



TOWNSHIP OF MORRIS
**ENVIRONMENTAL
COMMISSION**

**2021
ANNUAL
REPORT**



FROM THE CHAIRPERSON

The Township of Morris Environmental Commission hit the ground running in 2021, buoyed by the addition of four new voting members and six first-ever associate members. This infusion of energy and expertise enabled the Commission to broaden the scope of its agenda, with new initiatives in energy aggregation, conservation, community outreach, composting, regional collaboration and the pursuit of Sustainable Jersey certification. Remarkable progress was made on all fronts, as evidenced by the various accomplishments detailed in the report that follows, and the credit goes to the members and their selfless dedication to a greener future for the Township.

Informing the Commission's efforts was the looming threat of global climate change. New Jersey has and will continue to experience climate-related warming and sea level rise in excess of the rest of the country and one need look no further than storm Ida to appreciate the harsh reality of this change. Termed the remnants of a tropical depression, Ida essentially was but a very severe thunderstorm and yet it delivered tornadoes and precipitation at the rate of three inches per hour to parts of the State and resulted in significant loss of life and property damage. And science dictates that we shall see more and likely worse Idas as the earth continues to warm.

Each of us bears a social responsibility to combat this existential challenge to our world. For its part, the Commission will continue to promote climate-response and sustainability measures and will encourage the Township to lead by example. Anyone with an interest in the environment and a desire to contribute is encouraged to join in the Commission's work. Go to www.morristwp.com and complete a volunteer application and/or subscribe to the Commission's monthly newsletter. You also are encouraged to attend the Commission's meetings on the second Thursday of each month. Together we all can make a difference.

Buz Kenney

TOWNSHIP OF MORRIS ENVIRONMENTAL COMMISSION

2021 ANNUAL REPORT



1

THE ENVIRONMENTAL COMMISSION

The Township of Morris Environmental Commission is a municipal advisory commission created by Township ordinance pursuant to enabling authority conferred under a 1968 New Jersey statute. As stated in the ordinance, the Commission exists for the protection, development and use of natural resources, including water resources, located within the Township and, like most environmental commissions within the State, the Commission interprets this directive broadly to embrace the range of issues described in this report.

The Commission is restricted to seven voting members and two alternate members who only vote when required to achieve a voting quorum. At its November, 2020 meeting the Township Committee adopted an ordinance suggested by the Commission and providing for the appointment of an unlimited number of non-voting associate (adult) and student members to provide people interested in the environment with a sense of empowerment and connection to the Commission's activities while also expanding the experience and effort that could be brought to bear in discharge of the Commission's affairs. Adoption of the ordinance paid an immediate dividend with the January appointment of the Commission's first six associate members.

The 2021 Commission members are set out below with their respective years of term expiry. Hereafter in this report, the term "member" will refer to all Commission voting, alternate and associate members unless otherwise specified.

| Voting Members | Alternate Members | Associate Members |
|---|-------------------------|--------------------------|
| Daniel “Buz” Kenney, 2022 <i>Chairperson</i> | Barbara Buda, 2022 | Ned Gardner, 2021 |
| Jennifer Carcich, 2023 | Mary Ellen Murray, 2021 | Leslie Jones-Wentz, 2021 |
| Tilly-Jo Emerson, 2021 * | | John Landau, 2021 |
| Siva Jonada, 2022 | | Charles Schachter, 2021 |
| Cecile Kent, 2023 | | Sanjiv Sharma, 2021 |
| Brian Morgan, 2023 | | Steve Tractenberg, 2021 |
| Joshua Saks, 2021 | | |

* Resigned October, 2021



2

ENVIRONMENTAL REVIEWS

The Environmental Commission has as its primary function the review of proposals submitted to either of the Township’s land use boards to ascertain and report any adverse environmental impact. As in prior years, various Commission members sought to sharpen their site review skills through participation in the annual site review training workshop conducted by the Association of New Jersey Environmental Commissions as part of its virtual “Fundamentals for an Effective Environmental Commission” webinar in January.



Given the complexity of some of the site applications, however,

Commission members felt a need for more enhanced training, so the Commission organized and hosted an Advanced Site Review webinar in June. The webinar was open to all Commission members, members of the Township’s land use boards and environmental commissions from surrounding municipalities. Jennifer Coffey, Executive Director of the Association

2021 Highlight

Organized and hosted an Advanced Site Review webinar for members of Township’s land use boards and neighboring ECs

of New Jersey Environmental Commissions, and Dr. Christopher Obropta, Extension Specialist in Water Resources with Rutgers Cooperative Extension and Professor in the Rutgers Environmental Sciences Department, presented a comprehensive treatment of environmental site reviews and associated stormwater issues.

The following environmental reviews were completed by the Commission in 2021:

| Planning Board | |
|----------------|--|
| PB-01-21 | Joseph Savage, 34 Starlight Drive — proposed minor subdivision to create one additional residential lot |
| PB-02-21 | John Street Associates, LLC, 4 John Street — proposed construction of a 20 x 20 foot pavilion-style bar |
| PB-03-21 | H'Y2 Mt. Kemble , LLC, 412 Mt. Kemble Avenue — proposed installation of solar canopies over existing open-air parking |
| PB-04-21 | Madison Avenue Urban Renewal, LLC, 315 Madison Avenue — proposed redevelopment of existing historic structure with a two-story addition and other related improvements consistent with the Township Redevelopment Plan |
| PB-05-21 | Medical Center at James Street Condominium Association, 261 James Street — proposed installation of an emergency generator |
| PB-06-21 | Morris School District, 10 Jane Way — proposed installation of a temporary classroom |
| PB-07-21 | Anna Management, 222 Madison Avenue — proposed conversion of former TD Bank building to accommodate a Dunkin Donuts retail outlet |
| PB-08-21 | Morris County Housing Authority, 99 Ketch Road — proposed installation of five natural gas-fired emergency generators |
| PB-09-21 | Order of St. Benedict of New Jersey (Delbarton School) — proposed installation of an emergency generator |
| PB-10-21 | Morris Marketplace Urban Renewal Entity LLC, 191 East Hanover Avenue — proposed installation of an emergency generator and proposed building design modification to accommodate two new tenants |
| PB-11-21 | Assumption of the Blessed VM-Holy Rood Cemetery, 61 Whippany Road — proposed installation of a columbarium |

| Board of Adjustment | |
|---------------------|--|
| BA-01-21 | S/K Mt. Kemble Associates, LLC, 350 Mt. Kemble Avenue — proposed parking lot expansion and reconfiguration to accommodate realignment of access road to service a proposed residential development on adjacent property in Township of Harding |

| Board of Adjustment | |
|---------------------|--|
| BA-02-21 | Brijendera Singh and Kulvinder Kauer, 14 Normandy Parkway — proposed installation of a 10-foot high practice wall and two 18-foot high light poles on an existing tennis court |


3
COMMUNITY OUTREACH

The Environmental Commission made significant strides during the year toward its goal of establishing an effective and ongoing community outreach program. With the easing of pandemic restrictions in the spring, Commission members were able to interact with the public at a number of events, raising the Commission’s public profile and growing its base of support.

On Earth Day, Commission members hosted a home composter sales event (see “Composting”) at the Ginty Pool parking lot and assisted in a Township tree giveaway at the Streeter Pool parking lot. The Commission co-sponsored and its members participated in a Great Swamp Watershed Association native plant sale in May (see “Conservation”). Commission members also staffed a booth at the June 12 Whippany River Watershed Action Committee BioBlitz in Lewis Morris Park. The Commission launched its own e-mail distribution list in January and, thanks to members aggressively seeking subscribers at the public events, grew the list to over 350 names by November. Also, the Commission will maintain an outreach table at the Morristown Grow it Green Winter Farmers Market to be held at the Convent Station Depot parking lot on Sundays from December through March.

- 2021 Highlights

 - Dedicated EC e-mail distribution list
 - Monthly electronic EC newsletter
 - Six in-person outreach events, including a Festival on the Green booth
 - Distribution of reusable shopping bags



The culmination of the in-person outreach campaign came on October 3 when the Commission staffed a tent at the Morristown Festival on the Green. Sporting their new kelly green Commission polo shirts (purchased at personal expense), members promoted sustainable landscaping, energy aggregation and the upcoming State single-use plastic ban, and answered questions on topics ranging from the spotted lantern fly to climate change. Native plant seed packets were available for the taking and reusable shopping

bags branded with the Commission name and Township seal were distributed to all who added their contact information to the Commission’s electronic distribution list. But the most popular attraction was the mini table and chairs where children fashioned acorn holders from rolled newsprint and potting soil, with the goal of adding new oak seedlings to the Township’s tree canopy.

The Commission’s electronic outreach campaign began in February with the addition of an “Environmental News You Can Use” section to the Township’s Municipal Messenger electronic newsletter. This practice soon evolved into a monthly stand-alone Commission newsletter containing at least one feature article and several smaller news items. Commencing with the September issue, the Commission was given access to the Township’s Constant Contact account and assumed all newsletter layout, formatting and graphics production responsibilities theretofore handled by the Township Administrator’s office. The newsletter has been quite well received, as evidenced by the numerous favorable e-mails directed to the Chairperson each month.

 **4** **ENERGY AGGREGATION**

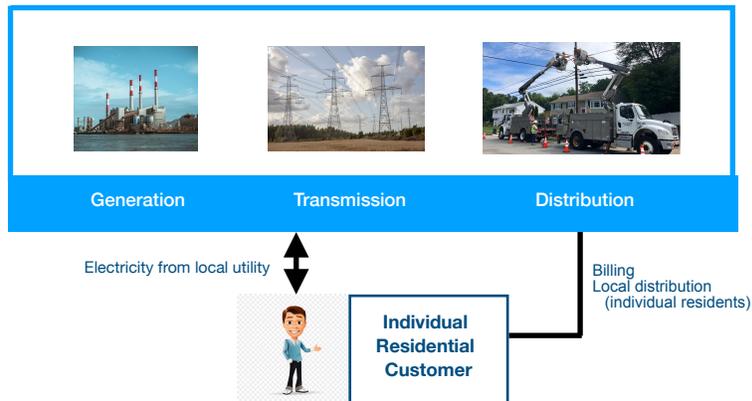
At its November, 2020 meeting, and following a presentation by Dan Falkner, former Commission Chairperson, the Township Committee unanimously adopted a resolution directing the Environmental Commission to investigate the benefits of governmental energy aggregation for the Township’s residents.

The aggregation of individual electric customer accounts became possible with deregulation of the electric utility industry in the 1990s. Deregulation separated the industry’s generation, transmission and retail distribution components into independent businesses and allowed individual customers to seek more favorable rates from electricity generators other than JCP&L. Governmental energy aggregation, which was specifically authorized within New Jersey by a 2003 statute, takes this concept one step further, allowing the Township to leverage the combined purchasing power of its residents to obtain a single, lower electric rate for all. Residents participating in an aggregation pool would receive a lower electric rate owing to a group contract entered on their behalf by the Township with an independent electricity supplier (see [Chart A](#) below).

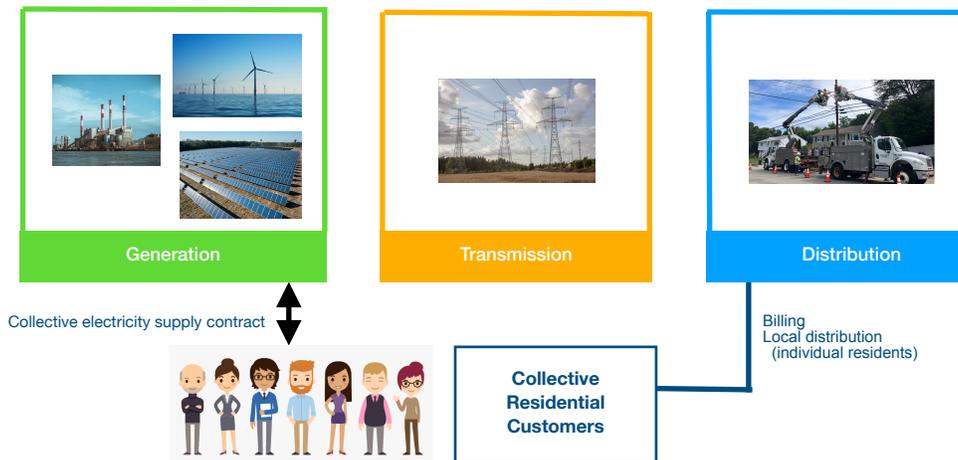
2021 Highlight
**Researched
economics,
aggregation
contract
alternatives**

Chart A

BEFORE DEREGULATION:



ENERGY AGGREGATION (AFTER DEREGULATION):



The aggregation contract may be entered with the Township on a stand-alone basis with the Township and one or more other municipalities to enhance the collective buying power through increased scale. Either way, Township residents would continue to have JCP&L as their retail electric distributor and would see no change, other than rate, in their monthly bill format.

Adoption of an energy aggregation program by the Township also would afford residents the ability to increase the proportion of their electricity derived from renewable sources such as

solar, wind and hydropower. At present, New Jersey mandates that approximately 20% of all electricity delivered within the State come from such sources. However, the Township could require a greater renewable proportion as a condition of any energy aggregation contract and the contract might also give residents the ability to purchase up to 100% renewably-sourced electricity on an individual account basis for a modest incremental monthly charge.

Acting in furtherance of the Township Committee directive, Commission members devoted significant time during the year developing a sophisticated understanding of governmental energy aggregation and the various contract approaches available to the Township. Discussions were held with officials in other New Jersey municipalities with successful programs and with representatives of the three multi-town energy aggregation cooperatives proximate to the Township. Because aggregation contract terms would be established through a competitive auction conducted by a consultant retained by the Township but paid by the successful supplier, members also contacted prospective consultants within the field to gain a fuller understanding of the process. And effort was directed to increasing resident awareness of the benefits of energy aggregation through the Commission newsletter and the public events described in the “Community Outreach” section.

 **5** **ENERGY EFFICIENCY**

One of the primary drivers of the Environmental Commission’s ongoing agenda is a desire to combat the growing climate crisis by reducing the Township’s carbon footprint. The Commission early on



determined that to convince its residents to become more energy efficient, the Township should lead by example and, to that end, in February, 2020, the Commission recommended that the Township Committee pursue an energy audit of the Township’s facilities. Under the Local Government Energy Audit Program administered by the New Jersey Bureau of Public Utilities as part of its Clean Energy initiative, municipalities are eligible for full grant funding of the cost of an audit to (i) establish how qualifying facilities use energy, (ii) identify conservation measures to reduce such facilities’ energy use and (iii) assist municipalities in implementing all potential energy reductions.

2021 Highlight
Grant-funded energy audit of thirteen Township facilities

Because of the distractions of COVID-19, the Township was not in a position to seek audit funding until the fall of 2020. When formal application finally was submitted, the Township was informed that of its thirteen municipal facilities, only two met the 200 kw last-twelve-month average peak electricity demand eligibility threshold. The Township appealed the determination and ultimately convinced the BPU to fund audits of all of the Township's properties. An initial meeting with the consultants conducting the audit was convened in May and the final audit reports are anticipated to be complete by year end.

Grant funding for up to 80% of audit recommendation implementation costs is available through the BPU Clean Energy Direct Install program and the Commission intends to encourage the Township Committee to seek full implementation. Case studies of various municipalities that have completed the program indicate that the municipal share of the cost generally is recovered through energy cost saving within from two-and-one-half to three-and-one-half years.

 **6** **COMPOSTING**

Beginning last year, the Environmental Commission had as one of its fundamental goals the reduction of municipal waste. Less waste incinerated or deposited in a landfill translates to fewer toxins in the air we all breath and the water we all drink, but there also is an immediate economic benefit as the Township's waste disposal costs would be reduced, saving taxpayer money.

2021 Highlight
Multi-town on-line composting webinar and composter sale

A principal method of municipal waste reduction is the recycling of organic waste through composting and the Commission aggressively promoted resident composting in 2021.



The Commission partnered with the Madison and Chatham environmental commissions in organizing and hosting a well-attended March 22 on-line forum, "Composting Simplified", featuring Rutgers master gardener Cheri Wilczek. The joint commissions also conducted an on-line home composter/rain barrel sale, with the Commission hosting the Earth Day pick-up event at the Ginty Pool parking lot. 73 composter units and 14 rain barrels were delivered at the event. The Commission and its partner commissions hope to repeat the event in the coming year.

Commencing in 2020, at the request of the Township Committee’s Standing Committee on the Environment, Energy and Sustainability, the Environmental Commission undertook a consideration of tree removal on Township residential lots, culminating in the preparation of a suggested revision to the existing Township tree ordinance. The revision, which was based on a 2013 revision that was proposed but never adopted, was discussed at the Commission’s December, 2020 meeting and several concerns were identified by the Township’s professionals. A subsequent meeting among the Township Administrator, Township Engineer and Commission Chairperson failed to resolve the primary concern of insufficient manpower to administer the permitting contemplated by the proposal so the Commission sought to find a different approach.



2021 Highlights

Researched residential tree ordinance

Co-sponsored regional native plant sale

Invasive plant list

Commission members examined tree ordinances in effect in other New Jersey municipalities and ultimately concluded that to overcome the administrative burden concern, any Township residential tree ordinance should be predicated upon the involvement of a professional arborist and that the best path to this end would be to create a Township shade tree commission. The latter body would enable the Township to proactively manage its own urban forest assets to develop policies and set an example for its residents before pursuing residential tree regulatory measures. Adoption of a shade tree ordinance and an approved tree management plan would help shield the Township from tree-related litigation and would open the door to a variety of cost-sharing grants. To this end, three Commission members completed the New Jersey Forestry Service Urban and Community Forestry Core Program Training in October.

The proliferation of plant species not native to New Jersey poses a significant problem for the Township. Invasives tend to supplant native plants that sustain our natural ecosystem and constitute a distinct threat to the life cycles of local insects, birds and other wildlife. The Commission studied this growing problem and concluded that it would be in the best interests of the Township to inform the public of the identity of so-called “do-not-plant” invasive plant species with the intent of limiting the introduction and spread of such species



within the Township. Further, through the provision of advance guidance, prospective developers would be spared the expense of revisions to remove invasives from their landscape plans.

At its August meeting, the Commission unanimously voted to recommend that the Township Committee adopt a resolution encouraging all residents and developers to not plant and, as reasonable, to remove existing non-native plants identified on the New Jersey Invasive Species Strike Team's Do Not Plant List. The suggested form of proposed resolution was provided to the Township Committee and taken under advisement by the Township's professionals since the resolution also encourages the Township to avoid such plants in its public spaces.

 **8** **GREEN TRANSPORTATION**

The transportation sector contributed 42 percent of all greenhouse gas emissions generated within New Jersey in 2018, with on-road gasoline-fueled vehicles accounting for 72 percent of the sector's total emissions. And fully 86 percent of vehicle miles traveled within New Jersey in 2018 arose from just two vehicle types: gasoline-powered light duty trucks, such as pick-ups, and gasoline-powered passenger cars. These vehicles combined to generate almost 30 million metric tons of carbon dioxide. The New Jersey Department of Environmental Protection 80x50 Report calls for an 80 percent reduction in New Jersey greenhouse gas emissions by 2050 and to begin to achieve this reduction, the report sets a goal of 330,000 battery-powered and plug-in hybrid light-duty vehicles registered within the State by 2025.

2021 Highlight
Student EV registration tracking project

NJDEP produces semi-annual electric vehicle registration statistics by postal zip code and the Environmental Commission wondered how the Township was faring in contributing to pursuit of the 2025 objective. To answer the question, the Commission turned to the Unity Charter School and Mrs. Jeannette Hainzl's advanced placement mathematics class. Students Thijs Anglim, Derek Ghelli, Noah Ghelli, Ben Harter, Thomas Engie O'Connor and Lian Onigman analyzed the NJDEP data, researched the energy efficiency of electric vehicles, and presented their findings at the June Commission meeting. The students have been asked to



continue to track the Township EV registration numbers as they are published and provide periodic updates.

Although there now are several battery-powered electric school bus models available in the American market, the significant up-front purchase cost has created a barrier to widespread market penetration. In March, the Commission learned of a pilot program that could make battery-electric buses far more attractive. Called “V2G”, or vehicle to grid, the program would allow bus operators to transfer excess battery charge remaining at the end of each day back to the local retail electric distributor during the late afternoon/early evening peak rate period. The buses then could be recharged during off-peak overnight hours when retail electric rates tend to be lower. Proceeds from the sale of the battery electricity would accrue to the bus operator and could be used to offset a portion of the operator’s local electric usage. The Commission provided information on this program to the Morris School District.

The Township purchases certain of its vehicles through the NJSTART cooperative purchasing program. In November, acting at the request of the Township Administrator, the Commission provided EPA estimated mileage and other performance-related information for various hybrid and plug-in hybrid vehicle models available under the fleet purchasing component of the NJSTART program.

A horizontal banner with three sections: a dark green section on the left with the Township of Morris Environmental Commission logo, a blue section in the middle with the number '9', and a light green section on the right with the text 'REGIONAL COLLABORATION' in bold black letters.

TOWNSHIP OF MORRIS
ENVIRONMENTAL
COMMISSION

9

REGIONAL COLLABORATION

Environmental issues know no boundaries so the Environmental Commission’s efforts in 2021 extended beyond the Township. As detailed elsewhere in this report, the Commission partnered with commissions in Madison and Chatham in a composting webinar and home composter and rain barrel sale. And the Commission was a co-sponsor of, and its members volunteered at, a Great Swamp Watershed Association native plant sale.

Commission members also continued their proactive participation in the Northern Jersey Sustainable Municipal Alliance, an ongoing collaboration of environmental commissions and municipal officials from towns across northern New Jersey. Like the Commission, the Alliance works through sub-committees — energy aggregation, green building, regional climate action strategy, stormwater utilities, green transportation/municipal fleets and pesticides — and Commission members in 2021 were involved in each one. Several members participated in an ongoing, cross-committee effort to prepare a template that may be tailored by different municipalities to create custom climate action plans. Through their participation in the Alliance, Commission members also were able to cultivate relationships with persons beyond the Township, thereby

A light green rectangular box with a black border containing text about a 2021 highlight.

2021 Highlight

**Increasing
consultation and
cooperation
outside of
Township**

broadening the knowledge and experience that could be brought to bear in pursuing the Commission’s agenda.

In late spring, Commission members attended a virtual meeting convened with the purpose creating a multi-town Sustainable Jersey “hub” to foster communication and collaboration among the participants in their respective Sustainable Jersey certification efforts. Unfortunately, the group subsequently chose the second Thursday of the month as their ongoing meeting date and the resulting conflict with the Commission’s monthly public meeting date precluded further Commission involvement.



Township residents who otherwise might not have access to renewably-sourced electricity due to the cost of residential solar installation or, if renters, a lack of rooftop control may be able to go green under the New Jersey community solar program. Launched in 2019, the community solar program is administered by the New Jersey Bureau of Public Utilities and successful applicants receive grant funding support for their projects. The program allows participants, 50 percent of whom must be of low or moderate income, to share on a pro rata basis in the cost of a remote solar array and receive a pro rata share of the income realized by the array through sale of electricity back to the grid. Typically, participants save from 10 to 20 percent on their monthly electric bills after netting out the cost and income items, and the program enables them to have a direct stake in the fight against global warming. The program also offers an ancillary benefit to Township residents as solar developers receiving BPU grant funding must recruit and train local residents for solar industry jobs.



The pilot phase of the community solar program launched in 2019 and was fully subscribed. The program’s second phase had a February 5, 2021 application deadline and in late January the Township was approached by a solar developer looking for support for a proposed community solar project. The developer had entered



into a solar rooftop lease with a local self-storage facility and proposed to seek Township residents as participants. The Environmental Commission joined with several Township Committee members and the Township Administrator in vetting the proposal and ultimately decided to issue a non-binding letter of support to accompany the developer’s application to the BPU. Unfortunately, the rooftop site fell within a

Township affordable housing overlay zone and, given the limited time remaining before the BPU submission deadline, the Township was unwilling to provide the requested letter.

In the wake of this effort, the Commission did significant research into the State community solar program. Armed with a fuller understanding of the program, the Commission sought to identify other potential community solar developers and express the Township's interest in hosting a project. This led to discussions with both the developer and the outreach consultant for a successful Franklin Township church-sponsored community solar project, and representatives of the outreach consultant gave an informational presentation at the Commission's August meeting. The Commission chairperson had a chance conversation with a representative of the Morristown United Methodist Church at the Festival on the Green and, upon learning that the Church was embarking on a green ministry, provided a description and developer contact information for the Franklin Township project.

A third round of State community solar grant funding is anticipated and the Commission will continue in its work to facilitate a community solar project that would benefit Township residents.

Also in 2021, Commission members researched the structure of, and potential funding for, "microgrid" municipal resiliency projects and determined that such a project would not be viable for the Township at this time. And Commission members researched the new SolarApp+ automated home solar permitting software developed by the United States Department of Energy's National Renewable Energy Laboratory. The software is designed to promote residential rooftop solar installation by automating the municipal plan review, permit approval and project tracking process and currently is being rolled out in New Jersey. Commission members in November met with the Township Administrator and discussed Township adoption of the SolarApp+ software program.



Sustainable Jersey is a non-profit organization that since 2009 has been empowering New Jersey municipalities to improve the environment and build a more sustainable New Jersey community by providing tools, training and financial incentives to pursue critical sustainability initiatives. Municipalities that undertake sufficient actions to promote economic, environmental and social sustainability are certified as sustainable communities by Sustainable Jersey.



The Environmental Commission had in the past been reluctant to seek such certification owing to the inordinate administrative burden entailed by the certification process. However,



with the 2021 influx of new members, including two having direct experience with Sustainable Jersey certification, the Commission concluded that the time had come. A critical condition precedent to the program was the formation of a local committee or “Green Team” to develop plans, implement projects and assist with educational opportunities to raise community awareness and facilitate sustainability within the Township. Acting on the Commission’s recommendation, the Township Committee in September unanimously adopted a resolution authorizing the creation of a green team within the Township. It is anticipated that the initial membership of the green team will be appointed at the Township’s 2022 organizational meeting in January.

Having set a goal of filing for initial Sustainable Jersey certification in June, 2022, the Commission in recent months began a process of identifying which of its projects would qualify for certification points. To be credited with such points, a project must be fully documented in writing, including all supporting reports and materials. To prepare for this task, the Commission created a dedicated, secure cloud storage site where such documentation could be posted for access as needed in preparing the Township’s certification submission.


12
ENVIRONMENTAL EDUCATION

The Environmental Commission members diligently sought to grow their expertise over the past year through participation in remote, on-line webinars offered by national, state and local academic, environmental and governmental organizations and addressing a wide array of topics pertinent to the Commission’s work. Particular attention was devoted to programs offering insight into the burgeoning number of State regulatory initiatives addressing carbon emission reduction and climate resiliency. All such training was voluntary and completed on each member’s own personal time. The following is a chronological list of the various environmental education offerings attended or participated in during 2021 by at least one Commission member:

2021 Highlight

EC members participated in 75 environmental education webinars

| Webinars | |
|------------|---|
| January 13 | Sustainable Princeton webinar — Changing the Landscape: A Community Discussion About a Sustainable Landscape Transition |

| | Webinars |
|-------------|---|
| January 21 | “The Sacrifice Zone” — Screening and discussion of environmental justice film |
| January 22 | New Jersey Climate Change Alliance webinar — What’s on the Horizon for Implementing New Jersey’s Climate Change Agenda? |
| January 27 | ANJEC webinar — 2021 Goals and Actions for Environmental Commissions |
| January 30 | Northeast Organic Farmers Organization Winter Conference webinar — Public - Private Partnerships: Building Our Local Food Systems |
| January 31 | Northeast Organic Farmers Organization Winter Conference webinar — Building Soil and Biodiversity |
| February 9 | New Jersey Highlands Coalition webinar — A River Runs By It: The Environmental and Societal Benefits of Riparian Buffers |
| February 23 | New Jersey Highlands Coalition webinar — Protecting Natural Resources in the Highlands |
| February 26 | New Jersey League of Conservation Voters webinar — Low Carbon Concrete |
| February 27 | Environmental and Sustainability Forum webinar — Citizens’ Climate Lobby Explains Energy Innovation and Carbon Dividend Act |
| March 1 | Georgetown Climate Center webinar — Transportation and Climate Initiative |
| March 4 | New Jersey Climate Change Alliance webinar — Advancing Climate Justice: A Case Study from Providence, Rhode Island |
| March 8 | Rutgers Cooperative Extension webinar — Earth Day Every Day |
| March 10 | Environment New Jersey webinar — All Aboard Electric School Buses: How NJ Can Accelerate the Transition to Zero Emissions |
| March 19 | Rutgers NJ Climate Change Resource Center webinar — Reducing the Climate Footprint of NJ Residences |
| March 23 | ANJEC webinar — Fundamentals for Effective Environmental Commissions |
| March 24 | The Watershed Institute webinar — The Basics of Monitoring Development in Your Town |
| April 8 | ANJEC webinar — Social Media Engagement for Environmental Commissions |
| April 12 | ANJEC webinar — Acting Locally to Protect Green Space |
| April 12 | Rutgers Cooperative Extension webinar — From Rain Gardens to Rain Barrels: Protecting Watersheds at Home |
| April 20 | New Jersey Highlands Coalition webinar — New Jersey Environmental Fundraising |
| April 21 | New Jersey Native Plant Society webinar — Spring Beauties for Biodiversity |
| April 22 | The Watershed Institute webinar — Lessons Learned in Stormwater Management for Minor Development |

| | Webinars |
|-----------|---|
| April 30 | Environment New Jersey webinar — The Advanced Clean Truck Rule: The Future of Electric Trucks in New Jersey |
| May 5 | New Jersey Forest Watch webinar — Empower NJ: NJ Forest Watch |
| May 13 | RideWise Inc. webinar — Let's Go Electric Workshop: Removing Barriers and Zero-Cost Solutions |
| May 19 | ANJEC webinar — New Jersey Clean Energy Program |
| May 25 | ANJEC webinar — Get Ahead of the Stampede: EV Charging in Your Town |
| June 3 | New Jersey Highlands Council webinar — Green Infrastructure Funding and Implementation |
| June 16 | ANJEC webinar — Advancing Stormwater Management |
| June 22 | ANJEC webinar — Rolling Out the New Plastic Pollution Reduction Law |
| June 22 | Township of Morris Environmental Commission webinar — Advanced Seminar on Environmental Site Review |
| June 23 | Sustainable Jersey webinar — Reducing the Carbon Footprint of Municipal and School Fleets |
| June 23 | New Jersey Clean Energy webinar — Green Homes Today! Energy Efficiency and Sustainability |
| June 24 | Rutgers New Jersey Climate Change Resource Center webinar — The Cost of Climate Change |
| June 28 | ANJEC webinar — Navigating the New Jersey Conservation Blueprint Interactive Mapping Tool |
| July 12 | Center for Global Energy Policy webinar — bp Statistical Review of World Energy 2021 |
| July 21 | Delaware Riverkeeper Network webinar — Why Does Fracking Wastewater Threaten Public Health? |
| July 21 | ANJEC webinar — Actions for Environmental Justice in New Jersey |
| July 28 | Jersey Water Works webinar — Different Perspectives, New Opportunities, Win-win Solutions |
| July 29 | Beyond Plastic webinar — Chemical Recycling: A Wolf in Sheep's Clothing that is Stalking New Jersey |
| August 6 | Port of New Bedford webinar — Offshore Wind Leases in the New York Bight |
| August 18 | Delaware Riverkeeper Network webinar — Radioactivity in Fracking! Too Hot to Handle |
| August 24 | New Jersey League of Conservation Voters webinar — What is Grey Water? |

| | Webinars |
|---------------------------|---|
| September 10 to October 8 | New Jersey Forest Service Urban and Community Forestry Program Core Training |
| September 12 | FoHVOS New Jersey Invasive Strike Team Community Conference |
| September 21 | ANJEC webinar — What's the 411 on MS4s? |
| October 7 | Lower Raritan Watershed Partnership webinar — Municipal Actions to Address Stormwater and Flooding |
| October 12 | Rutgers Cooperative Extension webinar — E2D2 in the City! Safe Soils for Urban Gardening |
| October 13 | Sierra Club New Jersey Chapter webinar — The State of Climate in 2021 |
| October 18 | Rutgers Cooperative Extension webinar — E2D2 in the City! The Past, Present and Future of Combined Sewers in New Jersey |
| October 19 | ANJEC Environmental Congress virtual address — Climate Change and Health Equity: Demystifying the Many Truths |
| October 20 | ANJEC Environmental Congress virtual workshop — Environmental Justice Advances: Tools and Resources for Community Involvement |
| October 20 | ANJEC Environmental Congress virtual workshop — Stormwater Management Challenges and Solutions |
| October 20 | ANJEC Environmental Congress virtual workshop — New Jersey Legislative Updates |
| October 21 | ANJEC Environmental Congress virtual workshop — Tools for Local Climate Action |
| October 21 | ANJEC Environmental Congress virtual workshop — Moving Forward with Electric Vehicles |
| October 21 | ANJEC Environmental Congress featured webinar — New Jersey's Clean Energy Initiatives |
| October 22 | ANJEC Environmental Congress virtual speaker — NJDEP Commissioner Shawn LaTourette |
| October 22 | ANJEC Environmental Congress virtual webinar — Social Media Tools for Environmental Commissioners |
| October 28 | RideWise Inc. webinar — New Jersey Model EV Ordinance |
| October 28 | Pen Future/OhioRiver Valley Institute webinar — Emerging Developments in Hydrogen Fuels |
| November 3 to November 5 | The Watershed Institute 5th Annual Watershed Conference virtual webinars |
| November 4 | ANJEC webinar — Plastic Pollution Reduction Law Begins: Are You Ready? |

| Webinars | |
|---------------------------|--|
| November 8 | New Jersey League of Conservation Voters webinar — Post-Election Debrief: What Does It Mean for Bold Climate and Justice Action? |
| November 9 to November 10 | ANJEC 3rd Northwest New Jersey Rivers Conference |
| November 10 | Columbia Center on Global Energy Policy webinar — Beyond Lithium-Ion: What Can We Expect from New Battery Tech? |
| November 11 | Beyond Plastics webinar — The New Coal: Plastics and Climate Change |
| November 30 | Beacon Universalist Congregation Green Ministry webinar — Habitat Gardening for Birds, Butterflies and Wildlife |
| December 2 | Columbia Energy Tech Revolution Forum webinar — Wind Energy: How Did We Get Here and What's Next |
| December 2 | Monmouth University Urban Coast Institute webinar — Reflections from the COP26 Summit: Real Progress. Or Just 'Blah, Blah, Blah'? |
| December 2 | New Jersey League of Conservation Voters webinar — Virtual Fireside Conversation with Director Ed Potosnak and Climate Scientist Dr. John Krasting |
| December 6 | Columbia Center on Global Energy Policy webinar — How Can Carbon Mineralization Help Fight Climate Change? |
| December 16 | Morris County Chamber of Commerce Environmental Sustainability Forum webinar — Energy Efficiency Programs at New Jersey Utility Companies |





TOWNSHIP OF MORRIS
**ENVIRONMENTAL
COMMISSION**

Three Ways You Can Help:

Attend the next meeting of the Environmental Commission. The Commission meets on the second Thursday of the month at 7:00 pm. A Zoom link is available on our website: www.morristwp.com.

Subscribe to the Environmental Commission's monthly electronic newsletter and spread the word by forwarding the newsletter to friends, family and neighbors. A sign-up link may be found on our website: www.morristwp.com.

Join us by completing a volunteer form at the Township Municipal Building (50 Woodland Avenue) or on-line at the Township website:
www.morristwp.com

TOGETHER WE CAN MAKE A DIFFERENCE