

**Berkeley Heights
canopy study**

**Deepening the
Delaware**

**Planning for the
future**





Director's Report

Beware: floods ahead!

Hurricane Irene showed us how tragically destructive floodwaters can be. Irene was a powerful storm, bringing torrential rain that fell on already saturated ground. Though we can hope we won't experience a repeat of such a disaster, scientists predict that climate change will be bringing more frequent weather extremes.

Irene's flooding underscored some of the worst environmental effects of uncontrolled stormwater runoff – severe erosion, flash floods, water pollution and habitat destruction. In addition, the economic costs will total billions of dollars, including property damage to homes, businesses, highways and roads, and utility lines.

The flooding highlighted how stormwater control is also an environmental justice issue, because the people who suffered the most were predominantly low-income, minority populations who live in flood-prone areas where housing is less expensive. In addition, flood waters funneled downstream to older urban areas, causing overflows of their combined sewer systems, creating bacterial contamination of the floodwaters.

Although Hurricane Irene's floods were extreme, thousands of land use decisions by New Jersey municipalities intensified the floods' impact. Developments have paved over natural recharge areas, filled wetlands that could have stored flood waters, and graded land to remove the natural depressions that detain water.

Control of stormwater is not only within the power of municipalities; it is, in fact, a requirement for New Jersey municipal governments. NJ Department of Environmental Protection (NJDEP) regulations direct local governments to approve a

stormwater plan and ordinance and land use boards must reflect the plan and ordinance in their review of development applications.

Heed the BMPs

At the heart of the regulations is the NJDEP *Stormwater Best Management Practices (BMP) Manual*. It emphasizes use of nonstructural strategies that imitate nature's way of detaining and infiltrating water, rather than relying on manmade infrastructure -- pipes and detention systems. When constructed infrastructure fails, as it surely will over the long term, the municipality is left to bear the cost of repair. Nonstructural alternatives include minimizing impervious cover, disconnecting impervious surfaces, and retaining natural features such as wetlands and swales to detain, treat and infiltrate stormwater.

Developers might claim that they have gotten a stormwater permit from the NJDEP. However, the municipal land use board, not the NJDEP, has responsibility for determining compliance with stormwater requirements. A development application should not be approved unless it contains a satisfactory stormwater management plan.

The Delaware Riverkeeper Network (www.delawareriverkeeper.org) released a report last year entitled "New Jersey Stormwater Management Implementation." It used a case study of development decisions in Hamilton Township, Mercer County, to see if the stormwater regulations were enforced. Every development proposal reviewed was found to be deficient. The Riverkeeper report stated that noncompliance was not limited to this single municipality, but towns throughout New Jersey are not implementing the stormwater regula-

tions. It stated, "Although a single development project may seem an insignificant contributor to water pollution or flooding, cumulative, non-compliant projects have resulted in high costs both environmentally and fiscally." To prepare for other storms like Irene, towns should make all possible efforts to increase protection for flood-prone areas to absorb floodwaters.

What can an environmental commission do? Review your town's stormwater plan and ordinance and the NJDEP BMP Manual, (www.nj.gov/dep/stormwater/bmp_manual2.htm) so that when a development application comes in, you can suggest nonstructural alternatives, or ask if the developer's engineer has used nonstructural techniques to the greatest extent possible. Point out known flooding and stormwater problem areas in the municipality and downstream for possible retrofit opportunities.

ANJEC has just revised its Resource Paper "Municipal Options for Stormwater Management." Mailed to all member commissions and on our website, it offers details and sources of information for commissions to follow. (See page 29)

With more frequent and extreme storms

predicted for the future, New Jersey cannot afford to continue managing stormwater as we have in the past.

Sandy Batty
Sandy Batty
Executive Director

In This Issue:

- 2** Director's report
- 4** Innovative land use requires work, patience and sacrifice
- 7** Acting locally
- 11** Berkeley Heights studies the benefits of its trees
- 13** ANJEC in the city
- 15** Deepening the Delaware
- 18** Affordable housing remains in flux
- 20** Glasses raised at ANJEC fundraiser
- 22** Visionaries sought to plan Bayshore Byway
- 23** Paperless ANJEC Report now available!
- 23** ANJEC staffer recognized
- 24** ANJEC comments on *Energy Master Plan*
- 26** New Jersey gets right with E-waste
- 28** ANJEC annual report
- 29** ANJEC resource papers

Library Subscription \$18.00
ISSN 1538-0742

anjec REPORT

Vol. 31 / No. 4 AUTUMN 2011

566 MUNICIPALITIES ONE ENVIRONMENT

Executive Director Sandy Batty
Editor Julie Lange Groth

The Association of New Jersey Environmental Commissions is a private, non-profit educational organization serving environmental commission and open space committee members, concerned individuals, non-profits, and local officials. ANJEC's programs aim to promote the public interest in natural resource preservation, sustainable development and reclamation and support environmental commissions and open space committees working with citizens and other non-profit organizations.

The *REPORT* welcomes articles and photographs but is not responsible for loss or damage. Opinions expressed by guest authors do not necessarily reflect ANJEC policy. Articles may be reprinted with permission and credit. Please address correspondence to ANJEC REPORT, PO Box 157, Mendham, NJ 07945; tel: 973-539-7547; fax: 973-539-7713. E-mail info@ANJEC.org. Web site: www.anjec.org.

On the cover: *The East Point Lighthouse at the mouth of the Maurice River opens onto the Delaware Bay in Cumberland County.* (See story on page 22) Photo by Jim Klein

Planning for the future **Innovative land use requires work, patience and sacrifice**

By **Candace McGee Ashmun**

Natural infrastructure — rivers, streams, forests, grassland habitats and wetlands--don't recognize political boundaries, but the well being of people throughout the State depends on them. Regional planning provides a framework for future development to ensure that the built infrastructure supports efficient movement of people and products, and the disposal of wastes, while ensuring the protection of precious natural resources.

A small, densely populated state with an old industrial infrastructure and limited natural resources: That is New Jersey. How has such a state remained a successful economic engine and retained its nickname as the “Garden State?”

Answers to that question are many and varied. One can look at all the usual factors, proximity to markets, a variety of industrial and service sector jobs, and a skilled and well educated work force. People like to live and work in New Jersey. More high income earners move into New Jersey than move out in any given time span, a testament to our State’s quality of life.

Looking beyond the obvious, consider how New Jersey citizens have reached for the sky by eschewing short term fixes and pursuing visionary goals in ways that require work, patience and sacrifice to ensure a good and profitable future for the state.

Protecting resources

New Jersey voters don’t stop at building parks and buying open space. They support innovative land use planning and regulations that protect resources; they



Candace Ashmun

Photo by Dawn Benko

support programs that save farmland and farmers to feed future generations; and they understand that the State’s future depends on the availability of clean air and clean water. They understand that maintaining these resources requires stringent regulation, not short term gratification. The people of New Jersey recognize that the loss of a single species of flora or fauna is the first step to a disappearing human existence.

The key to New Jersey's success is the willingness of its people to be steadfast in protecting the local control of governmental functions while utilizing regional and statewide planning as a framework. Just as county governments were created to provide those services that bridge the gaps between towns, state government must provide services that bridge the economic and infrastructure gaps between counties. This State has led all states in the union in applying regional solutions to the broader issues of resource protection.

New Jersey's various landscapes abound with examples of the success of regional planning. In the Meadowlands, regional planning has transformed what was once a dump into productive development, bejeweled with restored habitat and resources serving all the residents and businesses of northeastern parts of the State. Shared property taxes – unique to New Jersey as a local control state – have played a major role in the Meadowlands Commission's achievement of its goals.

A state and federal partnership begun 30 years ago to manage growth in the vast coastal plain of New Jersey created the Pinelands National Reserve spanning portions of seven counties and over a million acres of farms, forests and wetlands. The *New Jersey Pinelands Protection Act* was signed into law in 1979. The commission created by that law was empowered to develop, keep current and implement a *Comprehensive Management Plan (CMP)* for land use. The *Plan* employs a nationally recognized transfer of development rights program. Subject to intensive monitoring, the *CMP* continues to protect agriculture, preserve the underlying reserves of groundwater and defend a unique ecosystem that was recognized by the United Nations as this country's first worldwide biosphere reserve.

Statewide coordination

In 1985 the legislature recognized the need for statewide coordination of government agencies and the concomitant requirement to develop goals that should apply statewide. The *State Planning Act* was signed

into law in 1986. It set forth goals that would support the economy, protect the natural resource base and attend to the social needs of our residents. The law called for policies at every level of government and a plan for where and how each of the policies shall be implemented. A commission made up of public agency designees, balanced by public members, forged the first *State Development and Redevelopment Plan* titled "Communities of Place" in 1992, following an extensive and unique cross acceptance process with counties and municipalities.

As called for in the *State Planning Act*, an updated plan was cross-accepted and adopted in 2001. Unfortunately, the Office of State Planning has been moved to the Department of State, where the most recent revision continues to lie fallow and the commission lacks a quorum – particularly of public members.

The *State Plan* was first to officially note the need for special protection of another important resource area known as the New Jersey Highlands, which became our State's fourth and newest regional initiative. In 2004 the *Highlands Water Protection Act* was adopted. The *Highlands Regional Master Plan* is now in place to manage growth so as to protect the water supplies of the industrial northeastern region, the agricultural areas in the northwestern mountains, and a unique, forested ecosystem.

Natural infrastructure – rivers, streams, forests, grassland habitats and wetlands – don't recognize political boundaries, but the well being of people throughout the State depends on them. Regional planning provides a framework for future development, ensuring that the built infrastructure supports efficient movement of people and products, and the disposal of wastes, while ensuring the protection of precious natural resources.

A State with a future


People and businesses come to New Jersey because it is a state with a future. That future depends on far-sighted thinking, not short term greed. We need to continue to lead the nation in the protection of water supplies, forest cover and our varied and

important ecosystems. Our regional planning has demonstrated that land values increase, more construction takes place, agriculture thrives and property taxes are lower when appropriate land use controls are in place. Towns are able to maintain their individuality while planning for a prosperous shared future. Developers applaud the predictability of regional land regulations.

New Jersey is currently at a crossroads. Under current poor fiscal conditions the emphasis could easily slip to the “now,” assuming the future “will take care of itself.” The one lesson New Jersey is apt to forget in these perilous times is that a successful recovery requires planning for the future. If we are to sustain our leadership role as we have throughout our history, we must ensure that our people and our resources are there when we need them. New Jersey will never recover without clean air; abundant, cheap, clean water; good living conditions and an educated work force.

The Governor is developing a strategic plan for the road forward. This strategy

should look to the success of the regional plans and use the *State Planning Act* as its core. The administration should be wary of regulatory changes that might sustain short term greed but not support the people’s vision of the future. Predictability and a firm view of a productive future are critical and are what New Jerseyans will support.

Destroy, or allow others to destroy, land and water resources at your peril. They cannot be replaced, and build-out – even in a perfect world – looms ahead for this small State. 

Candace McKee Ashmun was ANJEC’s first executive director and served three terms as board president. She has been a member of the Pinelands Commission since its creation in 1979 and also served on the State Planning Commission. She is a trustee of the Coalition for Affordable Housing and the Environment and vice president of the board of the Fund for New Jersey. This essay first appeared in NJSpotlight on Aug. 24.

ANJEC depends on our business members to help pay for the cost of printing the *ANJEC Report*. Please let them know that you saw their ad here. Remember, however, that ANJEC does not necessarily endorse any of these firms.

Where Vision & Implementation Meet To Form A Better Future



H2M proudly supports **anjec** ASSOCIATION OF NEW JERSEY ENVIRONMENTAL COMMISSIONS

H2M provides Architecture, Engineering, Planning, Water/Wastewater Management, Survey, Geology/Hydrogeology, Environmental Services & Laboratory Analysis.

H 2 M architects + engineers

Located in Parsippany, New Jersey 862.207.5900 www.h2m.com

Acting Locally



By **Michele Gaynor**, ANJEC Resource Center
and **Julie Lange Groth**, ANJEC Report Editor

West Windsor to NJ: Stay in RGGI

The West Windsor Township Environmental Commission and the Township Council recently passed resolutions supporting New Jersey's continued participation in the Regional Greenhouse Gas Initiative (RGGI). The Commission and Council agree with the majority of world scientists that climate change is a serious threat to human health, the environment and the economy, and that RGGI is an essential part of the solution.

"The State's withdrawal from RGGI diminishes our ability to both respond to climate change and support valuable renewable energy and energy efficiency programs, compelling us to act to pass the resolutions, which were modeled after NJ legislative resolutions," says Environmental Commission Chair Michael Hornsby.

The Commission passed the resolution on July 14, and Hornsby spoke at the Council's August 1 meeting to advocate for the resolutions, which subsequently passed and were sent to the Governor and other key State officials.

"West Windsor is serious about becoming a more sustainable community, as evidenced by our Silver Sustainable Jersey Certification," Hornsby declares. "We are acting locally to be part of the solution to climate change. The Commission invites other communities to let their voices be heard by passing their own RGGI resolutions."

West Windsor's RGGI resolution is available on ANJEC's website at www.anjec.org/Positions.htm.

~Julie Lange Groth

An EcoCenter for Morristown

What was once a car showroom in Morristown could one day become home to an organic restaurant, community kitchen, rooftop greenhouses, space for art and cultural events and an incubator for green-themed business. These are just a few of the prospective tenants that could inhabit this 20,000-square-foot facility in downtown Morristown.

According to its web site at <http://morristownecocenter.com>, the EcoCenter is envisioned as "a sustainable business ecosystem and community hub through innovation, education, entrepreneurship and the arts." It is designed to showcase and support new technologies, entrepre-

neurs, innovative approaches to ecological regeneration and urban and suburban revitalization, and provide the opportunity for the community to patronize, learn from, and interact with businesses that contribute to sustainability.

One interesting aspect of the facility is the green-themed business incubator that will help accelerate the development of startup companies by providing them with the resources and services needed to become successful. The incubator will develop and supply technology, funding and expertise to businesses that supply environmentally sustainable technologies, products and services.

Other features of the incubator would include shared services, wet and dry labs, conveniently located offices and access to the public. A majority of the businesses that originate from incubator settings usually end up located within the community.

So far, community and public support for the project have been positive. The mayor, town business administrator and planner have participated in the planning process. The final plan has not yet been presented to the governing body.

By creating a functional center for a range of sustainable businesses the EcoCenter stands to have a positive economic impact for Morristown.

The EcoCenter is a partnership between the existing property owner, Jack McDonald, and the nonprofit Sustainable Business Incubator; it is intended to house both for-profit and sustainable nonprofit activities.

~Michele Gaynor

Greenwich says “no fracking”

Hydraulic fracturing is not welcome in Greenwich Township. Also known as hydrofracking or fracking, the natural gas extraction method injects large volumes of chemical-laced water into underground shale layers.

The Township Committee unanimously passed a resolution in August banning the drilling technique, which many environmentalists believe can cause serious adverse impacts on water supplies, particularly in the Delaware River watershed.

While the Marcellus Shale geological formation, where fracking is being employed to tap the nation’s largest natural gas deposit, lies almost entirely across state lines in Pennsylvania and New York, it’s too close for comfort for Environmental Commission member Nicos Zittis. “We are very close to it and don’t know how far the industry will expand. We want to make sure our area is safe.”

Several other towns have passed anti-fracking resolutions in New Jersey, including Clinton, Secaucus and the

Townships of Clinton, Bethlehem and Holland. Earlier this summer, the Legislature passed a bill that would have made New Jersey the first state to permanently ban the practice, but the Governor conditionally vetoed the bill in late August, proposing instead a one-year ban to allow more study of the environmental impacts.

For more information and sample hydrofracking resolutions, go to www.anjec.org/Alerts.htm#hydrofracking.

~Julie Lange Groth

Bernards educating through art

The Bernards Township Environmental Commission joined with local elementary schools to offer a poster contest for all 5th graders in the district. The contest involved hundreds of children and challenged them to learn about harmful lawn pesticides and the dangers of these toxic substances. With the help of the district’s science curriculum advisor, students discovered the hazards of lawn chemical pollution through a comprehensive ecosystem learning module that challenged them to use their new knowledge by creating posters.

The Commission gave out certificates to participating students as well as “Pesticide Free Zone” stickers. The four winners received a “Pesticide Free Zone” t-shirt. The stickers and shirts were donated by PesticideFreeZone.org and Safelawns.org donated consulting services.

Bernards Township adopted an *Integrated Pest Management Policy* in 2008 for



Bernards Township 5th grade poster contest.

all town-owned property. The policy calls for organic lawn care practices and the elimination of synthetic pesticides and fertilizers on all sports fields and key lawn areas. All parks are designated Pesticide Free Zones.

The Board of Health supported the policy by passing a resolution and the Board of Education followed suit by declaring that school lawns and sports fields shall be managed without lawn care pesticides. All property owners throughout town are encouraged to participate and eliminate unnecessary pesticides on their own property.

A total of 36 New Jersey communities have banned the applications of pesticides on public property. For more information visit the Bernards Township Organic Lawn Care site at http://www.bernards.org/boards_commissions/environmental/ec_organic_lawn_care.aspx

~Michele Gaynor

Tewksbury ERI merits award

The Hunterdon County Planning Board honored the Tewksbury Township Environmental Commission with its 2010-2011 Planning and Design Award for developing the town's new Environmental Resource Inventory (ERI).

The award recognizes an outstanding planning effort involving exemplary decisions by local land use boards that might serve as an example for other municipalities. Hunterdon County Freeholder George Melick and County Planning Board member Page Stiger presented the award at an event attended by more than 120 people. See www.tewsburytp.net.

~Julie Lange Groth

Waterford inventories bugs

With the help of two local Cub Scouts, members of the Waterford Township Environmental Commission have been sifting through mud and catching insects and other aquatic life to assess the health of Atco Lake. They are conducting an assessment of the lake as part of an ongoing study of streams and lakes in the Mullica River watershed. Capturing and categorizing the various species helps determine the health of the body of water. The data from the study will also be added to the town's ERI.

The boys are working to earn their Cub Scout Environment Badges as they search for snails, small fish and insect larvae.

Part of the study involves talking to residents living near lakes and streams.



Atco Lake in Waterford, where the Environmental Commission has been conducting an assessment of the lake's health.

Photo by Michael Hogan/
hoganphoto.com

"We want to educate people about how fertilizer and dog droppings can lead to more polluted waters," says Commission Member Terri Chiddenton. "For those whose back yards end at the lake's edge, they shouldn't mow the grass all the way down to the lake. When it rains, that just increases the amount of runoff containing fertilizer."

The project was funded by a Conservation Resource Inc. grant.

~Julie Lange Groth

Chathams share eco films with residents

A joint initiative of the Chatham Township Environmental Commission and Chatham Borough's Green Initiatives Committee (CBGI) offered free viewing of eco films starting in 2010 and continuing into 2012. Among last year's films was the documentary film *A Chemical Reaction*. Event sponsor Green Path LandCare was on hand to provide information about organic lawn care.

The Water Symposium in February 2010 drew the largest audience where clips from the films *Flow** and *Tapped** were shown. Attendees were invited to participate in a blind taste test comparing bottled water and tap water from both towns. Local water experts discussed topics like "What's in the tap water in the Chathams?" and "What are the sources of your water?" The panel included experts from NJ American

Water; Passaic River Coalition; Great Swamp Watershed Association; the New Jersey Department of Environmental Protection; and the Chatham Township Planning Board and Environmental Commission. Vendors were on hand to discuss water filters.

Last May during National Wetlands Month, the film *Turning the Tide** was shown, featuring a history of the Hackensack Meadowlands – once used as a wasteland and dumping ground. Displays and a discussion followed with tips for saving water and information about rain barrels.

Other informative films included *The Future of Food*, *Food, Inc.* and *KillowattOurs**. The two films on food focus on genetic engineering of food crops and exposing the truth about what we eat. *KillowattOurs* deals with reducing energy use and expense and provides information provided by the NJ Clean Energy program on proper disposal of compact fluorescent light bulbs.

The next film is scheduled in November, *The Next Industrial Revolution.** It includes case studies of organizations that reinvented technical enterprise to be more sustainable and profitable.

(Films with an asterisk* are available on loan from ANJEC.) ~Michele Gaynor

ANJEC depends on our business members to help pay for the cost of printing the *ANJEC Report*. Please let them know that you saw their ad here. Remember, however, that ANJEC does not necessarily endorse any of these firms.

Ecological ES Solutions

**Consulting services for the conservation community
Assessment, Planning, Stewardship, Research**

Michael Van Clef, Ph.D.
9 Warren Lane, Great Meadows, NJ 07838
Telephone: 908-528-6674, Fax: 908-637-4448
E-mail: mvanclgef@hotmail.com
www.njecologicalsolutions.com

DENNIS W. HUDACSKO
Zoning & Planning Consulting

Community Character & Scenic Protection

135-2 Cowperthwaite Road (908) 781-5610
Bedminster, NJ 07921 zoningexpert@verizon.net
<http://mysite.verizon.net/hudxo2/>

Berkeley Heights studies the benefits of its trees

By **Kerry Miller**, ANJEC Assistant Director, and **Len Berkowitz**, Berkeley Heights Environmental Commission Chair

Although the many environmental and economic benefits of trees are well documented, most towns do not know the precise value of their community forest. The Berkeley Heights Environmental Commission obtained a \$10,000 Sustainable Jersey grant in 2010 to collect accurate data on its tree canopy and quantify the “green infrastructure” functions of the trees. The Commission used the grant to hire the Global Ecosystem Center (GEC) of Washington, DC, to carry out a canopy study and modeling that took five months to complete.

GEC created a land use and land cover dataset for Berkeley Heights by analyzing high-resolution aerial photos. It developed precise measurements of the percentages of land in each of six classes (open space/grass, trees, impervious surface, impervious undercover, water and bare surface) for 2008. It also analyzed lower resolution satellite data for Berkeley Heights and ten surrounding towns covering the years 1984, 1996, 2001, 2006 and 2010. The data enabled GEC to quantify the land cover trends and patterns of change over those years. A larger area than just Berkeley Heights was required for trend analysis because of the lower resolution for the historical data set.

GEC used CITYgreen software, created by the nonprofit American Forests, to analyze the land cover data and quantify the impact of Berkeley Heights’ trees on stormwater runoff, air pollution removal, and carbon storage/sequestration.



Project findings

Overall, Berkeley Heights had a robust tree canopy in 2008, estimated at about 57 percent of its land area. Impervious surfaces covered 26 percent of the town. This included impervious areas shaded by tree cover, categorized as “impervious understory.” As might be expected, canopy cover was high (78 percent) in park areas, relatively high (59 percent) in residential areas, and low (20 percent) in commercial, industrial and multi-family housing areas.

The CITYgreen analysis indicated that in 2008 Berkeley Heights’ tree canopy provided 14.3 million cubic feet of stormwater detention services, valued at \$28.6 million. This figure reflects the cost of structural stormwater facilities that would be needed if the town’s canopy cover were removed.

The study also showed that the trees remove 125 tons of air pollutants (carbon monoxide, ozone, nitrogen dioxide, particulate matter and sulfur dioxide) per year. The model assigned a value of approximately \$700,000 to this service, based on avoided externality costs to society, such as public health costs due to

respiratory illness. The cooling effect of trees actually prevents the formation of ground level ozone, which can exacerbate asthma and other serious breathing problems. Trees in Berkeley Heights help avoid the creation of about 73,000 pounds of ozone annually.

Leonard Berkowitz, chairman of the Environmental Commission, is convinced that the canopy study has provided a lot of useful information. It educated municipal officials and the public on the value of trees in the community, and put a dollar figure on that benefit. More specifically, it emphasized the tree canopy's contribution to controlling stormwater runoff, a function the community may not have associated with trees, but which is a concern for residents due to local flooding problems.

The importance of "small" decisions

Trend analysis for the eleven area towns showed tree canopy disappearance

amounting to over 1 percent of total area since 1984 and a similar increase in impervious surface. Modeling showed that a change of this magnitude increased stormwater runoff by about 5 percent. It is important for the public and officials to understand the dynamics of trees and stormwater because this amount of conversion likely results from a series of very small, seemingly innocuous decisions, the kind that planning boards and officials make every day. The Commission is currently exploring possible changes in the town's ordinances related to impervious coverage.

Berkeley Heights has distributed its canopy study report to the environmental commissions of the neighboring towns. The findings have already been publicized through a number of talks and articles, and the Environmental Commission plans to continue its community outreach. The full report is posted on the Commission's web site, www.bh-ec.org. 

ANJEC depends on our business members to help pay for the cost of printing the *ANJEC Report*. Please let them know that you saw their ad here. Remember, however, that ANJEC does not necessarily endorse any of these firms.





Call: Peter A. Marcalus
Tel: 201-406-3971, pamarcalus@gmail.com

Cutting Edge On Site Food Waste Recycling Solution!

- ✓ ***In-Vessel Composting System***
- ✓ ***Continuous Process Through Daily Loading***
- ✓ ***Automated Process & Low Maintenance***
- ✓ ***Minimal Operator Interaction***
 - ✓ ***Great For Schools --- Educational Data Logger***
- ✓ ***Four Model Sizes That Can Handle All Capacity Needs***

Recycles Virtually All Types Of Food Waste Into Useful Compost In Just 14 Days!

Scan me!



ANJEC in the City

By **Julie Lange Groth**, ANJEC Report Editor

People in Paterson seeing green

The area in front of the Passaic County Court House on Hamilton Street in Paterson was transformed into a pedestrian plaza on Tuesday, June 28, when the County partnered with the Paterson Green Team to host the City's first Green Fair.

The street was bustling with activity and bright ideas as exhibitors from throughout the county took the time to educate the public about many aspects of green living, from energy conservation and gardening to recycling and composting. Visitors could visit the "build your own rain barrel" station, kick the tires of a plug-in electric hybrid vehicle, learn how to sprout plants, bring in water samples from home for free testing and have their documents securely shredded. Vendors handed out free compact fluorescent light bulbs and offered garden plants for sale.

Gianfranco Archimede, executive director of the City of Paterson Historic

Preservation Commission, saw the fair as a great learning opportunity for citizens. As the City strives to use more green energy, the Great Falls serves as a landmark reminder of Paterson's long history as one of America's first generators of renewable hydroelectric energy.

One of the biggest supporters of the green initiative in Paterson is Councilman Andre Sayegh. "Paterson is a sustainable city. We are returning to our sustainable roots," he said. "We hope to be the standard bearer for city sustainability."

Freeholder Bruce James said there are great possibilities today for green industry in Passaic County, adding that the County is first in the State and 28th in the nation in creating jobs last year. "We are looking to attract green businesses because green is the future of industry," he said. "Paterson was the first industrialized city in the nation and we want people to know that

Paterson can come back."

Paterson Green Fair in full swing!



Camden rain garden replaces abandoned gas station

A new rain garden at the site of an abandoned gas station has transformed a neighborhood eyesore into an attractive and ecologically functional asset at a key gateway to the Waterfront South neighborhood in Camden. Located at South Broadway and Chelton Avenue, the abandoned gas station had been a blemish on the neighborhood for nearly 20 years.

The rain garden is designed to manage about a million gallons of stormwater per year. Encompassing approximately a half-acre of land, it is part of a broader joint initiative between the City and the New Jersey Department of Environmental Protection (NJDEP) to address stormwater problems in Camden that includes construction of 40 rain gardens throughout the city.

NJDEP worked in close partnership with the Camden County Municipal Utilities Authority and City stakeholders, led by the Heart of Camden civic group, to remediate

the gas station site and build the rain garden. The project was made possible by a settlement with the Camden County Municipal Utilities Authority stemming from past odor violations at its nearby sewage treatment plant.

Several NJDEP officials joined in the dedication ceremony. "The DEP is extremely proud to make a difference in this neighborhood by helping clean up this site and transform it into a rain garden that will serve many important functions – controlling flooding, cleansing stormwater before it enters the ground, and serving as an attractive gateway to the Waterfront South neighborhood," said Wolf Skacel, Assistant Commissioner for Compliance and Enforcement.

"The addition of this rain garden and others that are being planted across the City truly help make Camden a cleaner, greener, and more beautiful City," Camden Mayor Dana L. Redd said.


Secaucus advances green agenda

In June, the Mayor and Council of Secaucus signed a resolution to support the statewide ban on natural gas development involving hydraulic fracturing. But there's a lot more going on in the city to foster sustainability. In a recent article in the *Hudson Reporter*, Secaucus Mayor Michael Gonnelli announced that he has reactivated the Secaucus Environmental Committee after a long hiatus, and formed the Secaucus Green Team, both headed by Amanda Nesheiwat. He described Nesheiwat as "a young dynamic leader armed with significant knowledge and resources on all matters environmental."

"Ms. Nesheiwat is currently planning an energy outreach initiative aimed at the youth of Secaucus, and she is also the organizer of our first ever Green Summer Festival, an educational event that I know will be a lot of fun for the whole family."

A number of green initiatives are already underway in the city. For example, the city's fleet of vehicles now includes

eight hybrids, with two more planned in the near future, each saving taxpayers roughly \$300 per month in reduced fuel consumption. In addition to saving the town about \$36,000 per year altogether, these vehicles reduce emissions that damage the environment. The city has also reduced costs, energy consumption, and environmental impact by replacing light bulbs, fixtures and heating units at the Department of Public Works garage, municipal ice rink, and animal shelter. These upgrades are projected to save over \$30,000 in electricity costs in the first year alone.

Mayor Gonnelli pointed out that over the past two years, Secaucus has also planted over 250 trees, a measure that leads to the reduction of harmful gasses, noise pollution, erosion and runoff. "Our trees also shade buildings, streets, and homes, resulting in cooler temperatures and lower energy costs during the hot summer months," he said. 

Deepening the Delaware

A controversial project

By **Cheryl Reardon**, ANJEC South Jersey Bayshore Project Director

Deeding projects in the Delaware River's main shipping channel date back to the late 1800s when the River's controlling depth was 18 feet. However, the Army Corps of Engineers' current plan to deepen the main channel by five feet (from 40 to 45 feet) from Cape May to Philadelphia (102.5 miles) continues to be fraught with controversy dating back to 1983.

The National Environmental Policy Act (NEPA) requires the Army Corps to assess

available science, information, and data to update its analysis of the environmental impacts of the deepening project. To date, the Army Corps has failed to do so.

Over the 28 years the Army Corps has pushed to move ahead with the project, they have not provided a current Environmental Impact Statement (EIS). Rather, they have continued to rely on a 14-year-old Supplemental Environmental Impact Statement (SEIS).



Aerial view of the Walt Whitman Bridge spanning the Delaware River between Philadelphia, PA to Gloucester City, New Jersey. Photo by Doc Searles

In November 2009, the Delaware Riverkeeper Network, on behalf of five environmental organizations (National Wildlife Federation, New Jersey Environmental Federation, Delaware Nature Society, Clean Water Action, and the Delaware Riverkeeper Network's River Resources Law Clinic) filed an independent legal challenge in US District Court in New Jersey against the Delaware deepening proposal. The groups also filed in Delaware District Court to intervene in and support the legal action brought against the deepening by the State of Delaware.

Relying on current, sound scientific data, various agencies have challenged the Army Corps' lack of an updated SEIS and raised concerns relating to the health and well being of people, marine life, wetlands, habitat, and water quality – as well as the economy. Agencies questioning the project include: the U.S. Fish and Wildlife Service; the National Marine Fisheries Service; the Delaware River Basin Commission; the New Jersey Department of Environmental Protection (NJDEP); the Delaware Department of Natural Resources and Environmental Control; the University of Delaware's Sea Grant Program and more.

Whither the spoils?

Over 80 percent of the dredging spoils are coming to New Jersey communities – not to Pennsylvania as initially stated by project supporters. To accommodate the amount of material, the size of existing confined disposal facilities and the height of spoil piles must dramatically increase to up to 95 feet – far exceeding the magnitude anticipated by host communities. The engineering and environmental ramifications along with community impacts of towering spoils dikes have not been subject to review and comment by the Army Corps of Engineers, government agencies, experts or the public.

Other concerns include threats to:

- drinking water supplies for New Jersey and Pennsylvania communities;
- a variety of fish due to reintroduction of toxins that damage critical habitat; and

- wetlands that are important to the environment as well as for storm protection to communities.

New information from the NJDEP, using the Army Corps' own data, documents the polluting effects of dredge spoil disposal on the Delaware River, which is already overburdened with heavy metals and toxic contamination that result in fish consumption advisories as well as other ecological and health implications.

The economics of dredging

The Delaware River provides the foundation for a healthy economy and healthy communities throughout the region. Deepening the Delaware puts at risk a wide array of fish, shellfish, and wildlife that are critical for providing hundreds of millions of dollars of income and jobs to communities, the region and beyond. The oysters threatened by the deepening provide up to \$3 million of economic benefit to our region. The horseshoe crabs in jeopardy are not only critical for ensuring that vaccines and medical devices are safe for use by humans, but also support a \$150 million biomedical industry and \$34 million in ecotourism income for our region.

In addition, information issued by the state of Delaware documents the harm caused by the Kelly Island and Broadkill Beach spoil disposal projects to horseshoe crabs, horseshoe crab spawning and egg viability, migratory shorebirds dependent upon those eggs, sea turtles dependent on horseshoe crabs as prey species, and oysters – all of which have tremendous environmental and economic value to the region.


Of course, in a depressed economy jobs are an important consideration. Pennsylvania Governor Rendell has promised the deepening project will provide new jobs for ship and port workers. However, this claim is based on questionable data since, according to the Army Corps of Engineers, deepening the Delaware will not provide more goods to come up the River, but rather the same volume of goods will be carried on fewer, larger ships with fewer vessel calls. In actuality, the efficiencies created by deepening the Delaware will likely result in job loss.

As business in the Delaware River ports continues to grow without a deepened channel – and as the demand for oil (the biggest project beneficiary) in our region and country continues to decline – with no increase in new jobs expected, the need for deepening has yet to be substantiated with up-to-date data, analysis, and time for public comment.

Taking a stand

Delaware Riverkeepers' blog states: "that the Army Corps of Engineers would be willing to break the law in order to press forward with a dangerous project that threatens our environment, drinking water, and all of the jobs that depend upon clean water and healthy fish, oyster and birding communities of the Delaware River is unconscionable. When Govern-

ment is willing to break the law, citizens must rise up and defend it – that is what we are doing – defending our right to clean water, clean air, fish we can catch and feed our children, wetlands and floodplains that protect us from pollution and floods."

In July 2011, Delaware Riverkeeper Network drafted a letter to the Army Corps of Engineers, to which ANJEC and several environmental organizations signed on, outlining the Corps' "failure to fulfill the obligation to provide accurate, complete information," and demanding that the Army Corps undertake a new SEIS process on the Deepening project without further delay. 

Member of  **EarthShare**[®]
New Jersey

anjec


is proud to be a member of Earth Share New Jersey

For more information contact ANJEC at (973) 539-7547 today.

ANJEC depends on our business members to help pay for the cost of printing the ANJEC Report.

Please let them know that you saw their ad here.

Remember, however, that ANJEC does not necessarily endorse any of these firms.



RTP
Environmental Associates, Inc.

**AIR • WATER • SOIL • SOLID
WASTE
CONSULTANTS**

239 US Hwy 22 East (732) 968-9600
Green Brook, NJ (732) 968-5279
New Jersey 08812 www.rtpenv.com

Donald F. Elias
A. Roger Greenway

HEYER, GRUEL & ASSOCIATES
Community Planning Consultants

236 Broad Street
Red Bank, NJ 07701

Tel 732 741 2900
Fax 732 741 2929

mail@hgapa.com

www.hgapa.com



Smart Planning Updates



By **Sandy Batty**, ANJEC Executive Director

Affordable housing remains in flux

The August 1st edition of the *New Jersey Register* contains Governor Christie's reorganization plan abolishing the Council on Affordable Housing (COAH). Citing cost-savings and elimination of duplication, the plan states that the Department of Community Affairs (DCA) is to assume COAH's responsibility to enforce the *Fair Housing Act (FHA)*.

In 1985, the legislature passed the *FHA* because many affordable housing decisions were being made by the courts, and the *Act* instead put the decision-making in the hands of the lawmakers. The *FHA* established COAH, giving it jurisdiction for administering municipal housing obligations in the context of sound regional planning.

COAH established requirements for how municipalities would meet their housing obligations, and also determined how much low- and moderate-income housing each municipality was to provide. The agency became increasingly unpopular as towns felt their obligations were too high and/or had been calculated incorrectly. Some parties also blamed COAH for fostering sprawl development, but in reality COAH suggested many ways for municipalities to meet their obligations without promoting sprawl, such as group homes, rehabs of substandard housing, creation of accessory apartments and buying down mortgages of low-income homeowners.

Although COAH was established by law, the Governor can legally terminate the agency, but the Legislature also has the legal right to override his decision. However, the likelihood of a legislative override is small. Last year both the State

Senate and Assembly voted for a bill that also would eliminate COAH. That bill also set up new methods for municipalities to meet their affordable housing obligations. The legislation was a compromise, worked out because the Senate and Assembly bills were originally very different. The compromise based town affordable obligations on measurements of local poverty, such as the percent of children eligible for free or reduced-price school meals.

However, in January, the Governor conditionally vetoed that legislation, saying that he would approve the original Senate version, which gave greater leeway to towns to determine their own housing obligations. The Legislature did not amend the bill to meet the conditions of his veto, so the veto stands.

DCA takes the wheel

Now DCA has the responsibility for crafting regulations to determine how municipalities should meet their housing obligations. Currently, COAH's "third round" regulations, adopted in final form in 2008, are in litigation, and in January the Court granted a delay to COAH in reproposing the rules because they were being challenged.

The Court recently decided one of the legal challenges regarding affordable housing in the Highlands Region. In September 2008, Governor Corzine's Executive Order 114 directed COAH and the NJ Highlands Council to cooperate in revising growth projections for the region. In August 2009, COAH issued a resolution and accompanying guidance document amending significant parts of the third round rules for Highlands municipalities,

specifically the sections that determined those municipalities' projected growth share obligations. Because of the new data on existing development and vacant land, COAH granted municipalities in the Highlands extensions till June 2010 to comply with its third round rules. In its August 15, 2011, decision, the Appellate Court invalidated COAH's resolution and guidance document, because they were not adopted according to the provisions in the *Administrative Procedures Act*. (However, in the same decision the Court upheld the *Highlands Regional Master Plan*.)

The latest action regarding affordable housing was a passage of a law in August that extended the moratorium on imposition of fees on non-residential construction to help fund affordable housing. The moratorium was continued to help spur commercial construction. Unfortunately, the funds raised from this fee were to go to municipalities to help construct low and moderate income housing. Without the fee, municipalities are more likely to turn to builder's remedies to finance construction.

At this writing, much of affordable housing policy remains in flux. DCA is likely to issue new regulations governing

housing, but legal challenges to the regulations are also expected. ANJEC will continue to update municipalities as changes occur.

Highlands Act holds up to Court scrutiny

On August 15 five important NJ Appellate Court rulings upheld the legitimacy of the *Highlands Act* and the validity of the *Highlands Regional Master Plan (RMP)* as a tool for defending drinking water quality for the State's residents. The decisions affirmed that the *RMP* is the guiding planning document for the Highlands region. Two of the decisions were published decisions providing an analysis of the development of the *RMP* and the transfer of development rights (TDR) program.

In *Re Highlands Regional Master Plan, Executive Order 114, etc*, the Appellate Division of the Superior Court found in favor of the Highlands Water Protection and Planning Council in a challenge brought by the Fair Share Housing Center,



Musconetcong River flowing through Byram Riverside Park in the NJ Highlands

affirming that the *RMP* has other objectives in addition to growth projections that are a factor in determining affordable housing obligations. The *RMP* must also consider “aspects of land use planning, including preservation of the Highlands Region’s agricultural areas, significant historic areas, and open space, brownfield remediation and redevelopment and the protection, restoration and enhancement of surface and groundwater quality.” The decision also upheld the *RMP*’s requirement that Highlands towns provide affordable housing in an environmentally sensitive manner.

In another ruling *In Re Adoption of Highlands Regional Master Plan*, the Court rejected a challenge to the Highlands Transfer of Development Rights (TDR) program by J&S Group of Wanaque, affirming that the Council’s TDR program conforms to the provisions in the *Highlands Act*, which requires that designated TDR receiving areas are voluntary. This means Highlands municipalities are not required to accept additional growth in these areas. In fact, participation by Highlands municipalities in the TDR program is voluntary. Even though the Highlands Council fell short of the *Act*’s goal of designating 4 percent of the land of the Planning Area as receiving zones, the Court found that the *Act* required this only if it “would not compromise the integrity of the ecosystem” of the area.

The court upheld the constitutionality of the *RMP* in separate challenges by Toll Brothers and Bocina Homes Corporation (Dockets A0923 and A104608), who argued that the *RMP* violated their rights by raising unfair obstacles to their development plans in Pohatcong and Far Hills. The court ruled that the developers should resolve their arguments at the municipal zoning level, rather than attacking the legality of the *RMP*. 🌿



ANJEC Project Director Dave Peifer (left) and Jim Shissias of PSE&G chat in the sunshine.

Glasses raised at ANJEC fundraiser

ANJEC hosted a wine tasting at Unionville Vineyards in Ringoes on Sunday, June 12. Mother nature provided a perfect sunny setting and Mountain View Music supplied a lively bluegrass soundtrack for ANJEC friends and supporters.

Thanks to our sponsors for helping to make it a successful event, including ShopRite of Hunterdon County, Gellotti's Ice Cream, James Toyota/Kia, Muirhead Foods and Peapack Gladstone Bank.

Thanks also to everyone who donated silent auction items. 🌿



Guests socialize and bid on silent auction items at the ANJEC wine tasting on June 12



Mountain View Music provided lively entertainment



Guests sample several Unionville Vineyards wines at the ANJEC wine tasting



ANJEC staff and trustees at Unionville Vineyards

Visionaries sought to plan Bayshore Byway

By **Cheryl Reardon**, ANJEC South Jersey Bayshore Project Director

The South Jersey Bayshore Coalition (www.sjbayshore.org), whose work is coordinated by ANJEC, is seeking people and organizations to help envision the future of the South Jersey Bayshore Heritage Byway, which will wind along 122 miles of New Jersey's western shore from the Delaware Memorial Bridge to the southern tip of Cape May.

The Byway, which was officially designed in July 2009 as one of the state's Scenic Byways (www.state.nj.us/transportation/community/scenic), will tell the story of a globally unique place – its people, culture and character. The new Corridor Management Plan Committee (CMC) will work with Lardner/Klein Landscape Architects to plan for an enjoyable and safe journey for visitors and residents alike. The group will:

- assist in the formulation of a vision, goals and objectives for the plan;

- identify important features and opportunities along the Byway; and
- assist in the development of strategies to preserve and enhance the Byway.

The CMC will also consider moving forward with designation of the Bayshore Byway under the Federal Highway Administration's National Scenic Byway Program.

The CMC welcomes a broad cross section of interests, including property

owners, historians, representatives from municipal, county, state and federal agencies with an interest in the Bayshore Heritage Byway, and other key community stakeholders from Salem, Cumberland and Cape May Counties. The group will meet a total of seven times over the next year and hold two public workshops.

Please call Cheryl Reardon at (856) 769-4220 or email anjec.cheryl@gmail.com if you are interested in participating. 🌿

The first CMC meeting will be held on Monday, October 24, from 2 to 4 pm at the Luciano Conference Center at Cumberland County College, 3322 College Drive, Vineland, NJ.



Egg Island Photo by Jim Klein



Jane Morton Galetto with horseshoe crabs at Fortescue
Photo by Jim Klein

Paperless ANJEC Report Now Available!

ANJEC members can now choose to receive the quarterly *ANJEC Report* via email! Hundreds of readers have already made the switch since we made this option available.

Choose your format!

If you would prefer to receive your *ANJEC Report* electronically in the future, please let us know. Benefits include:

- Earlier delivery (one to three weeks ahead of the mailed version);
- Full color cover;
- Easy, one-click links to articles and references;
- Easily downloaded onto your electronic reading device.

You will also help us reduce the magazine's carbon footprint by eliminating some of the paper, printing chemi-



icals and transportation involved with producing our magazine.

To sign up for a free, members-only subscription to the paperless *ANJEC Report* just contact us at info@anjec.org or call (973) 539-7547. 🌱

ANJEC staffer recognized

Friends and colleagues feted ANJEC Project Director Cheryl Reardon at a special celebration on May 14 where she received the State of New Jersey Joint Legislation Commendation, signed by Third District Legislators Stephen Sweeney, Senate President; Assemblyman John Burzichelli; and Assemblywoman Celeste Riley. The commendation noted Reardon's service as a Pilesgrove Township Committeewoman as well as her role in the adoption of the town's Conservation Design Land Use Ordinance, the formation of the Woodstown-Pilesgrove Joint Environmental Commission and the creation of the advocacy group, Concerned Pilesgrove Residents.

The commendation declares that "the people of New Jersey are genuinely indebted to hard-working and inspiring citizens, personified by Cheryl A. Reardon, whose time and energies are committed to improving her community and the quality of life of her neighbors." 🌱



*Cheryl Reardon, ANJEC
South Jersey Project Director*

Clean Energy Corner



ANJEC comments on *Energy Master Plan*

By **Julie Lange Groth**, ANJEC Report Editor

The comment period for the 2011 draft *Energy Master Plan (EMP)* has ended after three public hearings in August and an opportunity to submit written comments by August 25. ANJEC has joined with several other environmental nonprofits to advocate for an unflagging commitment by the State to renewable energy, strong energy conservation goals backed by incentives, and continued participation in the Regional Greenhouse Gas Initiative (RGGI). The group also opposes the scaling back of the current 30 percent goal for clean energy generation to 22.5 percent and the elimination of key Clean Energy programs that help make New Jersey's homes and businesses more energy efficient.

Here are some of the key points from written comments ANJEC submitted on the *EMP*:

- New Jersey should stand strong in its commitment to renewable energy by maintaining the Renewable Portfolio Standard goal established in the 2008 *EMP* of at least 30 percent renewable energy by 2020, and should provide adequate

- funding to continue promoting clean energy for all classes of ratepayers.
- New Jersey should implement a strong, statewide plan to reduce energy demand by at least 20 percent by 2020, and should provide adequate funding to help



PSE&G brownfield solar development in Trenton.

all classes of ratepayers make homes and buildings more energy efficient.

- New Jersey should continue to participate in the Regional Greenhouse Gas Initiative (RGGI), one of our only tools to tackle air pollution and greenhouse gasses from power plants, and should permanently dedicate RGGI funds to the clean energy projects for which they were originally intended.
- The EMP should include a comprehensive transportation component with specific strategies to reduce emissions by promoting electric vehicles, mass transit, transit-oriented development and other approaches to decreasing vehicle miles travelled.
- Energy generation and transmission facilities should be sited in a manner that avoids negative environmental impacts.

The final EMP is expected to be released by year end. For more information on ANJEC's position visit <http://www.anjec.org/Alerts.htm#emp>. To see the draft EMP go to <http://www.state.nj.us/emp/index.shtml>.

New financing available for energy improvements

The New Jersey Economic Development Authority is now offering revolving loan funds to Pay for Performance participants with an approved energy reduction plan. Pay for Performance is an energy efficiency program for businesses and institutions through the New Jersey Clean Energy Program that provides incentives towards whole-building energy improvements. Financing, in the form of low-interest loans, can be used to support up to 80 percent of total eligible project costs, not to exceed \$2.5 million or 100 percent of total eligible project costs from all

public State funding sources.

Owners of existing commercial, industrial, and multifamily buildings with a peak demand in excess of 100 kW can save 15 percent or more on

energy costs with the help of the Clean Energy Program's approved partners and receive other incentives along the way.


The New Construction component is designed for new commercial, industrial, and multifamily buildings with 50,000 square feet or more of planned space, as well as buildings undergoing substantial renovation.

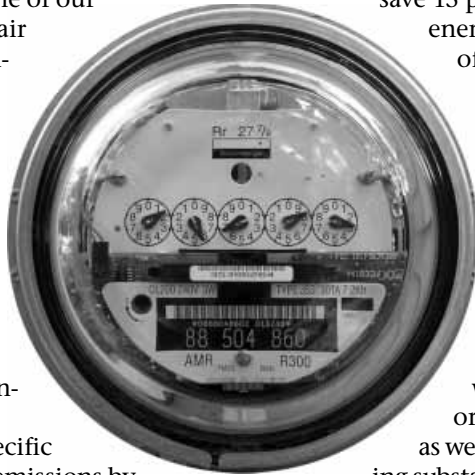
Owners can receive incentives for construction that achieves energy costs 15 percent below the current energy code with the help of our approved partners. Find more information at www.njcleanenergy.com/P4P.

Record solar installations in June

June was a record month for the solar industry in New Jersey with 520 solar projects installed in one month, totaling over 40 MW of capacity. This new single-month record for both installed solar capacity and number of installations brings the State's installed solar capacity to more than 380 MW generated from over 10,000 solar arrays statewide, a new milestone.

Governor Chris Christie said, "This ground-breaking achievement is the latest example of New Jersey's leadership as one of the largest and fastest growing solar energy markets in the United States."

Only California has more solar generation than New Jersey, thanks largely to the NJ's Solar Renewable Energy Certificate (SREC) Registration Program that pays system owners an incentive for energy generated. 



Good Earthkeeping

Information commissions can duplicate to use in their communities New Jersey gets right with E-waste

By **Kerry Miller**, ANJEC Assistant Director

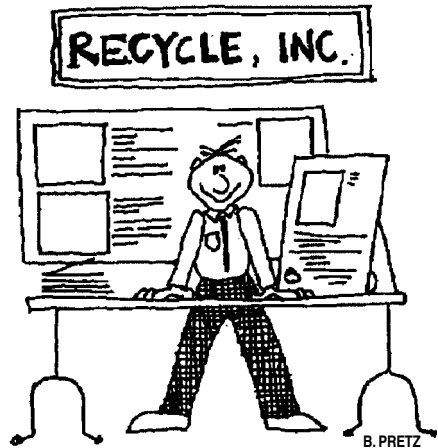
Unfortunately, it's just human nature to be more concerned about the "getting" side of material goods than the "where does it go when we're done with it" side. Since the mid-20th century, broken televisions and, later, computers, monitors, and all manner of electronic phones and devices have been discarded into the trash along with the banana skins and old shoes.

This practice ignored the array of toxic materials these products contain, including lead, mercury, cadmium, nickel and fire retardants. When PCs, monitors and TVs go up in smoke in incinerators, or into the ground in dumps or landfills, their toxic ingredients disperse into the water and atmosphere where they can impact health.

New e-waste law

On January 1, 2011, New Jersey pulled the plug on this practice. The *Electronic Waste Management Act*, passed in 2007 and now in effect statewide, **bans the disposal of computers, monitors and televisions into the regular waste stream**. It also requires all companies that manufacture these products for sale in New Jersey to do their share to cover the costs of proper disposal and recycling. In its first year, the new law is expected to keep over 50 million pounds of e-trash out of solid waste facilities in New Jersey.

The new e-waste disposal law may require a bit of retraining on the part of consumers, but it should not be a major inconvenience. Nor should consumers (individuals and companies with up to 50 full-time employees) have to pay a fee to



drop off any computer, monitor or television at a designated facility. Manufacturers must have a plan approved by the New Jersey Department of Environmental Protection to provide collection points for e-waste, an obligation they may satisfy by establishing their own facilities, or through agreements with retailers or private contractors.

Free collection points

Statewide, there are hundreds of free collection points, as listed on www.nj.gov/dep/dshw/ewaste/collectionsites.pdf (or call 866-337-5669). Some are manufacturer sites that only accept items they have produced. Others, including nonprofits (Salvation Army, Goodwill) and electronics retailers (Best Buy) accept computers and TVs made by any manufacturer. Some sites are run by professional recycling firms under contract for the work.

Every NJ county and many municipalities have e-waste recycling programs that include special collection events and drop-off points. Check your county's official website or call your county recycling coordinator, listed in the Blue Pages of your phone book, to find out about collection dates and locations.

While the new law mandates recycling of computers, monitors and televisions, it does not require manufacturers to collect other consumer electronics such as cell phones, computer keyboards and accessories, printers, DVD players or electronic games. However, some retailers and some county-sponsored collections do accept a wider range of electronic products, and keeping these items out of the trash stream is important, as well, to prevent pollution and conserve resources.


Waste not, want not

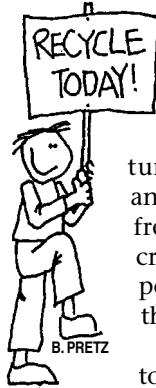
E-waste can contain small amounts of gold, silver and other valuable metals, as well as plastics and other materials that can be reclaimed through demanufacturing. Recycling saves energy and resources, and helps to avoid the environmental impacts of mining or extracting raw materials to produce new products. Look around for places, including some retailers, that accept consumer electronics for recycling. If an item is still useful, you may find a new owner for it through

Freecycle, or donate it to a nonprofit or school. It's good to remember when shopping, whether for consumer electronics or anything else; today's waste may be tomorrow's shortage.

Technology advances quickly, and our electronic devices now become obsolete almost before they're out of the box. And more people are acquiring technology with each passing year. According to NJDEP, the proportion of electronic waste in the total waste stream, currently around 2 percent, is growing rapidly. As we turn over our computers, smart phones and other devices with increasing frequency, it becomes all the more critical that we recycle them to prevent pollution and repurpose the materials they contain.


New Jersey has taken a big step toward improving e-waste practices through the *Electronic Waste Management Act*, and consumers can take the initiative as individuals to also recycle the consumer electronics that are not covered under the new law. Proper disposal is a small price to pay for the benefits and enjoyment we derive from our e-tools and e-toys.

For more information about e-waste recycling, visit the NJDEP web site at www.state.nj.us/dep/dshw/ewaste/index.html. 



Network with ANJEC

Social networking can offer important tools for staying connected, getting news out quickly and gathering feedback in a world where people have many choices for how they communicate. That's why ANJEC is now on both Facebook and Twitter. We'd love to highlight your town's successes on our Facebook page, so please "friend" us at www.facebook.com/ANJECpage and then post your commission or green team events, activities and accomplishments.

And if you use Twitter (www.twitter.com), please follow ANJECtweets and we'll return the favor! 



ANJEC Annual Report

Want to know more
about what we've been up to?
Read about it in our
2010 Annual Report

In the midst of a very challenging economic and political climate, ANJEC completed another productive year of supporting the efforts of environmental commissions across the state, and protecting local environmental resources through state and regional initiatives.

Confirming that ANJEC continues to fulfill this mission, one commission chair wrote in his annual report to his town "ANJEC is the lifeline for our commission."

The 2010 Annual Report is now posted on the ANJEC web site at www.anjec.org.



Don't miss out!

If we don't have your current email address, you could be missing valuable information from ANJEC.

With increasingly tight budgets, and mailing costs on the rise, ANJEC will be depending more and more on email to share late-breaking environmental news, announcements about trainings and events, and other developing information of interest to local environmentalists. To make sure you're in the loop, send your current email address to info@anjec.org.

Post your events on the ANJEC web site

Planning a green fair, environmental film festival, trail walk or other local happening? ANJEC will post announcements of events hosted by NJ environmental commissions, green teams, open space committees and other groups that are ANJEC members.

Just email a description of 75 words or less to info@anjec.org. Include the event name, date, time, location and either a web site link, email or phone number where people can seek further information about the event.

ANJEC reserves the right to edit submissions before posting.

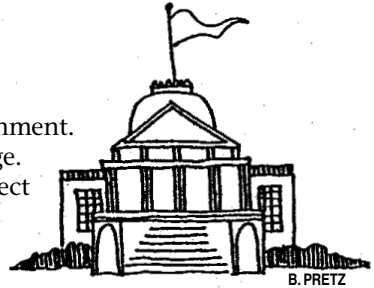
Coming in early December!

Capitol Day with ANJEC

You can influence what happens in Trenton!

- Meet key legislative leaders on energy and the environment.
- Learn how bills move from committee through passage.
- Find out what's brewing at the Statehouse that may affect the environment in your community and statewide.

Watch your email for details, or check our events page at www.anjec.org/Events.htm



New updated ANJEC Resource Papers

Open Space Plan

Because open space preservation is generally a long-term initiative spanning many administrations, a comprehensive plan is important to assure continuity and policy consistency. This resource paper will help put it all in perspective, including:

- What goes into an open space plan and who creates it?
- Subjects required for Green Acres Planning Incentive Program;
- Factors for ranking lands for preservation;
- Information sources and ideas for funding;
- Action plan elements.

Municipal Options for Stormwater Management

New Jersey is no stranger to catastrophic storm events, but it doesn't take a disaster to see how rainfall and stormwater runoff affect municipalities and jeopardize water quality. This resource paper discusses:

- What municipalities must do to protect and manage water quality;
- Contents of a stormwater management plan;
- Zoning and land use ordinances to protect water resources;
- Structural and nonstructural best management practices;
- EPA Phase II stormwater permits.

ANJEC has mailed sample copies of both of these new resource papers to each member environmental commission. They can also be downloaded from the ANJEC web site at <http://www.anjec.org/PubsResourcePapers.htm>, where you can also order additional paper copies. For more information, please email info@anjec.org or call (973) 539-7547.



Thanks to ANJEC member communities

We are grateful to the thousands of volunteers serving as local officials from more than 380 municipalities and counties who are part of ANJEC. These dedicated people--from municipal and regional environmental commissions and green teams to open space committees, planning boards and governing bodies--dedicate their time and efforts to assuring a clean environment and high quality of life in their communities and throughout our State. 



B. PRETZ

ANJEC depends on our business members to help pay for the cost of printing the *ANJEC Report*. Please let them know that you saw their ad here. Remember, however, that ANJEC does not necessarily endorse any of these firms.

The environmentally-conscious choice for safe, responsible, and efficient concrete washout!




**Lower Total Cost Alternative
100% Compliant
EPA Recommended
Reclaimed Concrete is Recycled**

**HaftekCWS@yahoo.com
www.concretewashoutnjny.com
877-NYC-WS88**

Tax break on charitable donations from IRAs

If you are at least 70½ years of age, you can make a contribution to ANJEC directly from your IRA account and help satisfy your Required Minimum Distribution (RMD). This constitutes an extra tax break, because RMD amounts up to \$100,000 that you donate directly to a charity can be excluded from your taxable gross income.

Since there is no tax deduction involved, even those who don't itemize deductions may participate.

Don't wait to take advantage of this opportunity - it's only available through December 31, 2011. If you will be 70½ by the end of this year, talk to your IRA plan administrator about transferring IRA funds directly to ANJEC as a charitable contribution. 



B. PRETZ

ANJEC depends on our business members to help pay for the cost of printing the ANJEC Report.

Please let them know that you saw their ad here.

Remember, however, that ANJEC does not necessarily endorse any of these firms.



Green Sky Industries

*“Recycling
for all the right reasons”*

Corporate Headquarters:
42 Chestnut Street
Clifton, New Jersey 07011

*With facility locations in
Clifton and Carteret, New Jersey.*

Telephone: (973) 772-0253
Website: www.GreenSkyInd.com

- Endangered Species Surveys
- Wildlife Inventories/Studies
- Habitat Mitigation Proposals



Biostar Associates, Inc.
ENVIRONMENTAL CONSULTANTS
Jill Stein Dodds
President

jsdodds@biostarassociates.com
(908) 234-0870 (908) 996-3214

- Wetland Delineations
- Ecological Impact Assessments
- Photography
- Expert Testimony



Kratzer Environmental Services
www.kratzerenv.com

Environmental Resource Inventories
ERI/NRI Updates
GIS Maps
Data Analysis & Management
Web sites

19 Hill Road Deborah J. Kratzer
Frenchtown, NJ 08825 President
908-996-2576 dkratzer@embarqmail.com



SUN FARM NETWORK



FULL SERVICE SOLAR

Trust your Solar Project to
One of NJ's Solar Founders,
SUN FARM NETWORK, a
Full Service Solar Project Developer!

For a Free Solar Evaluation and Site Survey -
Call: 908.782.4172 or
Visit www.SunFarmNetwork.com
Email: Info@SunFarmNetwork.com

ANJEC depends on our business members to help pay for the cost of printing the *ANJEC Report*. Please let them know that you saw their ad here. Remember, however, that ANJEC does not necessarily endorse any of these firms.

GET EDUCATED ON ENERGY SAVINGS

Energy efficiency upgrades don't need to break your facility's budget. In fact, they may barely make a dent.

FINANCIAL INCENTIVES AVAILABLE

New Jersey's Clean Energy Program™ offers an extensive array of comprehensive plans that make energy efficiency more accessible than ever. You'll save up front through sizeable financial incentives and down the line with considerably reduced utility bills.

To get your share, visit NJCleanEnergy.com/MUNI or call 866-NJSMART to speak to a representative.



NJ SmartStart Buildings® is a registered trademark. Use of the trademark without permission of the NJ Board of Public Utilities is prohibited.

ANJEC depends on our business members to help pay for the cost of printing the *ANJEC Report*. Please let them know that you saw their ad here. Remember, however, that ANJEC does not necessarily endorse any of these firms.

BANISCH
ASSOCIATES, INC.

*Conserving Resources and
Renewing Community since 1976*

111 Main Street, Flemington, NJ 08822
908.782.0835 www.banisch.com

RUTGERS
New Jersey Agricultural
Experiment Station



**Providing solutions for the many water
quality and quantity issues facing New Jersey.**

Rutgers Cooperative Extension Water Resources Program
Rutgers, the State University of New Jersey
14 College Farm Road
New Brunswick, NJ 08901

P. 732-932-9800 ext.6209 F. 732-932-8644
(Christopher C. Obropta, Ph.D., P.E.)

www.water.rutgers.edu

**OPEN SPACE & NATURAL RESOURCE
PLANNING SERVICES FOR LOCAL
GOVERNMENTS...**



DELAWARE VALLEY
dvrpc
REGIONAL
PLANNING COMMISSION

Alison Hastings
Senior Environmental Planner
215-238-2929
ahastings@dvrpc.org



Casey & Keller, Inc.
CIVIL ENGINEERS, LAND SURVEYORS, PLANNERS



P.O. Box 191
258 Main Street
Millburn, NJ 07041
Ph 973-379-3280
Fx 973-379-7993

PARK DESIGN
GREEN ACRES SURVEYS
REDEVELOPMENT

www.caseyandkeller.com

We Recycle!
*Construction & Demolition Debris,
Bulky Waste & Scrap Metal*

MONTICALVO
Disposal Services

Earn LEED Credits
10-40 Yard Containers Available
Pick Up & Delivery Services Available



MDS Accepts:
*Type 13 (Bulky Waste),
Type 13C (Construction &
Demolition Debris) &
Type 27 (Dry Industrial
Waste)*

Contact Us
Phone: 732-738-6000 • Fax: 732-738-9150
www.bayshorerecycling.com • info@bayshorerecycling.com
75 Crows Mill Road Keasbey, NJ 08832

ANJEC depends on our business members to help pay for the cost of printing the *ANJEC Report*. Please let them know that you saw their ad here. Remember, however, that ANJEC does not necessarily endorse any of these firms.





ENVIRONMENTAL AND ENGINEERING STUDIES

- Environmental Impact Statements
- Wetland Studies
- Flood Plain Studies and Flow Control
- Stormwater Best Management Practices
- Natural Resource Inventories
- Site Evaluation Studies
- Permits
- Expert Testimony

ENVIRONMENTAL LAND USE PLANNING

- Community Master Plans
- Zoning and Land Development Ordinances
- Environmental Ordinances
- Site Plans & Subdivisions
- Development Feasibility Studies
- Expert Testimony

John A. Thonet, PE, PP,
 14 Upper Kingtown Road
 Pittstown, NJ 08867
 Tel: 908.238.0473
 Fax: 908.238.9164
 j.thonet@thonetassociates.com
www.thonetassociates.com



AMY S. GREENE ENVIRONMENTAL CONSULTANTS, INC.

ENVIRONMENTAL RESOURCE INVENTORIES
 GREENWAY PLANS
 OPEN SPACE STEWARDSHIP PLANS

4 Walter E. Foran Blvd., Ste 209, Flemington, NJ 08822
 908-788-9676 Fax 908-788-6788
mail@amygreene.com www.amygreene.com

Celebrating 25 Years!

The ELM Group, Inc.



Environmental Engineering, Planning, and Risk Management Consultants since 1989

www.exploreELM.com

BARTLETT.

BECAUSE FULL, HEALTHY TREES MAKE FOR FULL, HEALTHY LIVES.




BARTLETT TREE EXPERTS
SCIENTIFIC TREE CARE SINCE 1967

For the life of your trees.

PRUNING FERTILIZATION PEST & DISEASE MANAGEMENT REMOVAL
 CALL 877 BARTLETT 877.227.8538 OR VISIT BARTLETT.COM






Hatch Mott MacDonald

Headquarters: Millburn, NJ
 offices throughout North America
800.832.3272
www.hatchmott.com

ECO SYSTEMS

Environmental Consulting

Thomas D'Angelo
 17 Indian Terrace
 Lafayette, NJ 07848
 973-875-8585
 Fax: 973-875-8080



Environmental Impacts • Resource Inventories
 Grants • Wetlands

Thanks to ANJEC
Corporate Platinum Donor
PSE&G

Corporate Silver Donors
Atlantic City Electric
Church & Dwight Co., Inc.

Corporate Donor
Bristol-Myers Squibb Company



THE DOGGETT CORPORATION

ROGER D. MELICK

TEL 800-448-1862 ■ 908-236-6335 FAX 908-236-7716
melickr@cs.com

Lebanon, New Jersey 08833 Modesto, California 95354

Princeton Hydro **pH**

Providing
Experience, Expertise,
and Excellence

for all your **Water, Soil** and
Natural Resource needs:

Stormwater Management • Lake Restoration
Environmental Resource Inventories • Grant
Application Assistance • GIS Services • Expert
Testimony • Technical Review • Environmental
Restoration • Stream Restoration • Watershed
Studies • Water Resource Engineering • Invasive
Species Management • And so much more!

PrincetonHydro.com t. 908.237.5660
info@PrincetonHydro.com f. 908.237.5666

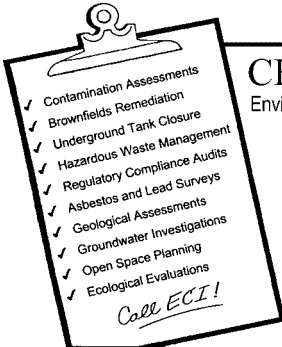


phfieldnotes.
blogspot.com



Watershed Assessment & Restoration
Environmental & Biological Assessments
Environmental Modeling Studies
Stormwater & Wastewater Management
Energy Efficiency & Renewable Energy

James F. Cosgrove, Jr., Principal
Research Park, 321 Wall Street, Princeton, NJ 08540-1515
Tel: (609) 924-8821x111 Fax: (609) 924-8831
JCosgrove@Omni-Env.com



CHECK with the experts

Environmental professionals serving government, commercial and industrial clients since 1980.



Environmental Compliance, Inc.

101 Mt. Bethel Road, Warren, NJ 07059

PROFESSIONAL SCIENTISTS AND ENGINEERS

For a free consultation contact John Jimenez or Joseph Torlucci

(908) 754-1700

web site www.eci-nj.com

e-mail: j.jimenez@eci-nj.com



ASSOCIATION OF NEW JERSEY
ENVIRONMENTAL COMMISSIONS

P.O. Box 157
Mendham, NJ 07945

Non Profit Org.

U.S. Postage

P A I D

West Caldwell, NJ

Permit No. 195