

# The LAND ART GENERATOR INITIATIVE

\$20,000 in prize award money

Registration opens  
January 1, 2012

Competition closes  
July 1, 2012

RENEWABLE ENERGY CAN BE BEAUTIFUL

In partnership with New York City's Department of Parks & Recreation, the 2012 Land Art Generator Initiative design competition is being held for a site within Freshkills Park (the former Fresh Kills Landfill) in New York City.

LAGI 2012 is an ideas competition to design a site-specific public artwork that also functions as clean energy infrastructure for New York City.

**LAGI NYC**  
2012 powered by  
art

**DESIGN GUIDELINES**  
2012 Design Competition

[www.landartgenerator.org](http://www.landartgenerator.org)

# WHAT IS THE

The Land Art Generator Initiative (LAGI) was founded in 2009 with the strategic objective to advance the successful implementation of sustainable design solutions by integrating art and interdisciplinary creative processes into the conception of renewable energy infrastructure.

The project can be subdivided into four main areas of focus:

- 1) **events & design competition**
- 2) **education**
- 3) **outreach**
- 4) **the eventual construction of aesthetic renewable energy infrastructure**

## PROJECT DESCRIPTION

The main goal of the Land Art Generator Initiative (LAGI) is to provide a platform for the design of, and to facilitate the eventual construction of public art installations that have the added benefit of large scale clean energy generation. Each sculpture will continuously distribute clean energy into the electrical grid at a utility scale (equivalent to the demand of hundreds or thousands of homes).

In January of 2010, LAGI put out its first international call to artists, architects, scientists, and engineers to come up with both aesthetic and pragmatic solutions for the 21st century energy crisis. The 2010 LAGI design competition was held for three sites in the United Arab Emirates and received hundreds of submissions from over 40 countries. The winning design for the 2010 competition was announced at the World Future Energy Summit in Abu Dhabi January 19, 2011. The prize award, ceremony, and public exhibit were supported by Masdar. Masdar is Abu Dhabi's multi-faceted initiative advancing the development, commercialisation and deployment of renewable and alternative energy technologies and solutions.

LAGI has also designed an "energy literacy" project titled *Renewable Energy Art & Design* that intersects art, science and sustainable technologies with the objective of educating people about the concepts of aesthetic clean energy generation. This includes a six step process:

- 1) **Understanding Art Outside of the Gallery**
- 2) **Understanding the Science of Energy**
- 3) **Understanding Sustainable Technologies**
- 4) **Conceptual Framework**
- 5) **Design Your Own Renewable Energy Artwork**
- 6) **Upload Your Design to the LAGI Website**

# LAND ART GENERATOR INITIATIVE?

LAGI lectures internationally and engages with communities through workshops and various public projects.

## THEORETICAL BACKGROUND

We live in a world that cross-culturally puts a high emphasis on design. As renewable energy generation comes in closer proximity with the real estate that it powers, issues of aesthetics that drive acceptance are becoming more debated. A holistic approach to a renewable energy infrastructure has a place for both macro and micro-generation.

Macro installations in the landscape should take care in their design to integrate with their surroundings both visually and environmentally. Micro installations should take care in their designs to integrate with the fabric of the urban community. Just as buildings, public art, and land art exist as interventions in the fabric of the environment, so too must power generation constructions, from our greenfields to our suburbs to our downtowns, be considered and designed with the same care and responsibility as permanent additions to our shared experience.

We have, on the one hand, a drive toward buildings and cities that are being designed to run on 100% renewable energy. The design community and city planners are moving in this direction driven by the collective will of society. On the other hand, we have technologies proliferating that are still rather utilitarian in their form, such as the standard horizontal axis, three-blade wind turbine. These utilitarian forms are seeing some pushback from individual communities, especially as they come closer to the city. Every day there seems to be a new story about people disapproving of solar or wind installations in their communities. It's not that they don't care about the environment; in many cases the people opposing the installations are self-avowed environmentalists. To some people, the addition of turbines to the skyline that they can see from their porch is a form of visual pollution.

What is needed in order to bridge the gap (between the larger desire for a renewable future and the community level negative reactions to the application of the systems required for it) is an artistic movement that can set a course towards developing stronger aesthetic considerations in sustainable infrastructure.

Because, after all, sustainability in communities is not only about resources, it is also about harmony.

In partnership with New York City's Department of Parks & Recreation, the 2012 Land Art Generator Initiative design competition is being held for a site within Freshkills Park (the former Fresh Kills Landfill) in New York City.

# 2012 LAGI COMPETITION

LAGI 2012 is an ideas competition to design a site-specific public artwork that, in addition to its conceptual beauty, has the ability to harness energy cleanly from nature and convert it into electricity for the utility grid.

The expansiveness of the design site at Freshkills Park presents the opportunity to power the equivalent of hundreds or even thousands of homes with the artwork. The stunning beauty of the reclaimed landscape and the dramatic backdrop of the Manhattan skyline provide an opportune setting from which to be inspired. Freshkills Park offers the perfect environment to showcase the immense potential of aesthetically interesting renewable energy installations for sustainable urban planning.

The monetary prize award will not guarantee a commission for construction; however, LAGI will work with stakeholders both locally (NYC) and internationally to pursue possibilities for implementation of the most pragmatic and aesthetic LAGI designs.

The award ceremony will be in New York City in October of 2012, and the top 30-50 entries for the competition will be included in a book similar to that of the 2010 competition, which was published by Page One Publishing.

A community event will be held in New York City during the summer of 2012 in collaboration with project partners. The workshop will include panel discussions on the artful integration of renewable energy infrastructure and urban ecology. Participants will get a sneak peek at the submitted designs (anonymously attributed by code identifier) and will provide input that will inform the process of jury shortlisting.

Exhibitions of the top entries are being planned in various international venues.



ISBN:  
978-981-428-675-6

**At 2,200 acres, Freshkills Park will be almost three times the size of Central Park and the largest park developed in New York City in over 100 years.**

# WHAT IS FRESHKILLS PARK?

*Text courtesy of New York City Department of Parks & Recreation*

The transformation of what was formerly the world's largest landfill into a productive and beautiful cultural destination will make the park a symbol of renewal and an expression of how our society can restore balance to its landscape. In addition to providing a wide range of recreational opportunities, the park's design, ecological restoration and cultural and educational programming will emphasize environmental sustainability and a renewed public concern for our human impact on the earth.

While the full build-out will continue in phases for the next 30 years, development over the next several years will focus on providing public access to the interior of the site and showcasing its unusual combination of natural and engineered beauty, including creeks, wetlands, expansive meadows and spectacular vistas of the New York City region.

In 2001, the City of New York, led by the Department of City Planning and supported by the New York Department of State's Division of Coastal Resources, conducted a master planning process for Freshkills Park that involved thousands of stakeholders and resulted in an illustrative park plan, also known as the Draft Master Plan. In 2006, the Department of Parks & Recreation assumed responsibility for implementing the project using the Draft Master Plan as a conceptual guide. The basic framework of the plan integrates three separate systems—programming, wildlife, and circulation—into one cohesive and dynamic unit.

## WILDLIFE

Freshkills Park will support richly diverse habitats for wildlife, birds and plant communities, as well as provide extraordinary natural settings for recreation. Through ecological innovation and creative design, new native plant communities will inhabit the site and connect the park to adjacent park sites on Staten Island.

## PROGRAMMING

Freshkills Park will host an incredible variety of public spaces and facilities for social, cultural and physical activity as well as learning and play. The site is large enough to support many sports and programs that are unusual in the city, including horseback riding, mountain biking, hiking, kayaking, and large-scale public art.

## CIRCULATION

An expansive network of paths, recreational waterways, and enhanced access to and from the West Shore Expressway through a system of park drives will help to create an animated, interconnected park. People will be able to experience the site by canoe, on horseback, on mountain bike, on foot, or by car.



Photo courtesy of the City of New York

The 2012 Land Art Generator Initiative, in partnership with New York City Department of Parks & Recreation, calls on artists and designers to submit proposals for a pragmatic art installation for Freshkills Park, Staten Island, New York City. A qualified entry must fulfill the following criteria and be developed to a concept design level of detail. Projects must:

- consist of a three-dimensional sculptural form that has the ability to stimulate and challenge the mind of visitors to the site. The work should aim to solicit contemplation from viewers on such broad ideas as ecological systems, human habitation and development, energy and resource generation and consumption, and/or other concepts at the discretion of the design team.
  - be well informed by a thorough understanding of the history, geography and geotechnical details of the site, as well as the broader contexts of Staten Island and New York City. The work should maintain acute attention to details and context.
  - capture energy from nature, convert it into electricity, and have the ability to store and/or transform and transmit the electrical power to a power grid connection point to be designed by others. Consideration should be made for artfully housing the required transformer and electrical equipment within the project boundary and restricting access for the safety of visitors to the site.
  - minimize their impact on the natural environment and not create greenhouse gas emissions. Each entry should provide a brief environmental impact assessment as a part of the written description in order to determine the effects of the project on the natural ecosystem, and to make clear that no damage will be done to existing engineered systems and infrastructure of the landfill. Mention should be given to a mitigation strategy that will address any foreseeable issues. Reference to the Freshkills Park Generic Environmental Impact Statement (EIS) document will provide additional context. It is available in the downloads section of the competition website.
- Please note that LAGI 2012 does not require a lengthy EIS, but rather only asks for a paragraph that explains the design team's approach at a conceptual design level.*
- make pragmatic considerations for preserving the integrity of the landfill cap and all other engineered systems that are in place, including landfill cover, infrastructure, and environmental controls. The cap shall not be penetrated in any manner for any reason. Vehicular access to above-ground landfill infrastructure must be preserved.
  - be safe to on-site viewers. Consideration must be made for viewing areas as well as boundaries between public and restricted areas.

# DESIGN BRIEF + JUDGING CRITERIA

- be pragmatic and constructible, employing technology that can be scalable and tested. There is no limit on the type of technology or the proprietary nature of the technology that is specified. It is recommended that the design team make an effort to engage the manufacturers of existing technology in preliminary dialogue as a part of their own research and development of the design entry.
- use a percentage of the site strictly in accordance with the allotment allowances on the Site Plan. The overall footprint and covered area of the work must not exceed 100 acres in total. The installation may be limited to the North Park site, or to the East Park site, or may exist partially within both boundaries.
- work in coordination with the approved Draft Master Plan for Freshkills Park. Within the specific project boundary areas in North Park and East Parks, the preliminary programming activities listed in the Draft Master Plan may be suspended or amended in lieu of the LAGI artwork program.

*Successful proposals will combine functional utility with creative concept.*

**LAGI will be asking the jury to make their decisions on the merits of the designs with the following criteria taken into consideration:**

## JUDGING CRITERIA

- Adherence to the Design Brief and Submission Requirements
- The integration of the work into the surrounding environment, landscape, and the approved Draft Master Plan for Freshkills Park
- The sensitivity of the work to the environment, to local and regional ecosystems, and to the integrity of the landfill cap and underground infrastructure
- The estimated amount of clean energy that can be produced by the work
- The way in which the work engages the public
- The embodied energy required to construct the work (this criterion relates also to the pragmatism of the proposal and to its return on construction investment period)
- The originality and social relevance of the concept

We are pleased to be working  
with the following group of  
esteemed jurors:

# JURORS

## **Bjarke Ingels**

*BIG-Bjarke Ingels Group*

## **Dr. Henry Kelly**

*Acting Assistant Secretary and Principal Deputy Assistant Secretary for the Office of Energy Efficiency and Renewable Energy at the U.S. Department of Energy*

## **Jean Gardner**

*Associate Professor of Social Ecological History, Parsons New School,  
School of Constructed Environments*

## **Alice Aycock**

*Public Design Commission of the City of New York*

## **Eric Shiner**

*Director, The Andy Warhol Museum*

## **Patricia Watts & Amy Lipton**

*ecoartspace*

## **Melanie Cohn**

*Executive Director, Council on the Arts & Humanities for Staten Island*

## **Steven Grillo**

*Program Manager for Planning, Staten Island Economic Development Corporation*

## **Peter Yeadon**

*Partner, Decker Yeadon*

## **Eloise Hirsh**

*Freshkills Park Administrator, New York City Department of Parks & Recreation*

## **Phil Gleason**

*Assistant Commissioner for Waste Management Engineering,  
NYC Department of Sanitation*

## **Anne Guiney**

*Executive Director, Institute for Urban Design*

## **James Corner**

*james corner field operations*

# JURORS

## **Dr. Henry Kelly** Acting Assistant Secretary and Principal Deputy Assistant Secretary for the Office of Energy Efficiency and Renewable Energy at the U.S. Department of Energy

Dr. Henry Kelly is the Acting Assistant Secretary and Principal Deputy Assistant Secretary for the Office of Energy Efficiency and Renewable Energy (EERE) at the U.S. Department of Energy (DOE). In his role, Dr. Kelly oversees a broad energy portfolio, helping hasten the transition to a clean energy economy.

The EERE portfolio includes critical efforts to drive innovation, including the SunShot Initiative, which aims to reduce the installed cost of utility-scale solar systems to a dollar-a-watt. At a dollar-a-watt, solar energy is cost competitive—without subsidy—with other energy sources. Dr. Kelly also manages programs that will help put one million electric vehicles on the road by 2015, make the nation's buildings 20% more efficient, and help the United States obtain 80% of its electricity from clean energy sources by 2035.

Prior to his arrival at DOE, Dr. Kelly served as the President of the Federation of American Scientists where he led a team that conducted analysis and advocacy on science, technology, and public policy, including global security issues, energy policy, and education technology.

Dr. Kelly draws on vast experience in a variety of government positions. For seven years he worked in the Clinton White House as the Assistant Director for Technology for the Office of Science and Technology Policy. There he helped negotiate and implement administration research partnerships in energy and the environment, information technology, and learning technology. These partnerships included new automobile and truck technology, housing technology, bioprocessing technology, and information technology.

Before his tenure at the White House, he was a senior associate at the Congressional Office of Technology Assessment and assistant director for the Solar Energy Research Institute (the predecessor of the National Renewable Energy Laboratory). He also worked on the staff of the Arms Control and Disarmament Agency. This is Dr. Kelly's second stint with EERE. Early in his career he worked as a Special Assistant and Senior Scientist in the office.

Dr. Kelly is an elected fellow of both the American Physical Society (APS) and the American Association for the Advancement of Science (AAAS), 2002 winner of the APS's Leo Szilard Lectureship Award for "promoting the use of physics for the benefit of society," and was named the biannual "Champion of Energy Efficiency" in 2000 by the American Council for an Energy Efficient Economy. He is the author of numerous books and articles on issues in science and technology policy.

Dr. Kelly has a Ph.D. in Physics from Harvard University and a B.S. in Physics from Cornell University.

## **Bjarke Ingels** BIG-Bjarke Ingels Group

Bjarke Ingels started BIG-Bjarke Ingels Group in 2005 after co-founding PLOT Architects in 2001 and working at OMA in Rotterdam. Through a series of award-winning design projects and buildings, Bjarke Ingels has created an international reputation as a member of a new generation of architects that combine shrewd analysis, playful experimentation, social responsibility and humour. In 2004 he was awarded the Golden Lion at the Venice Biennale for the Stavanger Concert House, and the following year he received the Forum AID Award for the VM Houses. Since its completion, The Mountain has received numerous awards including the World Architecture Festival Housing Award, Forum Aid Award and the MIPIM Residential Development Award. Recently, Bjarke was rated as one of the 100 most creative people in business by New York based *Fast Company* magazine.

Alongside his architectural practice, Bjarke has been active as a Visiting Professor at Rice University's School of Architecture and Columbia University's Graduate School of Architecture, Planning and Preservation. Bjarke is currently Visiting Professor at Harvard University where he is teaching a joint studio with the Business School and the Graduate School of Design.

## **Eric Shiner** Director The Andy Warhol Museum

Eric C. Shiner is the Director of The Andy Warhol Museum in Pittsburgh. His scholarly focus is on the concept of bodily transformation in postwar Japanese photography, painting and performance art. Shiner was an assistant curator of the Yokohama Triennale 2001, Japan's first ever large-scale exhibition of international contemporary art, and the curator of *Making a Home: Japanese Contemporary Artists in New York* at Japan Society in 2007. He is an active writer and translator, a contributing editor for *Art AsiaPacific* magazine, and was most recently adjunct professor of art history at Cooper Union, Pace University and Stony Brook University. Shiner's hometown is New Castle, PA. He received a Bachelor of Philosophy in The History of Art & Architecture and Japanese Language & Literature from Pitt's Honors College in 1994, an M.A. in The History of Art from Osaka University in 2001, and another M.A. in The History of Art from Yale in 2003.

## **Eloise Hirsh** Freshkills Park Administrator New York City Department of Parks & Recreation

Ms. Hirsh has been the Freshkills Park Administrator since 2006 and has moved the project from the planning phase to the implementation phase. She served as the New York City Department of Parks & Recreation's First Deputy Commissioner from 1978 to 1980 under former Commissioner Gordon J. Davis and subsequently as Director of New York City's first Labor Management Productivity Committee. Prior to accepting her current position at DPR and returning to New York City, Ms. Hirsh served as the City of Pittsburgh Director of City Planning for two terms under Mayor Tom Murphy, as Director of the Mayor's Commission on Public Education, and as firm principal at Iron Hill Associates, leading projects on open space preservation and development, transportation issues, affordable housing and child and family welfare.

# JURORS

## **Steven Grillo** Program Manager for Planning Staten Island Economic Development Corporation

Steven Grillo has been with the SIEDC for the past two years and has led the charge to create a comprehensive Green industrial corridor on the West Shore of Staten Island. This project—the Staten Island Green Zone—seeks to develop legislation and tax incentives which would benefit companies who retrofit their facilities within the area and encourage new Green companies to relocate to the borough. Additionally, the Steven works to assist property owners with the development of brownfields and other dilapidated sites through a relationship with the Empire State Development Corporation and the Mayor's Office of Environmental Remediation. Steven has worked on planning projects throughout Virginia, West Virginia and the Chesapeake watershed and worked for the United States National Park Service prior to coming to SIEDC. Steven holds a BA in geography from the University of Mary Washington in Fredericksburg, Virginia and a Masters of Urban Planning from Hunter College.

## **Melanie Cohn** Executive Director Council on the Arts & Humanities for Staten Island

Melanie Franklin Cohn is the Executive Director of the Council on the Arts and Humanities for Staten Island and serves on the board of the Staten Island Not-for-Profit Association. She spent a total of seven years at the New Museum of Contemporary Art, beginning as a curatorial administrator in 1996. She has edited major publications for the New Museum of Contemporary Art, New York; Center for Curatorial Studies at Bard College, Annandale-on-Hudson, New York; and Creative Time, New York, among others. She has served on the Advisory Committee for the Urban Art Program for the New York City Department of Transportation. She has led COAHSI in receiving a 2009 Rockefeller Foundation Cultural Innovation Fund Grant and a 2010 National Endowment for the Arts Grant. Ms. Cohn received her MFA from the School of Visual Arts in 1992 and her BFA from Missouri State University in 1989.

## **Patricia Watts & Amy Lipton** ecoartspace

**Patricia Watts (Founder and West Coast Curators)** has researched art and nature practitioners since 1994. She has participated as panelist at numerous conferences and has given lectures at art departments internationally. Watts most recently curated *Ecologic* for Cypress College (2009) in Los Angeles, and *Terroir for Art* at the Cheese Factory (2009) in Northern California. She also curated *Hybrid Fields* for the Sonoma County Museum (2006), and *Bug-Eyed: Art, Culture, Insects* for the Turtle Bay Exploration Park (2004-2005), and produced a site-specific temporary public art installation entitled *Windsock Currents* (2005) on Crissy Field in the Presidio (San Francisco) for UN World Environment Day. Watts was Chief Curator at the Sonoma County Museum in Santa Rosa, California (2005-2008). She received her MA in Exhibition Design/Museum Studies from California State University, Fullerton, and has a BA in Business Administration from Stephens College, Missouri.

**Amy Lipton (Director ecoartspace NYC)** began her career as a gallerist in New York City from 1986-1995. She has curated numerous exhibitions, organizes and participates on panel discussions, lectures on art and the environment and has written for various publications. Recent exhibitions include *Down to Earth: Artists Create Edible Landscapes* for the Schuylkill Center (2009) in Philadelphia and *Into the Trees* (2008) for the Fields Sculpture Park at Art Omi in Ghent, NY. Earlier curatorial projects include *Imaging the River* at the Hudson River Museum, Yonkers, NY (2004) and *Ecovention*, (160-page catalogue) at the Contemporary Art Center, Cincinnati, Ohio (2002). She organized *Human/Nature: Art and the Environment* with The Nature Conservancy, a series of discussions bringing artists and scientists together (2003-2008). Lipton was formerly Director of The Fields Sculpture Park at Omi International Arts Center. She received her BFA from California Institute of the Arts, Valencia, CA.

## **Peter Yeadon** Partner Decker Yeadon

Peter Yeadon is a Partner at Decker Yeadon in New York City, a firm that is known for its pioneering research into applications for advanced materials with novel properties, particularly smart materials and nanomaterials. He is also a faculty member at the Rhode Island School of Design, where he has taught courses on smart materials and nanotechnology since 2003. Yeadon is a Registered Architect in the State of New York and is a member of the American Institute of Architects. He has received numerous awards for his work, and has lectured and written on the topic of emergent materials extensively.

## **Jean Gardner** Associate Professor of Social Ecological History Parsons New School, School of Constructed Environments

Jean Gardner is an activist, writer, teacher, and consultant on sustainable design issues. She is co-author with Brian McGrath of *Cinematics: Architecture Drawing Today*. She also wrote the first book on *Urban Wilderness: Nature in New York City*. The national AIA Committee on the Environment awarded her graduate course "Issues and Practices in Architecture and Urbanism" special recognition for eco-literacy teaching. The New York City Chapter of the AIA awarded her a Special Citation for her work as an Urban Ecologist, Author, and Educator in both the architectural field and in the public realm. Gardner was part of a team led by David Rockwell to commemorate 9/11 that exhibited at the 2002 Venice Biennale "The Hall of Risk", a participatory center for conflict resolution.



# JURORS

## **Anne Guiney** Executive Director Institute for Urban Design

Anne Guiney was the editor of the New York edition of *The Architect's Newspaper*, and was part of the original team that launched the newspaper in 2003. Prior, she was an editor at *Architecture* magazine and *Metropolis*, and has written widely on architecture and design for other publications, including *Architect*, *ID*, and *Details*.

Since arriving at the Institute for Urban Design, she developed the concept and programming for the first-ever Urban Design Week in September 2011, including the innovative crowd-sourced design competition *By the City / For the City* and its accompanying volume, *An Atlas of Possibility for the Future of New York*. She is currently working with the Institute's board of directors on curating the U.S. Pavilion at the 2012 Venice Architecture Biennale.

## **Phillip J. Gleason, P.E.** Assistant Commissioner New York City Department of Sanitation

A civil and environmental engineer, Phillip Gleason has worked on numerous and various facets of the 2,200 acre Fresh Kills Landfill operation since 1983. Assistant Commissioner of the NYC Department of Sanitation (DSNY) since 2002, Mr. Gleason has directed the closure design and construction for the landfill as well as its post closure care programs, including the operation of two specially designed processing plants at the landfill; one treats up to one million gallons per day of leachate from the landfill, and the other purifies landfill gas to produce 5,000,000 standard cubic feet of methane (natural gas) each day for sale to a local utility company. His early work for DSNY focused on developing and implementing plans to upgrade the operations, engineering and construction of the Fresh Kills Landfill and to bring the facility into compliance with current environmental protection practices and regulatory standards. In 1997, Mr. Gleason began his collaboration with the NYC Department of City Planning to develop an end use plan for the Fresh Kills Landfill; this led to the creation of a draft master plan for development of Freshkills Park. He continues to work closely with the NYC Department of Parks and Recreation on the design and permitting of the park and its coordination with the landfill's closure design and post-closure requirements.

## **Alice Aycock** Public Design Commission of the City of New York

Alice Aycock has been the sculptor member of the Public Design Commission of the City of New York since 2003. Her work is found in major public and private collections throughout the world, and she has received numerous awards, including four National Endowment for the Arts Fellowships. She is currently represented by Galerie Thomas Schulte in Berlin, Salomon Contemporary in New York City, and Frederic Snitzer Gallery in Miami.

Alice received a B.A. from Douglass College and an M.A. from Hunter College. In 1977, she had a solo exhibition at the Museum of Modern Art in New York. She has had two major retrospective exhibitions: a traveling show in 1983-84 organized by the Württembergischer Kunstverein in Stuttgart, Germany, and *Complex Visions*, organized by the Storm King Art Center in Mountainville, New York in 1990. In 2005, the MIT Press published *Alice Aycock, Sculpture and Projects*, a hard-cover monograph by Robert Hobbs. In 2013, the new Parrish Art Museum in Southampton, New York will present a traveling retrospective of Alice's drawings.

Her works can be found in the collections of the Museum of Modern Art, New York, the Whitney Museum of American Art, the Brooklyn Museum, the Louis Vuitton Foundation, the Los Angeles County Museum, and the National Gallery. She exhibited at the Venice Biennale, Documenta VI and VIII in Kassel, Germany and the Whitney Biennial in New York City. Alice's public sculptures can be found throughout the United States, and she has three major sculptural installations in the New York area, including *East River Roundabout*, a large-scale sculptural roof installation at 60th Street and the FDR, and *Star Sifter*, in the rotunda of the new Terminal One at Kennedy Airport.

Alice has taught at numerous colleges and universities, including Yale University (1988–92), where she served as the Director of Graduate Sculpture Studies from 1991–92, and the School of Visual Arts (1991–present).

## **James Corner** james corner field operations

james corner field operations is a leading-edge landscape architecture and urban design practice based in New York City. Serving an international clientele, the practice is renowned for strong contemporary design across a variety of high-profile project types and scales. Major projects include the design of the High Line, New York City; Fresh Kills Park, Staten Island; the pool deck and gardens of City Center, Las Vegas; Lake Ontario Park, Toronto; Shelby Farms Park, Memphis; The Race Street Pier, Philadelphia; Santa Monica Civic Center Parks, Santa Monica; the San Juan Knowledge Corridor, Puerto Rico; Qianhai Water City, China; and the recently awarded Central Waterfront, Seattle.

Comprising 35 professionals, many with cross-disciplinary backgrounds in landscape architecture, urban design, architecture and communication art, our mandate is to create intelligent, high-quality design solutions for cities, landscapes and public spaces.

The competition site boundary encompasses 300 acres of Freshkills Park and includes areas of both the North Park site and the East Park site.

More competition site details can be found at [www.landartgenerator.org/designcomp](http://www.landartgenerator.org/designcomp)

# COMPETITION SITE DETAILS

Excerpt from the Draft Master Plan

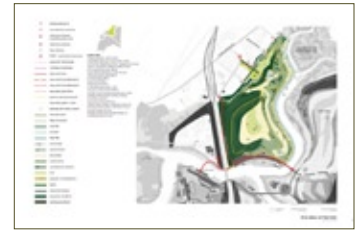
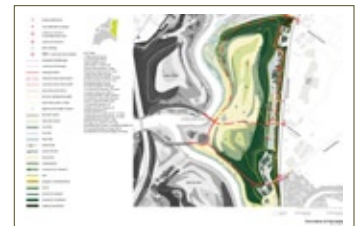


Photo by Michael Anton, courtesy of the City of New York

**NORTH PARK** (233 acres, max. elev. 150 ft.) will be characterized by simple, vast natural settings—meadows, wetlands and creeks. Adjacent to the Travis neighborhood and overlooking the William T. Davis Wildlife Refuge, the area will feature paths and trails for walking, running, bicycling and skating. Scenic overlooks and spaces for picnicking, catch-and-release fishing and bird-watching will be provided.

Excerpt from the Draft Master Plan



**EAST PARK** (482 acres, max. elev. 122 ft.) will run most of the length of the park's eastern border. The eastern edge of East Park has been conceptualized as a nature education area with wetlands, boardwalks, exhibits and public art installations. The top of the mound lends itself to a variety of recreational uses, from golf and field sports to archery, informal pickup games, frisbee and picnicking. A park road will extend from Richmond Avenue into the heart of the site and connect to the West Shore Expressway. The road will be sensitively designed as a scenic route to integrate into the landscape.

## GENERIC REPRESENTATION OF LANDFILL CAP

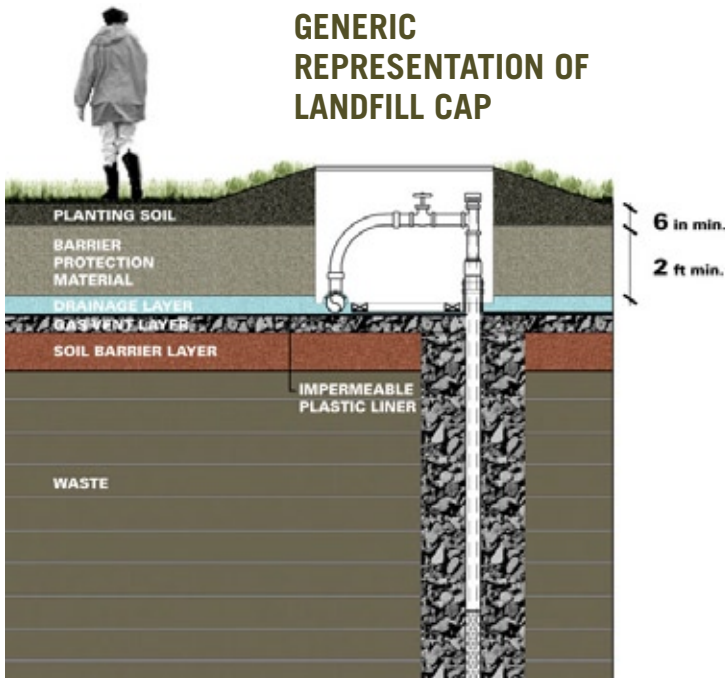


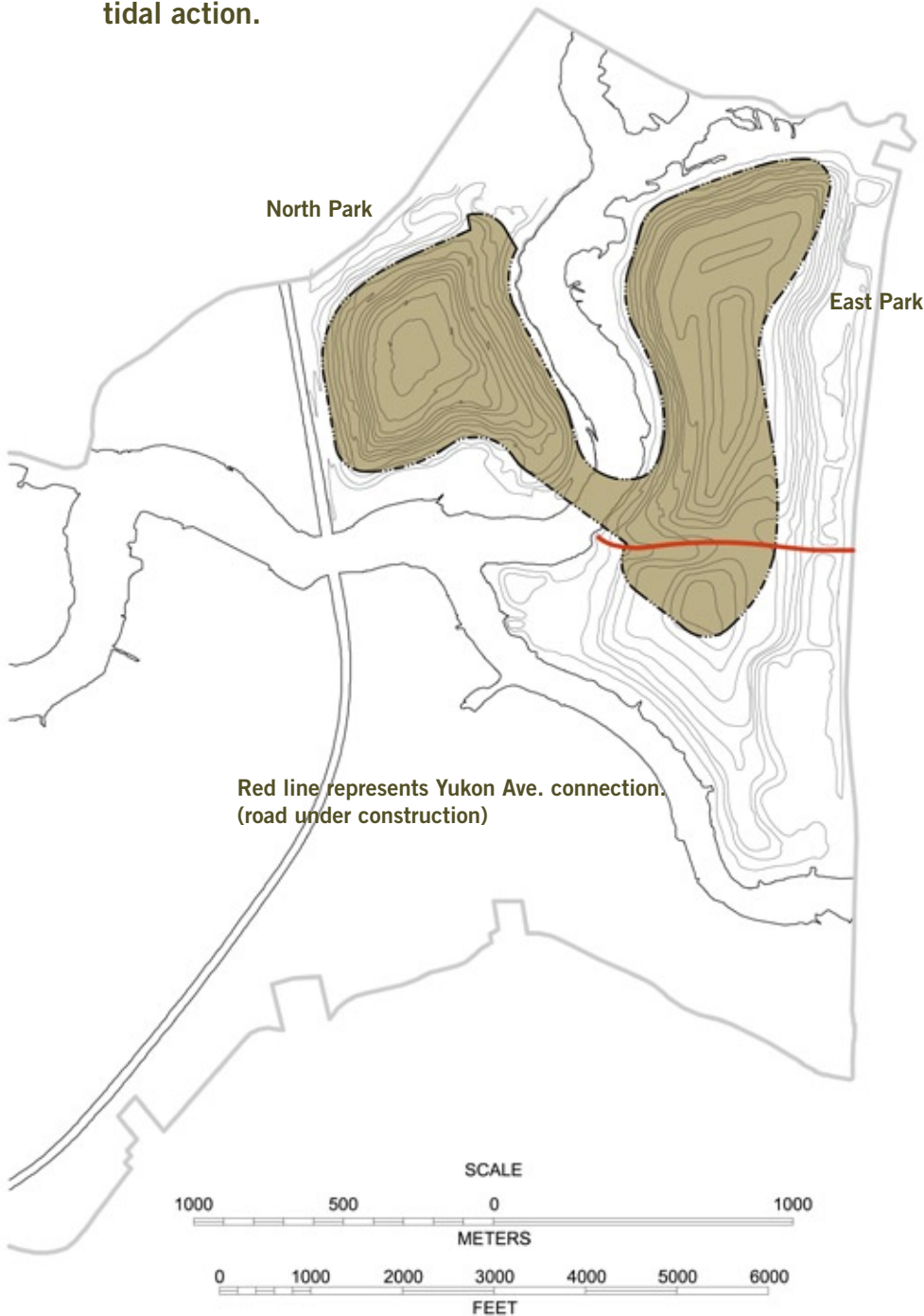
Image courtesy of the City of New York

The design must make pragmatic consideration for preserving the integrity of the landfill cap. The cap shall not be penetrated in any manner for any reason.

Proposals must not extend beyond the site boundaries as shown below. Additionally, the footprint area of the proposal must not exceed 100 acres total. Footprint area is defined as including the combined surface area of all constructed objects that are a part of the proposed installation as they would be seen in “roof plan” view from directly above.

The installation may be limited to North Park or to East Park, or may exist partially within both boundaries. The installation may engage with the water in the area of Main Creek included in the site boundary area, but such engagement must not significantly impact the natural water flow or tidal action.

# COMPETITION SITE DETAILS



Freshkills Park context



New York City context



Examples of coverage scenarios

For more detailed solar and wind information, refer to the following supplemental PDF files:

**Freshkills-SolarResources.pdf**

Excerpt from: "Large-Scale Solar at Freshkills Park-Feasibility Assessment" by the School of International and Public Affairs at Columbia University (courtesy of the City of New York)

**Freshkills-WindResources.pdf**

Excerpt from: "Evaluation of the Feasibility of Installing a Commercial Scale Wind Energy Facility in Fresh Kills, Staten Island, New York" by BQ Energy LLC (courtesy of the City of New York).

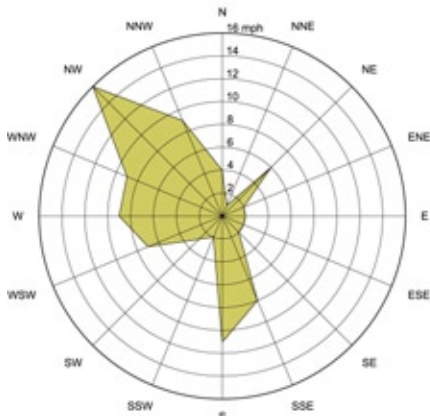
# COMPETITION SITE DETAILS

## Climate Data

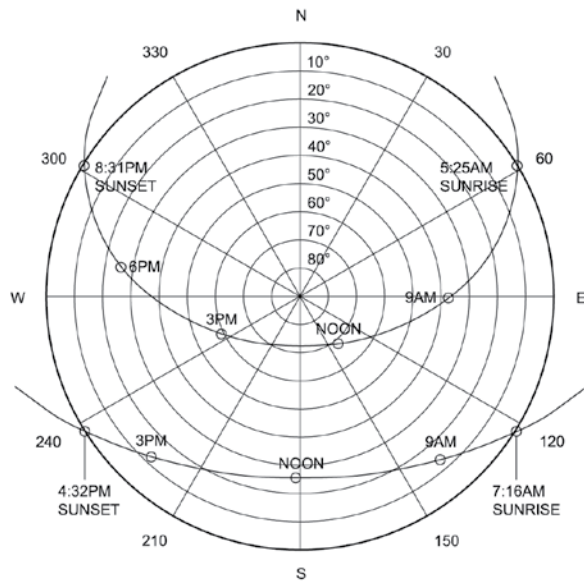
Month	J	F	M	A	M	J	J	A	S	O	N	D
Insolation, kWh/m <sup>2</sup> /day	1.79	2.66	3.66	4.44	5.21	5.70	5.65	5.00	3.98	2.89	1.89	1.57
Clearness, 0 - 1	0.45	0.49	0.49	0.47	0.48	0.49	0.50	0.50	0.48	0.47	0.43	0.44
Temperature, °F	25.72	28.65	36.95	48.20	60.13	69.76	74.21	72.34	65.01	52.88	42.08	31.30
Wind speed, mph	13.69	13.85	14.03	13.33	11.70	10.80	9.82	9.51	10.11	11.16	12.80	13.51
Precipitation, inches	3.38	3.12	4.01	4.00	4.21	3.43	4.37	4.06	3.76	3.30	4.15	3.67
Wet days, days	10.4	9.6	10.8	10.4	11.3	10.3	9.6	9.2	8.1	7.7	10.4	11.0

These data were obtained from the NASA Langley Research Center Atmospheric Science Data Center; New et al. 2002 via gaisma.com

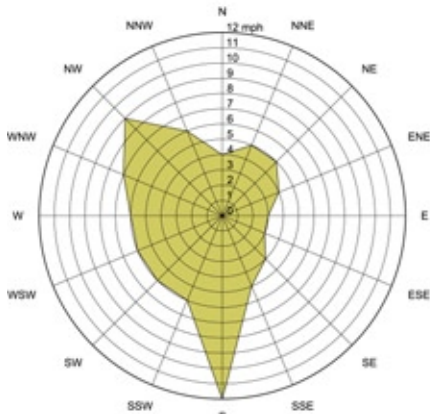
Latitude: +40.71417 (40°42'51.012"N)  
Longitude: -74.00639 (74°00'23.004"W)



**Wind Rose at Robbins Reef Lighthouse**

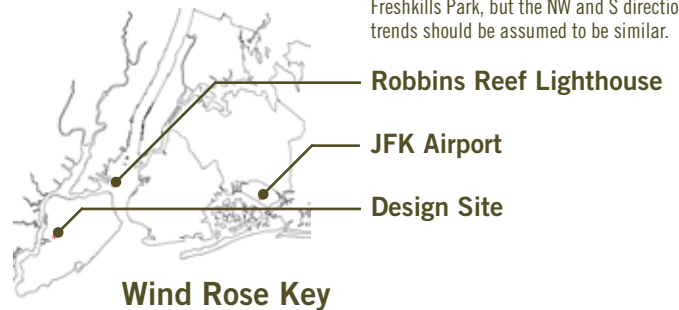


**Sun Path**



**Wind Rose at JFK International Airport**

We have provided here two long-term trend wind rose diagrams for locations close to the site. No such long-term data is available for Freshkills Park, but the NW and S directional trends should be assumed to be similar.



**Wind Rose Key**

Wind rose information from [www.windfinder.com](http://www.windfinder.com)

The design must work in coordination with the approved Draft Master Plan for Freshkills Park. Within the specific project boundary areas in North Park and East Parks, the preliminary programming activities listed in the Draft Master Plan may be suspended or amended in lieu of the LAGI artwork program.

# FRESHKILLS PARK MASTER PLAN

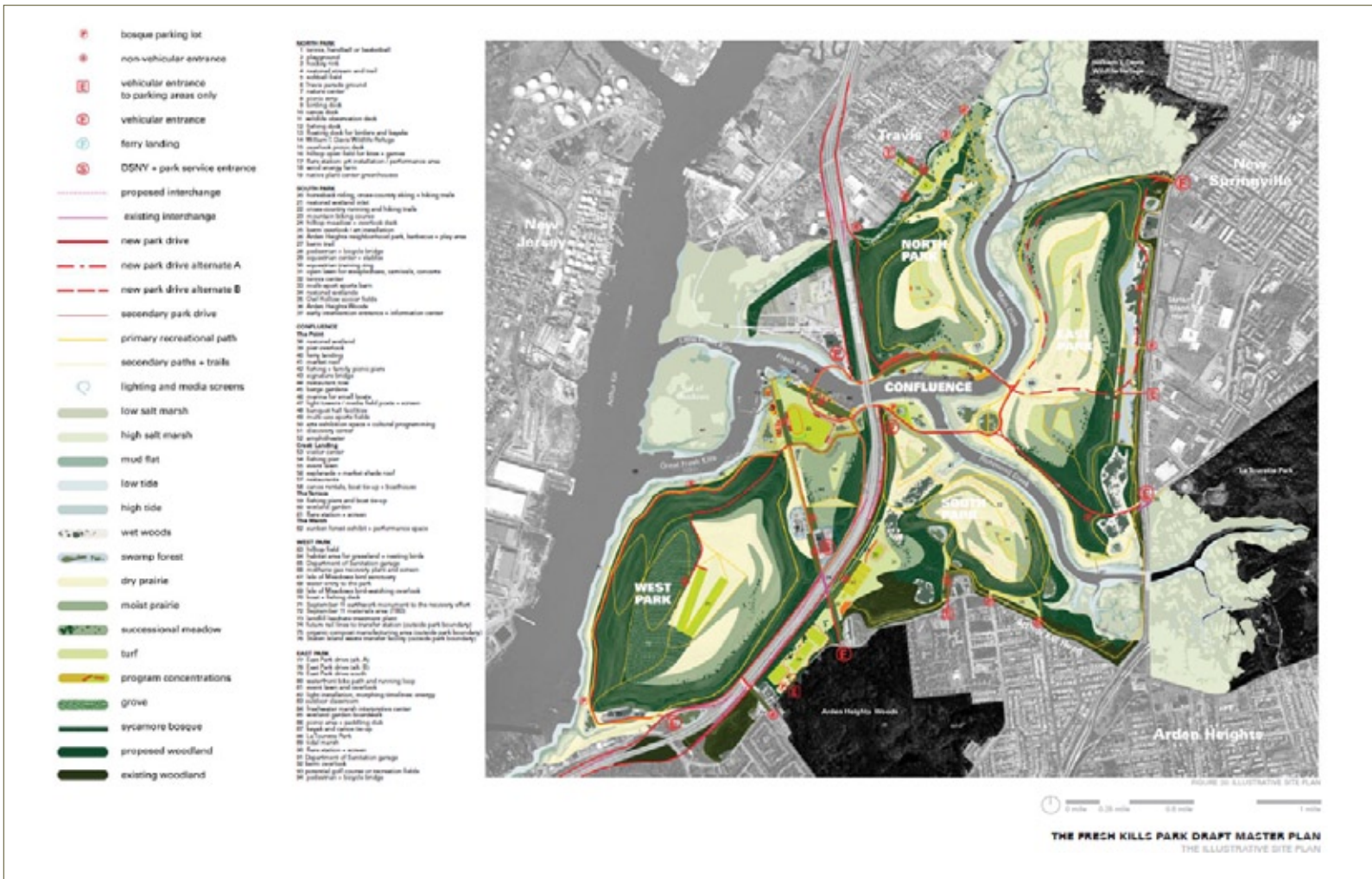


Image courtesy of the City of New York

# PRIZE AWARD + COMPETITION SCHEDULE

The first place winning team will receive a cash award of **\$15,000** & the first runner up will receive a cash award of **\$4,000**.

Winning the cash award does not guarantee construction of the winning design.

## SCHEDULE

### JANUARY 1, 2012

Announcement of call to teams

### JANUARY 1, 2012 to APRIL 15, 2012

Open period for questions

(Q & A online at [www.landartgenerator.org/designcomp](http://www.landartgenerator.org/designcomp))

### JULY 1, 2012

Deadline for submission

### AUGUST 30, 2012

Selection of winning entry

### OCTOBER 2012

Announcement of winner and award ceremony

Public exhibit of selected entries

**Site visits, conducted by bus in cooperation with the NYC Department of Parks & Recreation, will be available specifically for competition participants on Wednesday, March 28th and Saturday, March 31st, 2012.**

*Attendance is entirely optional and has no bearing on the review of entries. Details will be posted on the LAGI 2012 Design Competition website. Those who wish to visit outside of these two days may do so by scheduling their own bus tour reservation via the Freshkills Park website.*

# SUBMISSION REQUIREMENTS

## GENERAL CRITERIA

The entry must not have been used in any other context, and it must not have been previously published or exhibited anywhere in the world.

The design must be kept confidential until the results of the competition are announced.

Designs that have already been made public, are found to plagiarize any existing design, that may harm public safety, or that are found to infringe on the intellectual property rights of others will be disqualified.

If any award-winning submissions are found to fall under any of these categories later, the award will be cancelled and the prize money withdrawn.

There are no restrictions on team size and/or makeup. It is recommended (but not mandatory) that the team be comprised of interdisciplinary members so as to arrive at the most well conceived result. An ideal team might consist of an artist, an architect, a landscape architect, an electrical engineer, and a renewable energy scientist.

*Please see [www.landartgenerator.org/designcomp](http://www.landartgenerator.org/designcomp) for complete Terms & Conditions.*

## DEADLINE

Submissions will be accepted until July 1, 2012 at 23:59 GMT.

## REGISTRATION

Register your team by creating an account at:

[www.landartgenerator.org/designcomp](http://www.landartgenerator.org/designcomp)

Under Log In, click Register.

Enter your username and email address.

You will receive a password and confirmation via email.

## FORMAT

- Exactly four (4) A1 size layout pages (PDF only)  
A1 size is based on the international ISO 216 standard (594mm × 841mm).

- One (1) 1,500-word maximum written description (DOC or TXT only).
- Layouts must all be landscape in orientation (for consistency in publications and exhibits).
- Each layout page is to be uploaded separately.
- Each layout page may not exceed 6MB file size.
- Each layout page must have your unique 8-character code visible somewhere on the sheet.
- Language must be English.

## HOW TO SUBMIT YOUR ENTRY

- Teams may submit only one entry to the competition. Individuals may not be on more than one team.
- Be sure that no personal identifying information is visible on any of your layout boards other than the 8-character code. You pick the code yourself.
- Name each file with your 8-character code, underscore, and the number of the layout page.  
ex: EZ35G455\_1.pdf, EZ35G455\_2.pdf, etc.  
ex: EZ35G455.doc (for the written description)
- Go to: [www.landartgenerator.org/designcomp](http://www.landartgenerator.org/designcomp) and log in.
- Click “Upload Submission”.
- Upload your layout boards using the online form. Locate each of your PDFs and your DOC file on your local computer. Make sure that your email address and all other information is correct and that all required fields are completely filled in. Click “Upload.”
- Please be patient while the upload is in process and do not navigate away. Uploading may take ten minutes or even longer, depending on your connection speed.
- Once your submission is complete, you will be re-directed automatically to a confirmation page and you will receive a confirmation email.

# TERMS + CONDITIONS

The submitted design remains the property of the participant. Participant shall be credited either by collective team name or by individual name at their discretion in all publications and exhibits.

By submitting a design, the participant agrees to provide Land Art Generator Initiative with the right of first refusal to the exclusive use of the design for the purpose of exhibition, publishing and promotion.

The participant agrees to allow Land Art Generator Initiative to use the submitted design in discussions and negotiations with developers, planners, funders and municipalities in an effort to have the design constructed.

By participating in the competition, all participants authorise Land Art Generator Initiative to publish and exhibit all the designs (including project data submitted)—waiving compensation—at exhibitions and events and/or to use them in and promote them to any publications that the organizers may deem suitable and/or necessary.

In the event that Land Art Generator Initiative exercises the option to use the rights for production (construction of the winning design) on an exclusive basis and without time limitations, Land Art Generator Initiative shall enter into an agreement with the designer, the terms of which shall be determined entirely by that agreement.

Land Art Generator Initiative competition is a project of Society for Cultural Exchange. The prize award money is a cash payment to the winning designer and is not related to costs of construction of the work. There is no guarantee of any of the projects being constructed.

*Please see [www.landartgenerator.org/designcomp](http://www.landartgenerator.org/designcomp) for complete Terms & Conditions.*



The below listed files and folders  
are available for download at  
[www.landartgenerator.org/designcomp](http://www.landartgenerator.org/designcomp)

# SUPPLEMENTAL DOCUMENTS FOR DOWNLOAD

## 2012 LAGI DESIGN BRIEF SUPPORTING DOCUMENTS

### Freshkills-SolarResources.pdf

Excerpt from: "Large-Scale Solar at Freshkills Park—Feasibility Assessment" by the School of International and Public Affairs at Columbia University (Courtesy of the City of New York)

### Freshkills-WindResources.pdf

Excerpt from: "Evaluation of the Feasibility of Installing a Commercial Scale Wind Energy Facility in Fresh Kills, Staten Island, New York" by BQ Energy LLC (Courtesy of the City of New York)

### DrawingFileAsPDF.pdf

This file will print out 1:1 size on A1 or ArchD paper at 1"= 40' scale.  
All dimensions are in feet.

## FRESHKILLS PARK PLANNING AND COMMUNITY

### 2001-AboutFreshkills.pdf

Document produced by New York City Department of City Planning for the 2001 international design competition for Freshkills Park (Courtesy of the City of New York)

### 2006-FreshkillsDraftMasterPlan.pdf

The work of James Corner, Field Operations: Draft plan of the design selected from the submissions to the 2001 RFP (courtesy of the City of New York)

### 2008-PublicMeeting-NorthPark.pdf

Slides from the public presentation of the detailed proposal for North Park (Courtesy of the City of New York)

### FreshkillsGEIS.pdf

Freshkills Park Generic Environmental Impact Statement  
(Courtesy of the City of New York)

*Please note that Section 15 of this document pertains to the energy demand of Freshkills Park.*

### StatenIsland-WestShore-FinalReport.pdf

"Working West Shore" Master Plan for sustainably growing Staten Island's West Shore (Courtesy of the City of New York)

## LANDFILL CAP ENGINEERING

### LandfillCappingSystems-BasicEngineering.pdf

"Landfill Capping: Engineering and Restoration" by C. McDonald, T. Meggyes, and E. Simmons

### SolarOnClosedLandfills-Gabriel Sampson-UCSantaBarbara.pdf

"Solar Power Installations on closed Landfills: Technical and Regulatory Considerations" by Gabriel Sampson, National Network of Environmental Management Studies Fellow, Bren School of Environmental Science and Management, University of California, Santa Barbara

## PHOTOS OF FRESHKILLS PARK

### FreshkillsLAGI2012.zip

## CAD DRAWING OF THE LAGI 2012 COMPETITION DESIGN SITE

### LAGI2012-CAD-FreshkillsPark.dwg

(Document provided by New York City Department of Parks & Recreation)

## REGIONAL HISTORY

### 1902-HistoricalGeologicalSurvey.pdf

"Description of the New York City District" by F.J.H. Merrill, N.H. Darton, Arthur Hollick, R.D. Salisbury, R.E. Dodge, Bailey Willis, and H.A. Pressey  
An interesting in-depth geological history document about the New York City region.

### History-NYC-Landfills.PDF

"Reconnaissance Mapping of Landfills in New York City" by Daniel C. Walsh

The Land Art Generator Initiative is a project of Society for Cultural Exchange, a U.S. based 501(c)(3) organization. All donations are tax exempt to the fullest extent of U.S. law.

Please check [www.landartgenerator.org](http://www.landartgenerator.org) for a current list of partners & supporters.

## FOR MORE INFORMATION

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# SUPPORTERS + PARTNERS

## SUPPORTERS

### UNIVERSITY SUPPORT

Zayed University has generously provided the research platform to develop the 2012 LAGI competition.

### FOUNDATION SUPPORT

Horne Family Foundation

## PARTNERS

New York City Department of Parks & Recreation  
Institute for Urban Design

Zayed University

Council on the Arts & Humanities for Staten Island (COAHSI)

Freshkills Park Alliance

FreshkillsPark Alliance



NYC Parks



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