

SPIP

South Pier Improvement Project
Gowanus Generating Station - Astoria Generating Co
Informational Meeting #2 - April 3, 2008



Documents:
www.uspowergen.com
Public Repositories
Public Contact List
888-398-USPG (8774)



GOWANUS POWER PLAN

GOWANUS POWER PLAN



GOWANUS
POWER
PLAN

Brooklyn
Waterfront

Late
1700s



GOWANUS
POWER
PLAN

Brooklyn
Waterfront

Mid
1800s



GOWANUS
POWER
PLAN

Brooklyn
Waterfront

Late
1800s



GOWANUS
POWER
PLAN

Brooklyn
Waterfront

Early
1900s



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POWER
PLAN

Brooklyn
Waterfront



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POWER
PLAN

Brooklyn
Waterfront



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PLAN



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PLAN

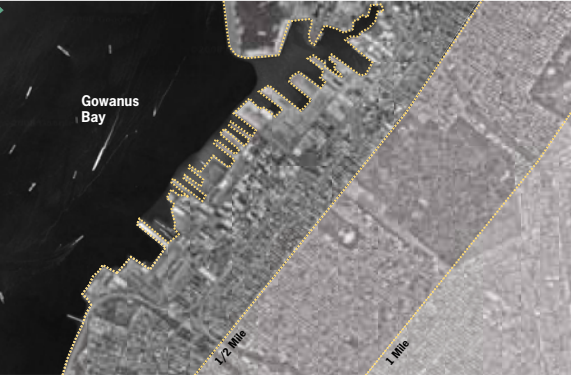


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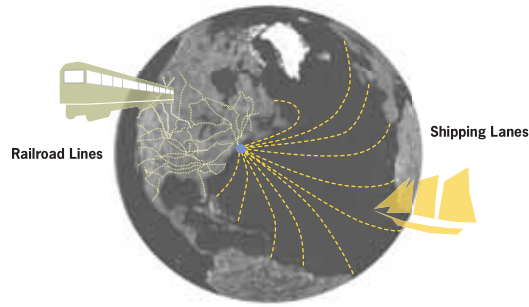
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Living +
Working
Waterfront



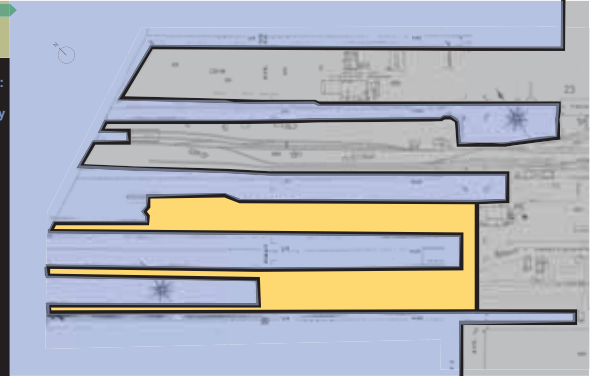
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Brooklyn
Terminal
Connection
to the
World



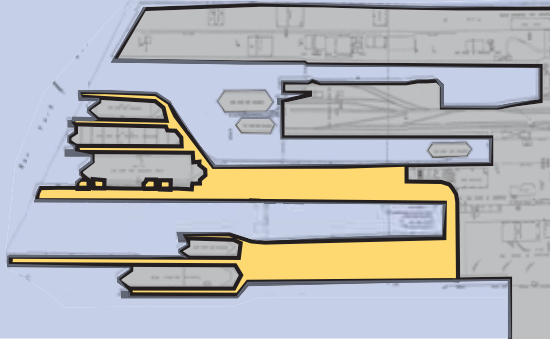
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Pier History:
1906
Brick Supply



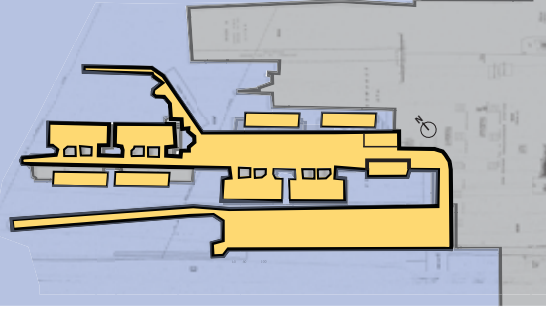
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Pier History:
1926
Steel Yard



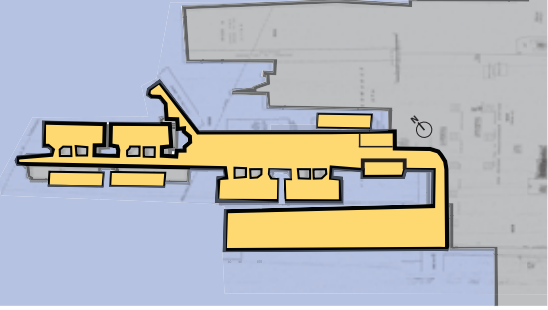
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Pier History:
1971
ConEd Plant



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Pier History:
2008
Peaker
Plant



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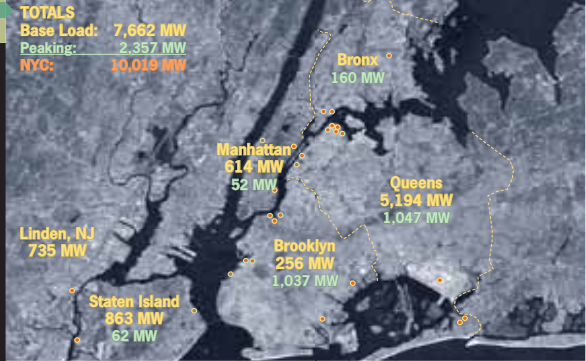
Pier Future:
2010
South Pier
Improvement

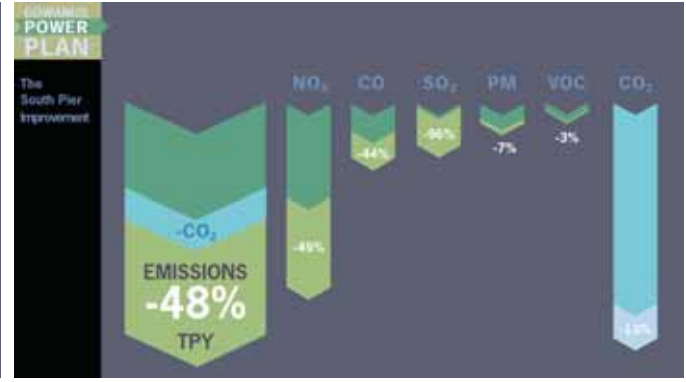


GOWANUS POWER PLAN

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POWER
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New York
Installed
Capacity





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Emissions Reduction Strategies

Emissions limits on new state of the art equipment via air permit issued by NYSDEC



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Emissions Reduction Strategies

Permit restrictions that guarantee reduction of emissions.

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Emissions Reduction Strategies

Technologies

Control

1. Selective Catalytic Reduction, SCR (NO_x)
2. Carbon Monoxide Catalyst (CO)
3. Water Injection (NO_x)

Ultra-Low Sulfur Diesel (SO_x/PM)

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Emissions Reduction Strategies

Ultra-Low Sulfur Diesel Fuel

99% Reduction of Sulfur Emissions

SO_x

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Why not remove Barges?

ON CALL

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Project Goals

- Provide more power more efficiently.
- Reduce emissions.
- Maximize use of green strategies.

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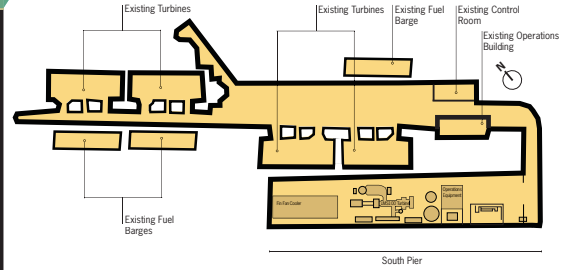
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Project Site



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Optimize The Site Layout



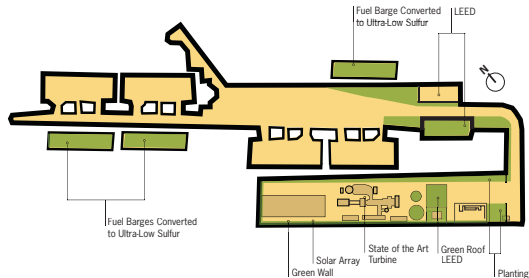
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New Connections
New Opportunities



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Green Strategies



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Strategies Explored for The South Pier Improvement Project



- Efficient Equipment
- Solar Array
- Biodiesel
- Ultra-Low Sulfur Diesel
- Fuel Cell
- Wind Turbine
- Hybrid Electric Vehicles
- Rainwater Collection
- Tidal Turbine
- Green Wall
- Emission Reduction
- Green Roof
- Geothermal
- Waste Heat Recovery
- Recycling Program
- Education Center
- LEED Certification
- Solar Hot Water
- Biophilic Design
- Plantings

POWER PLAN

The South Pier
Improvement

