

SOLARone

GREEN ENERGY, ARTS
& EDUCATION CENTER



**EXHIBITS TO RESPONSE OF CEC STUYVESANT COVE, INC., ALSO KNOWN AS
SOLAR ONE, TO THE PUBLIC SERVICE COMMISSION STAFF PROPOSAL FOR THE
EXTENSION OF THE SYSTEMS BENEFIT CHARGE AND SBC FUNDED PUBLIC
BENEFITS PROGRAM**

SUBMITTED OCTOBER 14, 2005



SOLARone

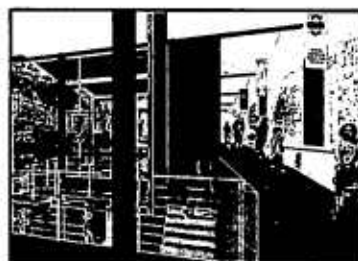
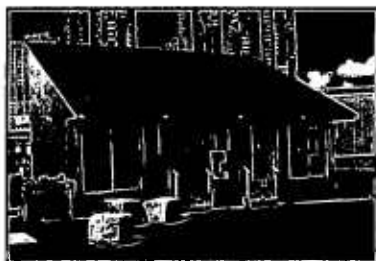
GREEN ENERGY, ARTS
& EDUCATION CENTER

EXHIBIT A

SOLAR ONE PROGRAM REPORT

SOLARone

GREEN ENERGY, ARTS
& EDUCATION CENTER



PROGRAM REPORT

Solar One's Education Program

CEC Stuyvesant Cove, Inc. a/k/a Solar One¹ has dedicated itself to inspiring New Yorkers to become environmentally responsible urban residents. It embraces this mission through environmental science education, access to sustainable arts performances, energy conservation using its own solar powered building as a prototype (Solar 1), and through other means to help New Yorkers develop a sense of stewardship for New York City, for themselves and for their own individual neighborhoods. What makes Solar One unique is that it

- educates by providing hands on energy conservation and sustainability instruction through its own use of solar power and other resource saving techniques,
- facilitates a better understanding of water ecology through its immediate access to and use of the East River estuary,
- reinforces the importance of our natural environments through its preservation and maintenance of Stuyvesant Cove Park, a two acre park jewel located on the banks of the East River between 18th and 23rd Streets, and
- gives the arts a place in promoting change and exemplifying a new direction in the positive use of energy and art.

Our unique mission enables us to build programming around three key elements of the site - the East River, the Park and Solar 1 - and emphasizes energy consumption and conservation, the interaction of the natural and built environments, river ecology, local flora and fauna, and "green" design.

Solar One's Energy Education Programs:

K through 12 Education Program: Students in our elementary through high school program experience a model of urban sustainability in a stand alone solar powered building. They undertake experiments like building wind turbines, solar powered cars and biospheres all geared towards providing them with a better *understanding* of the importance of energy conservation. It is an experience that is not replicated anywhere else in NYC. In the past one and one half years since we opened, more than 2500 students have participated in our education program.

Energy and the Environment - *Energy and the Environment* is not a typical environmental science course. *Energy & The Environment* aims to 1) acquaint students with the important concepts and frameworks that inform contemporary environmental science, i.e. *ecology, systems thinking, sustainability, etc.*; 2) to promote a more sophisticated scientific, historical and social understanding of contemporary energy use, production and waste; 3) to draw out the many complex linkages that exist between human energy systems and the Environment; and 4) to

¹ Solar One refers to the organization; Solar 1 refers to the building.

demonstrate how attempts to address “environmental problems” are the basis of diverse professional fields, disciplines and careers. In addition to weekly coursework that builds participant knowledge and interest in a range of environmental and resource-related subjects, the program aims to create opportunities and provide ongoing career and educational guidance for students who are seeking opportunities in the environmental field.

Our pilot program targeted students in NYC’s Offsite Educational Services program, primarily made up of students who are trying to transition back into high school or obtain their graduate equivalency diploma. Solar One uses its resources and position within New York City’s growing network of environmental organizations to seek out and place participating students in part-time internships that involve services relevant to the educational focus of the course. Solar One provides career guidance, networking opportunities, and letters of reference for interested and qualified participants following completion of the program. The objective is to cultivate knowledge, interest and opportunity in the emerging green sector. The course has been designed and sequenced to make sustainability relevant as a social priority, and at the same time, more transparent as a career and education path.

Professional Education Program: Our professional education program targets those who are in the best position to affect change in NYC – developers, builders, architects, designers, lawyers, etc. They are the green champions of the future. They experience and learn about green building techniques and performance standards by taking classes at Solar 1. Our curriculum focuses on Solar 1 as an example of green design and solid green building performance standards. This Winter we are hosting 2 continuing education courses “Affordably Green in NYC” and “Renewable – Sustainable – Solar.”

Arts and the Environment Program: Our newest and, quite possibly, most important initiative is our arts and environment program. We have developed a program at Stuyvesant Cove that is unique and the first of its kind in New York, if not the nation: “Green Arts” – The Bridge Between the Arts and Environmental Communities.”

A consistent premise here at Solar One, is that the arts performances (i.e., dance, music and film) are powered, either entirely or in part by renewable (solar) electricity. Furthermore, we encourage artists who are performing here to present projects with an environmental focus or theme. For people who attend Solar One’s “Green Arts” programs, environmentalism is an experience, not a stuffy lecture. Audiences are exposed to the arts and the environment in a new and engaging way that translates into educational efficacy for the public at large.

What we have found is that people go away from these performances with a profound realization that environmentalism can coincide with artistic expression and actually improve quality of life, as opposed to degrading it. Too often environmentalists are thought of as those “other” people who don’t mind cold showers or live off a diet of granola and lentils. People often have trouble recognizing that one’s quality of life does not have to change to be an environmentally sustainable and responsible urban resident.

“Green Arts” is a form of artistic expression that has the potential for transformative change in the way NYC residents understand and implement energy conservation measures. Artistic expression often drives change. Harnessing that change and marketing it is a logical

outgrowth of our "Green Arts" program. Using "Green Arts" we've harnessed the opportunity to teach people about energy conservation and urban sustainability, without an invasive lecture. In 2005 we introduced the first Solar Powered Arts Festival™. The festival ran from June through October and featured a Solar Powered Dance, Film and Music Series™. Our film series began with an informational short about energy conservation. Several thousand New Yorkers attended our first Solar Powered Arts Festival™ and left with a newfound appreciation of what it means to reduce our reliance on fossil fuels for our energy needs.

Community Housing Program: Working with partners well acquainted with community housing issues we bring together community housing groups to Solar 1 for lessons about green building, energy efficient design, renewable energy in their project and financing. Again, the experience of Solar 1 makes the workshops real and powerful.

CitySol and Other Events: This September, Solar One in conjunction with o2, ConEd Solutions, Compact/Impact, the Brooklyn Brewery and CEC, held the first green Vendor Fair, which showcased the latest in local sustainable products and services within an energized, festive atmosphere of electronic music, dancing and socializing. This free, all-day event aimed both to embody and celebrate the unique innovativeness, commercial savvy and creative genius that have increasingly come to define New York City's changing green culture.

In addition, we host our "Thursdays at the Cove" **Author's Series** and the **Green Renters Series**, both of which are geared towards the lay population not familiar with but interested in green energy techniques in a city like New York as well as numerous other events throughout the year.

Dated: October 17, 2005



IN-SCHOOL EDUCATION PROGRAM

in-school education program

Americans account for 5% of the world's population, yet we consume 25% of the world's energy. Education is the first step towards smart usage and the economic and health benefits that come with it. To advance these ideas, Solar One has developed collaborative arrangements with numerous NYC schools that bring middle and high school students with their teachers to Solar 1 at no charge to receive hands-on environmental science and energy lessons. Since March 2004, more than 2500 grade, middle and high school students have participated in programs at Solar 1.

Our most recent partnership is with the New York City Department of Education's Offsite Educational Services (OES) program which provides students who have dropped out with the opportunity to transition back into traditional high schools or obtain a Graduate Equivalency Diploma. With OES, we are developing a pilot program in energy and environmental science for transitional high school students to engage students in energy and environmental issues and give them access to skills training to expand their opportunities for higher education and careers in the field.

Solar One uses a curriculum created in partnership with National Energy Education Development (NEED) based around a series of lectures and workshops that focus on the issues of resource conservation, water ecology and renewable sources of energy. Our programs provide students with critical thinking skills and give them the opportunity to apply the lessons to their daily lives. Through Solar One's environmental lessons, students develop a greater understanding of the urban environment, sustainability, and how they can make decisions about using resources wisely.

Providing free programming permits us to maximize the effectiveness of our outreach. The lack of a fee allows us to individualize the programs that we provide for each school because we are not required to provide a specific number of lessons to cover our costs. This way of structuring the lessons leads to a more flexible program that can produce benefits for each class no matter how many sessions they attend.



A classroom session in Solar 1



Workshop on the East River



Learning about solar power



Classes take advantage of the outdoor space as well



24-20 FDR Drive Service Road East
New York, NY 10010
T 212.505.6050
F 212.253.2467
www.solar1.org

stats

number of schools: 15
number of students: 2500+
partner organizations: National Energy Education Development; Lower East Side Ecology Center; New York City Department of Education Offsite Educational Services; New York City Soil and Water Conservation District

SOLARone

FREE ENERGY EDUCATION
WORKSHOPS IN YOUR CLASSROOM.



Energy & The Environment

SINGLE AND MULTI-SESSION WORKSHOPS ENGAGE
STUDENT INTEREST IN:

The Science of Energy • Electricity Generation • Energy and
Ecology • Fossil Fuel Origins • CO² and Climate Change •

RENEWABLE ENERGY SOURCES • The History of Energy
Use • Global Politics and Energy • Everyday Efficiency and
Conservation.

Modern systems of energy production, driven by the combustion of fossil
fuels, are simultaneously at the basis of unprecedented human
achievement, political complexity and ecological stress.

Solar One's *Energy & The Environment* outreach program aims to promote
critical understandings of the scientific, social, and ecological significance
of everyday energy consumption.

Energy & The Environment's interdisciplinary environmental science focus
allow for integration with both natural science and social studies coursework.

Designing a Solar One learning program . . .

Solar One opts for a collaborative approach to education, working with
schools and teachers to create individual lessons around subjects in the
schools' current curriculum.

For more information or to schedule a visit teachers can
contact Solar One Education Coordinator Chris Neidl:

Solar One Energy Workshops . . .

- Spark student interest about how we use energy in our city, and deal specifically with the use of energy in New York's urban environment.

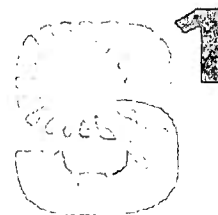
- Promote an *energy ethic* based on a realistic understanding of the social, economic and environmental impacts of energy production and use.

- Are based on US Department of Energy National Energy Education Development (NEED), The Union of Concerned Scientists, Power Schools Naturally and other effective, proven curricula.

- Provide practical information on how to be a smart and responsible energy user in NYC.

- Are adapted for the NYC education Standards.

- Are FREE



Solar One is located
along the East River
at E 23rd St. in
Stuyvesant Cove
Park, Manhattan.



PROFESSIONAL EDUCATION PROGRAM

professional education

Environmental education applies to more than just students. As such, Solar One has developed a continuing education program geared towards those who have the most influence about how energy conservation in the urban environment will move forward in the future – builders, developers, architects, designers, lawyers, etc. After surveying the landscape of continuing education classes, two specific areas of continuing education that would benefit from our program were identified: (i) the cost effectiveness of building green from a performance standards perspective and (ii) green construction as expressed by the very real example of Solar 1 at Stuyvesant Cove. The value added from these courses can be measured by their influence in the adoption of green building standards by developers and builders in NYC.

While the lament has been heard for decades that “Building Green” in an urban environment is cost prohibitive, it is far from the truth. In the first program, participants will gain a thorough understanding of the LEED System as designed by the U.S. Green Building Council. The LEED System indicates increasingly higher levels of environmental sustainability. This program will demonstrate how affordable housing can be achieved at the Silver level. Attendees will be given a detailed overview of sustainable practices as they relate to building systems, water efficiency, energy use, material and resource use and indoor air quality.

In the second program, participants will have the opportunity to study and fully understand high performance building systems used while discussing current issues regarding the environment, various energy sources, and renewable energy. An examination of the systems and lessons from Stuyvesant Cove Park, Solar 1, and the planned Solar 2 will cover topics including renewable energy, embodied energy levels, sustainable materials, passive heating and cooling

The facilitators are experts in their specific specialty and receive continuous training in the areas of building design and construction.



Inverters and systems in Solar 1

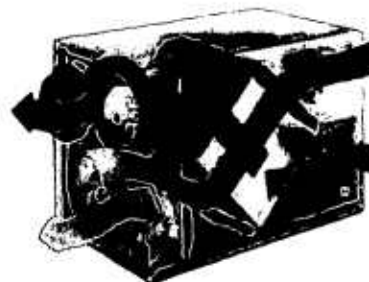


Diagram of a heat recovery ventilator



A lesson in insulation

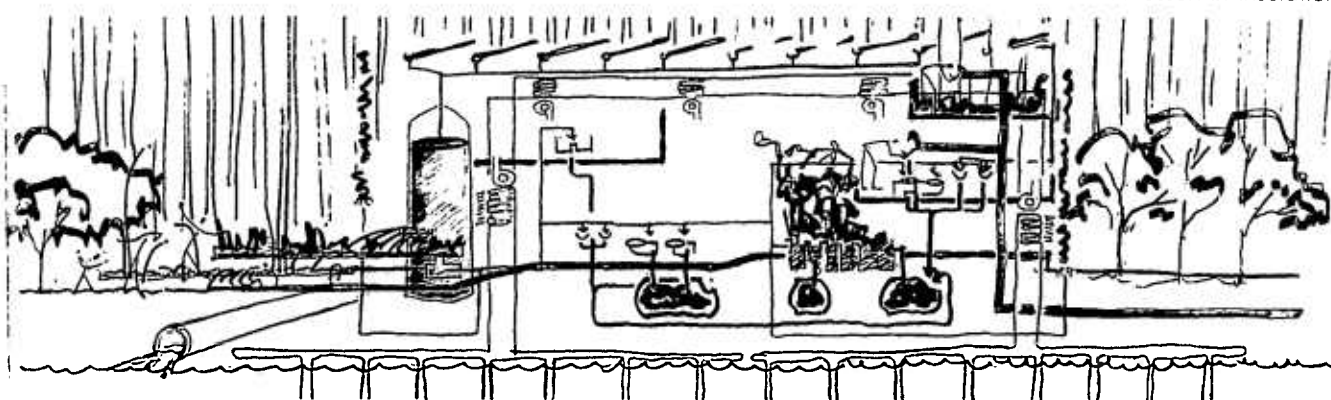


Diagram of greenbuilding features including solar roof, wastewater treatment and passive cooling



stats

24-20 FDR Drive Service Road East
New York, NY 10010
T 212.505.6050 F 212.253.2467
www.solar1.org

program partner: Community Environmental Center
workshop length: 3 hours
credits: 3 Learning Units (AIA)
health, safety, welfare (HSW) eligible?: Yes

Provider Program Summary

Provider Name: Community Environmental Center, Inc.

Program Title: Renewable – Sustainable - Solar

Length: 3 Hours **Credits:** 3 LU **HSW:** yes (yes/no)

Learning Objectives:

It has always been a dilemma to include renewable energy sources and energy efficient systems in construction projects while at the same time containing costs. With technology constantly improving and our level of knowledge increasing, this dilemma is quickly disappearing. It is indeed possible, and even desirable, to include renewable energy and energy efficient systems in all projects, whether new construction or renovations.

This course will examine green construction as is expressed in the Stuyvesant Cove Environmental Learning Center on the NYC waterfront. Participants will have the opportunity to study and fully understand the systems used in the Learning Center while discussing current issues regarding the environment, various energy sources, and renewable energy. An examination of the systems and lessons from Stuyvesant Cove Park and Solar 1 (the only stand-alone solar-powered classroom in New York), and the planned Solar 2 will give meaning to the terms renewable, sustainable, and solar.

At the conclusion of the program, participants will be able to:

Session 1

1. Describe and explain the systems that make Solar 1 an efficient building
 - a. Passive Solar Energy
 - b. Use of photovoltaic technology
 - c. Energy efficient systems
 - d. Sustainable materials

Session 2

2. Explain the systems involved and planning steps used to develop the next generation Environmental Learning Center, Solar 2.
 - a. Solar energy, passive and photovoltaic
 - b. Level of embodied energy in building materials (sustainable materials)
 - c. Energy efficient systems
 - d. Geo-thermal energy

Facilitator Qualifications:

All CES facilitators from the Community Environmental Center, Inc. have been trained on CES guidelines and presentation skills. All also are experts in their specific specialty and receive continuous training in the areas of building design and construction and the whole area of Energy Conservation and Sustainability.

Jonathan Cramer

Name

Qualifications

Method of Delivery:

This course will be delivered in a very Interactive Participation format. The formal direct instruction will be facilitated through a Power Point presentation. The instructor will encourage much discussion, with extensive question and answer periods to ensure that each participant is well versed in the topic.

Audio/Visual required:

Access to an electrical outlet and a screen are all that are required, as the instructor will provide his/her own laptop and projector for the Power Point presentation.

Cost to Participants: _____

Point of Contact:

Provider Program Summary

Provider Name: Community Environmental Center, Inc.

Program Title: Affordably Green in New York City

Length: 3 Hours **Credits:** 3 LU **HSW:** yes (yes/no)

Learning Objectives:

While the lament has been heard for decades that "Building Green" in an urban environment is cost prohibitive, it is far from the truth. For the high performance building developer, initial cost premiums can be as low as 1 – 2%. And, even though smaller projects may have increased premiums in the 5% range, the quality of life issues achieved are often considered an appropriate off set.

At the conclusion of this program the participants will have a thorough understanding of the LEED System as designed by the U.S. Green Building Council. The LEED System indicates increasingly higher levels of environmental sustainability. This program will demonstrate how affordable housing can be achieved at the Silver level. Also presented will be the related construction costs, and some potential savings.

In addition, each participant will be able to:

1. Understand Sustainable Sites and be able to address the importance of the concepts.
 - a. Alternative Transportation
 - b. Reduced Site Disturbance
 - c. Storm Water Management
 - d. Landscape & Exterior Design to reduce Heat Islands
 - e. Light Pollution Reduction
2. Clearly describe the importance of Water Efficiencies and describe specific measures that can be included in design/construction to conserve water.
 - a. Water Efficient Landscaping
 - b. Innovative Wastewater Technologies
 - c. Water Use Reduction
3. List ways in which the standards for Energy and Atmosphere can be applied in the building / renovating trades.
 - a. Heating and Domestic Hot Water
 - b. Heat Recovery
 - c. Building Envelope
 - d. Efficient Cooling Systems
 - e. Ozone Depletion

4. Explain the standards for Materials and Resources, describing ways to manage these in cost effective ways.
 - a. Building Reuse
 - b. Construction Waste Management
 - c. Recycled Content
 - d. Local/Regional Materials
 - e. Rapidly Renewable Materials
5. Identify the indicators of Indoor Environmental Quality and list ways to monitor and improve the Indoor Environmental Quality.
 - a. Carbon Dioxide Monitoring
 - b. Construction Indoor Air Quality Management Plan, during construction
 - c. Construction Indoor Air Quality Management Plan, before occupancy
 - d. Indoor Environmental Quality, low-emitting materials
 - e. Indoor Chemical & Pollutant Source Control
 - f. Controllability of Systems

Facilitator Qualifications:

All CES facilitators from the Community Environmental Center, Inc. have been trained on CES guidelines and presentation skills. All also are experts in their specific specialty and receive continuous training in the areas of building design and construction and the whole area of Energy Conservation and Sustainability.

Alexander T. MacFarlane

Name

Qualifications

Method of Delivery:

This course will be delivered in a very Interactive Participation format. The formal direct instruction will be facilitated through a Power Point presentation. The instructor will encourage much discussion, with extensive question and answer periods to ensure that each participant is well versed in the topic.

Audio/Visual required:

Access to an electrical outlet and a screen are all that are required, as the instructor will provide his/her own laptop and projector for the Power Point presentation.

Cost to Participants: _____

Point of Contact:

GREEN ARTS

SOLARone

GREEN ENERGY, ARTS & EDUCATION CENTER

green arts

In an effort to broaden the scope of environmentalism, Solar One has developed a unique program at that is the first of its kind in New York, if not the nation: "Green Arts" – The Bridge Between the Arts and Environmental Communities

At Solar One, we feel that environmental information can be presented without making people feel attacked or lectured to. Thus the concept of "Green Arts" emerged. "Green Arts" is a medium for artistic expression that makes sustainability an experience rather than just an abstract concept. It is a bridge toward understanding the importance of energy conservation. When a person is watching a performance or listening to a concert, they are much more receptive to learning about new or unique concepts. Using "Green Arts" we've harnessed the opportunity to teach people about energy conservation and urban sustainability without preaching at them. Arts performances at Stuyvesant Cove are powered by renewable energy, including the efforts of the artists themselves. Furthermore, we encourage artists who are performing here to present projects with an environmental focus or theme. For people who attend our "Green Arts" programs, environmentalism is an experience. Audiences are exposed to the arts and the environment in a new and engaging way that translates into educational efficacy for the public at large.

In the summer of 2004 we developed a trial arts program of dance, music and film. Based on our early success, we launched the first Solar-Powered Arts Festival™ from June through September 2005. The Festival featured a Film Series, a Dance Series and a Music Series. Each had a renewable component that enabled the audience to "experience" what it means to produce your own energy. Our Film Series featured independent films and included Q&As with the directors as well as two short student films that dealt with environmental issues. The Dance Series highlighted new and emerging choreographers, and the Music Series consisted of a variety of New York City musicians working in a multitude of genres. By the end of the summer, over 4,000 people had attended the Festival or one of our other performances.



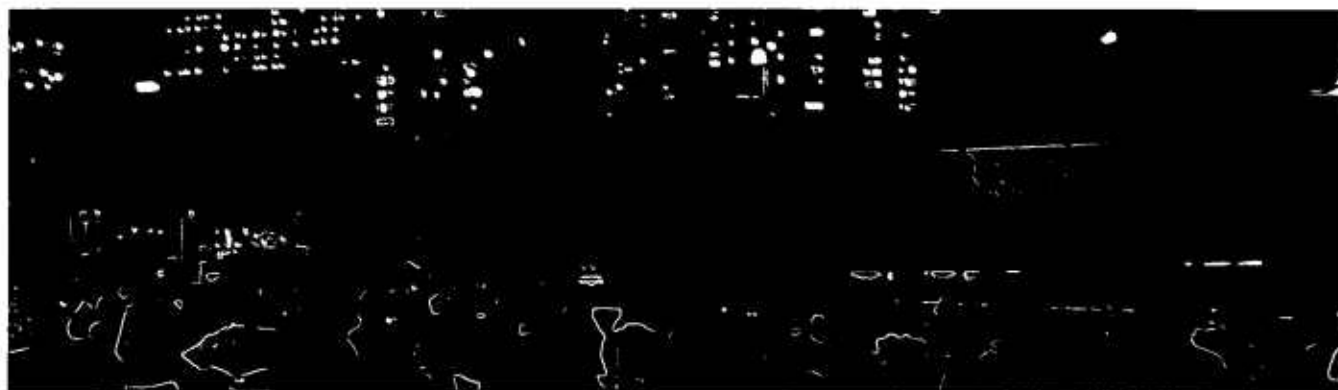
Handful Percussion



Dance Performance on the East River



Cultural Dance on the labyrinth



Opening Night at the Solar-Powered Film Festival



24-20 FDR Drive Service Road East
New York, NY 10010
T 212.505.6050
F 212.253.2467
www.solar1.org

stats

number of artists: 75+
partner organizations: P.S. 122, Mertz Gilmore Foundation
estimated 2005 attendance: 4,000

SOLARone

Summer 2005

CALENDAR OF EVENTS

AT STUYVESANT
COVE PARK



SOLARone

GREEN ENERGY, ARTS
& EDUCATION CENTER

www.solar1.org

JUNE

Saturday 11 Irish Set Dancing with instructor Linda Kiggins*
6-7pm, FREE
Rain Date: Sunday 12

Tuesday 14 Green Drinks
7 - 10pm, \$10 donation
New York's premier networking event for environmentalists and the "green-minded."

Thursday 16 Revelry By The River
5:30 - 9pm, \$75/ticket
Solar1's 1st Annual Fundraiser.
Call for more information.

Friday 17 Tiny Ninja Theater - Shakespeare's *Romeo & Juliet*
6:00pm, \$12
Reservations only: 212-505-6050
Acclaimed alt-puppeteer Dov Weinstein renders the world's most famous tale of unrequited love with wit, pathos and . . . Zounds! tiny, plastic toy ninja figurines. This one of a kind, one man show runs approximately 45 minutes, and is appropriate for a general audience.

Saturday 18 Elaine Summers' Invitation to Secret Dancers
12pm - workshop;
3pm - Children's Performance;

5&7pm - Regular Performances, all FREE
Performed in many places and countries by many people, Invitation to Secret Dancers is an improvisational dance choreographed by Elaine Summers that covertly transforms public spaces into artistic venues, and passive passersby into active participants.
Rain Date: Sunday 19

Saturday 18 Tiny Ninja Theater - Shakespeare's *Romeo & Juliet*
9:30pm, \$12
Reservations only: 212-505-6050
(See Friday 17)

Sunday 19 Tiny Ninja Theater - Shakespeare's *Romeo & Juliet*
8:30pm, \$12
Reservations only: 212-505-6050
(See Friday 17)

Thursday 23 Solar-Powered Film Series
8:45pm, \$6 (suggested donation)
This Land Is Your Land, Directors: Lori Cheatle and Daisy Wright (2004, 82 mins)
For more information, see back page.

Saturday 25 Elaine Summers' Invitation to Secret Dancers
Noon - workshop;

3pm - Children's Performance;
5&7pm - Regular Performances, all FREE
(See Saturday 18)
Rain Date: Sunday 26

Sunday 26 Amateur Radio Field Day
10am-2pm, FREE
Join The Steve Jacobson Memorial Amateur Radio Association as they harness solar power to broadcast live from Solar1 and communicate with other amateur radio aficionados from around the world.

Sunday 26 The Birdhouse Project
Directed by Andrea Olsen
12-1pm, FREE
Middlebury College students, faculty and alumni perform the Birdhouse Project, choreographed by Andrea Olsen. This piece is a ramble through the park with dance solos, duets and group pieces.

Monday 27 The Birdhouse Project
6pm & 7:30pm, FREE
(See Sunday 26)

Thursday 30 Solar-Powered Film Series
8:45pm, \$6 (suggested donation)
Screen Door Jesus, Director: Kirk Davis (2004, 118 mins).
See back page.

JULY

Thursday 7 Solar-Powered Film Series
8:45pm, \$6 (suggested donation)
Grey Gardens, Directors: Albert Maysles, David Maysles, Ellen Hovde, Muffie Meyer (1976, 94 mins), see back page.

Saturday 9 Ballroom/Social Dancing with instructor Larissa Malikhina
Trebunskaya of Ballroom on Fifth Dance Studio*
6-8pm, FREE
Rain Date: Sunday 10

Sunday 10 Instant Shakespeare - *The Life of Henry the Fifth*
1-3pm, FREE
In Shakespeare's day there was little time for rehearsal, and no directors as we know them today. Instant Shakespeare seeks to revive these traditions with an informal approach to The Bard's classic plays.

Thursday 14 Solar-Powered Film Series
8:45pm, \$6 (suggested donation)

Road Director: Leslie McCleave (2005, 92 mins), see back page.

Saturday 16 Bronx Academy of Arts and Dance
2:30pm, FREE
Dancers will perform a selection of pieces highlighting their repertoire.
Rain Date: Sunday 17

Thursday 21 Solar-Powered Film Series
8:45pm, \$6 (suggested donation)
Gotham Fish Tales, Director: Robert Maass (2005, 70 mins), see back page.

Saturday 23 Bronx Academy of Arts and Dance
12pm, FREE
(See Saturday 16)

Saturday 23 Folk Dancing led by Evelyn Diamond*
7-8pm, FREE
Rain Date: Sunday 24

Sunday 24 Steven H. Rosen Poetry Series*
2:30-4pm

Thursday 28 Solar-Powered Film Series
8:45pm, \$6 (suggested donation)
Mana - Beyond Belief, Directors: Peter ("Silverlake Life") Friedman & Roger Manley (2004, 92 mins), see back page.

Saturday 30 Garden Angel Volunteer Orientation for Stuyvesant Cove Park
10am
New and old volunteers welcome!

Sunday 31 Elaine Shipman - Ha
6-7pm, FREE
"Ha" is the Mayan word for water, and Ms. Shipman brings a water-themed dance performance featuring live music to the Solar1 stage.

*Denotes event sponsored by the Stuyvesant Cove Park Association

AUGUST

Saturday 6 Ballroom Social Dancing*
6-8pm, FREE

Instructor: Autumn Bear of Dance
Manhattan

Includes free Salsa lesson.

Rain Date: Sunday 7

Sunday 7 Instant Shakespeare -
The Tragedie of Cymbeline

1-3pm, FREE

In Shakespeare's day there was little time for rehearsal, and no directors as we know them today. Instant Shakespeare seeks to revive these traditions with an informal approach to The Bard's classic plays.

Saturday 13 Ballroom/Social Dancing*
6-8pm, FREE

Instructor: Evita Arce of Dance
Manhattan

Includes free Swing lesson.

Rain Date: Sunday 14

Sunday 14 A Mixed Recital by The
Rutkowski Trio & Friends

7:30pm, FREE

The Rutkowski Trio & Friends have performed from Long Island to West Virginia, and are now bringing a mix of Klezmer and Dixie Land to the Solar1 Stage.

Thursday 18 Solar-Powered Dance
Series - *Program A* (See side panel)

6:30pm, \$6 (suggested donation)

Rain Date: Sunday 21

Friday 19 Solar-Powered Dance Series
- *Program A* (See side panel)

6:30pm, \$6 (suggested donation)

Rain Date: Sunday 21

Saturday 20 Solar-Powered Dance
Series - *Program A* (See side panel)

6:30pm, \$6 (suggested donation)

Rain Date: Sunday 21

Thursday 25 Solar-Powered Dance
Series - *Program B* (See side panel)

6:30pm, \$6 (suggested donation)

Program B

Rain Date: Sunday 28

Friday 26 Solar-Powered Dance Series
- *Program B* (See side panel)

6:30pm, \$6 (suggested donation)

Rain Date: Sunday 28

Saturday 27 Solar-Powered Dance
Series - *Program B* (See side panel)

6:30pm, \$6 (suggested donation)

Rain Date: Sunday 28

The Solar-Powered Dance Series

Short programs by choreographers from an eclectic mix of new and emerging dance companies that work in a variety of styles, ranging from classical Indian to post-modern. This juried selection features dance pieces that are theatrical, energetic, and suitable for all ages.

Program A runs on August 18th, 19th, & 20th, at 6pm, and features:

MidGet Dance	MayDance
Tara Madsen	Adam Scher
Christopher Williams	INSPIRIT

Program B runs on August 25th, 26th, & 27th, at 6pm, and features:

Maxine Steinman	Isabella Bruno
Everything Smaller	Keila Cordova
Saba Dance Theater	Parul Shah

Be sure to see both programs!

SEPTEMBER

Thursday 8 Circus Amok
6pm, FREE

Free public art addressing contemporary issues of social justice to the people of New York City. Circus Amok brings a seventeen-act-in-59-minutes joyful extravaganza of acrobatic artistry, satiric skill, and good old-fashioned circus fun.

Saturday 10 Ballroom/Social Dancing*
6-8pm, FREE

Rain Date: Sunday 11

Sunday 11 Steven H. Rosen Poetry
Series*

2:30-4pm, FREE

Thursday 15 Solar-Powered Music
Series (See side panel)

6pm, \$6 (suggested donation)

Rain Date: Sunday 18

Friday 16 Solar-Powered Music Series
(See side panel)

6pm, \$6 (suggested donation)

Rain Date: Sunday 18

Saturday 17 Solar-Powered Music
Series (See side panel)

6pm, \$6 (suggested donation)

Rain Date: Sunday 18

Thursday 22 Solar-Powered Music
Series (See side panel)

6pm, \$6 (suggested donation)

Rain Date: Sunday 25

Friday 23 Solar-Powered Music Series
(See side panel)

6pm, \$6 (suggested donation)

Rain Date: Sunday 25

Saturday 24 Solar-Powered Music
Series (See side panel)

6pm, \$6 (suggested donation)

Rain Date: Sunday 25

The Solar-Powered Music Series will feature artists from a variety of genres, including music appropriate for children. The line-up is being finalized, so keep posted for details.

For current event information:

Visit www.solar1.org

Call (212) 505-6050

Check the weekly Round and About listings for specific program information.

Solar1 is dedicated to inspiring New Yorkers to become environmentally responsible urban residents. It embraces this mission through environmental science education, access to sustainable arts performances, energy conservation using its own solar-powered building as a prototype, and through other means to help New Yorkers develop a sense of stewardship for New York City, for themselves, and for their neighborhoods.

New York's first and only

SOLAR-POWERED ARTS FESTIVAL



FILM
June 23 - July 28



DANCE
August 18 - 27



MUSIC
September 15 - 24

FILM SERIES

Thursdays at 8:45 pm June 23 - July 28

June 23:

THIS LAND IS YOUR LAND

Directors: Lori Cheadle & Daisy Wright (2004, 82 mins)
Presented by Lori Cheadle & Daisy Wright

A thoroughly entertaining and determinedly funny look at how Americans -- across the country and from all walks of life -- rage against the corporate machine.

June 30:

SCREEN DOOR JESUS

Director: Kirk Davis (2004, 118 mins)
Presented by Kirk Davis

When an image of Jesus appears on Old Mother Harper's screen door, it's time to take sides, triggering an Altman-esque series of interrelated dramas that try the ideals, principles and stamina of a cast of eclectic characters in Bible Belt Bethlehem, TX (pop. 2,378).

July 7:

GREY GARDENS

Directors: Albert Maysles, David Maysles, Ellen Hovde, Muffie Meyer (1976, 94 mins)
Presented by Albert Maysles

Meet Big and Little Edie Beale — high society dropouts, mother and daughter, reclusive cousins of Jackie O. — thriving together amid the decay and disorder of their ramshackle East Hampton mansion. Five years after Gimme Shelter, the Maysles unveiled this impossibly intimate portrait of the unexpected, an eerie echo of the Kennedy Camelot.

July 14:

ROAD

Director: Leslie McCleave (2005, 92 mins)
Presented by Leslie McCleave

Margaret (Catherine Kellner), uses the latest government-supplied technology to survey environmental disaster areas. But the real toxicity in her life is her unresolved feeling for Jay (Ebon Moss-Bachrach), her unemployed ex-boyfriend, who has tagged along for the ride.

July 21:

GOTHAM FISH TALES

Director: Robert Maass (2005, 70 mins)
Presented By: Robert Maass

A hopeful, inspiring story of the dogged fishermen who ply New York City waters, from Hell's Gate to the shadow of the Statue of Liberty. Flying against the conventional wisdom, Gotham Fish Tales is a portrait of a highly utilized marine ecosystem pressed against the density of America's largest city and a fishery as vibrant and varied as the city itself.

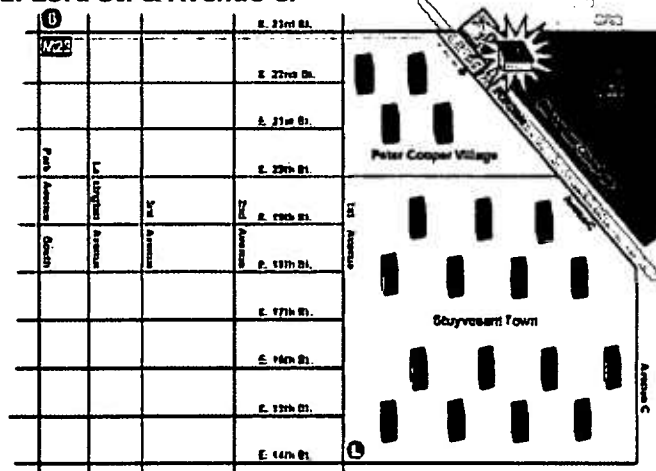
July 28:

MANA — BEYOND BELIEF

Directors: Peter ("Silverlake Life") Friedman & Roger Manley (2004, 92 mins)
Presented by Peter Friedman

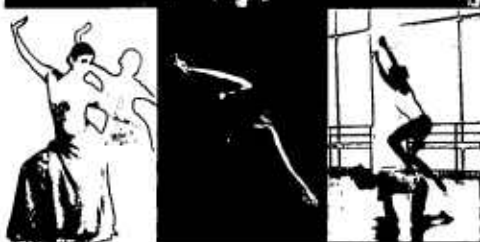
MANA (the Polynesian word for the power that resides in things) is a journey leading from a Navajo medicine man's mud-covered hogan to the eternity of space, from the most ancient of technologies to the most complex, from the concrete world of objects to the projected world of values, and from the individual's attempt to comprehend the secret powers surrounding him to the power our own minds give us to shape our experiences.

Solar One and Stuyvesant Cove Park are located on the East River, at the intersection of E. 23rd St. & Avenue C.



For more information call (212) 505-6050.

New York's first and only
**SOLAR-POWERED
ARTS FESTIVAL™**



FILM SERIES

Jun 23, 30

Jul 7, 14, 21, 28

DANCE SERIES

Aug 18-20, 25-27

MUSIC SERIES

Sep 15-17, 22-24

DANCE SERIES

All performances Th/Fr/Sa at 6pm

Featuring short programs by choreographers from an eclectic mix of new and emerging dance companies that work in a variety of styles, this juried selection features dance pieces that are theatrical, energetic, and suitable for all ages. All audio portions of the performances will be solar-powered.

August 18, 19, 20

Rain Date August 21

Featuring:

MidGetDance

MayDance

Keila Cordova

Adam Scher

Christopher Williams

INSPIRIT

August 25, 26, 27

Rain Date August 28

Featuring:

Maxine Steinman

Everything Smaller

Saba Dance Theater

Isabella Bruno

Tara Madsen

Parul Shah

\$6 suggested donation

Proceeds support Solar One's education and arts programs.

Funded in part by a grant from the Mertz Gilmore Foundation.

For info, visit www.Solar1.org or call 212.505.6050



SOLARONE

GREEN ENERGY, ARTS
& EDUCATION CENTER

In Stuyvesant Cove Park
at 23rd St & East River

To reach Solar One, take the 6 train to 23rd St,
the L train to 1st Ave, or the M23 cross-town bus
to Ave C. Continue east, crossing Ave C at 18th,
20th, or 23rd Sts, and walk under the FDR Dr
into Stuyvesant Cove Park.

New York's first and only

SOLAR-POWERED ARTS FESTIVAL

MUSIC SERIES

All performances Th/Fr/Sa at 6:30pm

Outdoor musical performances from a variety of New York City musicians working in a multitude of genres and styles and with all necessary electricity powered by the sun.

Sep 15 SUPHALA

Suphala uses the adaptability of the tabla to lead her band of musicians to integrate varied genres and create a rich, emotive, and spontaneous sound.

Sep 22 CIRCUS GUY

Having spent the past 3 years bringing the "simple sounds of rock and roll" to the Middle East to help promote solar energy, Circus Guy brings their sounds to Solar One.

Sep 16 ROMASHKA

Playing Gypsy music from Russia, Romania, and beyond, Romashka channels their musical energy to create an infectious gypsy dance party experience.

Sep 23 MUSICAL CHAIRS CHAMBER ENSEMBLE

MCCE is a consortium of high-caliber musicians dedicated to the craft of chamber music with wide-ranging presentations of classical and contemporary pieces.

Sep 17 GLOBAL PERCUSSION

Global Percussion play original percussion-based music influenced by beats from around the globe. The group has performed throughout the U.S.

Sep 24 INVERT

A unique string quartet drawn from diverse, eclectic musical backgrounds, Invert's members defy tradition by being firmly rooted in rock, jazz and world musics.

FILM SERIES

Jun 23, 30

Jul 7, 14, 21, 28

DANCE SERIES

Aug 18-20, 25-27

MUSIC SERIES

Sep 15-17, 22-24

\$6 suggested donation

Proceeds support Solar One's education and arts programs.

For info, visit www.Solar1.org or call 212.505.6050



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COMMUNITY HOUSING WORKSHOPS

community housing seminars

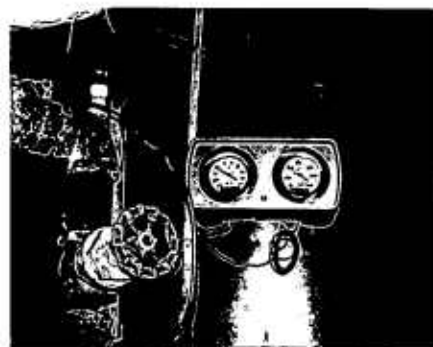
One of the largest inroads that can be made in energy efficiency and green design is in the housing sector, either in the upgrading of existing building or in the construction of new ones. With support from NYSERDA and other foundations in 2004, we conducted a series of four workshops held in May and June 2004 entitled "Energy Efficiency and Renewable Technology for New Construction and Gut Rehab." With the assistance of our partners, the Association for Neighborhood and Housing Development (ANHD) and Pratt Institute Center for Community and Environmental Development (PICCED), we had a turnout of representatives from more than fifteen professional organizations. The topics covered were as follows:

- Part 1: Green Building
- Part 2: Energy Efficient Design and Gut Rehab
- Part 3: Renewable Energy in Your Project
- Part 4: Financing

Each topic was broken down into smaller segments dealing with concepts such as energy efficiency, indoor air quality, heating distribution, building envelopes, windows and lighting, solar energy, fuel cells and tax incentives.

Feedback among the attendees was uniformly positive. During the workshops there were numerous active discussions as people brought up issues relevant to their buildings and compared experiences with implementing energy efficient technologies and other "green" measures. These workshops also contributed networking opportunities participation as the representatives of each organization got to meet others in their field and solicit and offer advice to others who regularly face similar situations.

Among the challenges facing these organizations are the relative newness of Green Design and the surrounding confusion over what qualifies as "green." All agreed that as the concept of building "green" catches on, and more financial incentives become available, there will be greater demand for workshops like these.



Outdated boilers waste energy



Conducting a building audit



Inventory of energy-saving products



A workshop session in progress



stats

24-20 FDR Drive Service Road East
New York, NY 10010
T 212.505.6050 F 212.253.2467
www.solar1.org

number of attending organizations: 15
partner organizations: Association of Neighborhood Housing Developers;
Pratt Institute Center for Community and Environmental Development

Energy Efficiency and Renewable Technology for New Construction and Gut Rehab May 4th, May 18th, June 1st, June 15th

Learn how to save money by implementing energy efficient and environmentally green measures into your new buildings and rehabilitation.

This 4-part series workshop will cover Green Building, Energy Efficient Design, Renewable and Alternative Energy Technologies, and Financing.

Who should attend: Community housing developers together with their architects and engineers interested in improving the environmental performance of their new construction or rehab project

Part 1: Green Building – May 4 – 10AM – 12N

You may have heard some of the buzz going around about “green buildings”. But what is a green building and why build green? This session will answer these questions and introduce participants to fundamental concepts of improving the environmental performance of projects, especially housing, in an urban context.

Part 2: Energy Efficient Design and Gut Rehab – May 18 – 10AM – 12N

HPD has adopted new energy efficient standards for their gut rehab specifications. CEC, who designed these standards for HPD will cover the different specification sections that were revised and show cost effectiveness of the energy efficient measures. In addition to gut rehab, CEC will discuss how these standards can also be utilized in the capital improvement plans. As a certified Energy Star partner and a member of the Building Performance Contractors Association, CEC will discuss Energy Star criteria for new housing developments.

Part 3: Renewable energy in your project – June 1 – 10AM – 12N

Energy efficiency is one of the most important aspects of a green building. This session will delve deeper into efficiency and renewable technologies appropriate for buildings in New York City.

Part 4: Financing – June 15 – 10AM – 12N

There are several State and Federal initiatives in support of environmentally friendly buildings. In this session, participants will learn about money and programs available to assist with a green project.

**Location: Stuyvesant Cove Leaning Center – New York, N.Y
(23 Street on the East River)**

Sponsored by Community Environmental Center (CEC), Association for Neighborhood and Housing Development (ANHD) and Pratt Institute Center for Community & Environmental Development (PICCED).

Made possible by Independence Community Bank and Astoria Federal Savings.



ASSOCIATION FOR
NEIGHBORHOOD
AND HOUSING
DEVELOPMENT, INC.



COMMUNITY ENVIRONMENTAL CENTER

A Not-for-Profit Professional Organization



picced

Pratt Institute Center for Community and Environmental Development

March 1, 2004

The Community Environmental Center, Inc., Association for Neighborhood and Housing Development and Pratt Institute Center for Community & Environmental Development are sponsoring a 4-part workshop geared at Non-for profit Community Housing Developers. This workshop will address energy efficiency measures, green building design and renewable energy sources for new construction and rehabilitation of existing buildings. The workshop is made possible by Independence Community Bank and Astoria Federal Savings.

Who should attend: Community housing developers with their architects and engineers interested in improving the environmental performance of their new construction or rehab project.

The workshop will be broken down into four sections, each approximately two hours in length. It will thoroughly cover the best practices, materials, technologies, and applications of these measures, as well as the cost-effectiveness and how they will improve the efficiency of the buildings. The series will be held at the Stuyvesant Cove Learning Center, which can accommodate approximately 35 participants in a session. There will be shuttle transportation utilizing hybrid cars provided by CEC from subway station to Stuyvesant Cove Learning Center. Repeat sessions can be offered if there is wide interest in the workshop. The sections will cover Green Building, Energy Efficient design, Renewable and Alternative Energy technology, and Financing.

1. *Green Building*

You may have heard some of the buzz going around about "green buildings". But what is a green building and why build green? This session will answer these questions and introduce participants to fundamental concepts of improving the environmental performance of projects, especially housing, in an urban context.

- Concepts of green design: energy efficiency, indoor air quality, local materials, storm water management, water efficiency and more...
- Introduction to the LEED (Leadership in Energy and Environmental Design) eco-label for buildings.
- Economics of green building – bottom-line pros and cons

2. *Energy Efficient Design and Gut Rehab*

This section will cover all standardized energy efficient gut rehab specifications designed by CEC for HPD. CEC will cover the different specification sections that were revised and show cost effectiveness of the energy efficient measures. We will discuss how this design can be utilized by NCG in their capital improvement plans. As a certified Energy Star partner and a member of the Building Performance Contractors Association, CEC will discuss Energy Star criteria for new housing developments. Specifications to be covered include:

- High efficient heating and distribution
- Building envelope improvements (cellulose insulation)
- Water measures (low-flow showerheads and faucet aerators)
- Energy efficient windows
- Lighting
- High efficiency gas heat
- Lighting, elevators and more.

3. *Renewable energy in your project*

Green building. This session will delve deeper into efficiency and renewable technologies appropriate for buildings in New York City.

- Solar electric and thermal generation.
- Fuel cells and micro turbines
- Building envelope improvements
- Geothermal heating and cooling

4. *Financing*

There are several State and Federal initiatives in support of environmentally friendly buildings. In this session, participants will learn about money and programs available to assist with a green project.

- NYSERDA's New Construction Program
- New York State Green building Tax Credit
- Federal incentives

Training Schedule – May 4, May 18, June 1, June 15, 2004

**Location: Stuyvesant Cove Learning Center
23rd Street on the East River**

Directions

STUYVESANT COVE PARK-23RD STREET AND THE EAST RIVER
6 train to 23rd Street and the M23 to Avenue C

To Register, Please call Gregory Gaskin at (718) 784-1444 x 137



ASSOCIATION FOR
NEIGHBORHOOD
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COMMUNITY ENVIRONMENTAL CENTER

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Pratt Institute Center for Community and Environmental Development

Green Building Materials and Methods

Laying the foundation:

Because concrete has a sizeable environmental impact, foundation systems that use less of it, such as **High Volume Fly Ash Concrete** can be used as a replacement. The worldwide manufacture of Portland cement accounts for 6 to 7% of the CO₂ that humans produce, adding the greenhouse gas equivalent of 330 million cars driving 12,500 miles per year.

However, Fly ash, a by-product of coal-fired power plants, can be used in concrete in high volume (displacing more than 25% of the cement) to create a stronger, more durable product and reduce concrete's environmental impact.

High Volume Fly Ash Concrete Less energy intensive manufacture Higher ultimate strength More durable Uses a waste by-product Less global warming gases created	Conventional Concrete Energy intensive manufacture Weaker ultimate strength Less durable Uses virgin materials only More global warming gases created
--	---

Having a well-insulated building envelope is crucial to creating an environmentally sound building. By minimizing heat transfer through the envelope, energy used to maintain the interior climate is similarly minimized, reducing both utility bills and the environmental costs of fossil fuel use.

Cellulose Insulation is made from recycled paper that is applied as either loose fill into attics and closed wall cavities or damp-sprayed into open wall cavities. Due to its recycled content and superior energy and acoustic performance, cellulose is a very environmentally-preferable product. Because of its method of installation, Cellulose seals all cavity spaces very effectively, greatly reducing air infiltration and sound transmission.

Cellulose Insulation High Recycled Content Not Harmful to Installer No Formaldehyde Binders Superior Acoustical Properties	Conventional Insulation Low Recycled Content Harmful to Installer Formaldehyde Binders Inferior Acoustical Properties
---	--

Lumber use can be reduced by employing **Optimum Value Engineering (OVE)** framing techniques, these result in lower material and labor costs and improved energy performance for the building. The lumber's wood fiber can also be used more efficiently with **Engineered Lumber**. Specify **FSC-Certified Wood** to ensure that sustainable forestry practices were used to harvest the wood or **Reclaimed Wood** can also be used for many applications.

The Forest Stewardship Council (FSC) defines forest stewardship in a set of global Principles and Criteria. These Principles and Criteria, which apply to all forests worldwide, ensure that FSC-endorsed forests are managed in an ecologically sound, socially responsible and economically viable manner.” Specific standards are set regionally, and they can vary widely depending on the type of forest and the decisions of the regional body.

Despite the variety, all of the FSC standards are significantly less damaging than the vast majority of contemporary logging operations. In order to be certified, landowners must devise explicit management plans for maintaining ecological balance and log only within the limits of the forests' ability to grow back. Certifying agencies conduct annual inspections and audits of timber shipments to ensure that these businesses honor the guidelines.

FSC-certified Forestry Enhances biodiversity & wildlife habitat Requires monitoring of forest health Respects Indigenous People's Rights Supports Community Relations and Workers' Rights	Non-FSC-certified Forestry Degrades habitat Leads to monoculture Permits massive clear-cuts Allows widespread pesticide use
---	--

Green Roof Systems for low-slope roofs protect the roof membrane, help control stormwater, and help green our built environment through rooftop plantings. Green roofs, which are more common in Europe, can detain over 50% of rainwater from a typical storm. Stormwater detention reduces the often high loads placed on storm sewers after a rainfall. This is a particularly attractive system in urban areas that have combined sewer overflow (CSO) events during heavy storms. Multilayered green roof systems are thicker than conventional roofs. Space must be allocated for the usual insulation and roofing membranes, and additional structural support is typically required to carry the extra dead load. A green roof includes drainage, geotextile, soil, and vegetation layers. A thick sod of native grasses interspersed with wildflowers can be a wonderful architectural element, also helping to reduce building heat gain and urban heat island effect. Plantings also absorb CO₂.

Other durable and energy efficient roof options include **Metal Roofing**—which is recyclable at the end of its life—and **Recycled Rubber Roofing**. Metal roofing, if properly installed, is highly durable and readily recyclable at the end of its useful life. The use of dissimilar metals for roofing, flashing, and fastening is not recommended because, in the presence of water, such metals are susceptible to galvanic corrosion. Metal is also a preferred material for roofs used in rainwater catchment systems. In northern climates, snow readily slides off metal roofs, avoiding the damage caused by ice dams.

Interior:

Flooring:

There are a number of commercially available options for flooring; some options are compared below:

Green Products	Conventional Products
Bamboo Flooring Mature fiber 3.5 to 7 years Reduces the need for virgin lumber	Hardwood Flooring Oak takes 120 years to grow to maturity Hardwood floors typically come from old-growth forests
Cork Flooring Made of Natural Ingredients Low Offgassing From Natural Oils Renewable and Biodegradable Long Lifespan	Vinyl Flooring Made of Synthetic Ingredients High Offgassing From Petroleum Distillates Non-Renewable and Non-Biodegradable Short Life Span
Natural Linoleum Made of Natural Ingredients Low Offgassing From Natural Oils Renewable and Biodegradable Long Life Span	Vinyl Flooring Made of Synthetic Ingredients Offgassing From Petroleum Distillates Production and Incineration Creates Dioxin Short Life Span
Recycled-Content Ceramic Tiles Less embodied energy Reuses a waste material	Conventional Ceramic Tiles More embodied energy Uses virgin materials

Paints:

Conventional paints contain a multitude of harmful chemicals and compounds that release into the atmosphere, affecting the health of people and the planet. These paints release Volatile Organic Compounds (VOCs), which are actually a class of carbon-based chemicals that have the capacity to rapidly evaporate. VOCs are responsible for the smells we associate with new paint and cause some people to get headaches. "Greener" paints contain fewer of these dangerous chemicals (such as formaldehyde, benzene, toluene, biocides, lead, and cadmium) while still providing very high performance paint qualities. "Green" paints are low-VOC, zero-VOC, recycled, or natural paints.

Product Comparisons

"Greener" Paints	Conventional Paints
Low/No VOC	High VOC
Less formaldehyde, fungicide, biocide	Formaldehyde, fungicide, biocide
Recycled	Virgin manufacture
Natural, plant-based	Petrochemical-based
Fewer odors	Strong odor

Windows:

Energy lost through inefficient windows, accounts for 9% of total residential energy consumption in the U.S. Because energy efficiency is a crucial component of sustainable design, the efficiency of a building's windows is a good indication of how green a building is.

High Performance Windows	Conventional Windows
Higher upfront cost and lower operating costs	Lower upfront cost and higher operating costs
Increased comfort in summer and winter	Less comfort in summer and winter
Potential to downsize or eliminate heating and cooling systems	Greater dependence on costly mechanical systems
Quieter rooms and less fading from UV light	High noise transmission and fabric fading



CITYSOL AND OTHER EVENTS

CitySol and other events

In addition to our function as a green energy, arts and education center, Solar One also serves an important purpose in the community as a meeting place and center for events, lectures, workshops and more. Over the past three years, Solar 1 and the blacktop area have played host to a wide array of uses including: lectures on topics such as global warming, the New York waterfront and horseshoe crabs; workshops on fishing, composting, plant life and green design; an author's series; poetry readings; dance lessons; musical performances; circuses; a City Council candidates debate; a press conference for the launch of a Green Building Competition with EPA Region 2 and the NYC Department of Environmental Protection; and our two most recent endeavors, CitySol and *The Green Renter*.

CitySol was an all-day event featuring a solar music party, a green power sign-up drive and an ecodesign market held on Saturday, October 1, 2005. Solar One was joined by o2nyc, Bright Power, Compact Impact and ConEd Solutions as cohosts of the event which brought over 500 people to Stuyvesant Cove Park to connect with eco-friendly products and services from 24 different vendors and companies while listening to music powered by our solar power and enjoying sustainably produced food and beverages. 30 people signed up for Green Power from ConEd Solutions, while NYSERDA sold 160 compact fluorescent light bulbs. Part festival, part sustainable product marketplace, CitySol was a big success that will lay the groundwork for future events that will strive to reach a broad array of people from all over the City.

Meanwhile, beginning October 18, Solar One will host a weekly series of informative lectures entitled *The Green Renter*. Living an eco-friendly lifestyle in the urban environment presents challenges, pitfalls and opportunities that are unique to our one of a kind city. Luckily, practical, effective choices abound in the Big Apple. Guest experts will speak about a range of pertinent subjects, like measuring your ecological footprint; electronics recycling; carbon-neutral electricity options; eco-friendly furnishings and products; green voting; the power of local purchasing, and more.



CitySol



City Council candidates debate



EPA Competition announcement



The CitySol green product marketplace



stats

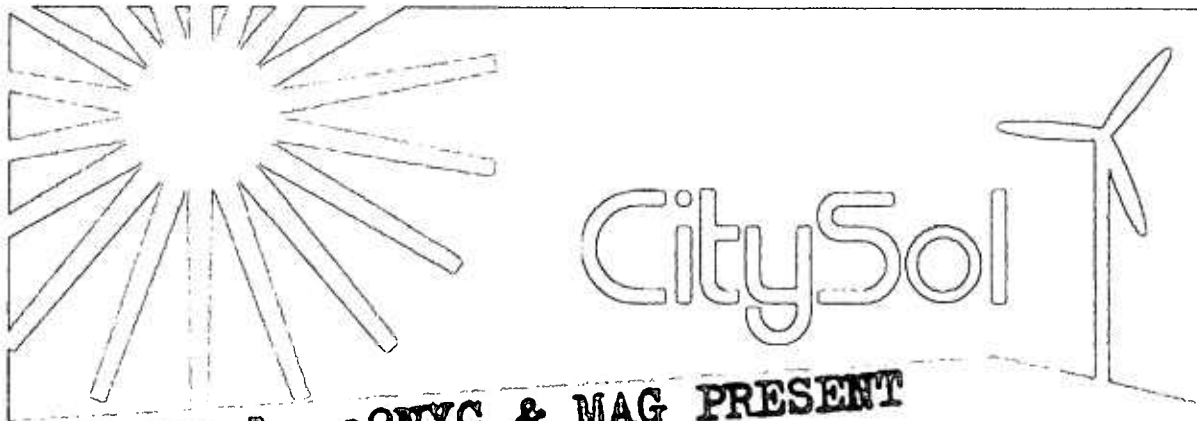
total events held: 100+
for CitySol

participating vendors: 24

green power drive sign-ups: 30

partner organizations: o2nyc, ConEd Solutions, Compact Impact, Bright Power, Brooklyn Brewery

24-20 FDR Drive Service Road East
New York, NY 10010
T 212.505.6050 F 212.253.2467
www.solar1.org



SOLAR 1, o2NYC & MAG PRESENT

OCTOBER 1, 1pm-7pm
at STUYVESANT COVE
(E. 23rd st. on the East River)

A FREE MUSIC EVENT

with: Matthias Heilbronn, Corey
 Baker, Cato, Marc-Alan Gray,
 Michael Hime, Romano Arcaini,
 Simon Gorette, Zenon Marko,
 & Red Robot

GREEN POWER DRIVE

CITYSOL & CONEDISON SOLUTIONS bring you
 NYC's 1st ever Green Power Sign Up Drive!
BRING AN ELECTRICITY BILL...
 sign up for green power ... **DRINK FREE**
BROOKLYN BREWERY BEER ALL DAY
+ RECEIVE FREE GREEN GOODS

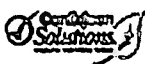
& GREEN PRODUCT FAIR

ORGANIZERS



BRIGHT POWER

SPONSORS

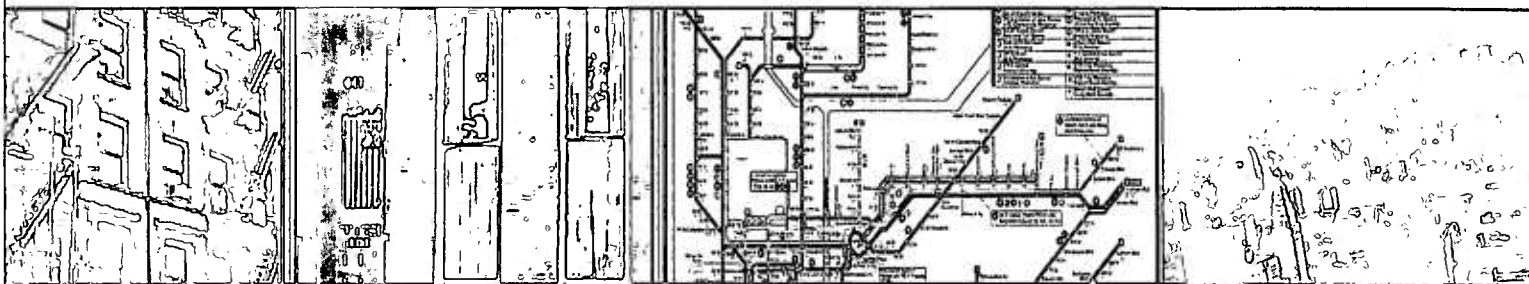


GREEN PRINTING



CONTACT: 212 505 6050; neidl@solar1.org

design by Rebecca Silver b3o2nyc.org



The Green Renter

Practical steps for
doing right by the Earth in
the world's greatest city.

A FREE WORKSHOP
SERIES
PRESENTED BY

SOLARone

Tuesdays, 7pm

Stuyvesant Cove Park
E. 23rd St and the East River
(East of the FDR Drive)

L Train to 1st Ave
6 Train to 23rd St.

For More Information Contact:
212 505 6050, neidl@solar1.org

10/18: MEASURING YOUR ECOLOG
FOOTPRINT

Chris Neidl, Solar One

10/25: COMMUNITY SUPPORTED
AGRICULTURE (CSA) IN NYC.

Paula Lukatz, Just Food

11/1: GREENING THE GRID:
BUYING WIND POWER FOR
YOUR APARTMENT.

Mike Forese, New Wind Energy

11/15: THE POWER OF LOCAL
PURCHASING.

Jen Roth, New York Industrial Retention
Network



SOI ARone

GREEN ENERGY, ARTS
& EDUCATION CENTER

EXHIBIT B

SAMPLE POSTCARD AND LIST OF PETITIONERS

FRONT



SOLARone

GREEN ENERGY, ARTS & EDUCATION CENTER

To: Governor George E. Pataki,
N.Y. State Public Service Commissioners:

I recently attended Solar One's Solar-Powered Arts Festival and received information about Solar 2, a fascinating plan to build New York State's first Environmental Museum and Learning Center. In a form true to our city and state's unique and dynamic spirit, Solar 2's net-zero energy design would serve as a built testament to the potential of ingenuity and innovation to address the most pressing environmental and resource challenges of our time.

New York should provide global leadership in the technical quest to achieve big city sustainability. I firmly believe that Solar 2 represents a powerful opportunity to initiate such a vision, and therefore urge the Public

Service Commission to support its programming and construction through the Systems Benefit Charge 3.

Sincerely,

Name: _____

Address: _____

E-Mail Address: _____

Phone (optional): _____

front: architect's rendering of Solar 2 (Kiss + Cathcart)

BACK

Solar One Petitioners List
Submitted to NYS Public Service Commission
October 17, 2005

Jamie Paquette Brooklyn, NY	Judy Kurzer New York, NY	Ben Brandow
Cynthia Ozersky	Maria Sepcich New York, NY	Steven Weinstein Brooklyn, NY
Marty Klien New York, NY	Sewell Chan New York, NY	Judy Cramer NYC, NY
Danielle Burger Astoria, NY	Mary Anne Eves Media, PA	Lawrence Frommer New York, NY
Robert Buchan	Max Joel Astoria, NY	John Napolitano New York, NY
Lawren McNulty Brooklyn, NY	Rich Lovejoy New York, NY	Leslie Roeder New York, NY
Abby Kelly Brooklyn, NY	Tina Carr New York, NY	Cynthia Fetty New York, NY
George Kokkinidiz Norwalk, CT	David Glickman	Liz Shea Brooklyn, NY
Kelly Steinlage Brooklyn, NY	Marco Carag Brooklyn, NY	Carola Burroughs Brooklyn, NY
Jeremy Davis	Emil Kozerawski	Vibe Clausen
Leon Erlanger New York, NY	Marvin Lipper New York, NY	Theresa Rodrigues Astoria, NY
Patty Arnold New York, NY	Bebeth Villacean	Stuart Chalen Long Island City, NY
Brian Conningham	Nastasha Cline-Thomas Scarsdale, NY	Peter Smith New York, NY
Ren Rukerich New York, NY	Trey Webster New York, NY	Brittany Pixton
Hilary Prager	Chirs Roddy	Nora Mandel
Tracey Minkin	Sue Oppenheimer	Franco Vega New York, NY
Kate Brinkerholff	Carol Kolinger Bayside, NY	Avi Silber
Tom Nonnon New York, NY	Elaine Herscher New York, NY	Bonnie Lane Webber New York, NY
Sheila Reenarn New York, NY	Hillary Exter	Slaney Ross

Sharon Shemesh
New York, NY

Rene Zaharkiu
New York, NY

Sara Toff

Kevin Byrne

Johnathan Martin
New York, NY

Alex Marks
Brooklyn, NY

Blake Hunnewell
New York, NY

Bos Vitrwe
New York, NY

Kevin Bakry
New York, NY

Veronica Cordina
New York, NY

Benjamin Persky
Brooklyn, NY

D Knutson

Anne Bussen

Lois Stunm
New York, NY

Raymond Scharin
New York, NY

Matt Sharp
Brooklyn, NY

Elisa Goldberg
New York, NY

Beth Lombodih
New York, NY

Peggy Kelly
Brooklyn, NY

Laila Thatbet
New York, NY

Harriet Ater
New York, NY

Susie Tofte

Hans Kulleseid
Brooklyn, NY

Brian Sabbats
New York, NY

Dorothy Rubinovitz
New York, NY

Laura Morris

David Cook
New York, NY

Marcella Durand

Sarina Armin

Tamir Novotny

Greg Stephe

Beverly Abebogun
New York, NY

Clint Phippi
Brooklyn, NY

Hans & Gloria Gesell
Englewood Cliffs, NJ

Amy Harns
New York, NY

Don Dodelsson
New York, NY

Anthony Obilade
Brooklyn, NY

JoAnn Fynke
New York, NY

Julie Lawrence

Noah Sharipo
New York, NY

Dov Nowak

Michael Ginaulh
New York, NY

WPM Gonzalez
Brooklyn, NY

Becky Potts
New York, NY

Matt Vituwe
New York, NY

Towog Dino

Elaine Shipman
New York, NY

Beth Gibbons
Philadelphia, PA

Joanna Mckenzie

Jennifer Mandez

Jackie Hinsly
South Orange, NJ

Denise Lalandi
Brooklyn, NY

Dave Nimmons
Brooklyn, NY

Ken Cerniglia
New York, NY

Herb Silver
New York, NY

Jazm Pocusrs
Brooklyn, NY

Peter Schmitz
Brooklyn, NY

Sean Hokins Blairstown, NJ	Ben Brouwer Lopez Island, WA	Kathleen Kelly
Pamela Vail Lancaster, PA	Julia Basso Marlton, NJ	Amy Chavasse Brandson, VT
Lisa Gonzales Lancaster, PA	Jennifer Kayle Lancaster, PA	Ian Umeda
Tina Lois	Wendy Frank	Barbara Ann
David Scouk	Jon Guson New York, NY	Allison Prete Brooklyn, NY
L Reilly Fleischmanns, NY	Hana Daskaaki	Hellen Gallagher New York, NY
Anne Meronans New York, NY	Kevin Cluppondo	Jane Borkon New York, NY
Frances Gallo New York, NY	Joseph Rutkowski New York, NY	Nicolette Strauss New York, NY
Dennis Gawrys New York, NY	Irene Aizstraits New York, NY	Ruthy Effler New York, NY
Anne Emerman New York, NY	Anne Ferril New York, NY	Philip Mccaffrey New York, NY
Betty Sheardson New York, NY	Patricia Marrin New York, NY	Kevin Chuapodos
Jane Borkow	Ashley Evan	Arthur Epspen New York, NY
Matthew Monzon New York, NY	Allan Yashn New York, NY	Stephen Braswell Brooklyn, NY
Marisa Monzon Arcata, CA	Lisa Jeallimzc New York, NY	Arnold Horton New York, NY
M Orracia Roosevelt Island, NY	Esther Scheciltman New York, NY	Elileen Hughes Pelham, NY
B.E Spandoff New York, NY	Rochelle Blank Fairlawn, NJ	Kimberly Huntington New York, NY
Leda Scheintaub New York, NY	Hsing Wei	Henry Beer New York, NY
Douglas Perre New York, NY	Joan Fitzgerald New York, NY	Abby Linne Brooklyn, NY
Grant Captianian New York, NY	Lori Hatem Kew Gardens, NY	Ruth Powell New York, NY
James New York, NY	Ralph Beate	Jeffrey Nelson New York, NY

Alisan Lew Brooklyn, NY	Wonovan New York, NY	Harriet Alter New York, NY
Rena Cohen NY, NY	Charles Vereen Bronx, NY	Spencer Aste New York, NY
Barbara Gilbert Brooklyn, NY	David Juham	Jimbo Blachly New York, NY
Sam Slous New York, NY	Anand Ramaswomy	Rosela Moseng Brooklyn, NY
Jacquelyn Moorad New York, NY	Carolyn Hsu Brooklyn, NY	Jason Meyer New York, NY
Triay Tere New York, NY	Dave Cohen New York, NY	Rebecca Joy New York, NY
Guorgo Nelson New York, NY	Juliet Dickey New York, NY	Elizabeth Johnson Brooklyn, NY
John Zweibel Miami, FL	Marcy Einhorn New York, NY	Elizabeth Panzer New York, NY
Christine Resta New York, NY	Robert Gordon New York, NY	Betsy Brody New York, NY
Allison Russell New York, NY	Ben Davis New York, NY	David Covell New York, NY
Terry Wittenberg Oak Park, IL	Todd Hartnett Oakland, CA	Bernice Hartnett Marblehead, MA
Sandra Blank New York, NY	Howard Frank Yorktown, NY	Johannes Familton New York, NY
Lynn Vaag New York, NY	Lauren Panzo New York, NY	Susan Brennun New York, NY
Victoria Gershik Brooklyn, NY	Simion Ostrorsky Brooklyn, NY	Juliet Gamarci Brooklyn, NY
Shawne Cooper New York, NY	Diana Bronshteyn Brooklyn, NY	Phillip Wilk New York, NY
Gregor Tsuker	Carol Cherry Larchmont, NY	Eric Hurst New York, NY
Robert Monica Brooklyn, NY	Sara Fink New York, NY	Marie Lunau New Milford, NJ
Warren Chow New York, NY	Bajir Cannon Brooklyn, NY	Myra Batchelder New York, NY
Charlie Kraybill Bronx, NY	JoAnn Polise NY, NY	Michael Dupin New York, NY
Nicola Majocchi New York, NY	Caitlin Harris New York, NY	Isabelle Edwards Los Angeles, CA

Alice Hartley
Brooklyn, NY

Jon Bxanew
Brooklyn, NY

Ana Radoric

Miriam Applebaum
New York, NY

Carlos Garica
Coral Gables, FL

Vasu Panicker
New York, NY

Bill Roundy
Brooklyn, NY

Tom Bently
New York, NY

Barbara Garcia
Coral Gables, FL

Nelly Mercer
Jamaica, NY

Kristin Taylor
New York, NY

W.T. Chan
New York, NY

Ines Graham
New York, NY

Jeanne Harroo
New York, NY

Helen Flanagan
New York, NY

Maureen Flynn-Hart
Kansas City, MO

Rachel Fershleiser
New York, NY

Bryan Dailey
Brooklyn, NY

Erik Brown
New York, NY

Aaron O'Connor
Brooklyn, NY

Aika Nakashima
New York, NY

Brenda Withers
Astoria, NY

Caleb Cliff
Brooklyn, NY

Jolene Poydar
Brooklyn, NY

Muir
Brooklyn, NY

Jennifer Glenn

Lula Blackwell
Brooklyn, NY

Matthew Dilvancesco
Brooklyn, NY

K Diggan
New York, NY

Gerald Charles
New Rochelle, NY

Roderick George
Purchase, NY

Agatha Scauzzo
New York, NY

Akemi Tomizawa
New York, NY

Mary George
Brooklyn, NY

Aime Vipond
New York, NY

Cordelia Persen
New York, NY

Marvin Hidalgo
Hollis Hills, NY

Samina Iqbal
New York, NY

Bradley Goodman
New York, NY

Donald Dodelson
Long Island City, NY

Elizabeth Nelson
New York, NY

Marc Balgavy
Brooklyn, NY

Peter Collins
New York, NY

Ethelena Persons
Brooklyn, NY

David Geccos
New York, NY

Angela Campijott
Brooklyn, NY

Cassandra Kassell
New York, NY

Oliver Kramer
New York, NY

Joanne Canary
East Hampton, NY

Thania Acaron
Brooklyn, NY

Helen Wade
New York, NY

Ken Graham
New York, NY

Rose Picariello
New York, NY

Clara Fay
New York, NY

Esta Samiljan
New York, NY

F Kennedy
New York, NY

Geoff Hockert
New York, NY

Irene Boland
New York, NY

Ernest Matsukawa
New York, NY

Susana Rodriguez
New York, NY

Michelle DeBlasi
Jersey City, NJ

Wendy Talavico
Irvington, NY

Maxine Siegel
New York, NY

Dawn Ford
New York, NY

Dina Fragale
New York, NY

Ana Huertos
New York, NY

Vasso Kampiti
New York, NY

Amy Ryan
New York, NY

Lodge Kerrigan
New York, NY

Jane Kopelman
New Windsor, NY

Rob Kaarto
Branchville, NJ

Isaac Amham
New York, NY

Lawrence Schyer
New York, NY

Yuko Inayaki
Brooklyn, NY

Tenzin Grand-Morrow
New York, NY

Neil Daly
Astoria, NY

Greg Masters
New York, NY

Michelle Blum
New York, NY

James Bell
Brooklyn, NY

Kyle McCabe
Brooklyn, NY

D Mossa
New York, NY

Melissa Wild
Brooklyn, NY

Vivian Logan
New York, NY

Sandra Seymour
New York, NY

Todd Tarhon
New York, NY

David Schmidlopp
New York, NY

Celine Ruben-Salama
New York, NY

Eddie Mullins
Brooklyn, NY

Carol Isaacman
New York, NY

Heath Allen
New York, NY

Adam Lippman
Westport, CT

James Conklin
Valley Cottage, NY

Suzanne Carlsen
Toronto, ON

Catherine Gund
New York, NY

B Morrow
New York, NY

Ross Guberman
Brooklyn, NY

Gary Winter
Brooklyn, NY

Kimberly Engber
Long Island City, NY

Nicole Williams
New York, NY

Daniela Erle
Brooklyn, NY

Peter Talavico
Irvington, NY

Aurora Ocampo
New York, NY

Arthur Silverman
New York, NY

Josh Wheaton
New York, NY

Susan Robins
New York, NY

P Ehlen
Brooklyn, NY

Sara Rothstein
Brooklyn, NY

Katherine Pangaro
Brooklyn, NY

Heidi Reinberg
Brooklyn, NY

T Maniaci
Brooklyn, NY

A Lelievre
New York, NY

Dorothy Jeffries
New York, NY

Kate Brokaw
New York, NY

Curt Shepard
New York, NY

Melissa Meeca
Brooklyn, NY

Ebon Moss-Bachrach
Brooklyn, NY

Hieu Trinh
New York, NY

Elisa Zazzera
New York, NY

Jeff Schiller
New York, NY

Betsy Mpartland
New York, NY

Margaret Cummins
New York, NY

Kira Moskalionova
Brooklyn, NY

Alex Zhormitskiy
Brooklyn, NY

Aaron Kenedi
New York, NY

Irene Shea
New York, NY

Margaret Kubek
New York, NY

Kurt Christenson
New York, NY

N Lane
New York, NY

Lucian Wielopolski
Ridge, NY

Michele Anoroso
Flushing, NY

Jennifer Weiss
New York, NY

Stella Strombolis
New York, NY

Daniel Hobbs
New York, NY

James Burtis
Hastings, NY

Carla Aspenberg
New York, NY

Alex Johnson
Brooklyn, NY

Stephanie Herman
New York, NY

Jeff McHugh
New York, NY

Angie Gatti
New York, NY

Todd Zwigard
New York, NY

Mark Danser
Kew Gardens, NY

Carla Grillman
New York, NY

Marco Williamson
Bronx, NY

Sam Burtis
Hastings, NY

Belinda Hakanssan
Brooklyn, NY

Jamie Bixby
New York, NY

Diana Zuluaga
New York, NY

Kristina Nilsson
New York, NY

Kaya Wielopolski
Astoria, NY

Phyllis Eisner
New York, NY

Netta Cocos
New York, NY

Dolores Kestler
New York, NY

Lillian Filmbru
New York, NY

James
New York, NY

Barb Vali
New York, NY

Jeremy Avnet
New York, NY

Shannon Holman
Brooklyn, NY

Daniel Bobek
Long Beach, NY

Dan Raphael
Brooklyn, NY

Marianna Orensliteyn
New York, NY

Matthew Fischesser
New York, NY

Franco Marinaro
Brooklyn, NY

Beth Kaiser
New York, NY

Lily Maass

Amylin Loglisci
Brooklyn, NY

Darcey Levendis
New York, NY

Andrea Keefe
Brooklyn, NY

S Parker
New York, NY

Heather Oakley
Brooklyn, NY

Amanda Kopf
New York, NY

Christian Lahoude
New York, NY

Julie Spooner
New York, NY

Robert Foster
Hoboken, NJ

PAula Wright
Brooklyn, NY

Frederico Meyer
New York, NY

G Magerl
New York, NY

Givenno James
New York, NY

Andrea Hessel
New York, NY

Ary Bobron
Brooklyn, NY

Masa Hosojima
New York, NY

Erik Buichi Sao Paulo,	Glenn Gatti New York, NY	Onur Gucukoglu Brooklyn, NY
Nick Diminno Brooklyn, NY	Elizabeth Uoder New York, NY	M Leytes
Linda Summers New York, NY	Patrick McShane Fresh Meadows, NY	Josh Moise Brooklyn, NY
Parvez Sharma New York, NY	Peter Friedman New York, NY	Long Island City, NY
Elisa Zazzera NYC, NY	Susan Zwirn New York, NY	Lauren Snelling New York, NY
Adam Ristow New York, NY	Jayn Panicker New York, NY	Rema Venu New York, NY
Jawb Robinson Brooklyn, NY	Dave Duran New York, NY	Joshua Moskovitz Brooklyn, NY
Veronica Carnero Brooklyn, NY	Amara Smith Brooklyn, NY	Amy Jordan New York, NY
Alicia Murphy Forest Hills, NY	Jeff Crumrine Brooklyn, NY	Alum Phillips New York, NY
Brooke Phillips New York, NY	Molly Merkler Brooklyn, NY	Jordan Marinov Astoria, NY
Joe Ryan Brooklyn, NY	Sarah Robinson Brooklyn, NY	Nick Scott Brooklyn, NY
Dana Iovacchini Hana, HI	Isabella Bruno New York, NY	Van Scott Brooklyn, NY
Monica Clark Brooklyn, NY	Douglas Dunn New York, NY	Erin Pride Paterson, NJ
Caroline Banks Lyndhurst, NJ	Joan Coddington New York, NY	Andy Mayberry New York, NY
Linda Diamond New York, NY	Jessica Schein New York, NY	Ronah Sadan Jersey City, NJ
Hagar Sadan Jersey City, NJ	Josh Saltzman Jersey City, NJ	Ann Marie Salmon New York, NY
Eliza Axelson-Chidsey Brooklyn, NY	Josh Heitler Hastings, NY	Carl Martinez New York, NY
Lee Muslin New York, NY	Ali Linthicum Brooklyn, NY	L. Ortiz Brooklyn, NY
J. Wright Cooper Station, NY	Flannery Houston New York, NY	Lynne Schlesinger Yonkers, NY
Mana Adler New York, NY	Xl. Moyer East Rockaway, NY	Jon Meyer East Rockaway, NY

Addy	Arthur Nay New York, NY	Corey Gosselin Astoria, NY
Christie Zummo Wheatley Heights, NY	Alex Sikoscow Scarsdale, NY	Michael Meade Brooklyn, NY
Allison Meade Brooklyn, NY	Keri Marcovici New York, NY	Jene Youtt New York, NY
Baraka de Soleil Brooklyn, NY	Delano Jn-Pierre Brooklyn, NY	Kyle Pitts New York, NY
Dennis Gault New York, NY	Yachiyo Gault New York, NY	Lainie Dalby New York, NY
Cecilia Lam New York, NY	Ashley Benninghoff New York, NY	Patty Montesi Jersey City, NJ
Jeanette B. Nyabu New York, NY	Gia Neswald Brooklyn, NY	Brenda Sanders-Garrett Brooklyn, NY
Rebecca Stemton New York, NY	Peter Adrian Brooklyn, NY	S. L. Schwartz New York, NY
Joselyn Matos Sunnyside, NY	Karie Kinchelse New York, NY	D. Ashworth New York, NY
Constance Jackson Brooklyn, NY	Leah Moskowitz Brooklyn, NY	L. Bolitzen New York, NY
Nolini Barretto New York, NY	Tanya Rullan Bronx, NY	Kathy Feuerstein New York, NY
Karen Coughlin New York, NY	Allen Lun Brooklyn, NY	Laurie La Rose Brooklyn, NY
Jade Eshete Brooklyn, NY	Kyl Goodman New York, NY	Iris Elentuch New York, NY
Eri Miyushita Astoria, NY	Tereska Carmona Jamaica, NY	Beth Katz New York, NY
Tamar Rogoff New York, NY	Matthew David New York, NY	Marie Hanners Whitestone, NY
Sarah Brodsky Brooklyn, NY	Maki Miyata New York, NY	Chia Kao Long Island City, NY
Doug Post Bernardsville, NJ	Vicly Shick New York, NY	Paddington Zwignd New York, NY
Bauj Sucow New York, NY	Deana Aeheson Brooklyn, NY	Jennifer Lafferty New York, NY
Beth Simons New York, NY	Maura Sheerin New York, NY	Mary Moran Brooklyn, NY
May Page New York, NY	Adam Scher New York, NY	Pascal Rekoert New York, NY

Kate Atherton
Brooklyn, NY

Christal Brown
Bronx, NY

Jill Slater
New York, NY

Brian Hires
Brooklyn, NY

Bernard Rosenblatt
Flushing, NY

Maya Agarwal
New York, NY

March Chadwick
New York, NY

Leslie Torre
Sunnyside, NY

Kurt Conklin
Woodside, NY

Jennifer Hernandez
Yonkers, NY

Keisha Jacob
New York, NY

A. Natarajan
New York, NY

Evan Humphreys
Hampton Bays, NY

Irena Janounas
Richmond Hill, NY

Sumanth Swaminathan
Ambler, PA

Helen Thompson
New York, NY

Ande Johnson
Dallas, TX

A Shah
New York, NY

Jennifer Green
Brooklyn, NY

Mary Lamboy
New York, NY

Lindsay Fisher
New York, NY

Paloma McGregor
Brooklyn, NY

Rory O'Flaherty
New York, NY

Rosi Rosenblatt
New York, NY

Tim Rhone
New York, NY

Michael Kulp
New York, NY

Mary Seele
New York, NY

Ruth Liao
Elmhurst, NY

Sandra Comacho
New York, NY

Charlene Gordon
New York, NY

DeWayne Jolly
New York, NY

Matthew Monzon
New York, NY

Kelly Webb
Water Mill, NY

Trac Vu
Brooklyn, NY

Sally Brodsky
Brooklyn, NY

Pichit Elumaviama
New York, NY

Brooke Bender
New York, NY

Jennifer Axsom
Brooklyn, NY

Michael McWash
New York, NY

Megan Beene
Brooklyn, NY

Doris Stoeffel
New York, NY

Charlie Garb
New York, NY

Jennifer Daly
Brooklyn, NY

Ruth Rosenblatt
New York, NY

Steve Muzzy
Brooklyn, NY

Karen Sivigwp
New York, NY

Brendan Mack
Brooklyn, NY

Teresa Kelly
Brooklyn, NY

Miriam Price

Vivian Garcia
Bronx, NY

Beverly King
Queens Village, NY

Amit Sur
Flushing, NY

Andrew Feinman
Brooklyn, NY

Kate Callaghan
New York, NY

Kati Glockenberg
Port Chester, NY

Kate Laughlin
Brooklyn, NY

Colin Cathcart
New York, NY

Warren Adler
Brooklyn, NY

Rochelle Gandour
New York, NY

Will Rayfield
Plainboro, NJ

Jonna Guy
New York, NY

Sofia Dumery
Brooklyn, NY

Nida Rehman
Brooklyn, NY

Samson Baker
New York, NY

Emily Hostetter
Arlington, VA

Siami Prasad
New York, NY

Deepa Jain
New York, NY

Maggie Dreher
New York, NY

Dave Friedrich
East Meadow, NY

Yula Kapetanacos
Brooklyn, NY

John Rowden
New York, NY

Allison Chamberlain
Yonkers, NY

Phil Baumgartner
New York, NY

Mark Hodson
Brooklyn, NY

Clayton Shefer
Ulster Park, NY

Tom & Barbara Madsen
Sussex, NJ

Eve Baron
Brooklyn, NY

Lisa Kersavage
Brooklyn, NY

Keila Cordova
Brooklyn, NY

Kate Zidar
Brooklyn, NY

V Swamirahtam
Ambler, PA

Evan Allen
New York, NY

Fanny Sosenkle
New York, NY

Aditi Dhruv

Ausitn Dixon
New York, NY

Cris Chinel
New York, NY

Rujnta Vaidya
Dumont, NJ

Robert Frentlya
New York, NY

Erik Brown
New York, NY

Katherine Gogel
Weston, MA

Ross Besheer

Jeannine Delgado
Newburgh, NY

Gail Amurao
Forest Hills, NY

Elise Merron
New York, NY

Liz Kulak
Kenmore, NY

Matt Butter
Highland Falls, NY

Lauren Gropper
Brooklyn, NY

Ray McKinney
New York, NY

A McMahon
Brooklyn, NY

Mahommad Vandal
Parsipany, NJ

Eric Todor
Rego Park, NY

Austin Alexis
New York, NY

Jessica Slaven
Brooklyn, NY

Kristin Hough
Ventura, CA

Padmim Dedhca
White Plains, NY

Karen Sharma
Jersey City, NJ

Giselle King
Brooklyn, NY

Reena Shah
New York, NY

Lauren McNulty
Brooklyn, NY

Natalie Desch
New York, NY

Dean Wartell
, NY

Lynette Hatton
Brooklyn, NY

Joel Johna
Brooklyn, NY

Sam Marks
Brooklyn, NY

Garry Jackson
Buffalo, NY

Dena Zamore
Brooklyn, NY

Anne Nyburg
New York, NY

Naoko Morita
Astoria, NY

Karlee Yurek
Brooklyn, NY

Pearl Fulton
New York, NY

Hanna Cohen
New York, NY

Ildi Mfirshall
New York, NY

Denis Golden
New York, NY

Larry Baumwall
Coconut Creek, FL

Andrew Romay
New York, NY

Maxim Forman
New York, NY

Anita Gillette
New York, NY

Erika Hecht
New York, NY

Sylvia Mendel
New York, NY

Tomas Veszi
Brooklyn, NY

Adina Calugaru
New York, NY

Phillip Wanell
Brooklyn, NY

Rose Groccia
Brooklyn, NY

Aswia Rabbani
New York, NY

Shawyn Aield
Staten Island, NY

Thomas Ray

Nicholas Blailrie

Jud Plenauer
New York, NY

DD Dorvillier
Brooklyn, NY

Julien Lafond
New York, NY

Joyce Ivanovitch
New York, NY

Susie Gantz

Susan Fischer
New York, NY

M Gersch
New York, NY

Jennifer Blaikie
New York, NY

Marika Barnett
Stow, MA

Eva Cooper
New York, NY

Ray Hoey
New York, NY

Wendy Talarico
Irvington, NY

Norman NadsI
New York, NY

Couglicro Cynthia
New York, NY

Dean Wartell
Port Jefferson Station, NY

Giselle King
Brooklyn, NY

Purvi Shah
Brooklyn, NY

Elaine Shyman
New York, NY

Sajida Vandal
Lahore, PK

Tutzp Martou
New York, NY

Bernice Haase-Lask
New York, NY

Sylvia Horsenglin
New York, NY

Gerald Sertz
New York, NY

Elida Doleo
Bloomfield, NJ

Dayna Navaro
New York, NY

IrexI Tar
New York, NY

Laura Baumwall
Seattle, WA

Larry Robbins
New York, NY

Susan Chamey
New York, NY

Joan Rowler
New York, NY

Suzanne Nash
New York, NY

Allison & Chris Macaninch
New York, NY

Nicholas Blaikie
New York, NY

Elise Merron
New York, NY

Rose Nerzges
Brooklyn, NY

Kristin Hough
Ventura, CA

Ryan Colleary

Colin Cathcart
New York, NY

Kelly Webb
Watermill, NY

Mandle Laup
New York, NY

Umit T-sirt
New York, NY

Mara Haseltire
Brooklyn, NY

Anne H-Van Inger
New York, NY

Karen Ansis
New York, NY

Barbara Liss
New York, NY

Thomas Eccardt
New York, NY

Lisa Shapiro
New York, NY

John Morrow
Brooklyn, NY

James Papiano
Middleburg, VT

Paul Romano
New York, NY

Kimann Foxman
Brooklyn, NY

Jon Shipley
New York, NY

Charles Johnson
New York, NY

Tony Fornabaio
New York, NY

Hank Mandez
Chicago, IL

David Ash
New York, NY

Fred Forcellati
Hoboken, NJ

Patrick Mebine
San Francisco, CA

Wynkoop
New York, NY

Cynthia Comglicro
New York, NY

Askold Chemydr
New York, NY

Vickom Uldo
Brooklyn, NY

Justin Benjamin

Marilyn Driscoll
New York, NY

Madeline Artenberg
Astoria, NY

Thomas Byrne
New York, NY

Gita Bass
New York, NY

Joseph Erams
San Francisco, CA

Eric Polito
New York, NY

Garth Condit
New York, NY

Andrew Butler
Brooklyn, NY

Lina Briadfund
New York, NY

Karen Hay
Copiague, NY

Joe Lupo
New York, NY

Matt Sharp
Chicago, IL

Michael Aparkio
New York, NY

Jeff Hargreaves
San Francisco, CA

Pete Galloway
New York, NY

David Wrght
New York, NY

Andrew Facigno
Brooklyn, NY

Donna Patris

Tommie Jobe
New York, NY

Anthony Coult
Flushing, NY

Anthony Rocanello
New York, NY

Norman Grossman
Levittown, NY

Suzanne Murray
New York, NY

Todd Hartnett
Oakland, CA

Kareem Iliya
Middlebury, VT

Ray Symons
New York, NY

Ally Krone
Brooklyn, NY

Holli Smith
Brooklyn, NY

Francois Loriot
New York, NY

Victor Alcqide
Copiague, NY

David Steel
New York, NY

Tom Mora
New York, NY

Anthony Stransky
New York, NY

Dan Rost
New York, NY

Teresa Monzon
Ventura, CA

Tai Seeff
Oakland, CA

Rita Johnson
Bronx, NY

Felicia Sefiyan
New York, NY

Edward Fernandez
Brooklyn, NY

Louie Coko
Whitestone, NY

Sebastiano Chmente
Ridgewood, NY

Marylin Julmis
Cambria Heights, NY

Ruron Liao
Woodhaven, NY

Brenda Sanders
New York, NY

Kim Spates
Newark, NJ

Pearl Weaver
Queens, NY

Francesca Hinson
Brooklyn, NY

John Dash
Brooklyn, NY

Jaime Gines
Brooklyn, NY

Mustapha Bermak
New York, NY

Barbara Jalloh
Brooklyn, NY

Koban Tatiana
Brooklyn, NY

Catherine Harrison
Queens, NY

Betty Adams
New York, NY

Fiordelisa Gomez
Bronx, NY

Marc Blaise
Jamaica, NY

Linda McDonald
Brooklyn, NY

Ana Alston
Bronx, NY

Sam Somwaru
Jamaica, NY

Jeff Mandelbaum
Brooklyn, NY

Claudio Cacace
Staten Island, NY

Ingrid Belgrave
Elmont, NY

Jacqueline Montalvan
New York, NY

Sharlene Brown

Amy Genea

Gwendoyne Pelzier
Brooklyn, NY

Stacy James
Bronx, NY

Patrice Green
Brooklyn, NY

Yousif Mohamed
Astoria, NY

Joyce Carbin
Staten Island, NY

Dr. Chein
New York, NY

Imena Collins
Brooklyn, NY

Loyard Harrison
St. Albans, NY

Shirley Asamoah
New York, NY

Sheena Cruz
163rd Street Bronx, NY

Karen Ziegler
College Pt., NY

Emilio Dez Villar
Yonkers, NY

Brenda Padgett
Brooklyn, NY

June O'Garro
Brooklyn, NY

Andy Ball
New York, NY

John Zanetich
New York, NY

Anita Daniels
Brooklyn, NY

Theresa Bing-Brown
Bronx, NY

Elias Akeredolu
Staten Island, NY

Jermain Madera
Queens, NY

Tamara Harrison
St. Albans, NY

Cesley Luke
Brooklyn, NY

O. Fernandez
New York, NY

Carol Prinzivalh
Brooklyn, NY

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Brooklyn, NY

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Brooklyn, NY

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New York, NY

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M. Homeijer
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New York, NY

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SOLARone

GREEN ENERGY, ARTS
& EDUCATION CENTER

EXHIBIT C

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* Honorary

September 20, 2005

Hon. William M. Flynn
Public Service Commission Chairman
Empire State Plaza
Agency Building 3
Albany, NY 12223-1350

Dear Mr. Flynn:

I received information about Solar 2, a fascinating and timely plan to build New York State's first Green Energy and Education Museum. In a form true to our city and state's unique and dynamic spirit, Solar 2's net-zero energy design would serve as a built testament to the potential of ingenuity and innovation to address the most pressing environmental and resource challenges of our time.

CENYC staff has taken classes from the High School for Environmental Studies (HSES) to the Solar 1 classroom by the Green Energy Arts and Education Center. The HSES teens learned a great deal from the experience and applied the concepts, information and materials to their classroom work. If Solar 2 is as good as Solar 1 then it will be a significant addition to environmental education in New York.

New York should provide global leadership in the technical quest to achieve big city sustainability. I firmly believe that Solar 2 represents a powerful opportunity to initiate such a vision, and therefore urge the Public Service Commission to support its programming and construction through the Systems Benefit Charge 3.

Sincerely,

Michael Zamm
Director of Environmental Education

51 chambers street, room 228, new york, new york 10007
tel: 212.788.7900 fax: 212.788.7913 www.cenyc.org



LOWER EASTSIDE ECOLOGY CENTER

oreinc@earthlink.net

OUTSTANDING RENEWAL ENTERPRISES, INC.

P.O. Box 20488 • New York, NY 10009 • tel 212 477-4022 • FAX 212 420-0621

September 15, 2005

Hon. William M. Flynn
Chair
Public Service Commission
Empire State Plaza
Agency Building 3
Albany, NY 12223-1350

Dear Mr. Flynn:

I would like to urge you to consider providing funding for Solar 2, an innovative plan to build New York State's first Green Energy and Education Museum. I understand that Solar 2 is planned as a net-zero energy design, which would serve as a publicly accessible resource to showcase designs that we clearly need to champion at this point in time.

Located at the East River in Stuyvesant Cove, the Museum will provide a model for sustainable design in an urban setting. As you might be aware, New York City needs to generate 20% of its power use within its city limits, which translates into power plants being sited in minority communities and often times on our waterfront. These power-plants can have many negative impacts on the surrounding neighborhoods and the surface waters. It is fitting that Solar 2 will be located at the banks of the East River to showcase that conservation and smart design can address this unfortunate dynamic in a sustainable way.

The current Solar I is one of our project partners in our ongoing environmental education programs, and we currently collaborate with Solar I to bring environmental education that will foster stewardship for the natural resources of New York City. The creation of Solar 2 would allow us to carry this objective to another level and we strongly urge the Public Service Commission to consider this project as one of your top priorities through the Systems Benefit Charge 3 program.

Sincerely,

Christine Datz-Romero
Director

**Brooklyn Center
for the
Urban Environment**



Tennis House
Prospect Park
Brooklyn, NY
11215-9992

T 718.788.8500
F 718.499.3750
W www.bcue.org

September 16, 2005

Honorable William M. Flynn
Public Service Commission Chairman
Empire State Plaza
Agency Building 3
Albany, NY 12223-1350

Dear Chairman Flynn,

I received information about Solar 2, a fascinating and timely plan to build New York State's first Green Energy and Education Museum. In a form true to our city and state's unique and dynamic spirit, Solar 2's net-zero energy design would serve as a built testament to the potential of ingenuity and innovation to address the most pressing environmental and resource challenges of our time.

New York should provide global leadership in the technical quest to achieve big city sustainability. I firmly believe that Solar 2 represents a powerful opportunity to initiate such a vision, and therefore urge the Public Service Commission to support its programming and construction through the Systems Benefit Charge 3.

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Sincerely,



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rkoral@citytech.cuny.edu

Superintendents Technical Association, Inc.

Also known as "The Supers Club"

A technical society of multifamily building maintenance personnel

September 8, 2005

Hon. William Flynn, Chairman
Public Service Commission
Empire State Plaza, Agency Building 3
Albany NY 12223-1350

Dear Mr. Flynn:

I received information about Solar 2, a fascinating and timely plan to build New York State's first Green Energy and Education Museum. In a form true to our city and state's unique and dynamic spirit, Solar 2's net-zero energy design would serve as a built testament to the potential of ingenuity and innovation to address the most pressing environmental and resource challenges of our time.

New York should provide global leadership in the technical quest to achieve big city sustainability. I firmly believe that Solar 2 represents a powerful opportunity to initiate such a vision and therefore urge the Public Service Commission to support its programming and construction through the Systems Benefit Charge 3.

Sincerely,

Dick Koral
Secretary-Treasurer



**Earth Day
New York**

October 7, 2005

Governor George E. Pataki
State Capitol
Albany, NY 12224

cc: Hon. William M. Flynn
Public Service Commission Chairman
Empire State Plaza
Agency Building 3
Albany, NY 12223-1350)

Dear Governor Pataki,

I would like to express my strong support for Solar 2, New York State's first Green Energy and Education Museum. We have worked for several years with the leadership of the organization and I am confident in their ability to effectively utilize state support to reach many New Yorkers with a clear message about the viability of environmental energy technologies. It is important to demonstrate in "bricks and mortar" that there are new approaches to the seemingly intractable resource challenges of our time. Solar 2's net-zero energy design would serve as a built testament to the potential of "clean and green" ingenuity and innovation.

New York is already providing global leadership in the technical quest to achieve big city sustainability but we could definitely do more. Solar 2 represents a great opportunity to expand New York State's role in demonstrating a new approach for the future. We hope the Public Service Commission will find a way to encourage Solar 2's programming and construction through the Systems Benefit Charge 3.

Sincerely,

Pamela Lippe
Executive Director

Tel 212.803.5868
Fax 212.684.3875
info@brightpower.biz

37 W. 28th Street
12th Floor
New York, NY 10001

September 22, 2005

Hon. William M. Flynn
Public Service Commission Chairman
Empire State Plaza
Agency Building 3
Albany, NY 12223

Dear Hon. Flynn:

I received information about Solar 2, a fascinating and timely plan to build New York State's first Green Energy, Arts and Education Museum. In a form true to our city and state's unique and dynamic spirit, Solar 2's net-zero energy design would serve as a built testament to the potential of ingenuity and innovation to address the most pressing environmental and resource challenges of our time.

As a small business owner in NYC's fledgling clean energy industry, I know first-hand how valuable a resource Solar 2 will be for our city, our state and the world.

New York should provide global leadership in the technical quest to achieve big city sustainability. I firmly believe that Solar 2 represents a powerful opportunity to initiate such a vision, and therefore urge the Public Service Commission to support its programming and construction through the Systems Benefit Charge 3.

Sincerely,



Jeff Perlman
President
Bright Power, Inc.



New York State Department of Public Service
3 Empire State Plaza
Albany, New York 12223-1350

NYSERDA
17 Columbia Circle
Albany, NY 12203-6399

To whom it may concern:

This letter confirms our school's partnership with CEC Stuyvesant Cove, Inc. My students from the United Nations International School have participated in Stuyvesant Cove Park's environmental education lessons and initiatives over the last year. I plan to continue using this program and facility in my future classes.

This program adds significant benefits to students through an expanded understanding of their local environment, the demonstration of alternative energy sources and the chance to participate in hands-on lessons. The classes at Stuyvesant Cove challenge my students to consider the choices that they and their families make in their day-to-day lives and how those choices impact the world around them. These lessons have helped my students become more environmentally aware urban residents; especially in regard to the energy they use everyday.

I am very pleased with this program and feel that my students are lucky to be exposed to a broader spectrum of science and technology than they might otherwise have a chance to learn about and I look forward to our continuing partnership as the project continues to grow and develop.

Sincerely,

A handwritten signature in cursive script, reading "Linda Miglierina".

Linda Miglierina (Classroom Teacher)

A handwritten signature in cursive script, reading "Chris Muller".

Chris Muller (Middle School Principal)



METROPOLITAN WATERFRONT ALLIANCE

September 14, 2005

Governor George E. Pataki
State Capitol
Albany, NY 12224

Dear Commissioner Pataki,

I am writing in strong support of applying funds from the Systems Benefit Charge 3 to the creation of Solar 2 at Stuyvesant Cove, New York State's first Environmental Museum and Learning Center.

*It all
comes
down to
the water*

Solar 1 exceeds their mission by not only working with their immediate neighborhood, but the whole city. As the city's only free standing solar building, Solar 1 is an essential tool in educating future generations about the possibilities of alternative energy. In addition to youth programming, the staff at Solar 1 has developed both a lecture and art series serving to area residents which reflects their ongoing commitment and education of sustainable issues.

The Metropolitan Waterfront Alliance works through education, grassroots organizing and media advocacy to include the public's voice and values in the decision-making that will determine the future of our region's waterfront and waterways. Solar One currently sits on one of our city's most active and vital waterways, the East River. We believe that building Solar 2, New York's State's first Green Energy and Education Museum on the river where Thomas Edison's had his energy plant and which has been home to energy facilities ever since will reflect New York State's strengthening commitment to alternative energies.

I therefore urge the Public Service Commission to support Solar One's ongoing programming and construction of Solar Two through the Systems Benefit Charge 3.

Please contact me with any additional questions at 800.364.9943.

Sincerely,

Carter Craft
Director
Metropolitan Waterfront Alliance

cc: PSC Chairman William Flynn, Christopher Collins

Serving the New York-New Jersey Metropolitan Area

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Executive Director
Christian DiPalermo

October 13, 2005

Hon. William M. Flynn
Public Service Commission Chairman
Empire State Plaza
Agency Building 3
Albany, NY 12223-1350

Dear Governor Pataki:

On behalf of New Yorkers for Parks, I am writing in support of Solar 2 and to urge the Public Service Commission to support the project through the Systems Benefit Charge 3.

New Yorkers for Parks is the city's only independent, non-profit organization dedicated to promoting and protecting parks and open space throughout the five boroughs. We recently received information about a plan to build Solar 2, New York State's first Green Energy and Education Museum along Manhattan's East River waterfront, in Stuyvesant Cove Park. This proposed facility has long been planned as part of the city's efforts to revitalize this stretch of waterfront property and enjoys significant community support.

Given the current success of Solar 1 as a community asset, educational tool and cultural center, I firmly believe that Solar 2 would be an excellent addition to Stuyvesant Cove Park and therefore urge the Public Service Commission to support its programming and construction through the Systems Benefit Charge 3.

Sincerely,

Christian DiPalermo
Executive Director



New York Restoration Project

NYRP

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CARMEN and JOHN A. THAIN

September 30, 2005

Governor George E. Pataki
State Capitol
Albany, NY 12224

Dear Governor Pataki,

I received information about Solar 2, a fascinating and timely plan to build New York State's first Green Energy and Education Museum. In a form true to our city and state's unique and dynamic spirit, Solar 2's net-zero energy design would serve as a built testament to the potential of ingenuity and innovation to address the most pressing environmental and resource challenges of our time.

New York should provide global leadership in the technical quest to achieve bit city sustainability. I firmly believe that Solar 2 represents a powerful opportunity to initiate such a vision, and therefore urge the Public Service Commission to support its programming and construction through the Systems Benefit Charge 3.

Sincerely,

Julia Erickson
Executive Director

THE CHILDREN'S
WORKSHOP SCHOOL



LA ESCUELA EL
TALLER DE NIÑOS

DIRECTOR : Maria Velaz-Clarke

March 3, 2005

New York State Department of Public Service
3 Empire State Plaza
Albany, New York 12223-1350

To whom it may concern:

Our school, The Children's Workshop on East 12th Street, has been working happily with CEC Stuyvesant Cove, Inc. Students from our after school Science Club as well as all 5th and 6th grade classes have participated in Stuyvesant Cove Park's environmental education lessons and initiatives over the last year and we plan to continue using this program and facility next year and beyond.

This program is such a rare and precious thing as students can learn first hand about a real solar environment, about an incidental beach, about biospheres. The program offers significant and unique benefits to students through an expanded understanding of their local environment, the demonstration of alternative energy sources and the chance to participate in hands-on lessons.

The classes at Stuyvesant Cove challenge my students to consider the choices that they and their families make in their day-to-day lives – to consider how they play a part in the quality of the East River, to think hard about the importance of recycling.. These lessons have got me and my students turning the lights out more often when they are not in use.

I am very pleased with this program and feel that my students are tremendously lucky to be exposed to a broad spectrum of science and technology than they might otherwise have. Our school lacks funding for any real science curriculum so Stuyvesant Cove is much more than just an add on for us. I look forward to our continuing partnership as the project continues to grow and develop. If you have any questions, feel free to contact me.

Sincerely,

Rebecca Perl
After School Science Program
PTA/CWS
212 674 7820
rperl@mindspring.com



BARUCH COLLEGE CAMPUS HIGH SCHOOL

17 LEXINGTON AVENUE, BOX A - 920

NEW YORK, NEW YORK 10010

(212) 802-2620 FAX (212) 802-2623

EMAIL: BCCHS@BARUCH.CUNY.EDU

ALICIA PÉREZ-KATZ, PRINCIPAL

New York State Department of Public Service

3 Empire State Plaza

Albany, New York 12223-1350

NYSERDA

17 Columbia Circle

Albany, NY 12203-6399

To whom it may concern:

This letter confirms our school's partnership with CEC Stuyvesant Cove, Inc. My students from Baruch College Campus High School have participated in Stuyvesant Cove Park's environmental education lessons and initiatives over the last year. I plan to continue using this program and facility in my future classes.

This program adds significant benefits to students through an expanded understanding of their local environment, the demonstration of alternative energy sources and the chance to participate in hands-on lessons. The classes at Stuyvesant Cove challenge my students to consider the choices that they and their families make in their day-to-day lives and how those choices impact the world around them. These lessons have helped my students become more environmentally aware urban residents; especially in regard to the energy they use everyday.

I am very pleased with this program and feel that my students are lucky to be exposed to a broader spectrum of science and technology, and I look forward to our continuing partnership as the project continues to grow and develop.

Sincerely,

A handwritten signature in black ink, appearing to read "Lauren S. Loizides". The signature is fluid and cursive, with a large, stylized "L" and "S".

Lauren S. Loizides



Cornelia Connelly Center

New York State Department of Public Service

3 Empire State Plaza
Albany, New York 12223-1350

NYSERDA

17 Columbia Circle
Albany, NY 12203-6399

To Whom It May Concern:

My name is Rochelle Gandour, and I teach science at Connelly Middle School of the Holy Child. I am writing to confirm our school's partnership with CEC Stuyvesant Cove, Inc. My fifth and sixth grade students participated in Stuyvesant Cove Park environmental education lessons this past January. I plan for these classes to continue visiting Solar 1; I would like to make our experiences there a permanent part of our science curriculum.

Our visits to Solar 1 in Stuyvesant Cove Park truly benefited my students' understanding of environmental science. Better than any lecture, my students saw, firsthand, solar panels in use on the roof of our field trip classroom. While we were there, building mini-biospheres allowed my students to realize how our atmosphere works and why pollution can be so detrimental to our world. Finally, my students were thrilled when the wheels on their solar-powered vehicles actually turned.

Moreover, my students were listening. They now understand the impact their electricity use can have on our local environment and on the whole world. Now, Alexis is careful to open her refrigerator only when she needs to. Yulia actually convinced her mother to purchase and use compact fluorescent light bulbs, instead of standard ones. Brittany no longer turns on her television and radio on at the same time. My students remember to turn off our classroom lights before lunch or recess if I forget to do so.

I am extremely pleased with every aspect of this program: the hands-on exercises, the active learning, the real-life applications of knowledge, and the vital importance of this environmental content. I feel lucky that my students have been exposed to technologies that I cannot provide in the classroom, and I feel even luckier that they could have this experience at no cost to us. I look forward to a continuing partnership between my school and Stuyvesant Cove Park, Inc., as the project continues to grow and develop.

Sincerely,

Rochelle Gandour,
Science and Dance Teacher



420 East 12th Street
New York, NY 10009
Tel: (212) 460 8467
(212) 260 1142
Fax: (212) 260 9657
Principal: Mark Federman

March 3, 2005

To whom it may concern:

I am writing this letter on behalf of the Community Environmental Center. My name is Maria Agurcia. I teach 7th grade Earth Science at East Side Community High School in the lower east side of Manhattan. The Community Environmental Center was a vital part of my environmental science unit this past fall semester.

As part of a unit on energy and natural resources, my classroom visited SOLAR 1 on three occasions. We built solar powered cars, made posters about how electricity is generated, and we built mini biospheres. Students learned about solar power, non-renewable vs. renewable resources, pollution, and global warming. The best part of the three trips was seeing how the students reacted to and learned from this unique experience. They looked forward to going to Stuyvesant Cove, got comfortable with John as their "other environmental science teacher," and loved the hands on nature of it.

Being near the East River and learning in a solar powered building brought environmental science to life for the students. It is not a common thing for students in New York to have such an opportunity. The students were enthusiastic and engaged not only at SOLAR 1, but also when we returned to the classroom. I continually refer back to John Garvie's lessons and our experience at SOLAR 1. The lessons he developed integrated physical science, environmental science, and biology.

I look forward to taking my students back to SOLAR 1 next year. It was truly an invaluable experience for them! Furthermore, it did not cost the students, school, or myself anything to go. This is exactly the type of program I am proud to have been a part of, and I hope that my students in the future will also benefit from it!

Sincerely,

Maria Jose Agurcia
7th grade Science
East Side Community High School

September 17, 2004

4878 Bryn Mawr
Bloomfield Hills, MI 48301

John Garvie
Community Environmental Center
43-10 11th Street
Long Island City, NY 11101

Dear John,

I am writing to express my appreciation for the incredible learning opportunities you and your organization provided for my students this past spring and summer. It was my dream to come to New York City and find a way to help students form meaningful connections between themselves and the urban environment. It was through our field trips to Stuyvesant Cove Park that this interaction truly came alive.

As a public educator it is often difficult within the constraints of money, testing, supervision, and all the other demands, to approach teaching and learning in a way that takes kids out of the classroom and into the real world. The two most crucial aspects of our work together, your availability, interest, and enthusiasm and the fact that programming at the park was free, made it all possible. Although there are many nonformal learning opportunities out there for students in the city, many of them have fees and very few of them provide an educator who is willing to partner, plan, and lead the programs. In addition, John, I felt that you worked very positively with students, with a true enjoyment and understanding of their interests and abilities. You can see this for yourself in the digital video I enclosed! (The digital camera I purchased with the money from CEC's "urban environment teaching award." It was an excellent way to assess student learning in a field setting!)

The 7th grade science students at East Side Community High and I thank you so much for all you've given to our teaching and learning experience. I only hope that you can maintain and expand this current model of programming, continuing to offer so much to the community. Stuyvesant Cove Park has a special place in my heart. It is a truly unique place for students to learn and connect with New York City's environment. Please keep in touch (rebeccamgrant@hotmail.com) and good luck with the new school year!

Sincerely,



Rebecca Grant



SOLARone

GREEN ENERGY, ARTS
& EDUCATION CENTER

EXHIBIT D

SOLAR 2 PLANS

Imagine . . .



. . . a city where
buildings act as their
own power plants . . .

S²

Solar 2 - The Environmental Learning Center and Museum

S² Solar 1 is the solar-powered environmental learning center in Stuyvesant Cove Park at 23rd Street and the East River in Manhattan. This “green classroom” is the prototype for the Stuyvesant Cove Environmental Museum and Learning Center, New York City’s first museum for the environment. The Environmental Museum, to be built on the site of Solar1, is being designed as a “net-zero” building; it should be a little power plant, generating more energy than it consumes.

The Environmental Museum will be a green building featuring energy efficient and sustainable technologies including geo-thermal wells, building-integrated photovoltaic panels, solar hot water, daylighting strategies, a living machine, and systems demonstrating these “net-zero” measures.

Visitors will experience first-hand how to conserve energy every day. Current plans call for the building to house an eco-apartment – a typical NYC apartment, outfitted with green friendly products and EnergyStar appliances, which would be available for purchase. Making their way through the building, visitors will experience a series of interactive exhibits that would evolve with changing technologies. A visitor might view a green

metropolis in the future or purchase products online from a hardware store that deals exclusively in green products. A spacious multi-purpose room, accommodating 100 people, will serve as a classroom, meeting or performance space. The building will house a café and bookstore, and capitalize on its unique location on the East River in Stuyvesant Cove Park; our existing education program will be expanded, as will our arts program, which features solar powered film, music and dance outdoors during the summer.

The design of the Environmental Museum is underway. Our design team, featuring Kiss + Cathcart Architects, Ove Arup Associates, engineers, and Judith Heintz Landscape Architecture, is in consultation with members of the local community board as well as NYSERDA (The New York State Energy Research and Development Authority) and other city agencies.

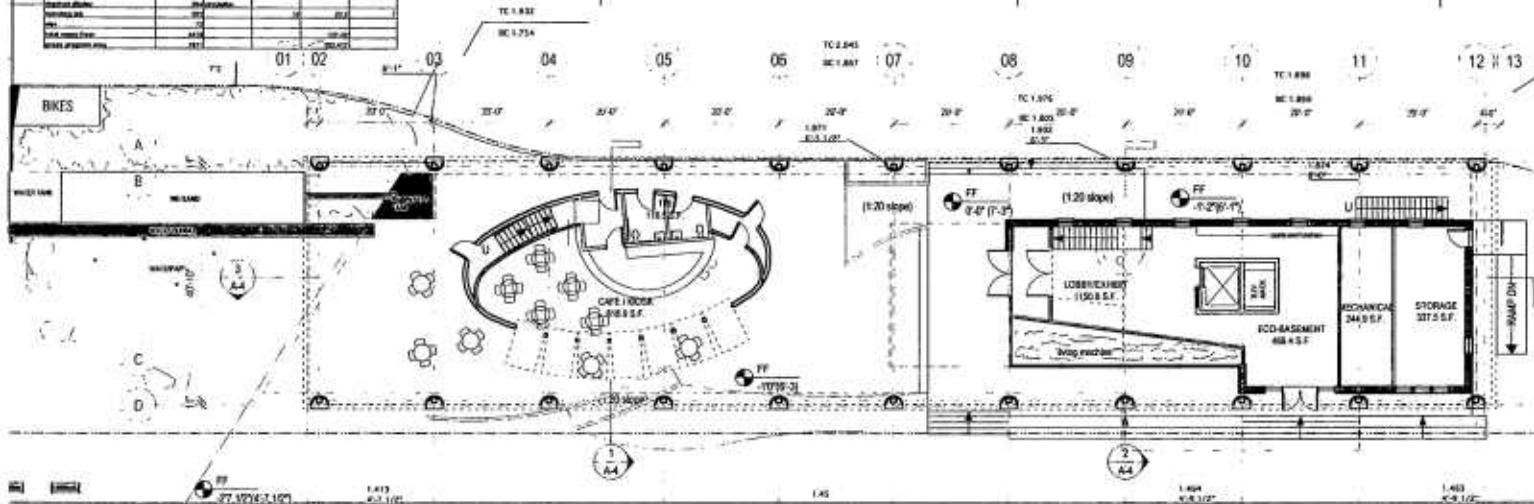
Inquiries or comments may be forwarded to Chris Collins at 212.505.6050 or via e-mail at chris@solar1.org.

SOLARone

GREEN ENERGY, ARTS
& EDUCATION CENTER

5721504
 subproject28pointsin2

DESCRIPTION	UNIT PRICE	QUANTITY	TOTAL	UNIT PRICE	TOTAL
GENERAL					
CONCRETE	1.00	10.00	10.00	1.00	10.00
STEEL	1.00	10.00	10.00	1.00	10.00
WOOD	1.00	10.00	10.00	1.00	10.00
GLASS	1.00	10.00	10.00	1.00	10.00
PAINT	1.00	10.00	10.00	1.00	10.00
PLUMBING	1.00	10.00	10.00	1.00	10.00
ELECTRICAL	1.00	10.00	10.00	1.00	10.00
MECHANICAL	1.00	10.00	10.00	1.00	10.00
LANDSCAPE	1.00	10.00	10.00	1.00	10.00
TOTAL					



K&C Cathcart, Architects
44 COURT ST. TOWER C
BROOKLYN, NY 11201
tel: 718.277.2768
fax: 718.277.2025
www.kandccathcart.com

Stuyvesant Cove Environmental Center

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SCALE IN FEET

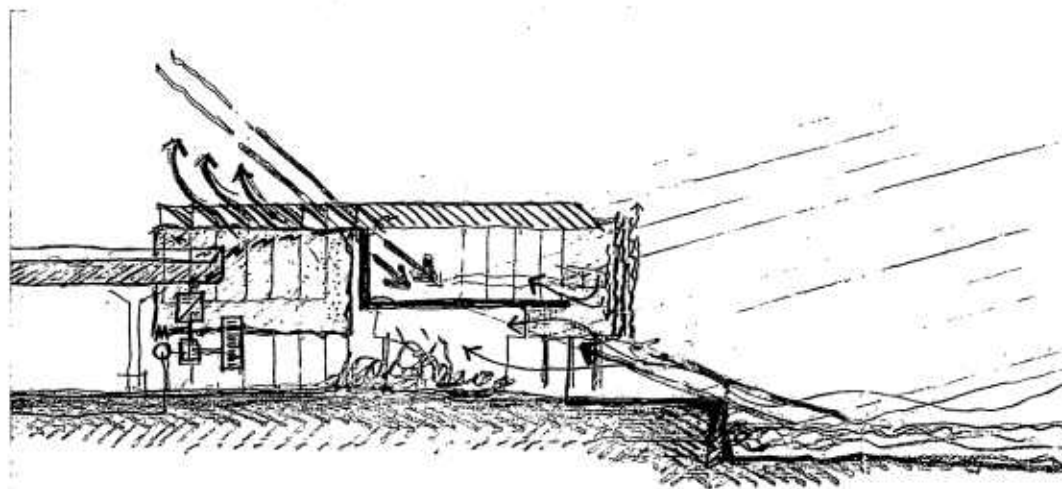
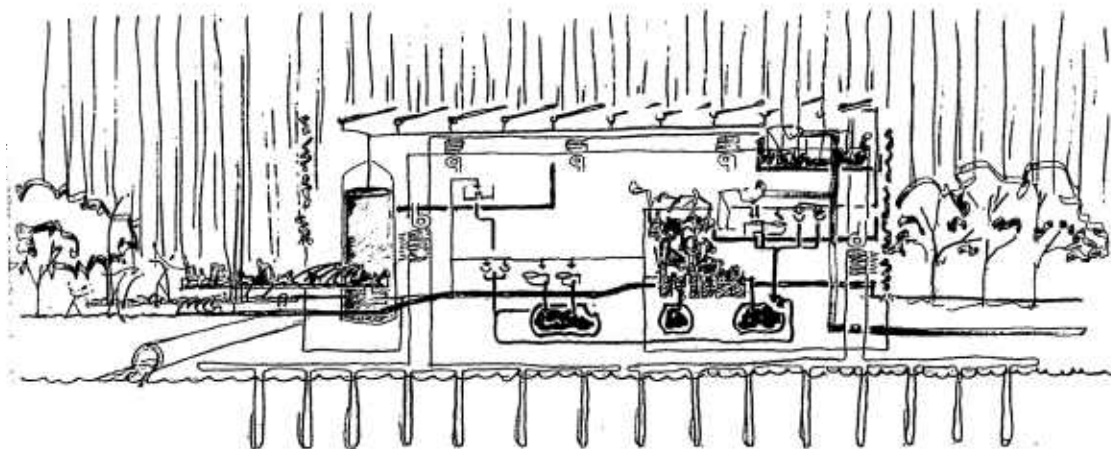


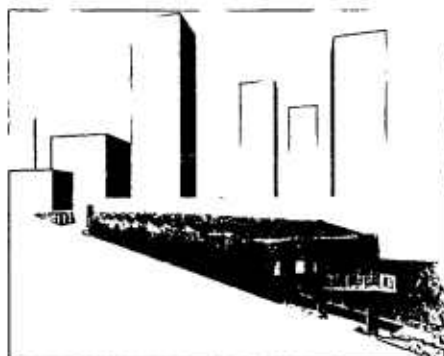
Date: May 21st 2004

Ground Floor Plan

A-2

5/21/04
stuycov28p:stdin2





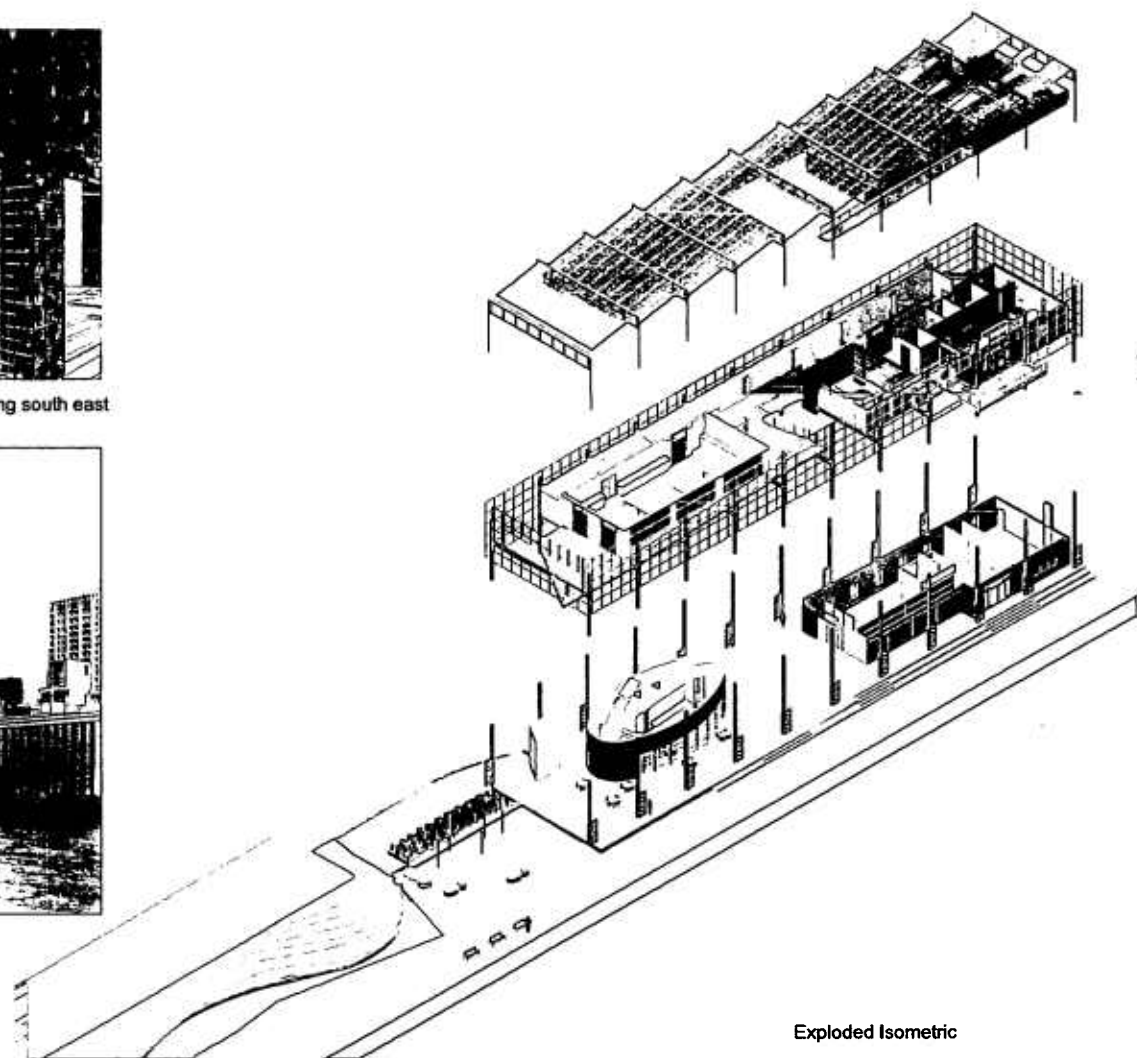
View from highway driving north



Approach from 23rd st looking south east



View from Park looking north



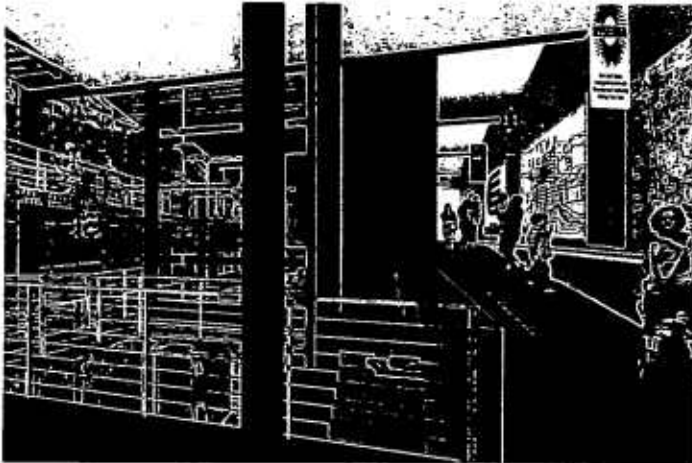
Exploded Isometric

Renderings

Date: July 14th 2004

Kiss + Cathcart, Architects
 44 COURT ST. TOWER C
 BROOKLYN NY 11201
 tel: 718 227 2788
 fax: 718 227 2025
www.kisscathcart.com

Stuyvesant Cove Environmental Center



View towards Eco-neighborhood display on second floor



View within estuary environment classroom



View from Lobby on ground floor



View from cafe looking east

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Stuyvesant Cove Environmental Center

Date: July 14th 2004

Renderings