Moving Up to Silver Certification



January 24, 2017



Presenters



Samantha McGraw
Municipal Program Coordinator



Michael Nordquist Co-Chair, Ewing Green Team



Phil GlaweChair, Hanover Green Team



Webinar Agenda

- Certification Requirements
- Strategizing with your online application and Master Action Tracking Spreadsheet
- Recommended Actions
- Presentations from Ewing and Hanover
- Results of Silver Certified Town Questionnaire
- Takeaways
- Q&A



Current Stats and Requirements



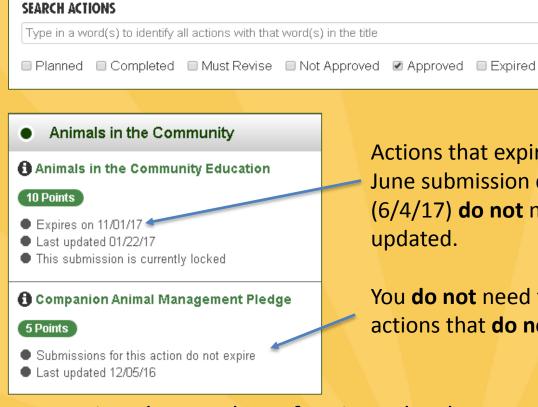
- 44 municipalities silver certified
- Average approved points: 410



- Total of at least 350 points
- Mandatory Green
 Team
- Implement 3 of 12 priority actions
- Actions completed in 8 of 20 categories

Strategizing with your Online Application

1. Determine the number of approved points, and check their expiration dates



Actions that expire **after** the June submission deadline (6/4/17) **do not** need to be updated.

You **do not** need to update actions that **do not** expire

ACTION TOTALS (Approved)		
Mandatory	1/1	0
Priority	3/12	0
Total	150/1700	•
Categories	7/20	•
Actions	11/158	•

2. Determine the number of actions that have expired and concentrate your effort on updating them

Strategizing with your Online Application

3. Determine the number of **not approved** actions and read the reviewer feedback to determine what was missing

Application Overview View details and history Help	Reviewer F
Current Status This application is IN PROGRESS	IN PROGRESS
Application History This applicant has applied one time	Certified December 6, 201
Reviewer Feedback	2 published comments 1 archived comments

Click here

- 4. Translate this information into the Master Action Tracking Spreadsheet so that your team can develop a plan to being working toward silver certification
 - Download this from the <u>Green Team Resources Page</u>
 - Spreadsheet includes the action name, submission requirements, shelf-life, resubmission requirements, and points for each action

Strategizing with your Online Application

- 5. Examine the actions for which you have not yet submitted
- 6. Assign actions to your team by identifying those with an interest in a particular area or those with access to information (i.e. recycling depot to the recycling coordinator, natural resources inventory to an environmental commission member, etc.)





Recommended Actions

<u>Action</u>	Category	<u>Points</u>	<u>Shelf Life</u>
Pledge Supporting NJ Wildlife Action Plan*	Animals in the Community	10	Non-Expiring
Companion Animal Management Plan	Animals in the Community	10	5.5 years
Climate Adaptation: Flooding Risk (Priority)	Emergency Management & Resiliency	20	3.5 years
Innovative Community Project 1-3	Innovation & Demonstration Projects	10 - 30	Up to 5 years
Green Building & Environmental Sustainability Element	Land Use & Transportation	10	10 years
Bicycle and/or Pedestrian Plan	Land Use & Transportation	10	10 years
Natural Resources Inventory	Natural Resources	20	10 years
Environmental Assessment Ordinance*	Natural Resources	10	Non-Expiring
Tree Protection Ordinance*	Natural Resources	10	Non-Expiring
Water Conservation Education Program	Natural Resources	10	3.5 years
Community Forestry Plan and Tree Cover Goal Tree Hazard Inventory Tree Maintenance Programs Tree Planting Programs i-Tree Assessment of Municipal Trees	Natural Resources	20 • 10 • 10 • 10 • 10	1 year5.5 years2.5 years3.5 years2.5 years

This is a list of actions with the highest point value, shelf life of 3 years or longer, and highest approval rating

SUSTAINABLE JERSEY

• CERTIFIED

• CERTIFIED

• CERTIFIED

• COMMUNITY AT A PARTIE OF TOMORTOW, One COMMUNITY AT A PARTIE OF TOMORTOW,



Ewing Township

Michael Nordquist, Green Team Co-Chair Registered 2009 Bronze Certified in 2013 Silver Certified 2016



Moving Up to Silver Certification

Ewing's Story



Michael Nordquist Ewing Green Team, Co-Chair



www.ewinggreenteam.o

Sustainability Jersey Webinar

January 24, 2017



Overview

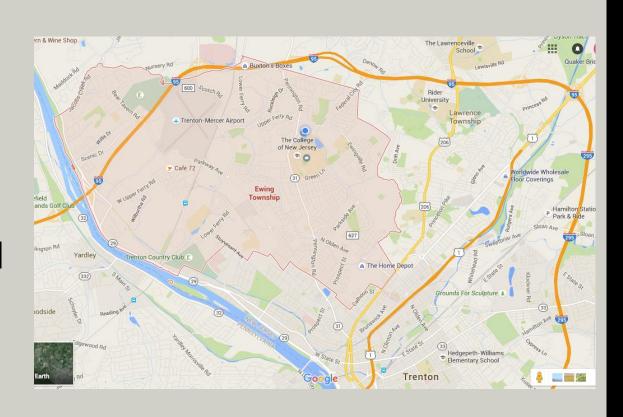
- Ewing and EGT Background
- Certification Timeline

- Identifying Actions
- Tips



Ewing Township

- First-ring suburb of Trenton
- Villages
- Post-industrial economy
- 35,790 residents
- Diversity





Ewing Green Team

- 2009: Established out of Enviro Commission
- 2013: Bronze Certification with 185 points
- 2016: Silver Certification with 460 points





Silver Certification Timeline

2014: Visioning Process

 Awarded grant to develop strategic plan



2015:

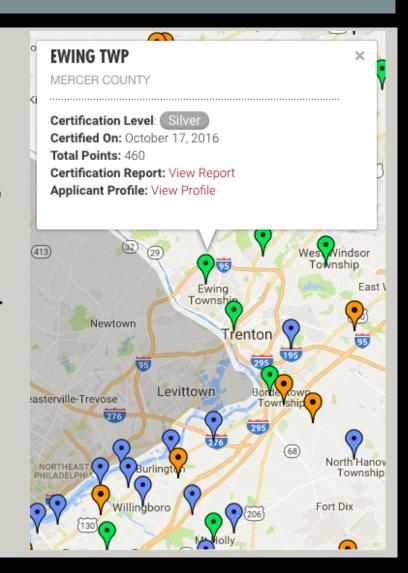
- Plan finalized, action steps detailed, roadmap to certification, committees established
- Work on actions begins/continues
- Specific SJ actions identified
 - Ranked list of actions: easy, possible, difficult, impossible
 - Listed out what needed to be done for each action



Silver Certification Timeline

2016:

- January: Reviewed actions with Green Team, township administrators, planner, DPW, Parks and Rec, Clerk, other departments
- Provided specific requests for what we needed
- April: Begin documentation process and write-up
- May: Follow up with persistence!





Identifying Attainable Actions

Easy: Already done, just need to writeup

- On-going and continued activities from previous certification
 - Community Gardens, Education and Outreach, Green Fair

Possible: Additional planning, effort, documentation

- Existing activities by other organizations
 - Community Forestry Plan, NRI, Farmers Market
- New actions that support our strategic plan
 - Business Recognition, Prescription Drug





Identifying Attainable Actions

Difficult: New Actions with significant effort

- Require council/other org action
 - Smoke-Free, Enviro Commision Site Review, Complete Streets
- Require lots of documentation
 - Energy Tracking, TOD Zoning
 Brownfields

Impossible: Everything else

- Require dramatic changes
- Prohibitive costs





Tips

- Recruit: volunteers, councils, admin, staff
- Delegate: distribute responsibilities
- Start Early: actions and documentation





Tips

- Think Big, then Pare Down: aim high
- Use Certification to Mobilize
 - Before: bring people on projects they care about
 - After: press coverage, public events





Questions?

- Michael Nordquist
 - michael.a.nordquist@gmail.com
- Ewing Green Team
- ewinggreenteam@gmail.com
- http://www.ewinggreenteam.org
- Twitter: @EwingGreenTeam
- Facebook: Sustainable Ewing Township Green Team





Hanover Township

Phil Glawe, Green Team Chair Registered 2009 Bronze Certified in 2011, 2014, 2015 Silver Certified 2016



Hanover Township Cedar Knolls / Whippany







Phil Glawe
Chair Hanover Green Team

The Journey

- Started in 2010
- Bronze certified 2011, 2014 and 2015
- Silver certified 2016



The Challenges

- Team Size
- Participation
- Momentum
- Web site



Phil Glawe
Chair Hanover Green Team

The Focus



- Waste Management
- Natural Resources
- Energy Efficiency

Waste Management





In cooperation with The Hanover Township Green Team

"Providing Jobs for People with Special Needs"

Community Shred Day

Saturday November 7, 2015

10 Ridgedale Avenue, Cedar Knolls

8:00 AM-11:00 AM



DO:

- Personal papers/documents from residents (ID required) and municipal employees (Township ID required) ONLY will be accepted.
- Place documents in paper shopping bags or cardboard boxes only.

DON'T:

- Documents must be free of paper clips, rubber bands, metal and other "non-shreddable" materials.
- NO wet paper, newspapers, cardboard, magazines, books, or other bound items.

A LIMIT OF 30 LBS. OF PAPER PER RESIDENT/MUNICIPAL EMPLOYEE WILL BE SHRED FOR FREE WHILE YOU WAIT. (HOME BUSINESSES ARE NOT ELIGIBLE.)

LARGER QUANTITIES AND HANOVER BUSINESSES WILL INCUR A .50 CENT/LB. FEE AND WILL NOT BE SHRED WHILE YOU WAIT.

*A Book Bin is available on site for your donations of used books, CD's and DVD's (No Encyclopedias or VHS tapes please)

For questions or more information, contact Maria Florio at 973-538-8822 ext. 240 or mariaflorio@ehorizons.org









Phil Glawe
Chair Hanover Green Team

Natural Resources



HANOVER TOWNSHIP ARBOR DAY CELEBRATION FRIDAY, APRIL 29TH, 1:30 P.M. – 2:00 P.M. VETERANS' MEMORIAL PARK

I) ATTENDEES:

Township Officials: Mayor Ron Francioli

Mayor Ron Francioli
Business Administrator Joe Giorgio
Forester/Arborist Rich Wolowicz
Township Engineer Gerry Maceira
Public Works Superintendent Brian Foran
Assistant Business Administrator Robin Dente
Green Team Chair Phil Glave

Special Guests:

Interim School Superintendent Robert Mooney Principal of Mountview Road School Carmen Bellino Faculty of Mountview Road School

Mountview Road School Third-Grade Classes (52 Students)

II) PROGRAM: (Students arrive 1:20/1:25 p.m.)

1:30 - 1:35: Mayor Francioli Welcomes Guests and Reads Special Arbor Day Proclamation from Township Committee

1:35 – 1:40: Arborist Wolowicz speaks to students about the tree they will help plant and importance of trees

1:40 - 1:50: Students sing "Inch by Inch" and share their writing about trees

1:50 – 1:55: Interested students invited to file by tree and use trowels and Golden
Shovel (with assistance) to put soil on new planting

1:55-2:00: Group photo taken of students, faculty, with township officials around newly planted tree

Photo taken of students holding up "Tree City USA Banner" near new tree

2:00 p.m. Students return to Mountview Road School



HANOVER TOWNSHIP ANNOUNCES FREE TREE GIVE-AWAY 2016



Hanover Township is bringing back the Free Tree Give-Away for the fall of 2016. There are 100 native trees available to the first 100 Hanover Township residents who send in their completed forms. You must be a Hanover Township resident to be eligible and it must be planted hanover Township. ONLY one tree per family per address, please. If you are interested in receiving a native tree, please fill out the form at the bottom of this page and mail it to:

Hanover Township Tree Give-Away 1000 Route 10 PO Box 250 Whippany, NJ 07981-0250

Go to the Township's website at www.hanovertownship.com to download the application and then email it back as an attachment to the Township arborist at: Arborist@hanovertownship.com. Whether sent by mail or e-mail, all forms must be received at Municipal Building before 4:00 p.m., Friday, November 11th, 2016 to be eligible.

Trees can be picked up at a local designated nursery. If the resident cannot pick up the tree, then a delivery option and planting option are available. These would have to be the responsibility of the resident.

Each winner will be mailed a certificate and be required to pick up their tree from a specific local nursery before November 30°. The tree measures 4" of in height and will be in a lined container. Any tree not picked up before the end date will be forfeited and awarded to someone else. Each winning resident is responsible for picking up, properly installing and maintaining the tree. There will be no replacement of failed trees. Careful thought should be given to the location where you plant the tree. Considerations include township setbacks, easements, the presence of overhead utilities, in ground services, pavement and proximity to structures of any kind. The plants being offered are trees, not shrubs and in maturity will require space to grow; the location should be chosen with the future in mind.

TREE DESCRIPTION

River Birch – Betula nigra. River birch is a fast-growing, deciduous semi-aquatic tree that reaches between 50 and 90 feet in height. Its diamond shaped, double-toothed leaves produce an erect or spreading canopy that covers an extensive area. When young, its peeling bark is slivery gray, before changing to pink, reddish-brown or black when mature. It produces flowers in the spring and small brown or green cones in the summer. Without pruning, it grows with several trunks.

River birch grows under full sun to full shade in highly acidic to slightly alkaline loam, clay or sand. Though somewhat drought-tolerant, it grows best in moist soil and tolerates wet soil. Unlike other birch trees, this cultivar is resistant to bronze birch borer. Its leaves turn bright yellow in autumn; in the winter, its showy sliver trunk adds beauty to the landscape.

Energy Efficiency



Facsimile

(203) 857-0200 (203) 852-0741

August 25, 2009

Local Government Energy Program Energy audit report

The Parks and Recreation Garage Township of Hanover Whippany, NJ 07981

Project Number: LGEA14



The following tables summarize the proposed Energy Conservation Measures (ECM) and their economic

Parks and Recreation Garage, Township of Hanover SWA, Inc. - Local Government Energy Audit Report Page 1/2

PROPOSED													
		Installed Cost		1st year energy savings							Lifetime		Annual
ECM #	ECM description	Estimate \$	Source	Use	Unit	Demand	Unit	Savings / year \$	SPP	LoM	Cost Savings \$	ROI %	Carbon Reduced (lbs of CO2)
1	install programmable thermostats for work spaces	\$3,750	RS Means, Lit Search, Similar Projects	7,469	kWh	31.2	kW	1,301	2.9	12	12,799	20.1	10,232
2.1	replace 1 incandescent lamps to CFL	\$20	RS Means, Lit Search	36	kWh	0.2	kW	6	3.2	7	39	13.4	49
22	install 7 occupancy sensors with INCENTIVES (incl. 67% labor)	\$630	RS Means, Lit Search, NJ Clean Energy Program	276	kWh	1.2	kW	48	13.1	20	701	0.6	378
	Total Proposed	\$4,400		7,781	kWh	32	kW	1,356	3.2	13	14,342	17.2	10,660

Definitions:

SPP - Simple Payback (years) LoM: Life of Measure (years) ROI: Return on Investment (%)

Discount Rate: 3.2% per DOE FEMP Guidelines Energy Price Escalation Rate: 0% per DOE FEMP Guidelines

	CONSIDERED												
ECM #	ECM description	Installed Cost		1st year energy savings							Lifetime		Annual Carbon
		Estimate \$	Source	Use	Unit	Demand	Unit	Savings / year \$	SPP	LoM	Cost Savings \$	ROL %	Reduced (Ibs of CO2)
2.3	replace bldg, internal lights: T12s to T8s with INCENTIVES (incl. 75% labor)	\$3,700	RS Means, Lit Search, NJ Clean Energy Program	378	kWh	1.6	kW	66	56.3	20	961	-3.7	518

Parks and Recreation Garage, Township of Hanover SWA, Inc. - Local Government Energy Audit Report

The Benefits

- Prestige
- Saving Dollars
- Keep property taxes down
- Keep property values high
- PR EDAC
- Help sustain the quality of the community for the long term



Recap Going For Silver

- Municipal Subject Matter Expertise
- Coach
- Look For Categories with point potential
- Green Team comfortable with technology



Summarizing Results of the Silver Certified Town Questionnaire



Timeframe & Champion

- Following their initial certification, the decision to apply for silver certification ranged from 6 months before the June submission deadline, to five years
- The timeframe to complete all the work necessary ranged from 6 months to 3 years
- Most towns had a motivated green team leader/members and mayors that were supportive of attaining silver certification. Some towns also utilize consultants
- Number of people working on the team ranged from 3 to 15, with varying ratios of municipal staff to volunteer members

Participants

- Administrator
- Arts Commission
- Business Association
- Clerk
- Community
- Council
- Creative Team
- DPW
- Economic Development
 Committee

- Engineering
- Environmental Commission
- Finance
- Garden Club
- Green Team Lead
- Health & Human Services
- High-Ranking Employees

GREEN indicates groups utilized by more than one municipality



Participants

- Historic Preservation Society
- Human Resource Department
- Manager
- Mayor
- Municipal Employees
- Non-Profit Organizations
- Office of Emergency Management
- Planning Board

- Police
- Public Information Officer
- Purchasing
- Recreation
- Schools
- Sewage
- Shade Tree Commission
- Treasurer

GREEN indicates groups utilized by more than one municipality

Takeaway: Successful silver certification is attained by reaching out to everyone in your municipal government, school, and community



Maintaining Momentum

- Towns maintained momentum by:
 - Building off the "high" of attaining bronze certification and to pursuing more than "certification" initiatives
 - Outlining to officials & other team members exactly what had to be done
 - Creating mutually beneficial working relationship between town and sustainability goals
 - Providing timelines for deliverables

Maintaining Momentum

- Towns maintained momentum by:
 - Remaining "low key" but encouraging so as not to overwhelm volunteers
 - "Lead by example" green team lead picked up for those that became overwhelmed
 - PRAISING the work done by volunteers





Action Strategy

- Identify actions approved from bronze certification & those with which you're already involved; use the Master Action Tracking Spreadsheet and assign actions to green team members
- Identify actions with a long shelf life
- Pursue actions in which the town was interested
- Identify actions for which people had a passion



Action Strategy

- Identify actions that would create a positive image of the town and have a positive impact and/or identify those that directly benefit a sector of the community
- Reach out to organizations in town and suggest actions on which they might be interested in working
- Engage the help of interns





Popular Actions

- Community Education & Outreach
- Community Forestry Actions
- Community Garden
- Farmers Market
- Green Fair
- Green Business Recognition Program
- Innovation
- Prescription Drug
- Recycling Depot
- Water Conservation Education



Essential Resources

Internal Resources

- Support of Township Committee and Mayors
- Guidance from Administrators, council, commission members, and the recreation and parks department
- Continued interest by council in how the project was progressing
- Good record keeping by municipal departments

External Resources

- Jacques Cousteau National Estuarine Reserve
- Greater Mercer Transportation Association (and other TMAs)
- Post-Sandy Planning Grant Program at NJDCA
- Safe Routes to School



Sustainable Jersey Resources

- Atlantic-Cape May Regional Hub
- Mercer County Sustainability Coalition
 - Collaboration on Hold Green Fair & Green your Green Fair
- Sustainable Jersey Small Grants





Challenges

Time

- Understanding requirements for each action submission, follow up research, collecting documentation.
- Spending time on actions that do not get completed.
- Solution: Plan ahead and build in time for resolutions and ordinances to be passed.

Satisfactory Documentation

• **Solution:** Make sure to read action requirements carefully and call Sustainable Jersey if you have questions about the validity of a piece of documentation

Access to Documentation

• **Solution:** Institutionalize a process with the municipality for gaining access to the documentation needed

Engaging the Community with the Green Team

 Solution: Publicize the work of the green team as much as possible through municipal communications and social media; solicit those with a common interest to work toward your goals

Challenges

Lack of Record Keeping

• Solution: Identify senior municipal officials and those with knowledge about the past

Recognition of Accomplishments

• Solution: Invite all town groups to green team meetings; maintain transparency

Unsupportive High Ranking Officials & Community Members

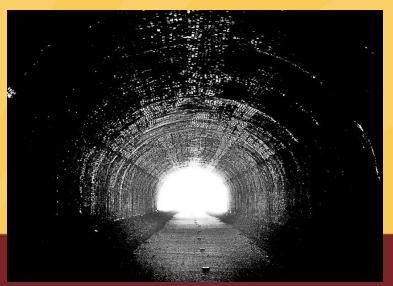
• **Solution:** Perseverance & have those on your side make a strong argument, highlight the benefits





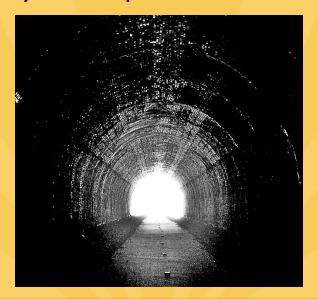
Tips for Towns

- Look at the shelf life of your approved actions and resubmission requirements
- Take it one action at a time
- Utilize interns to help with collecting and uploading documentation
- Plan ahead for documentation collection
- Tap into the knowledge of senior township officials
- See the light at the end of the tunnel



Tips for Towns

- Tap into the knowledge of senior township officials
- See the light at the end of the tunnel
 - Enjoy the process, learn, enjoy people you meet, give credit to volunteers, doors will open if you are patient





Benefits to Being Silver Certified

- Prestige, pride, recognition for being a sustainable community
- Greater sway with government leaders
- Green team leader recognition by the town
- Establishing the Green Team by ordinance
- Saving thousands of dollars on energy costs
- Priority access to Sustainable Jersey Small Grant Program and ability to apply for other grants





Takeaways

Maximize action point potential

Establish a reasonable timeframe

Solicit government, school & community member participation

Demonstrate progress to key officials

PRAISE volunteers along the way

See the light at the end of the tunnel



Remember to reach out to Sustainable Jersey for assistance!





Certification Application Deadline

Sunday, June 4 at 11:59pm

2017 Certification Cycle Timeline	
June 4	 Initial Application Deadline Indicate all actions you plan to complete for credit by marking "Completed"
Early-July	First round review comments provided
September 10**	Revision deadline to be eligible for recognition at the 2017 Sustainable Jersey Luncheon during the NJLM Conference
Mid-October	Second round review comments provided
November 19	FINAL application deadline
Mid- December	Final decision on pending applications

Questions? Contact Us!

Samantha McGraw
609-771-2938
info@sustainablejersey.com



Stay In the Game! Strategize your Recertification

Wednesday, February 15, 2017 - 1:00 PM - 2:00 PM

REGISTER

Now is the time to start planning for recertification!

This webinar will provide helpful information to help you avoid a lapse and/or maintain your certification including:

- An overview of the certification cycle for the year
- An update on new and existing action including a change to non-expiring actions, and an explanation of variable point actions
- Suggestions to prevent leaving actions "on the table"
- Accessing and using your online application
- Why actions are not approved

If you have questions that you would like us to answer during the webinar, please email them to fatton@tcnj.edu

Get Your Smokey On and Tune In to Learn How to Prepare for a Wildfire Emergency

Thursday, February 16, 2017 – 1:00 PM - 2:00 PM

REGISTER

If you would like to engage your fire department, office of emergency management or police department in your community's Sustainable Jersey program work, this webinar will help your municipality to understand the suite of Emergency Preparedness Wildfire Actions that include: Firewise Community; Ready, Set, Go; Community Wildfire Protection Plans, and Creating a Wildfire Safety Council. These actions provide a road map for addressing the issue of managing the increasing risk of forest fire in our communities as climate change impacts the forest resources.

Speakers from Sustainable Jersey staff, NJ Department of Environmental Protection – State Forest Service, NJ Fire Safety Council and Barnegat Fire Company will be on hand to help municipalities to understand their role, where to find technical assistance and funding to complete these actions.

Making a Game Plan for Getting Certified

Wednesday, February 22, 2017 - 1:00 PM - 2:00 PM

REGISTER

This webinar will share proven strategies and tools to help map out a path to certification within six to twelve months.

Learn how to:

- Mobilize your green team
- Navigate the Sustainable Jersey website
- Select "start-up" actions
- Get assistance completing actions from non-profits and other groups
- Track your progress and more!



Coding for Community

In-Person Workshop at NJIT

Friday, January 27, 2017 - 9:00 AM - 4:00 PM

REGISTER

Coding for Community (CfC) is the first of its kind, state-wide civic tech competition in New Jersey. We're matching techies up with actual local needs from municipalities across the state so that real solutions for local sustainability and public engagement issues can be developed through data and other technologies.

The competition kicks off with an all day event on Jan 27th in Newark where potential tech solutions to local issues will be ideated and teams will form (program agenda below). Teams will have the choice of choosing from a curated list of municipal need statements and related data or working directly with a municipality to address its need, and winning up to \$8,000 and other prizes! For more information, visit: http://www.sustainablejersey.com/events-trainings/calendar/



What You Need to Know about Changes to the Energy Actions

Wednesday, March 1, 2017 – 1:00 PM - 2:00 PM

REGISTER

This webinar will help municipalities understand the changes to the suite of energy actions in the Sustainable Jersey program for the 2017 cycle. Learn about changes to existing actions as well as about new actions which have been added to the program.

Find out how to maximize your points, and make strides to reduce greenhouse gas emissions and save money!

Sustainable Jersey staff will also be available for "Technical Assistance Calls" so if your green team has questions about what is needed for certification on these actions, mark your calendars and call in. You don't need to register for the calls!

Dates for Energy Technical Assistance calls:

- March 23rd, noon 1:00 PM
- April 26th, 7:00 8:00 PM
- May 16th noon 1:00 PM



Opportunities for Assistance

NEED HELP? MENTORSHIPS AVAILABLE FOR REGISTERED TOWNS

If you're a registered town that would like to pursue certification for 2017, Sustainable Jersey is offering you the opportunity to be mentored. Winnie Fatton, Program Manager, is seeking towns that are interested in getting certified, and would like some coaching along the way. If you're interested in learning more, email fatton@tcnj.edu or call Winnie at 609-771-2855 to get started.



EDF Fellows

- Opportunity for towns in NJNG service territory
- Full-time on-site support
- Summer 2017
- Learn more about how EDF Fellows can help your town



- Sustainable Jersey Webinar Recording (August 2016)
- Lessons from the Field: EDF Climate Corps Fellows Document
 Municipal and School Progress in Sustainable Jersey



Small Grant Funding Available

The PSEG Foundation is contributing \$200,000 to support the Sustainable Jersey Small Grants Program for municipalities. Funding supports efforts to implement projects that help municipalities gain points needed for Sustainable Jersey certification and make progress toward a sustainable future. For more information, visit our website.

Application Deadline: Tuesday, February 28, 2017 at 11:59pm

