Street Station with its Amtrak and SEPTA train connections combine to create an intermodal transportation hub that connects to the entire Northeast Corridor. The river itself flows north from Center City past the Philadelphia Museum of Art, the Fairmount Water Works and Boat House Row.

The Schuylkill Banks

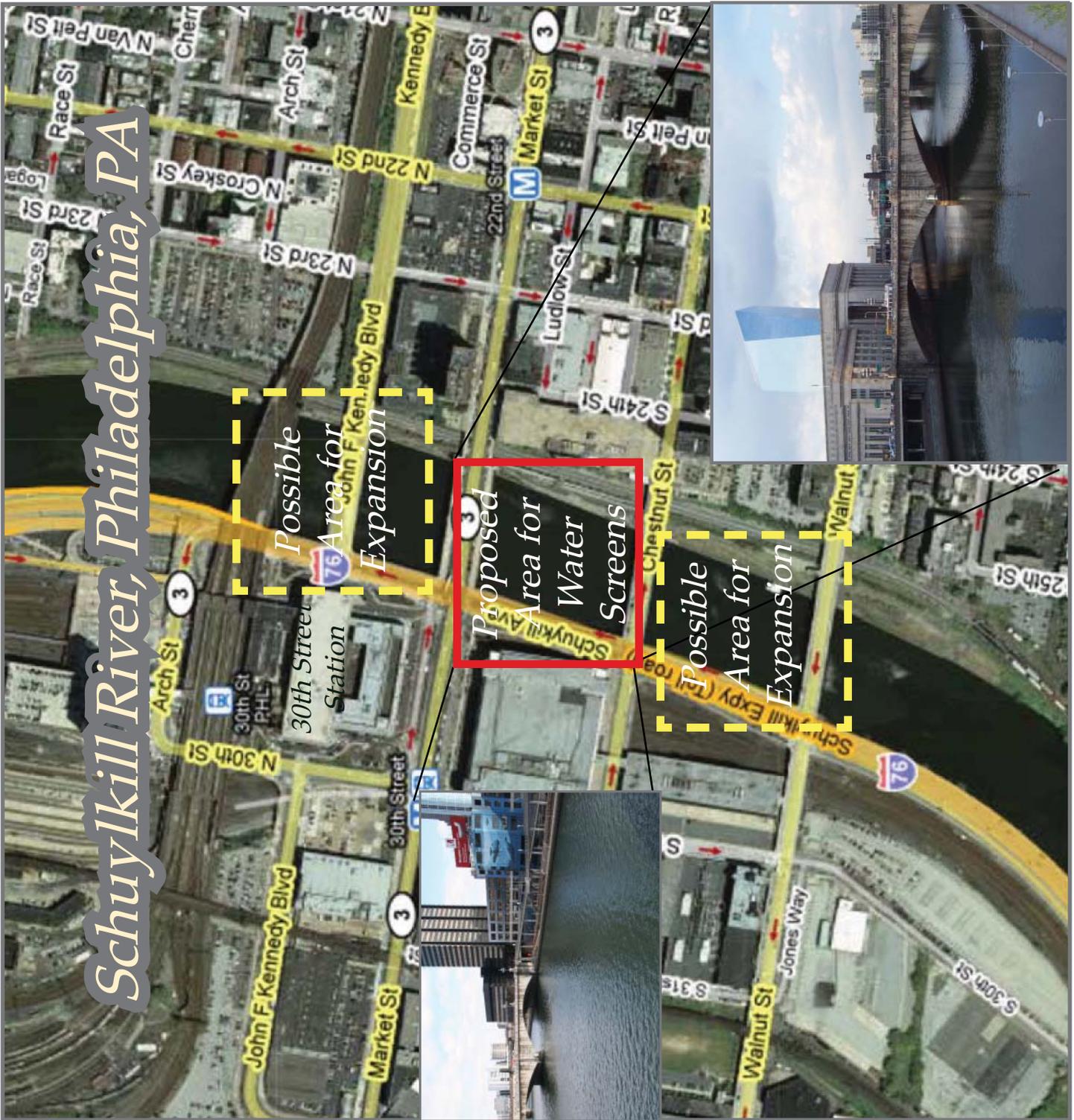
The Schuylkill Banks is a esplanade that connects the Schuylkill River Trail from the Art Museum to Locust Street. Future extensions further to the south are planned that will link to Bartram's Gardens and Cobb's Creek Park. Ever since it was first constructed, Schuylkill Banks has been heavily used. Today, it has over 14,000 users per week, including joggers, bicyclists, skateboarders, kayakers, fishermen and boaters. In the warmer months, people come out to picnic, read, or, in the evening, watch movies shown by the Schuylkill River Development Corporation



<http://forum.skyscraperpage.com/showthread.php?p=177163>



Schuylkill River, Philadelphia, PA



Water Screen Schuylkill River, Philadelphia, PA

05.14.2009

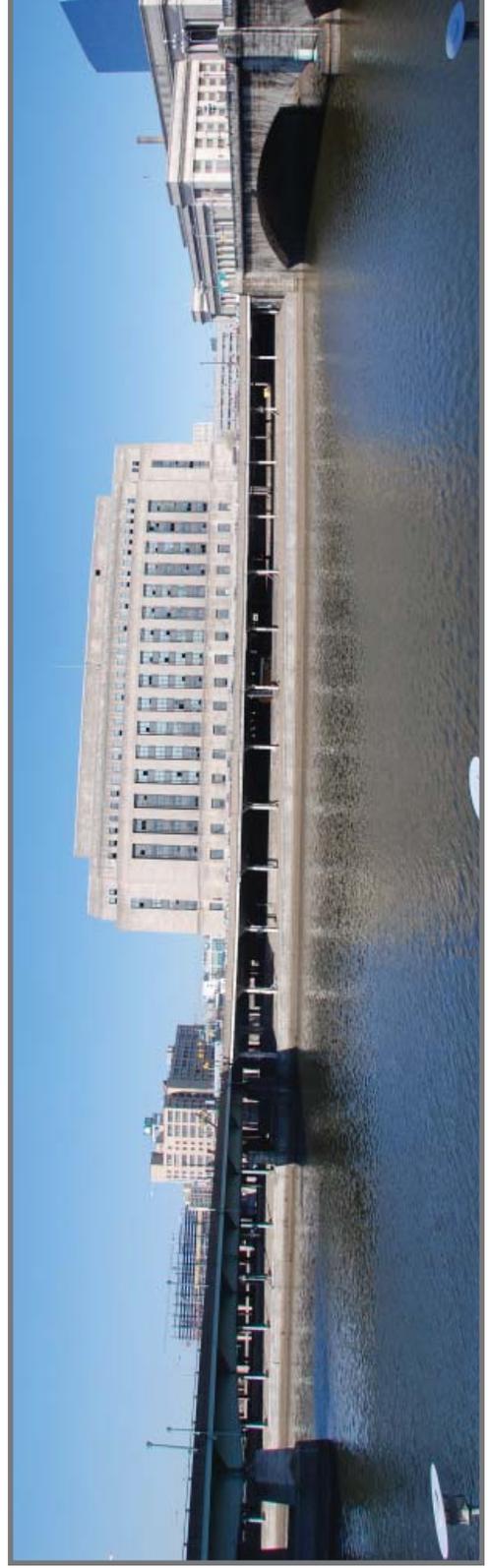
Proposed Area For Water Screens

Site Information

- The River is 300 feet wide in the selected area and offers wonderful cool breezes that blow down the valley between the banks.
- The River accommodates recreational users nearly every day and attracts many boaters, canoers, kayakers, and fishermen throughout the summer .
- The Park offers views of the developing skyline of University City and The Gate Way area around the 30th Street Station.
- Hundreds of people use the Park almost every day of the year with huge influxes of users in the summer months.
- This is the most centralized recreation park in the city, as it is surrounded by Center City, The Ben Franklin Parkway , South Street, University City, I-76; I-676, and Philadelphia's train network hub. There is no spot in Philadelphia that is more in the center of all comings, goings, and activities of Philadelphia.
- The area across from the Park is widely considered to be the hub of Philadelphia's future growth and is across from the location of planned projects Circa 2 and 3 which will be two of the city's most architecturally exciting and recognizable buildings. These new buildings will probably be lit in a similar way to the existing Circa Center building.

Site Problems

- Park users experience a tremendous amount of road noise; this is a major detractor from the overall experience.
- The park lacks a draw for gatherings of groups of people, in other words, a spectacle or clearly defined epicenter.
- Many people are unaware of the park due to its lack of an attractor, especially at nighttime.
- The overall limitations of the site because of its long narrow shape create problems for large scale gatherings with content, for example concerts, video shows, speeches, rallies, etc.





After

Before

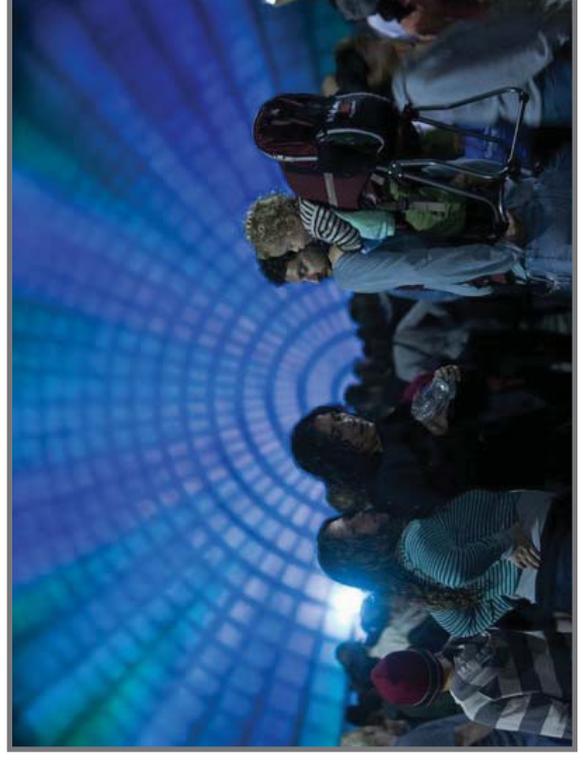
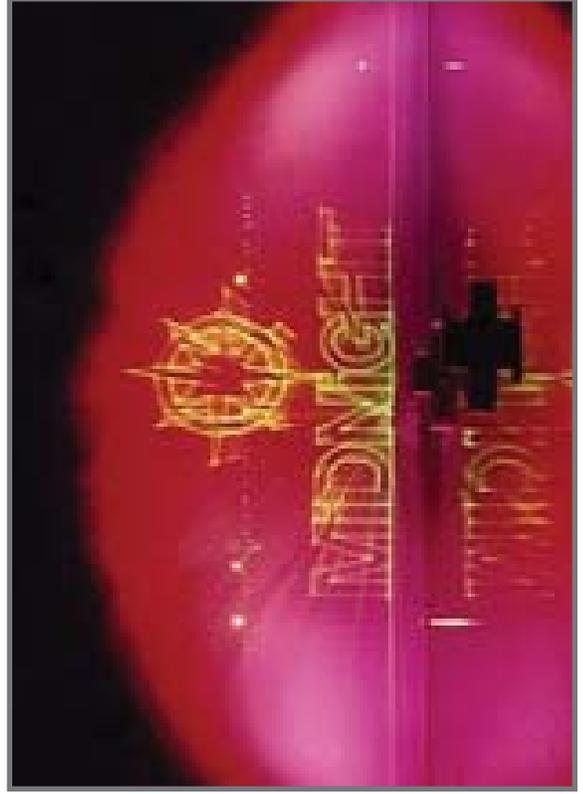
Water Screen

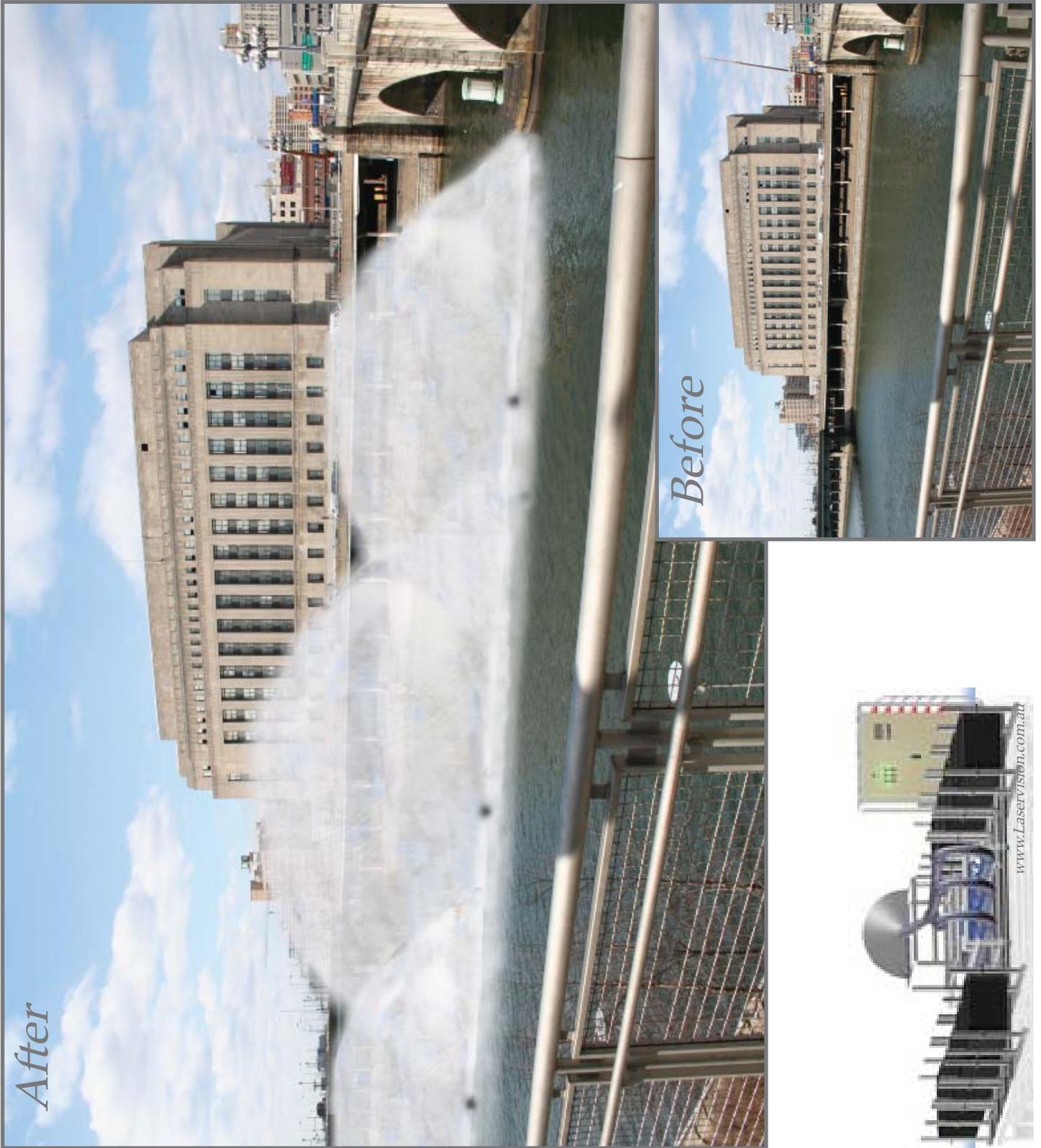
Schuylkill River, Philadelphia, PA

05.14.2009

The Answer

- We propose the creation of a Water Screen through the center of the Schuylkill River between the Market and Chestnut Street Bridges. This feature would provide resolutions to site problems mentioned above as well as become a signature central Iconic Art piece for the city as a whole.
- The water feature would run roughly 200 feet and reach a height of 60 feet and would become one of the most recognizable features of Philadelphia.
- The water would create an appealing background sound and would act as a noise barrier by masking the road noise from the Expressway
- The Screen will provide a spectacle and central location that will attract thousands of people to the park to enjoy and gather around the central feature.
- Illuminating the Water Screen will make it a huge nighttime attraction visible from both banks.
- The theme could be expanded up and down the river as the popularity of the park and its features grow.





After

Before

www.Laservision.com.au

Water Screen

Schuylkill River, Philadelphia, PA

05.14.2009

Water Screens

-The Schuylkill Water Screen consists of three underwater pumps along the center line of the river between the Market and Chestnut Street Bridges. Three nozzles force river water upward into flat fan-shaped water screens. Electrical power for the pumps is supplied by nearby photovoltaic panels.

The Water Screen will be viewable from most of the nearby and proposed buildings, as well as main highways and roads, creating excitement and a general sense of interest for the area.

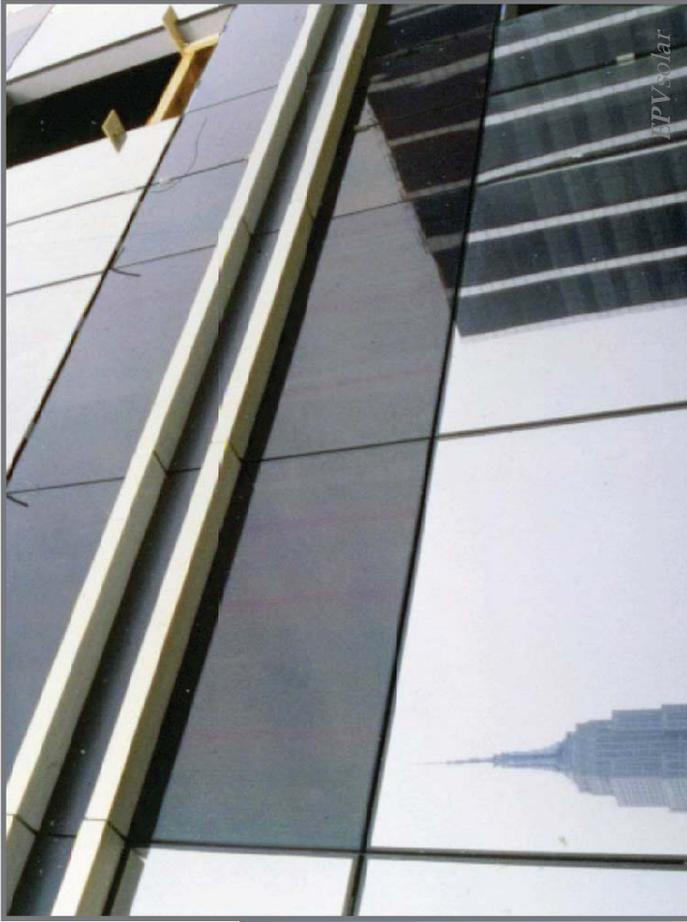
-Water features like fountains attract people and will greatly increase property values and rents in the area.

-The screens are safe to users of the river and would not create a hazard to people on land. Wind-borne spray could be automatically controlled by reducing the height of the fountain.

-OuterSpaces Inc. is extremely interested in seeing this project become a reality due to the incredible impact it would have on the lives of Philadelphians. They have the technical, esthetic, engineering, and practical knowledge to make sure the concept becomes a reality.

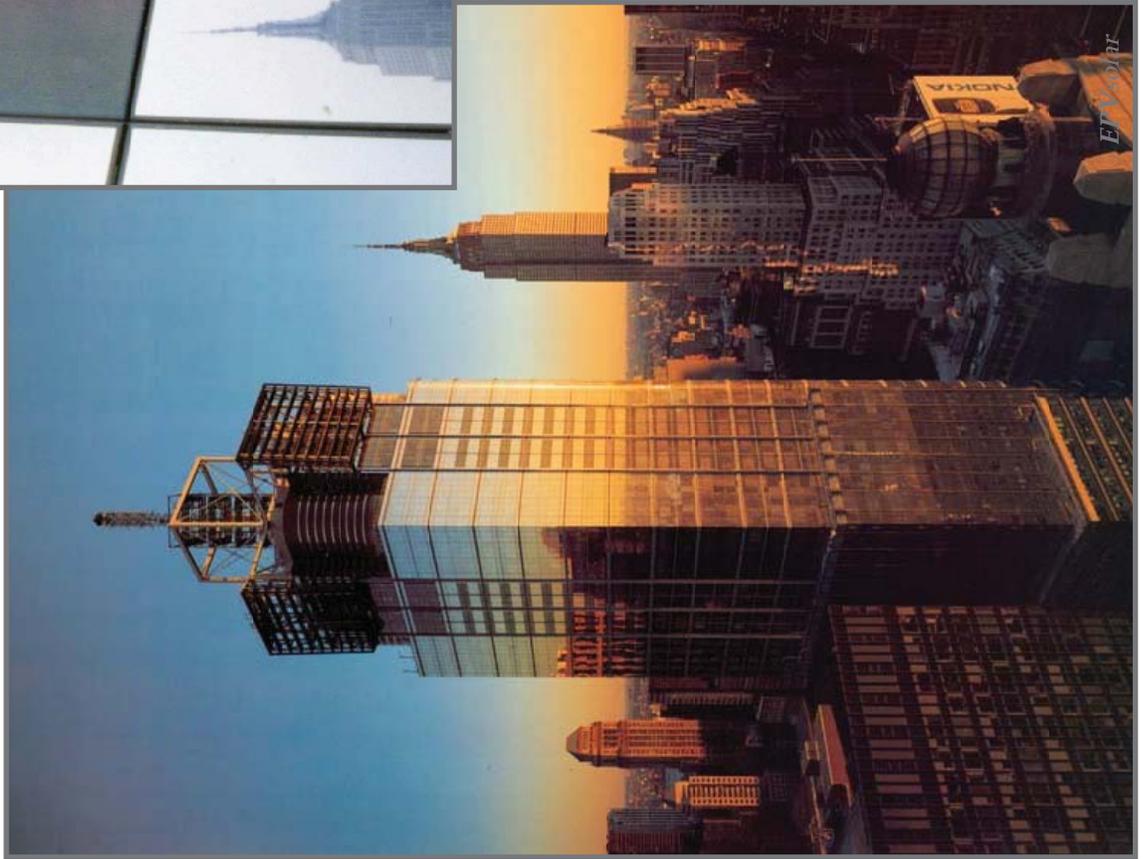
-The WaterScreen proposal has conceptual support from Senator Larry Farnese, Representative Babette Josephs, Councilman Darrell Clarke, the Schuylkill River Development Council (SRDC), the Schuylkill River Park Alliance and from the Governor's Policy Advisor on Arts and Culture.





EPV solar

*Curtain Wall
4 Times Square, NYC Curtain wall sections
Are intergrated into the facade of the build-
ing.*



EPV solar

Water Screen

Schuylkill River, Philadelphia, PA

05.14.2009

Powering the Screens with Solar Sound Barriers

- Array of photovoltaic panels will be mounted on I-76 roadway superstructure
- Green power generated will offset total power requirements of water screen pumps and lights
- Interpretive display will educate visitors about green energy



*SolarRail
"80 Laight Street apartment building in New York
which utilized the proprietary "Solarail" technology on
the balconies." (EPV)*





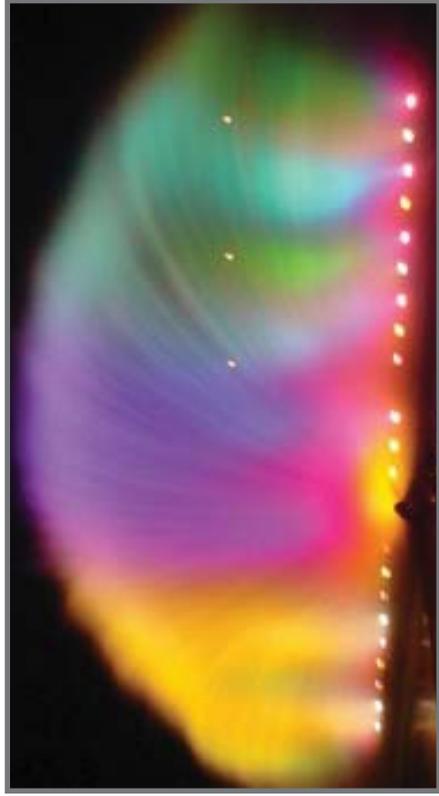
Water Screen
Schuylkill River, Philadelphia, PA

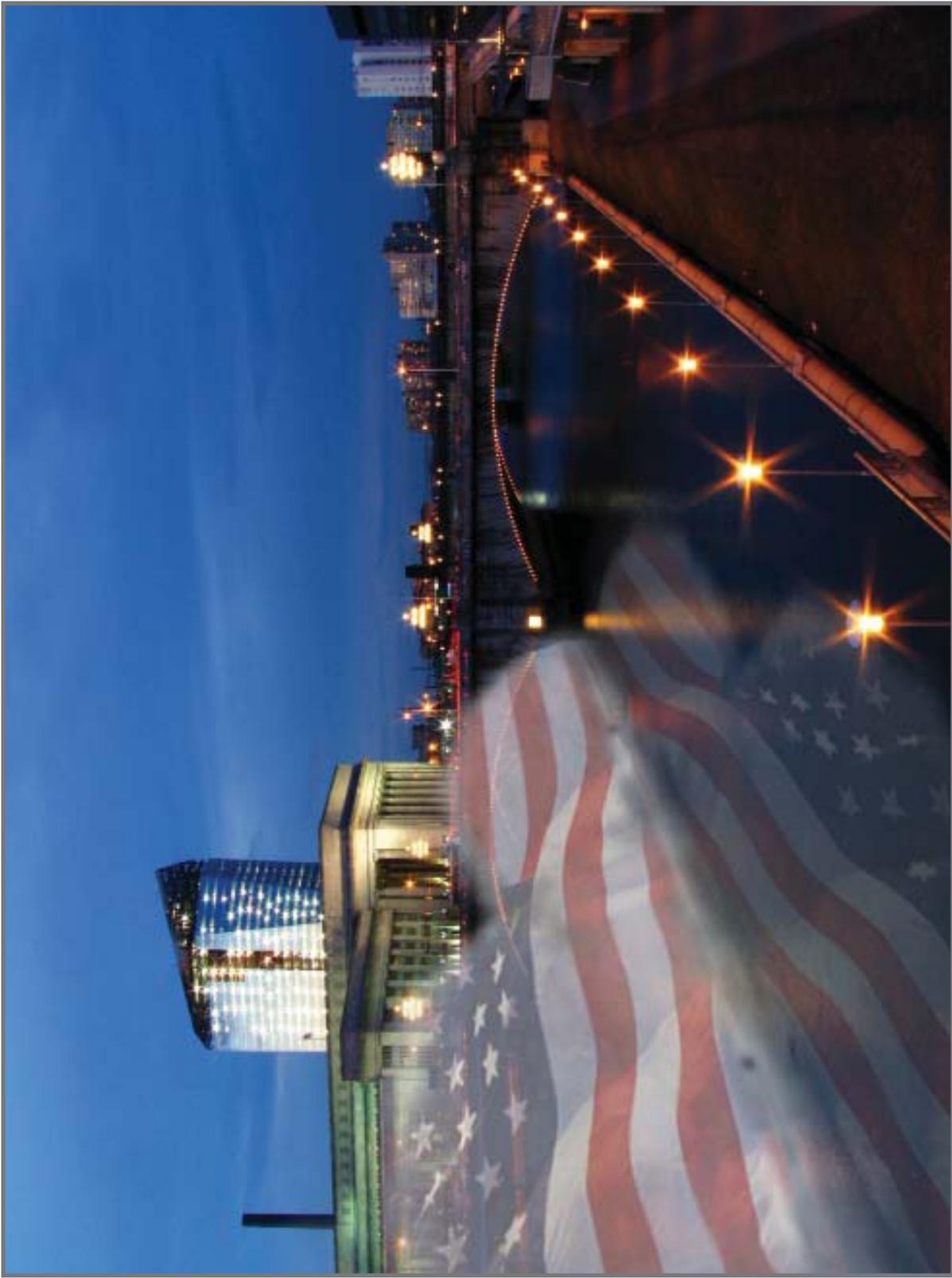
05.14.2009

Water Screens at Night

Water Screens come alive at night and offer a projection opportunity to display virtually any type of content. These screens were invented to display large multi-media shows with pictures, lasers, and holographic images, concert displays, and video presentations. The screen also offer the ability for local artists to create content that can be projected for the enjoyment of the hundreds of thousands of people moving in and around the city.

The screen can provide simple thematic displays of images such as fields of flowers, the stripes of an American flag blowing in the wind, bands of colors and soft ethereal images related to events of the city.





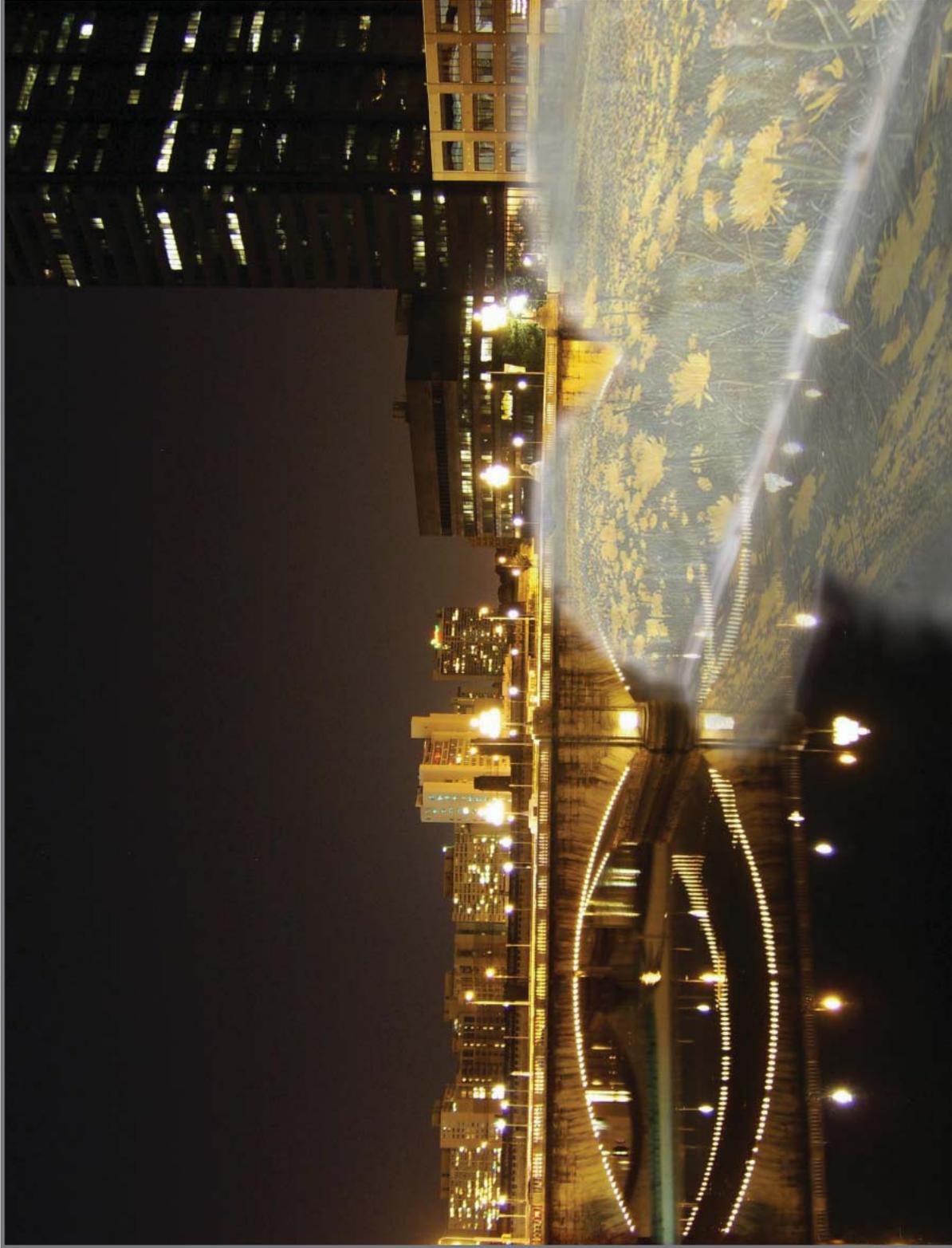
Water Screens at night:

On 4th of July weekend the Water Screens could be illuminated by an image of a flag blowing in the wind.

Water Screen

Schuylkill River, Philadelphia, PA

05.14.2009



Water Screens at night:

During the spring months a video of flowers blowing in the wind could be projected.

Project Participants



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Paoli Design Center

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