

**HAPPY SPRING!**



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## *New York Power Authority (NYPA) Bringing Solar Power!*



The New York Power Authority (NYPA) is seeking the development of 100 MW of distributed solar photovoltaic generating facilities ("SGF") to be installed primarily at schools, government facilities and other Authority customer locations throughout New York State.

The NYPA is a corporate municipal instrumentality and political subdivision of the State of New York that provides low-cost electricity to governmental agencies, municipal electric systems, rural electric cooperatives, manufacturers and to investor-owned utilities for resale without profit to retail

customers across New York State. The Authority operates 18 generating facilities and more than 1,400 circuit-miles of transmission lines. In addition, the Authority is a nationally recognized leader in the field of energy services including the development of clean and renewable energy technologies and the promotion of energy efficiency. It has committed more than \$100 million per year to energy services with cumulative investments aggregating to more than \$1.1 billion since the program's inception..

In January of 2010 New York Governor David Paterson



made an announcement in Syracuse in that solar power in NY will increase by five-fold by 2014. Currently, New York has a 22-MW solar system. Governor Paterson announced this NYPA 100 MW solar project and stated that "The new project will be largest solar initiative in state history and will create jobs, spur economic development and reduce New York's carbon footprint".

## LEED ON LONG ISLAND!

The U.S. Green Building Council Long Island (USGBC-LI) Chapter has posted three projects on their website ([http://www.usgbc-li.org/usgbc-li/leed\\_projects.asp](http://www.usgbc-li.org/usgbc-li/leed_projects.asp)): Wild By Nature LEED Gold, Watermill Atleirs LEED Gold, and Brookhaven National Laboratory Lab Research Support LEED Gold. These projects have achieved such amazing environmental impact reduction benefits such as 36% energy savings, 76% of construction material recycled,

native planting with no irrigation required, 42% in water reduction and the list goes on.

In January of 2010 the USGBC-LI hosted an event to demonstrate financial benefits that are available when renovating and building. According to USGBC-LI, the NY Power Authority has over \$800,000 available for projects that register to be built LEED. There are many benefits for building green and saving money is always a great advantage!

## USEPA GREEN REMEDIATION INITIATIVES



You can review EPA’s recommendations and guidance documents for “Green Remediation” at the following web sites:  
<http://www.epa.gov/tio/download/remed/green-remediation-primer.pdf>

[http://www.epa.gov/region02/superfund/green\\_remediation/policy.html](http://www.epa.gov/region02/superfund/green_remediation/policy.html)

The United States Environmental protection Agency (EPA) has recently ramped up their efforts to educate and incentivize the private sector about “Green Remediation” practices, at both EPA-funded Superfund Sites and privately-funded site remediation. Large environmental remediation projects can be highly energy intensive, taking decades to complete and involving substantial soil and waste excavation, management, and transport, resulting in a significant environmental footprint. EPA’s charge is to protect human health and the environment through remedial projects, while at the same time promoting the following sustainability objectives during the remediation:

- Support reuse of remediated land by humans and ecological systems.
- Minimize impacts to water quality and water resources.
- Reduce air emissions and greenhouse gas production.
- Minimize material use and waste production.

One of the newly instituted qualifications for being awarded a remediation contract on EPA Superfund Sites is to incorporate substantial green remediation

strategies into the remedial action proposal.

PWGC has recently submitted a proposal to design, build and operate an EPA Superfund groundwater remedial system. To help minimize energy, recycle and re-use materials, reduce waste and water, foster sustainability at the site, PWGC has designed significant “Green Remediation” practices to be implemented during the design and construction into our proposals for this project.

Some other key Green Remediation elements being considered for this and other remedial projects include:  
 (1) purchasing 100% of electricity from renewable sources through the regional energy suppliers Green Choice Program; (2) high-efficiency motors for pumps and blowers; (3) minimization of clearing and grubbing; (4) use of double-sided submittals and use of recycled paper; (5) daylighting techniques and high efficiency lighting to reduce the project’s electricity demand; (6) use of a vapor barrier beneath the building

slabs for better indoor humidity control thus reducing power demand by the HVAC system to maintain thermal comfort; (7) reduce wastes, for example, through reuse of on-site materials and use of recycled and environmentally-preferred materials; etc.

Based upon the site, project specific conditions, and the anticipated remedial project schedule, appropriate Green Remediation strategies may vary significantly and should be evaluated during the planning and design process.

Whether being funded by the EPA, or by private parties, PWGC believes that Green Remediation strategies should be more the norm as part of site investigations, remediation, and operation and maintenance of remedial systems, as green building design is becoming the norm in new building construction. Not only do these practices offer significant cost savings over the life of the project, they also support the EPA’s goals and offer the chance to be in the forefront of new, innovative, attractive design; construction and operational strategies.

### LI Carbon Footprint ...

**Stepping on the scale this spring? Have your company step on to weigh greenhouse gas emissions and consider a carbon diet!**

## LONG ISLAND CARBON FOOTPRINT PROJECT

Want to know your community’s carbon footprint? The Long Island Carbon Footprint Project has been launched by the ICLEI – Local Governments for Sustainability to calculate and track greenhouse gas emissions from individual communities in Nassau and Suffolk Counties. The goal of the project is to bring LI’s

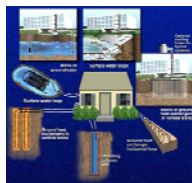
climate protection and sustainability efforts together as a whole and to reduce the overall footprint. Some local governments are already calculating their greenhouse gases. As we anticipate the results of the LI Carbon Footprint Project seize the opportunity if you haven’t

already done so to determine your greenhouse gas contributions. One cannot begin a diet without first stepping on the scale for a baseline! For more information visit <http://www.icleiusa.org/action-center/learn-from-others/long-island-carbon-footprint-project>



# JOIN US FOR SPRING & SUMMER SUSTAINABILITY WORKSHOPS

**Geothermal Systems Development**  
~~Date: March 24, 2010~~  
Time: 12pm March 31, 2010  
Given By: John Rhyner, PG. LEED, AP



**Brownfield Revitalization**  
Date: April 28, 2010  
Time: 12pm  
Given By: Kris Almskog



**Alternative Fuels Facility Design**  
Date: May 19, 2010  
Time: 12pm  
Given By: Brian McCaffrey

**Carbon Footprint Analysis**  
Date: June 9, 2010  
Time: 12pm  
Given By: Marie Mendes



**Previous Newsletter Correction**  
In PWGC's Winter 2010 Newsletter it was stated in the LEED article that "the use of GHPs reduces consumptive water demands of a cooling tower system." While true, this benefit of GHPs does not contribute to earning Water Use Reduction credits 3.1 or 3.2, as implied in the article, since reduction of process waters is not included at this time in these credits.

**LEED/Leadership in Energy and Environmental Design**  
Date: July 14, 2010  
Time: 12pm  
Given By: Tammy Cunha, LEED AP



**Location:** Workshops to be held at PWGC Bohemia office, or a nearby venue depending on number of attendees.

**Contact Nicole Mulea at 631.589.6353 or [nicolem@pwgrosner.com](mailto:nicolem@pwgrosner.com) to sign up for a workshop.**



**Going Green Can Be Puzzling... Let us help you solve it!**



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## Quality & Performance

Businesses are all too aware of their responsibility to protect and enhance the environment in which they work and operate. However, Directors have found that managing activities in a responsible way not only helps to reduce the negative impacts on the environment (e.g. production of waste, natural resource preservation) but also reduces production costs significantly.

That's where we come in: PWGC will work with you to integrate environmental best practice measures into key areas of the business stream and current working practices.

## Applying Knowledge and Insight

We act as your advocate with partners, contractors and regulatory agencies. PWGC's experienced regulatory specialists know how to apply regulations to keep you in compliance and yet let you meet your corporate goals. The added benefit: Enhanced image with your community and regulatory agencies.

Visit us at [www.pwgrosner.com](http://www.pwgrosner.com)